

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX051119\
 Data File : VX009517.D
 Acq On : 11 May 2019 12:01
 Operator : JC/SP
 Sample : VX0511WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBS01

Manual Integrations
 APPROVED

MMDadoda
 5/16/2019 9:16:54 AM

Quant Time: May 12 02:15:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	168583	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	267893	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	238750	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	118145	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	113932	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
35) Dibromofluoromethane	5.50	113	84563	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
50) Toluene-d8	8.71	98	336920	49.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.10%	
62) 4-Bromofluorobenzene	11.13	95	121269	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	28933	18.624	ug/l	99
3) Chloromethane	1.32	50	42730	20.147	ug/l	98
4) Vinyl Chloride	1.40	62	43196	20.886	ug/l	97
5) Bromomethane	1.64	94	26338	21.217	ug/l	98
6) Chloroethane	1.72	64	26486	19.946	ug/l	96
7) Trichlorofluoromethane	1.93	101	53238	21.177	ug/l	100
8) Diethyl Ether	2.18	74	24350	20.448	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	2.38	101	32767	20.755	ug/l	99
10) Methyl Iodide	2.51	142	34941	21.892	ug/l	100
11) Tert butyl alcohol	3.04	59	55384	103.967	ug/l	99
12) 1,1-Dichloroethene	2.37	96	33080	20.913	ug/l	96
13) Acrolein	2.29	56	42331	87.744	ug/l	100
14) Allyl chloride	2.73	41	78856	20.456	ug/l	99
15) Acrylonitrile	3.14	53	134699	103.415	ug/l	100
16) Acetone	2.44	43	130752	105.809	ug/l	98
17) Carbon Disulfide	2.57	76	92886	20.916	ug/l	99
18) Methyl Acetate	2.78	43	57284	19.492	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	127680	20.786	ug/l	99
20) Methylene Chloride	2.85	84	40714	20.348	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	36020	20.997	ug/l	98
22) Diisopropyl ether	3.85	45	155169	20.931	ug/l	98
23) Vinyl Acetate	3.81	43	687453	108.293	ug/l	98
24) 1,1-Dichloroethane	3.70	63	75295	20.589	ug/l	100
25) 2-Butanone	4.67	43	204850	106.676	ug/l	99
26) 2,2-Dichloropropane	4.58	77	55786	20.494	ug/l	100
27) cis-1,2-Dichloroethene	4.60	96	42642	20.825	ug/l	99
28) Bromochloromethane	5.01	49	29200	18.085	ug/l	99
29) Tetrahydrofuran	5.13	42	131194	106.169	ug/l	100
30) Chloroform	5.21	83	69996	21.162	ug/l	99
31) Cyclohexane	5.58	56	72772	21.388	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	58150	21.119	ug/l	98
36) 1,1-Dichloropropene	5.80	75	52048	20.906	ug/l	98
37) Ethyl Acetate	4.83	43	76684	22.107	ug/l	100
38) Carbon Tetrachloride	5.79	117	47768	21.118	ug/l	97

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Manual Integrations
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Quant Time: May 12 02:15:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 07:31:15 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	64691	21.159	ug/l	96
40) Benzene	6.14	78	163245	21.187	ug/l	100
41) Methacrylonitrile	5.04	41	42472	20.569	ug/l	99
42) 1,2-Dichloroethane	6.19	62	59784	21.631	ug/l	100
43) Isopropyl Acetate	6.44	43	116997	21.087	ug/l	99
44) Trichloroethene	7.21	130	38586	20.716	ug/l	99
45) 1,2-Dichloropropane	7.51	63	46141	21.149	ug/l	99
46) Dibromomethane	7.66	93	26197	20.678	ug/l	97
47) Bromodichloromethane	7.90	83	52611	20.818	ug/l	99
48) Methyl methacrylate	7.77	41	60341	21.921	ug/l	97
49) 1,4-Dioxane	7.74	88	23574	422.291	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	389958	107.529	ug/l	99
52) Toluene	8.78	92	99298	21.202	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	60200	21.099	ug/l	100
54) cis-1,3-Dichloropropene	8.43	75	67218	21.285	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	40306	21.094	ug/l	96
56) Ethyl methacrylate	9.18	69	72517	21.261	ug/l	99
57) 1,3-Dichloropropane	9.37	76	70679	21.020	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	175820	97.170	ug/l	100
59) 2-Hexanone	9.49	43	301947	106.012	ug/l	99
60) Dibromochloromethane	9.58	129	39111	20.958	ug/l	99
61) 1,2-Dibromoethane	9.67	107	40658	21.080	ug/l	99
64) Tetrachloroethene	9.34	164	36396	22.224	ug/l	96
65) Chlorobenzene	10.13	112	101684	21.290	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	36492	21.075	ug/l	99
67) Ethyl Benzene	10.25	91	189084	21.512	ug/l	99
68) m/p-Xylenes	10.36	106	140125	43.625	ug/l	98
69) o-Xylene	10.69	106	67925	21.433	ug/l	100
70) Styrene	10.71	104	119818	21.752	ug/l	100
71) Bromoform	10.85	173	29103	20.683	ug/l #	100
73) Isopropylbenzene	11.02	105	183177	21.321	ug/l	99
74) N-amyl acetate	10.90	43	104636	20.890	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	66019	20.613	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	58044m	21.180	ug/l	
77) Bromobenzene	11.26	156	44682	20.954	ug/l	99
78) n-propylbenzene	11.36	91	207502	21.148	ug/l	99
79) 2-Chlorotoluene	11.42	91	123181	20.349	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	153676	21.244	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	21392	19.972	ug/l	96
82) 4-Chlorotoluene	11.51	91	143814	21.030	ug/l	99
83) tert-Butylbenzene	11.77	119	148707	21.132	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	155039	21.352	ug/l	99
85) sec-Butylbenzene	11.94	105	174913	20.965	ug/l	99
86) p-Isopropyltoluene	12.06	119	159625	21.282	ug/l	99
87) 1,3-Dichlorobenzene	12.02	146	78694	20.701	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	79346	20.703	ug/l	99
89) n-Butylbenzene	12.38	91	141482	20.870	ug/l	100
90) Hexachloroethane	12.59	117	25838	20.220	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	79859	20.625	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	15276	21.262	ug/l	98

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Sample : VX0511WBS01
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Instrument :
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ClientSampleId :
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Manual Integrations
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Quant Time: May 12 02:15:00 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
Quant Title : SW846 8260
QLast Update : Thu May 09 07:31:15 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	55721	21.045	ug/l	99
94) Hexachlorobutadiene	13.78	225	28266	20.905	ug/l	98
95) Naphthalene	13.83	128	183091	21.254	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	57989	21.606	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

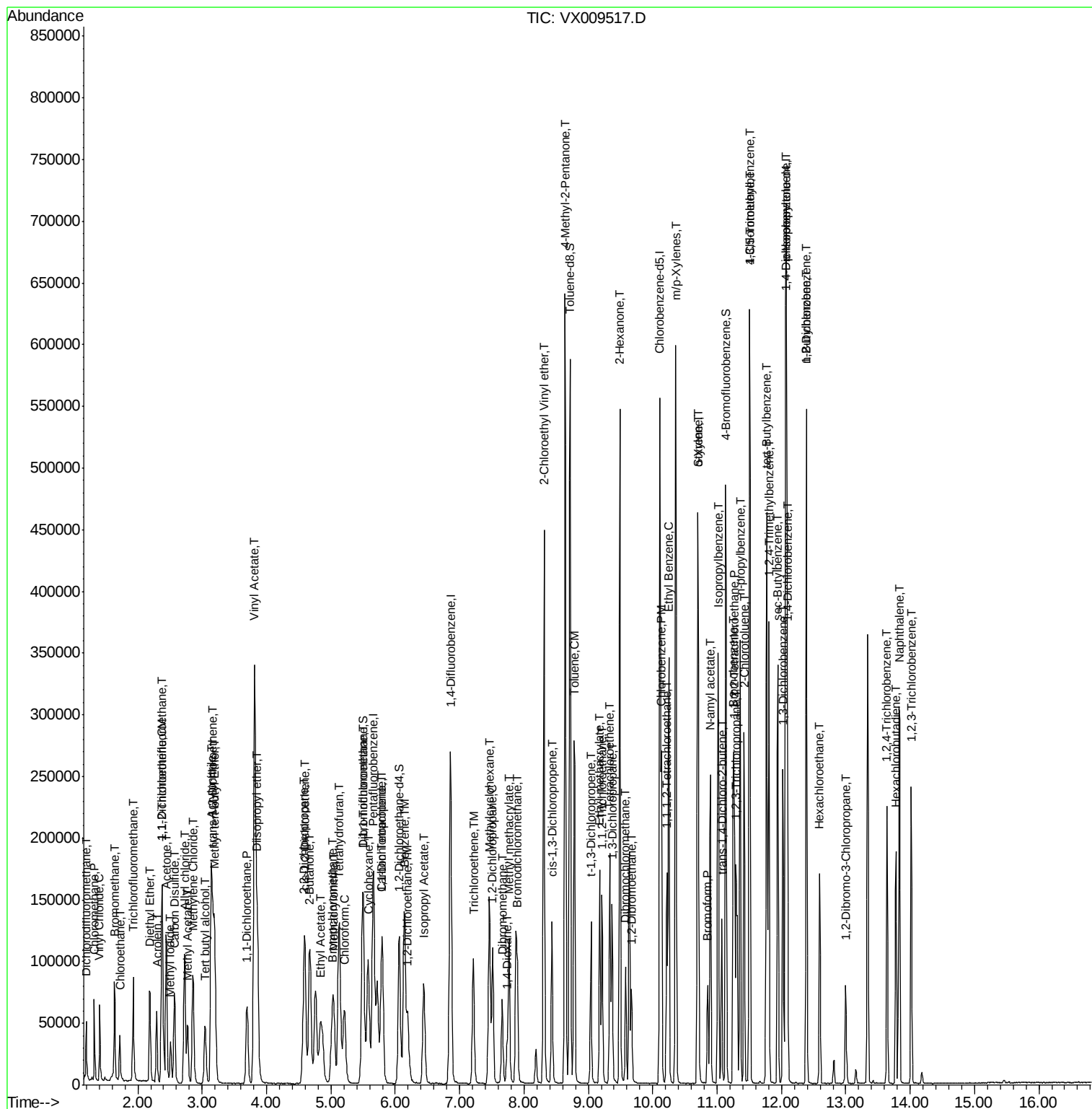
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Data File : VX009517.D
Acq On : 11 May 2019 12:01
Operator : JC/SP
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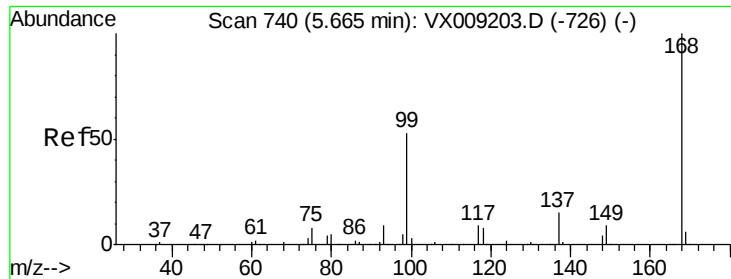
Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

Manual Integrations APPROVED

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBS01

Tgt Ion:168 Resp: 168583

Ion Ratio Lower Upper

168 100

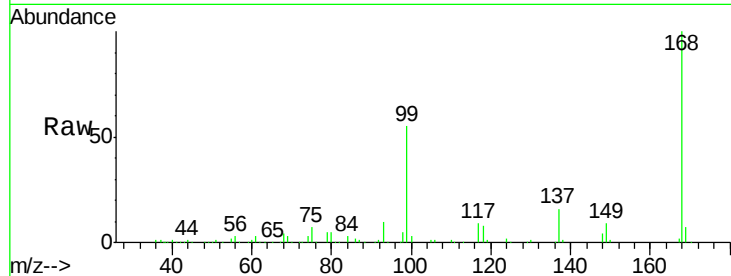
99 54.7 42.3 63.5

Manual Integrations

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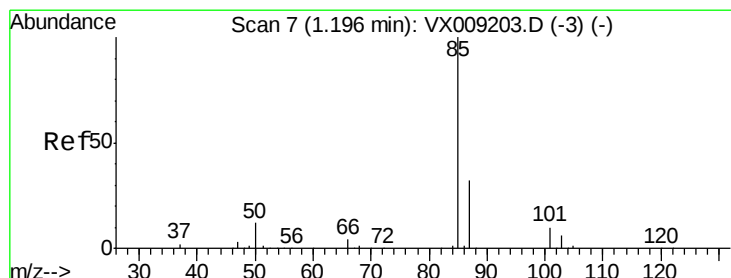
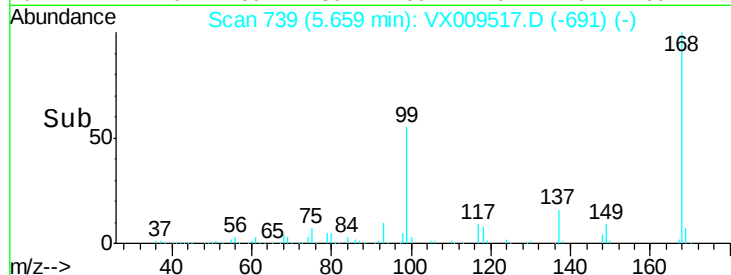
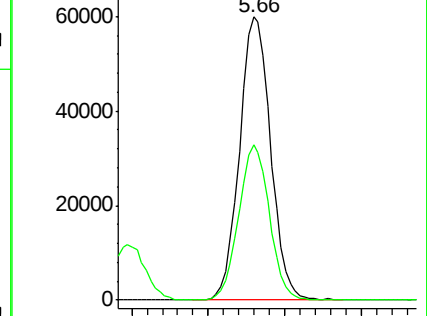
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 18.624 ug/l

RT: 1.20 min Scan# 7

Delta R.T. 0.00 min

Lab File: VX009517.D

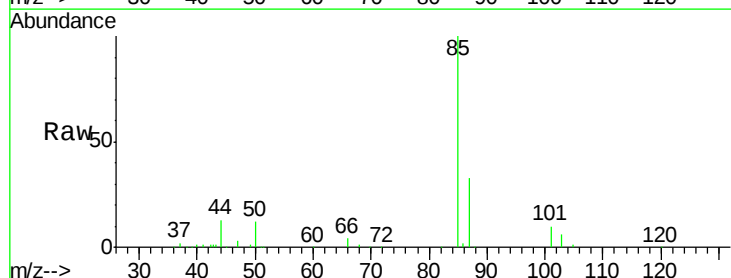
Acq: 11 May 2019 12:01

Tgt Ion: 85 Resp: 28933

Ion Ratio Lower Upper

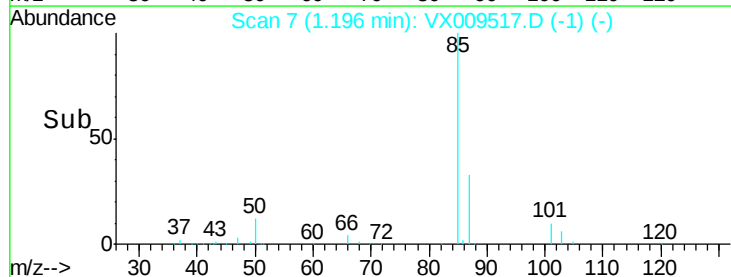
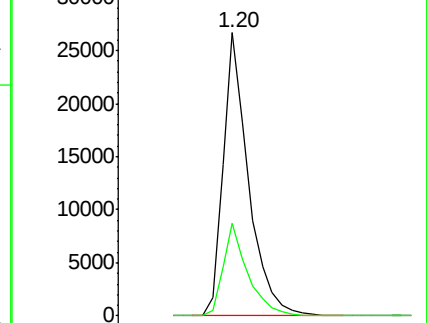
85 100

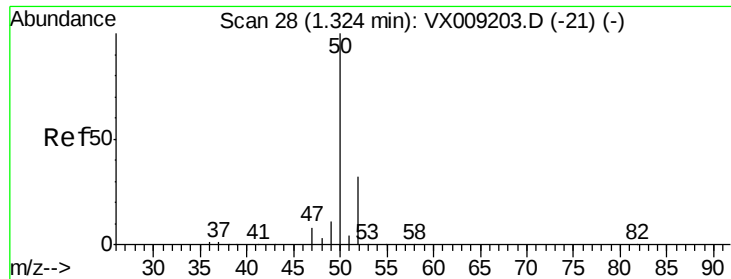
87 32.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.147 ug/l

RT: 1.32 min Scan# 28

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBS01

Tgt Ion: 50 Resp: 42730

Ion Ratio Lower Upper

50 100

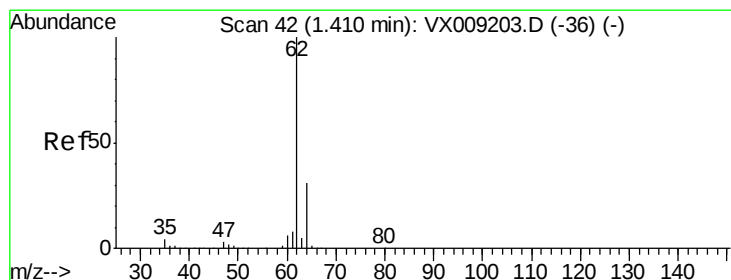
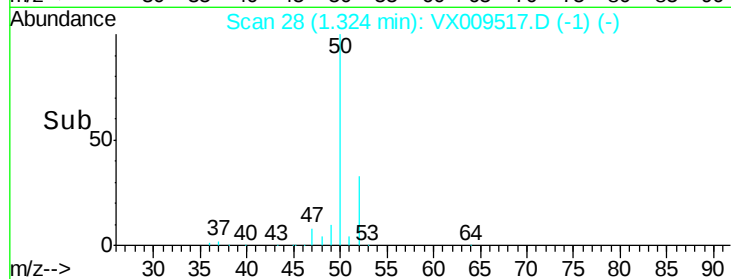
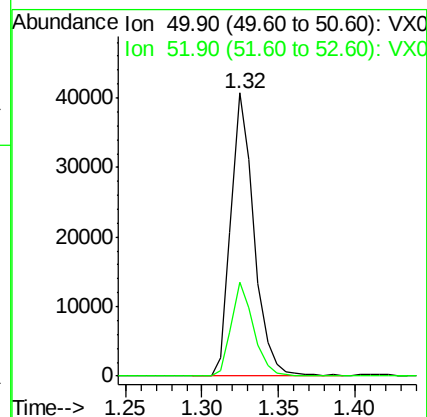
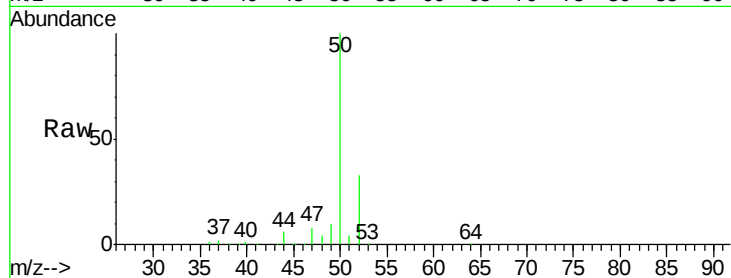
52 33.3 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.886 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009517.D

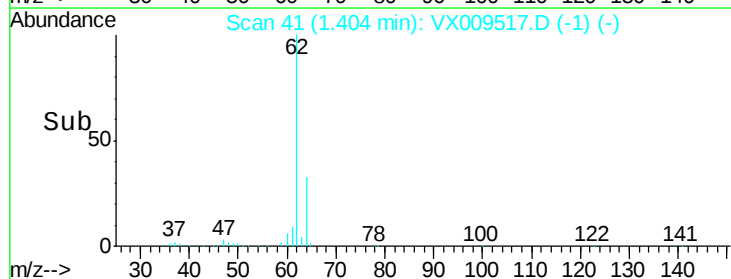
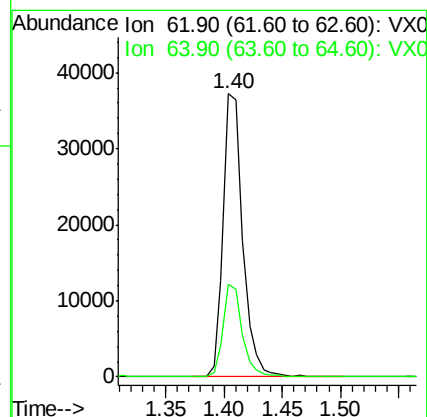
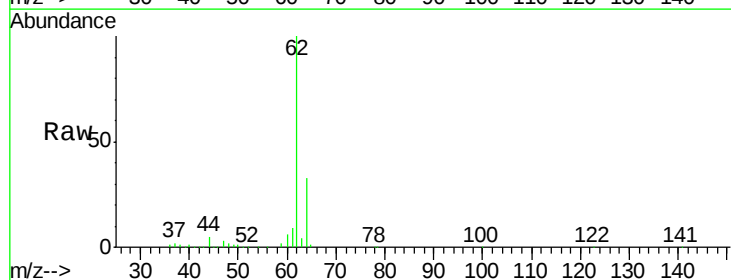
Acq: 11 May 2019 12:01

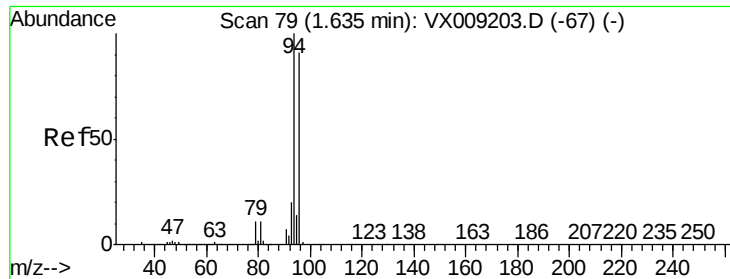
Tgt Ion: 62 Resp: 43196

Ion Ratio Lower Upper

62 100

64 32.6 24.6 36.8





#5

Bromomethane

Concen: 21.217 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBS01

Tgt Ion: 94 Resp: 26338

Ion Ratio Lower Upper

94 100

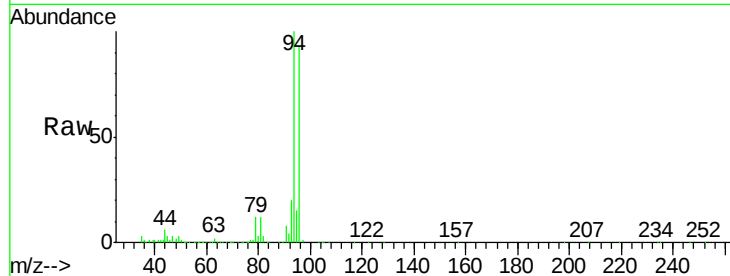
96 93.4 73.0 109.6

Manual Integrations

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5/16/2019 9:16:54 AM



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

30000

25000

20000

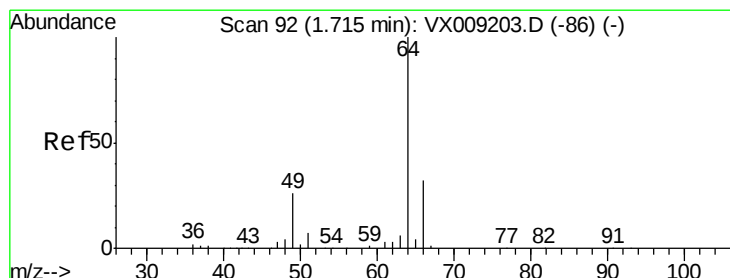
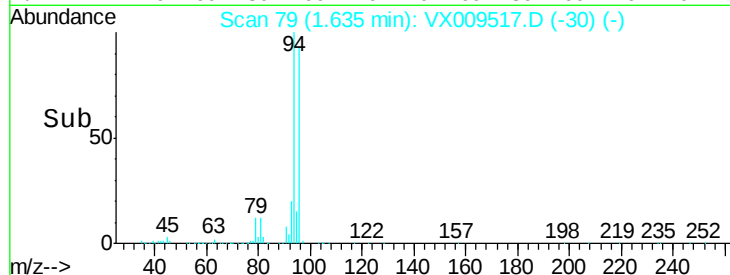
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 19.946 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009517.D

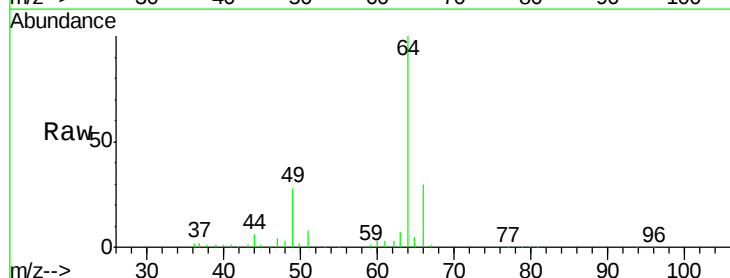
Acq: 11 May 2019 12:01

Tgt Ion: 64 Resp: 26486

Ion Ratio Lower Upper

64 100

66 29.6 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

20000

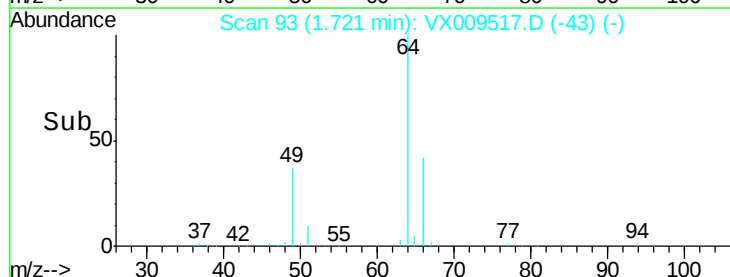
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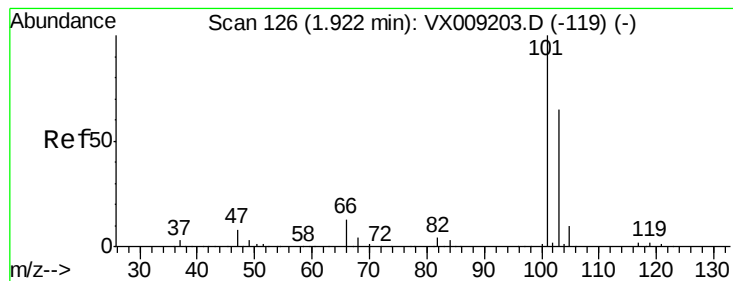
10000

5000

0

Time-->





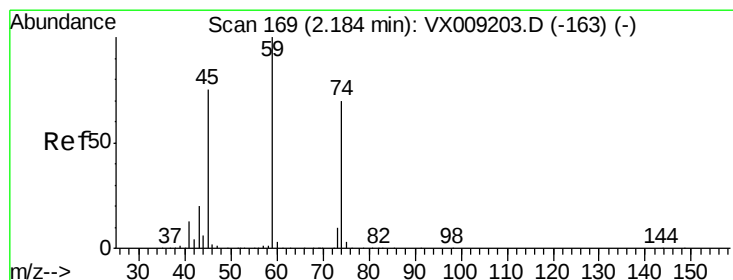
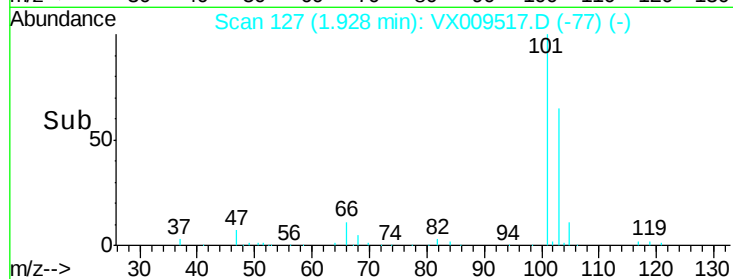
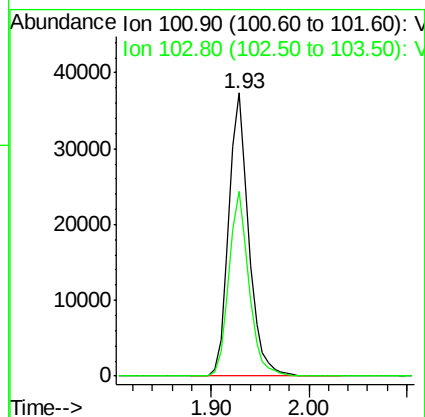
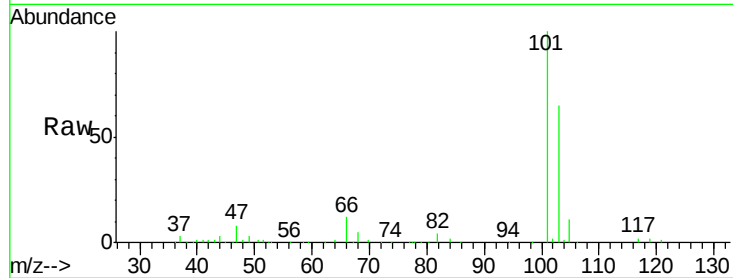
#7
 Trichlorofluoromethane
 Concen: 21.177 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBS01

Tgt Ion: 101 Resp: 53238
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.4 78.6

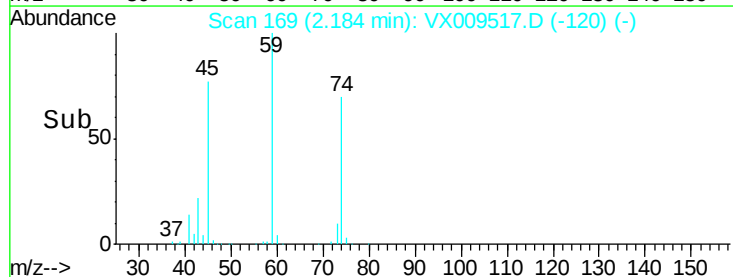
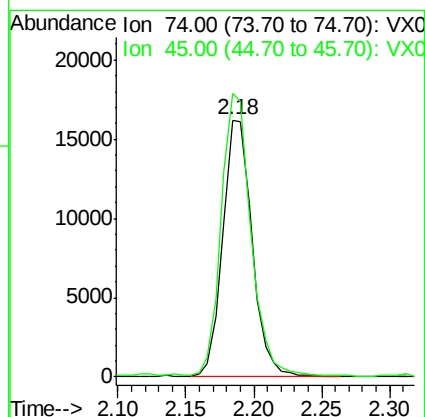
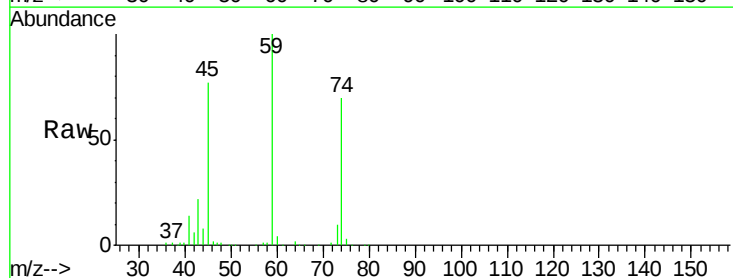
Manual Integrations
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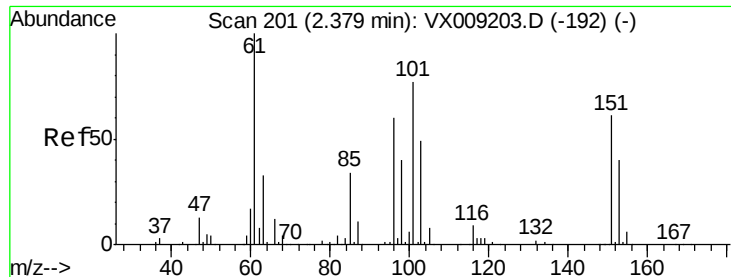
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#8
 Diethyl Ether
 Concen: 20.448 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Tgt Ion: 74 Resp: 24350
 Ion Ratio Lower Upper
 74 100
 45 113.2 53.3 159.9





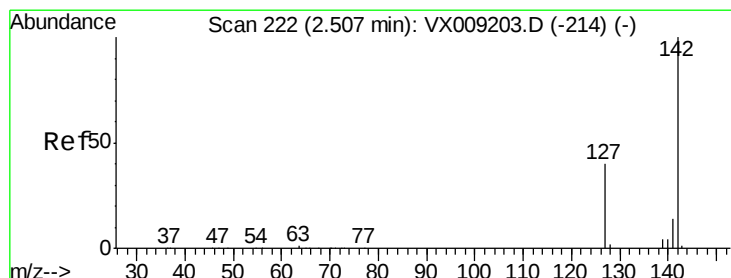
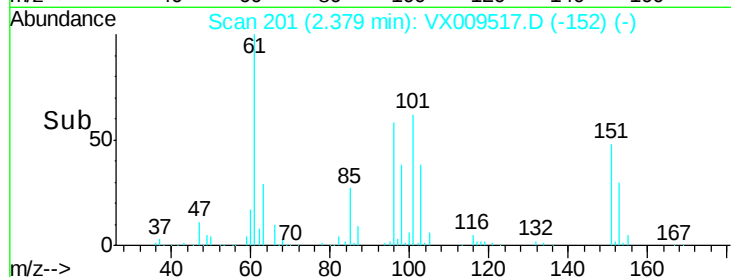
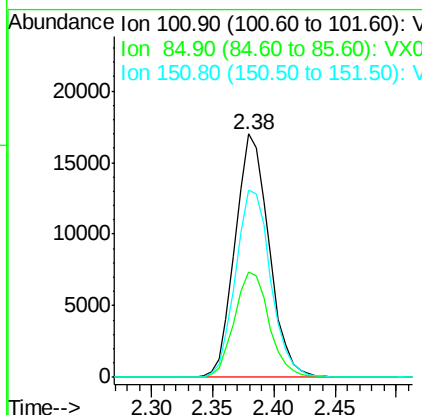
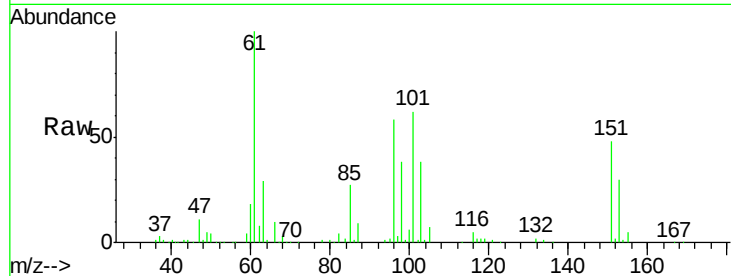
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.755 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
101	100	32767		
85	44.5	35.7	53.5	
151	79.6	62.2	93.2	

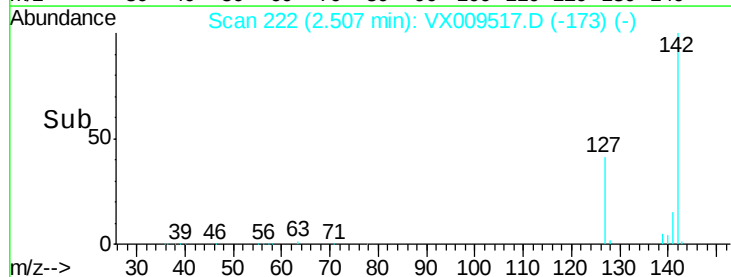
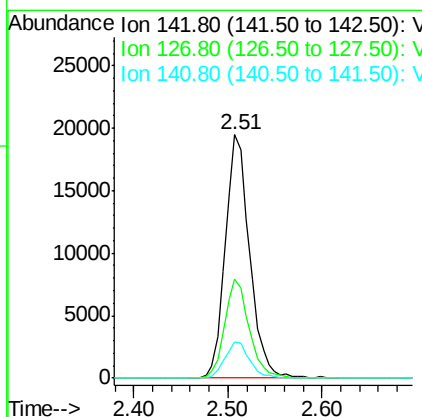
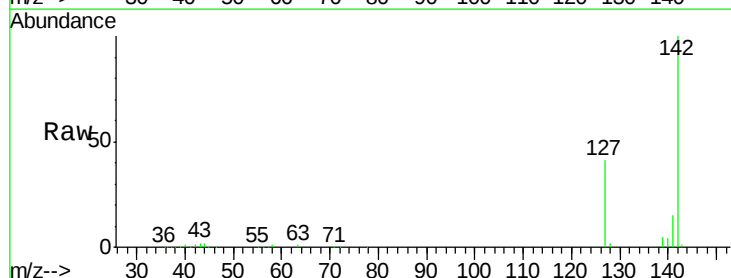
Manual Integrations
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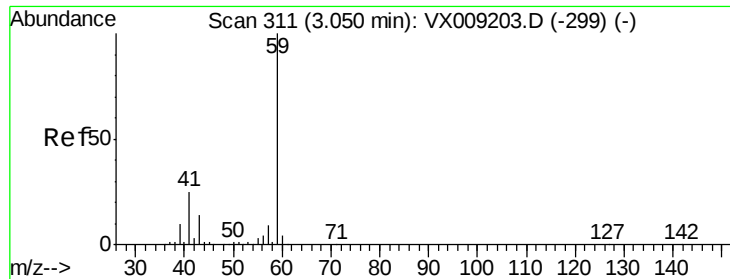
MMDadoda
5/16/2019 9:16:54 AM



#10
Methyl Iodide
Concen: 21.892 ug/l
RT: 2.51 min Scan# 222
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	34941		
127	40.8	32.7	49.1	
141	14.9	11.5	17.3	





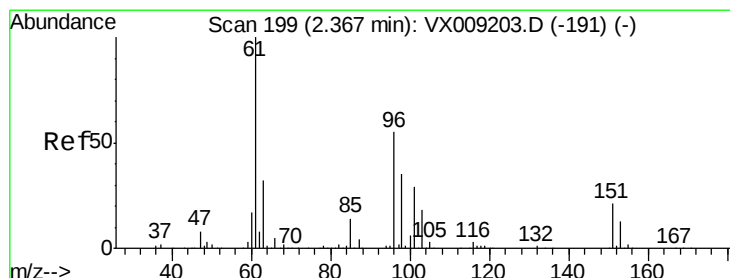
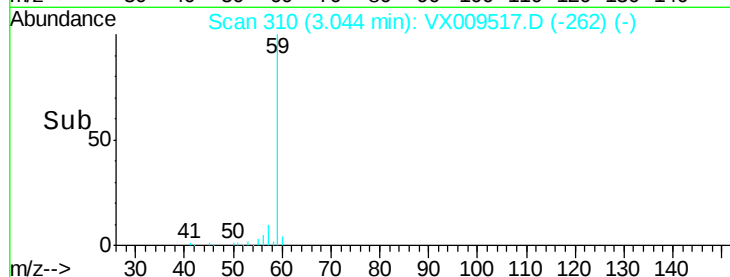
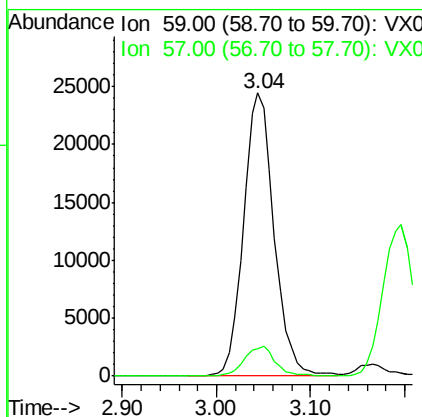
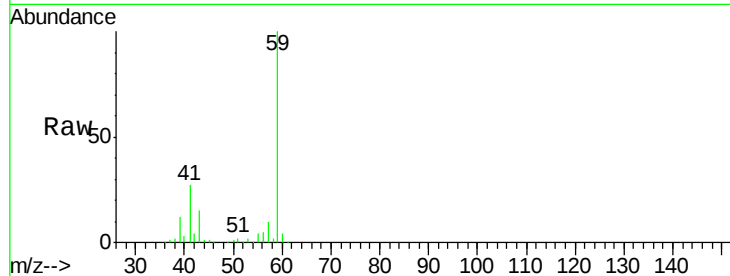
#11
Tert butyl alcohol
Concen: 103.967 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

Tgt Ion: 59 Resp: 55384
Ion Ratio Lower Upper
59 100
57 10.7 8.2 12.2

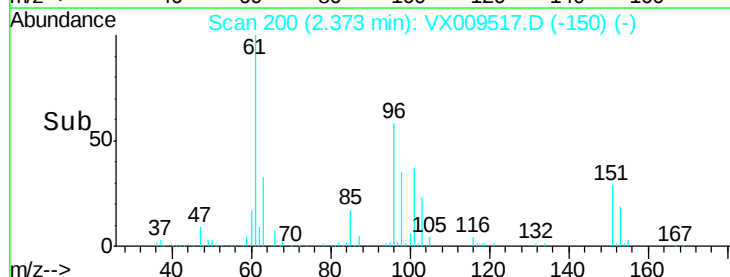
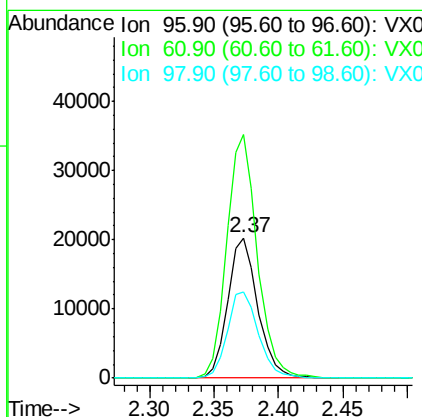
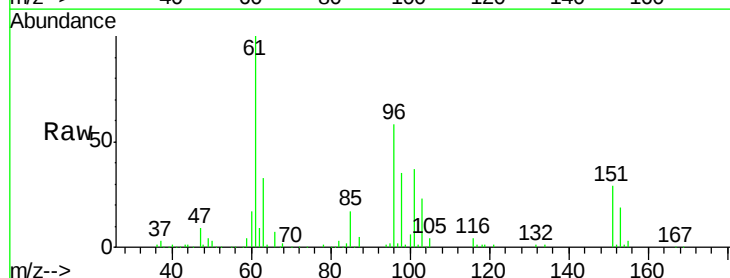
Manual Integrations
APPROVED

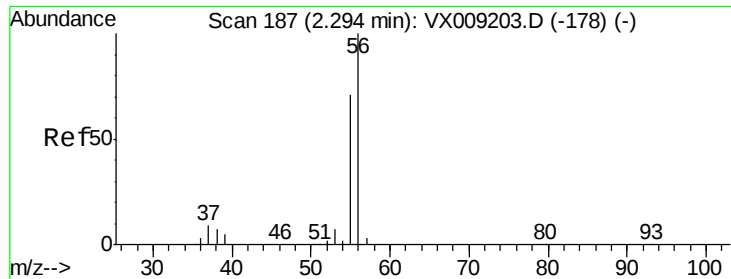
MMDadoda
5/16/2019 9:16:54 AM



#12
1,1-Dichloroethene
Concen: 20.913 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion: 96 Resp: 33080
Ion Ratio Lower Upper
96 100
61 173.8 144.3 216.5
98 61.6 50.3 75.5





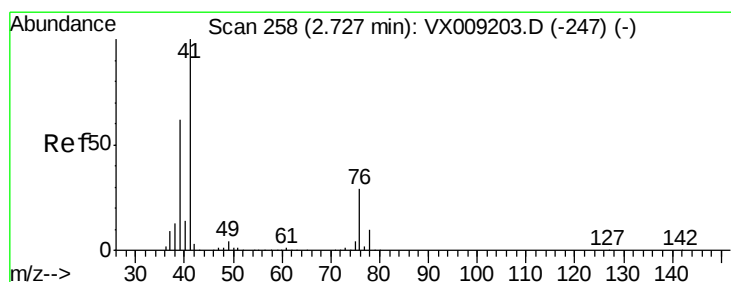
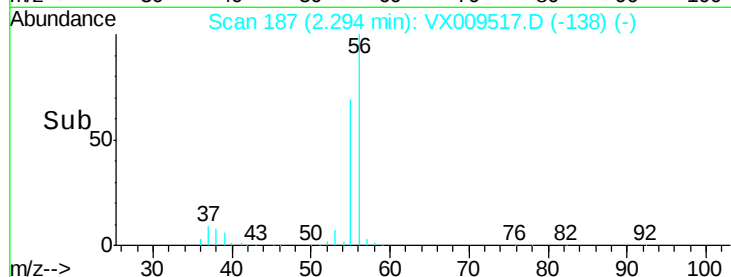
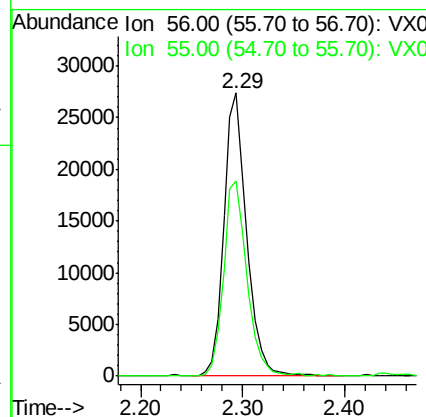
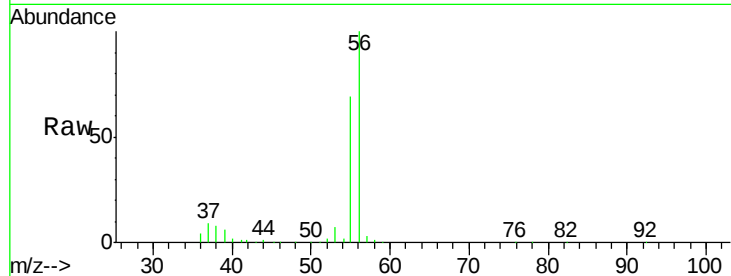
#13
 Acrolein
 Concen: 87.744 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBS01

Tgt Ion	Ratio	Lower	Upper
56	100		
55	71.1	56.6	85.0

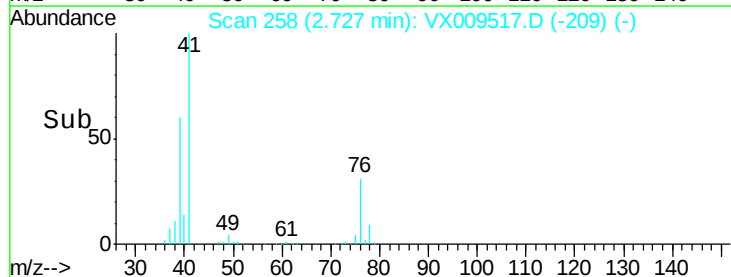
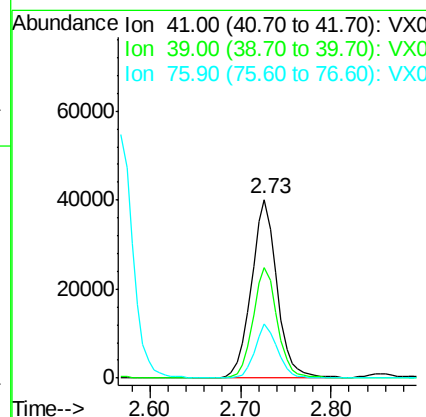
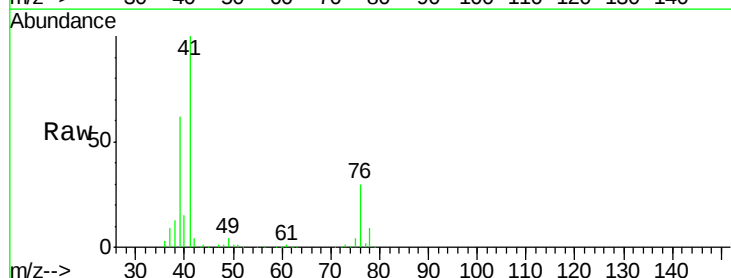
Manual Integrations
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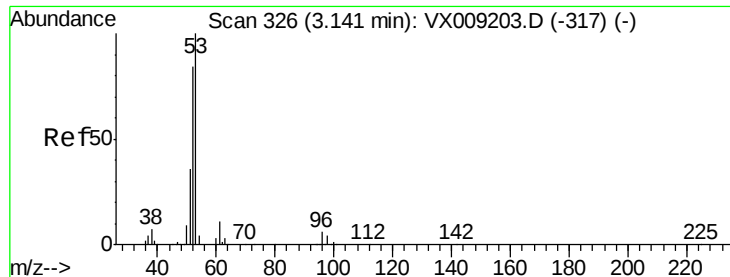
MMDadoda
 5/16/2019 9:16:54 AM



#14
 Allyl chloride
 Concen: 20.456 ug/l
 RT: 2.73 min Scan# 258
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Tgt Ion	Ratio	Lower	Upper
41	100		
39	58.0	46.7	70.1
76	26.6	21.8	32.8





#15

Acrylonitrile

Concen: 103.415 ug/l

RT: 3.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

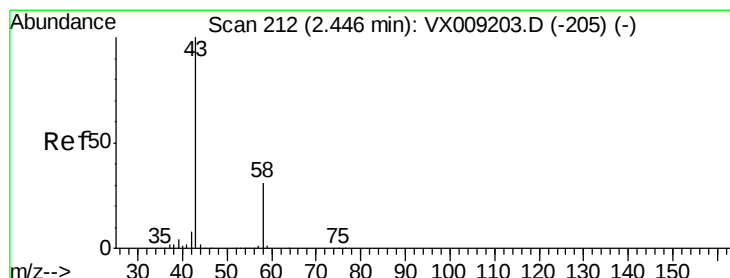
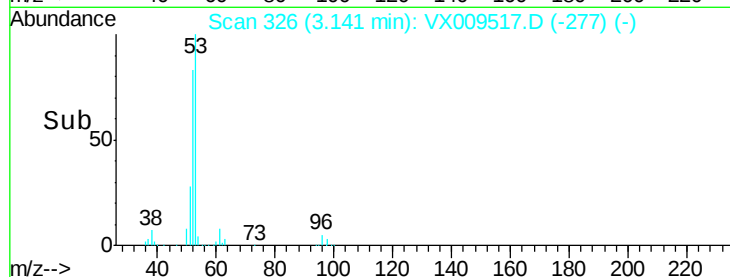
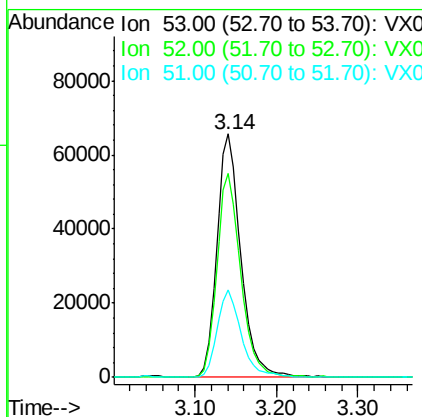
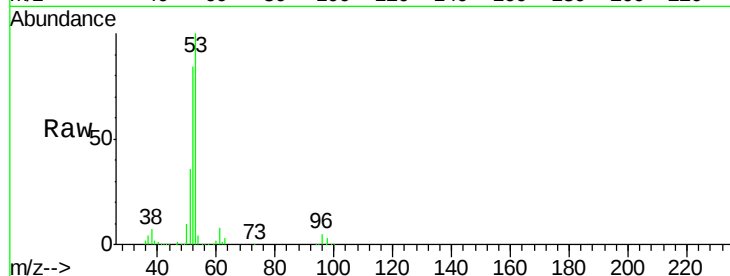
ClientSampleId :

VX0511WBS01

Tgt Ion:	53	Resp:	134699
Ion	Ratio	Lower	Upper
53	100		
52	83.3	66.9	100.3
51	35.7	28.2	42.2

Manual Integrations
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5/16/2019 9:16:54 AM



#16

Acetone

Concen: 105.809 ug/l

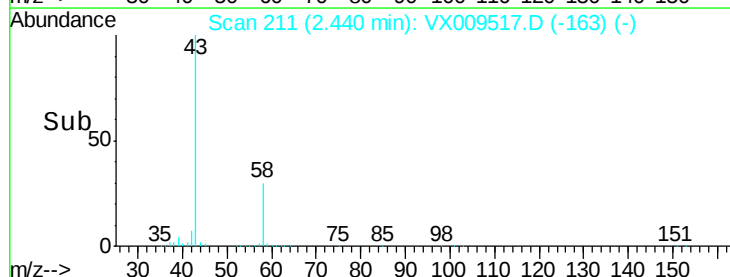
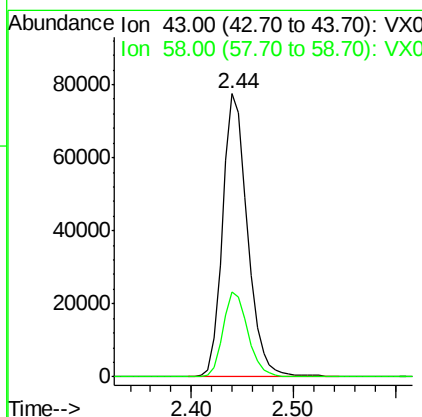
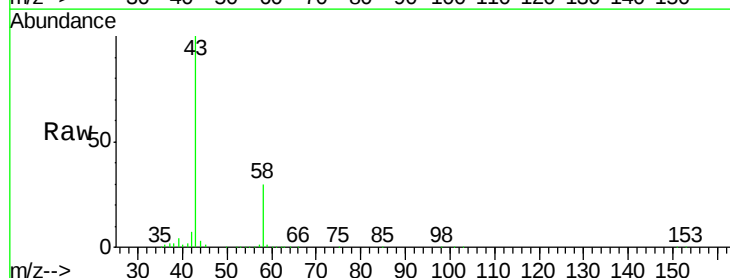
RT: 2.44 min Scan# 211

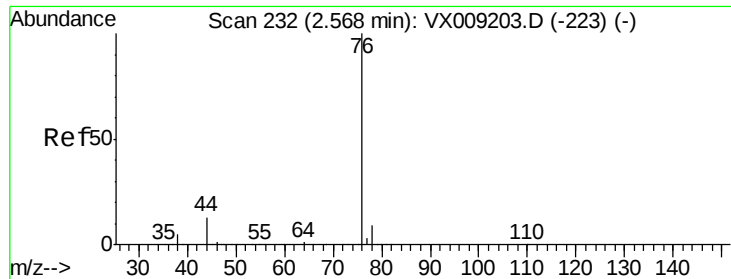
Delta R.T. -0.01 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Tgt Ion:	43	Resp:	130752
Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.9	37.3





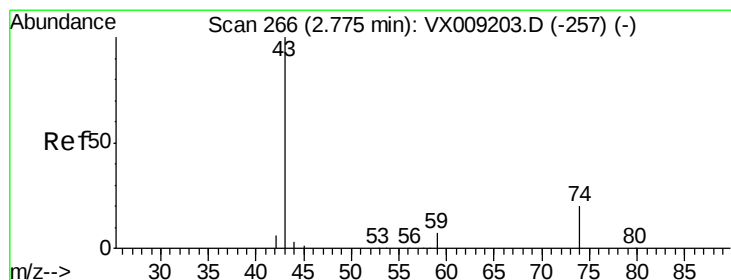
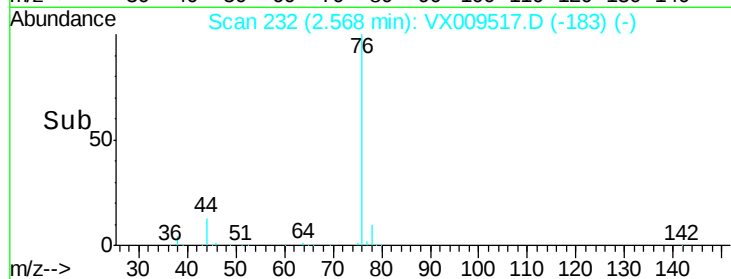
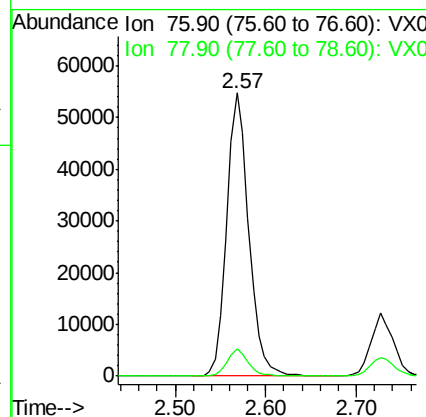
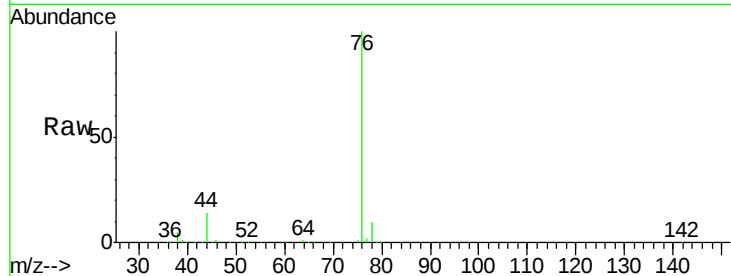
#17
Carbon Disulfide
Concen: 20.916 ug/l
RT: 2.57 min Scan# 232
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

Tgt Ion: 76 Resp: 92886
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.0

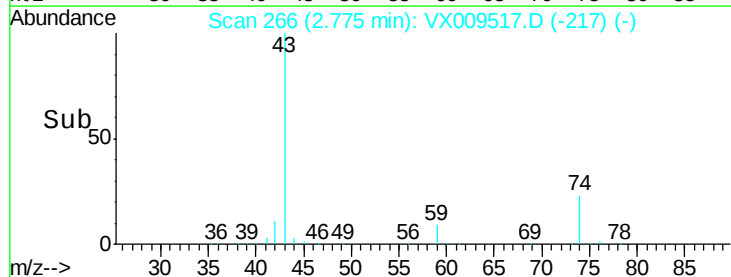
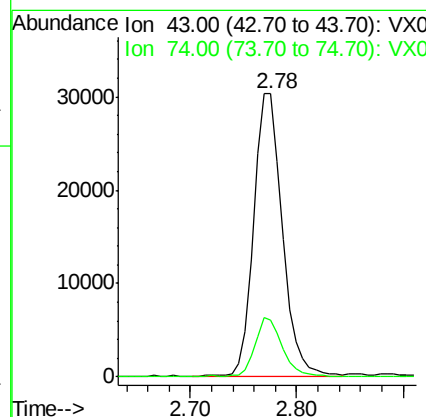
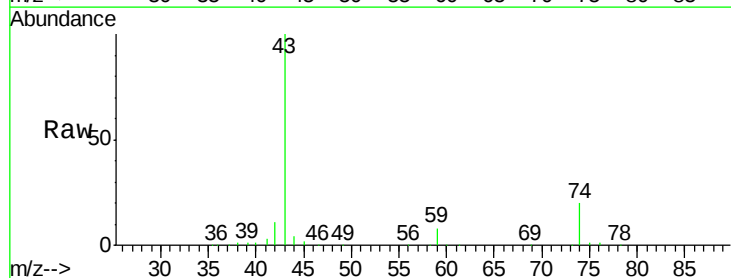
Manual Integrations
APPROVED

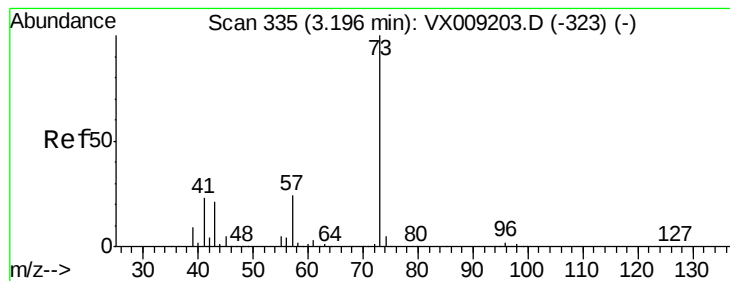
MMDadoda
5/16/2019 9:16:54 AM



#18
Methyl Acetate
Concen: 19.492 ug/l
RT: 2.78 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion: 43 Resp: 57284
Ion Ratio Lower Upper
43 100
74 20.4 16.2 24.4





#19

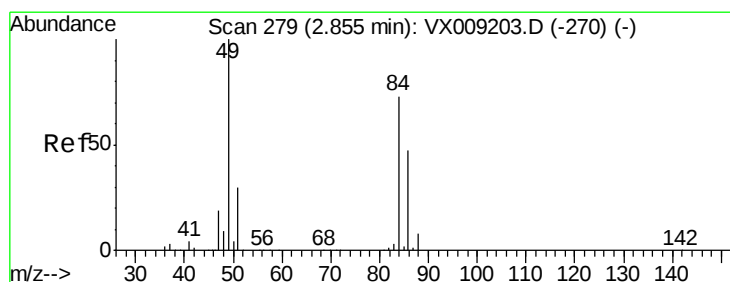
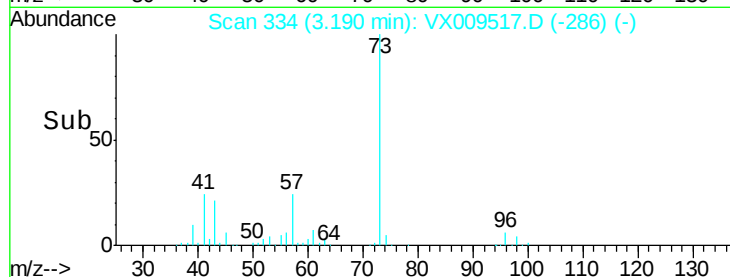
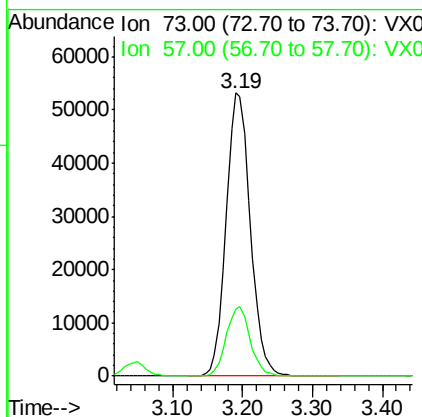
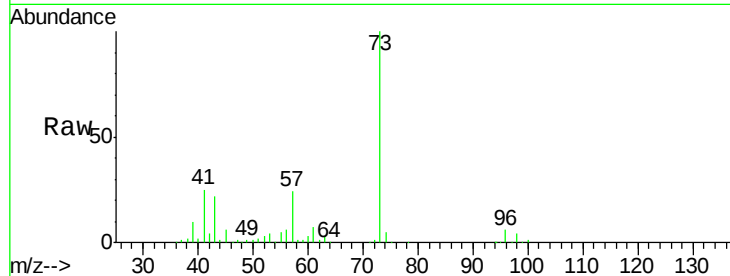
Methyl tert-butyl Ether
 Concen: 20.786 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBS01

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.3	28.9

Manual Integrations
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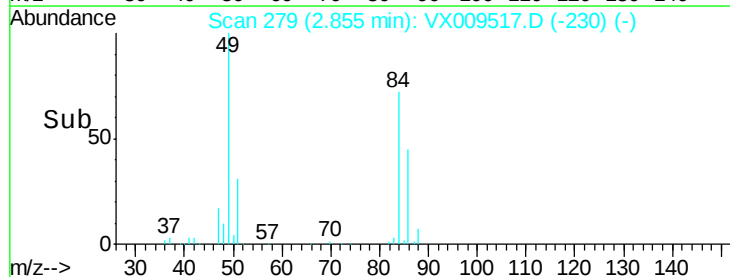
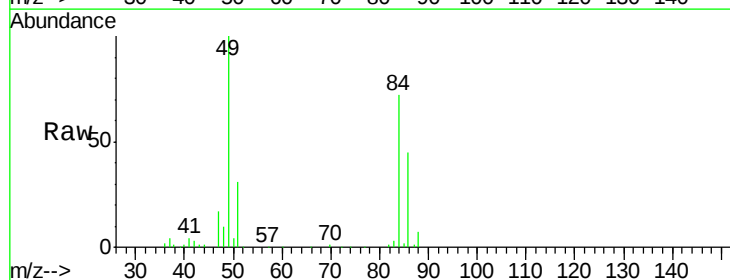
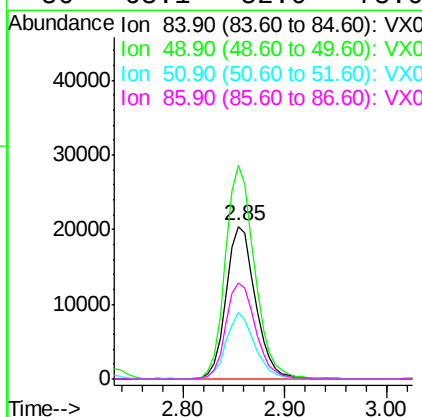
MMDadoda
 5/16/2019 9:16:54 AM

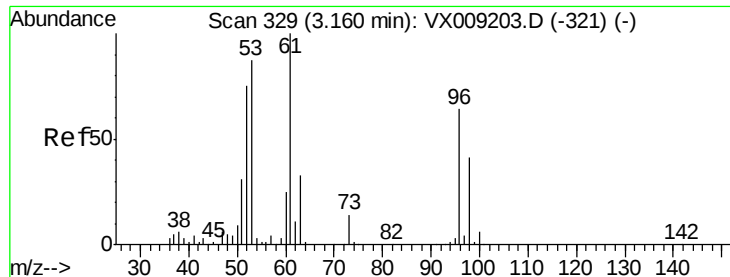


#20

Methylene Chloride
 Concen: 20.348 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	139.5	109.9	164.9
51	43.6	32.7	49.1
86	63.1	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 20.997 ug/l

RT: 3.17 min Scan# 330

Delta R.T. 0.01 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

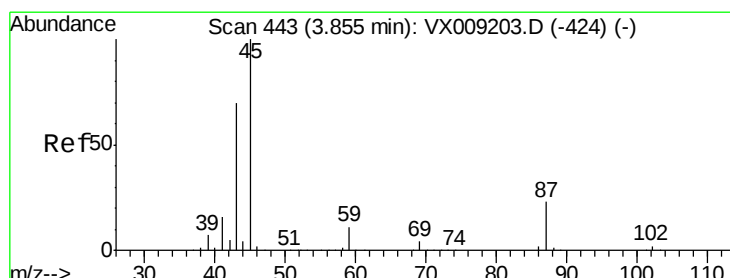
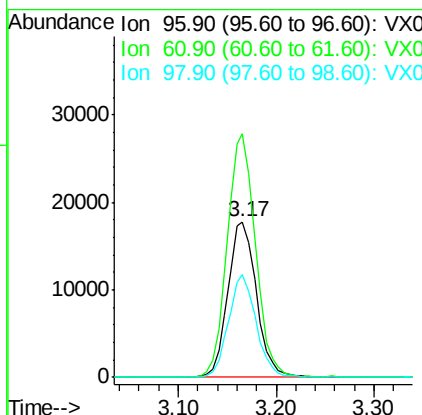
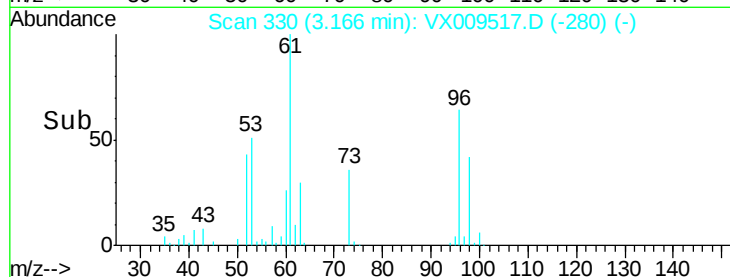
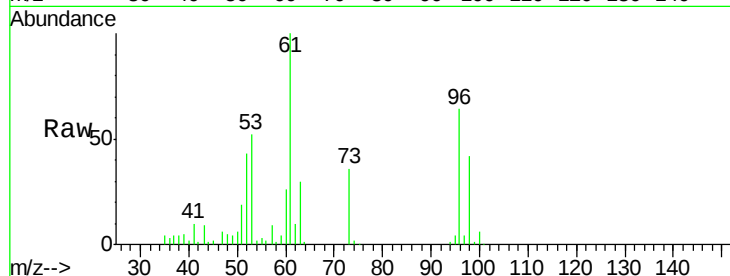
ClientSampleId :

VX0511WBS01

Tgt Ion:	96	Resp:	36020
Ion	Ratio	Lower	Upper
96	100		
61	156.4	124.5	186.7
98	66.1	50.4	75.6

Manual Integrations
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5/16/2019 9:16:54 AM



#22

Diisopropyl ether

Concen: 20.931 ug/l

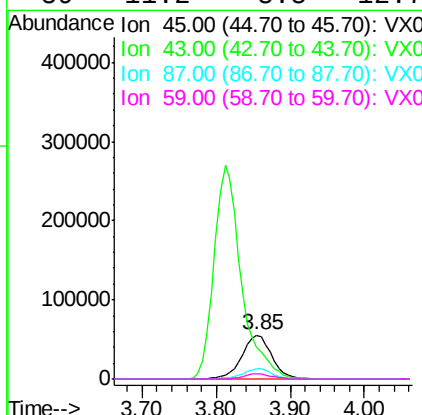
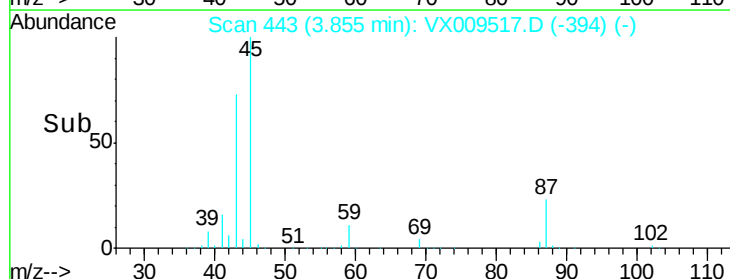
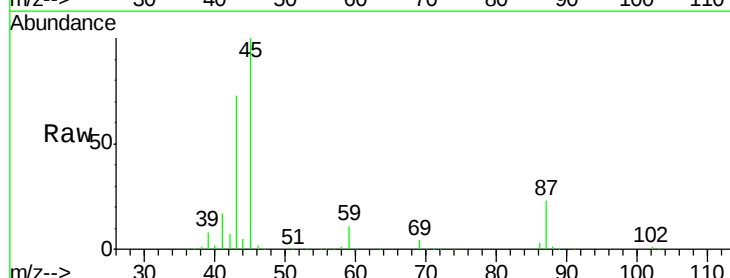
RT: 3.85 min Scan# 443

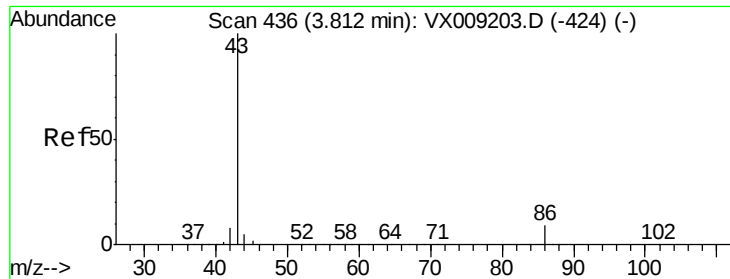
Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Tgt Ion:	45	Resp:	155169
Ion	Ratio	Lower	Upper
45	100		
43	72.6	56.1	84.1
87	22.7	18.1	27.1
59	11.2	8.5	12.7





#23

Vinyl Acetate

Concen: 108.293 ug/l

RT: 3.81 min Scan# 436

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBS01

Tgt Ion: 43 Resp: 687453

Ion Ratio Lower Upper

43 100

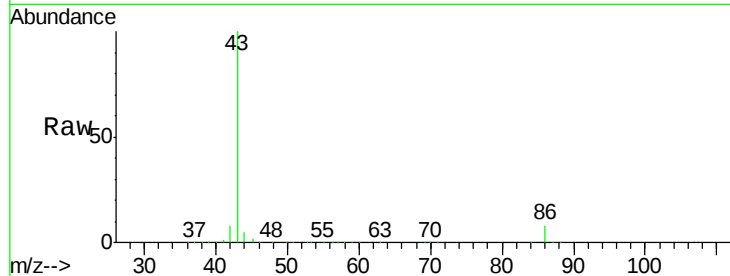
86 8.0 6.9 10.3

Manual Integrations

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5/16/2019 9:16:54 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

300000

250000

200000

150000

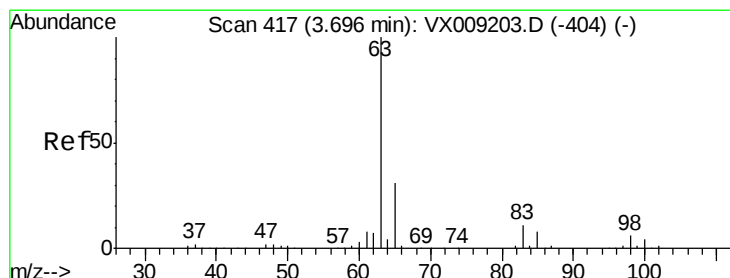
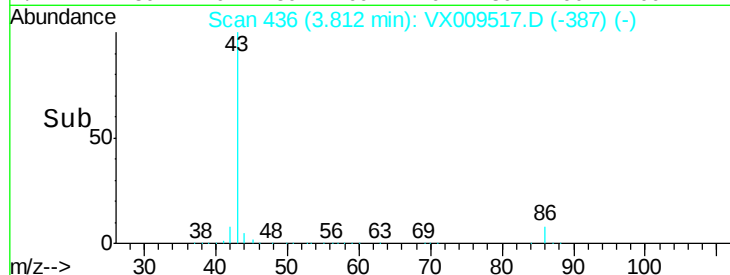
100000

50000

0

3.70 3.80 3.90 4.00

Time-->



#24

1,1-Dichloroethane

Concen: 20.589 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

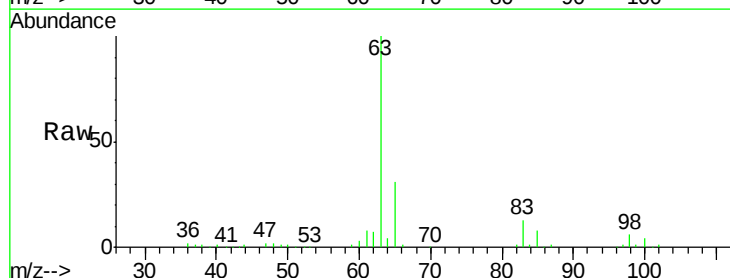
Tgt Ion: 63 Resp: 75295

Ion Ratio Lower Upper

63 100

98 6.1 3.0 9.2

100 3.9 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

40000

30000

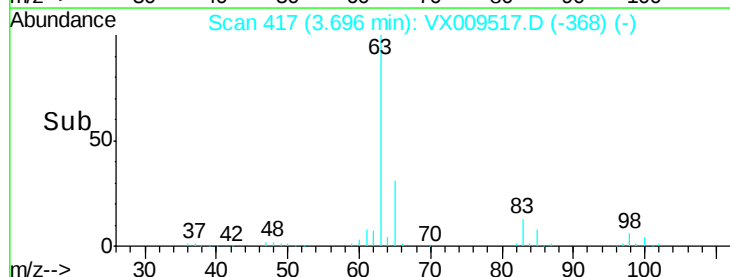
20000

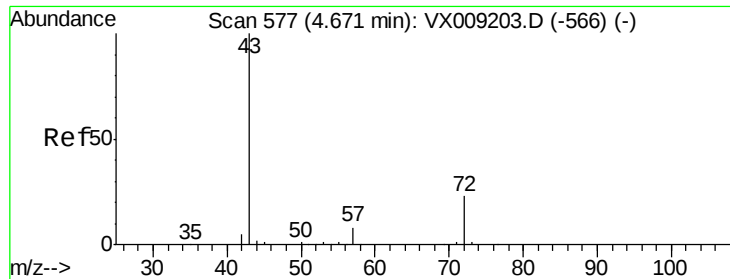
10000

0

3.60 3.70 3.80

Time-->





#25

2-Butanone

Concen: 106.676 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBS01

Tgt Ion: 43 Resp: 204850

Ion Ratio Lower Upper

43 100

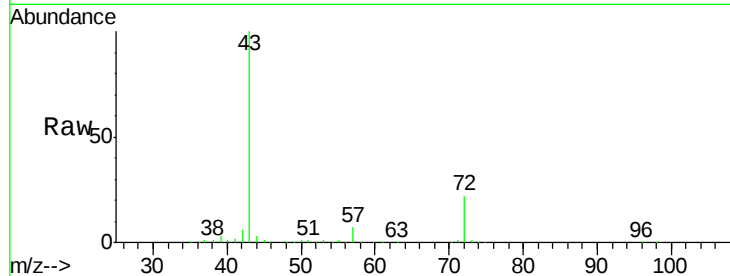
72 22.0 18.2 27.2

Manual Integrations

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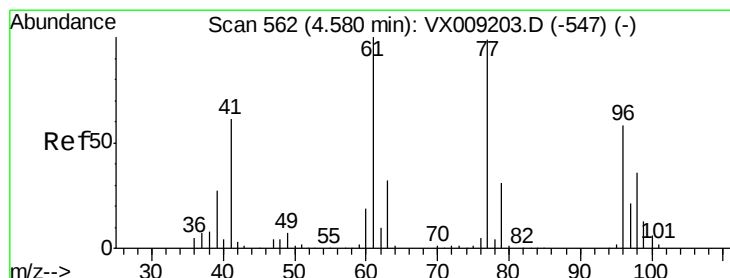
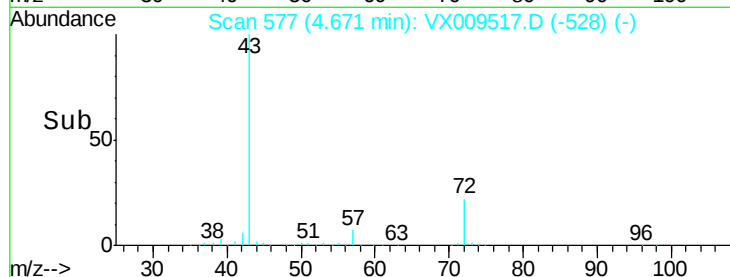
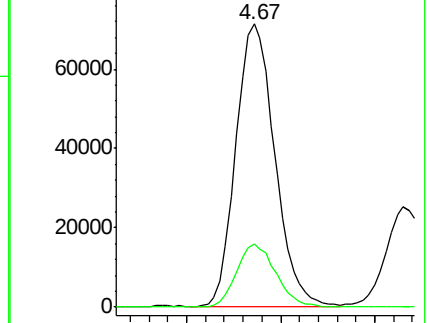
MMDadoda

5/16/2019 9:16:54 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 20.494 ug/l

RT: 4.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VX009517.D

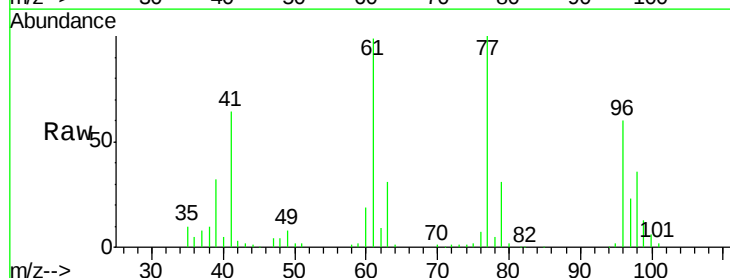
Acq: 11 May 2019 12:01

Tgt Ion: 77 Resp: 55786

Ion Ratio Lower Upper

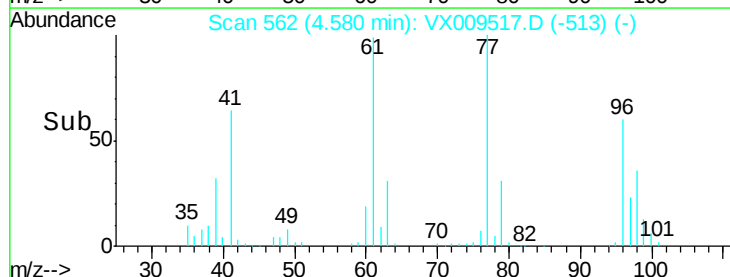
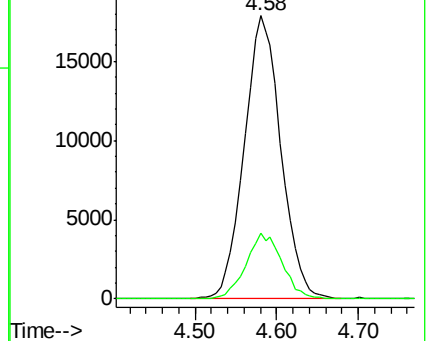
77 100

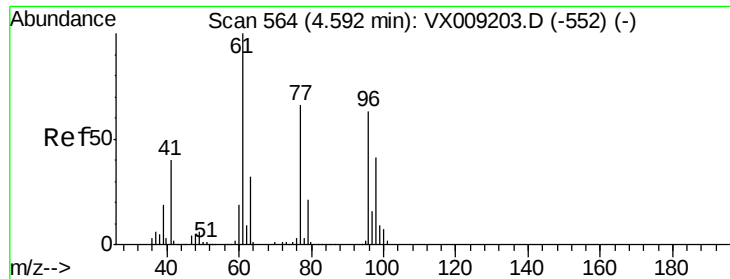
97 22.9 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

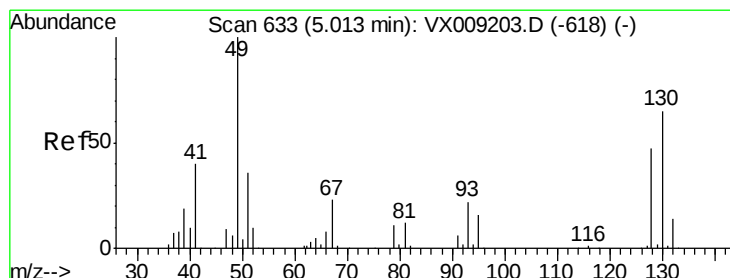
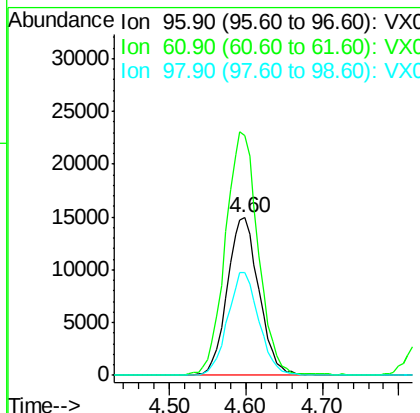
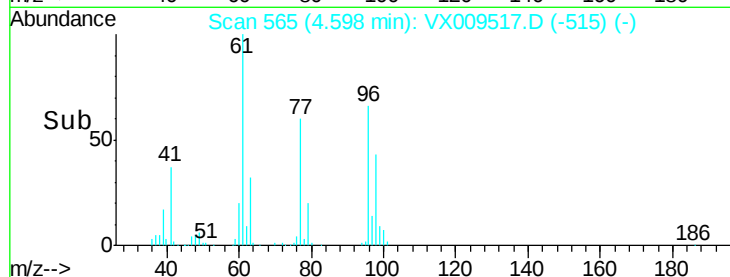
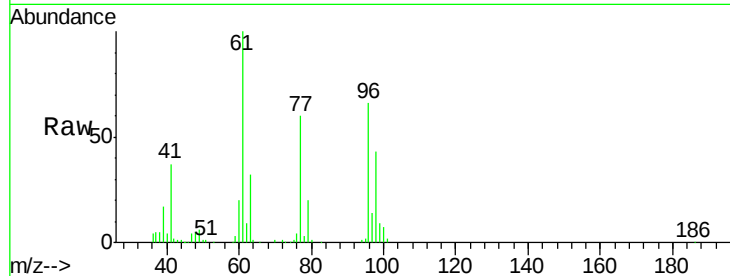
cis-1,2-Dichloroethene
Concen: 20.825 ug/l
RT: 4.60 min Scan# 565
Delta R.T. 0.01 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.9	0.0	324.0
98	64.3	0.0	130.4

Manual Integrations
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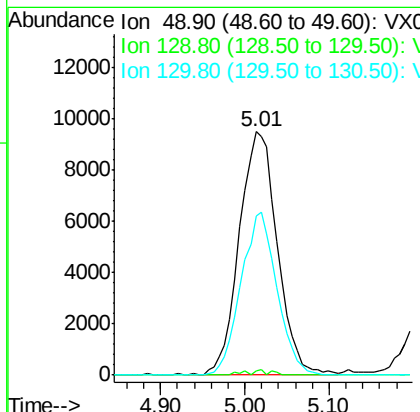
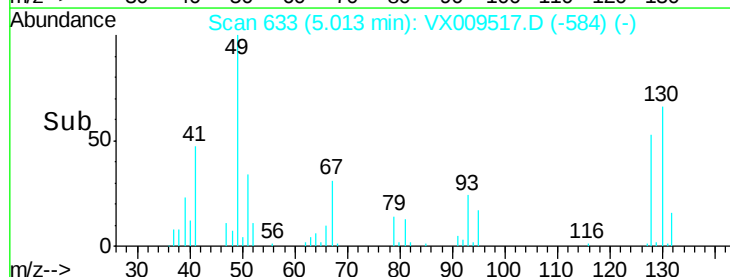
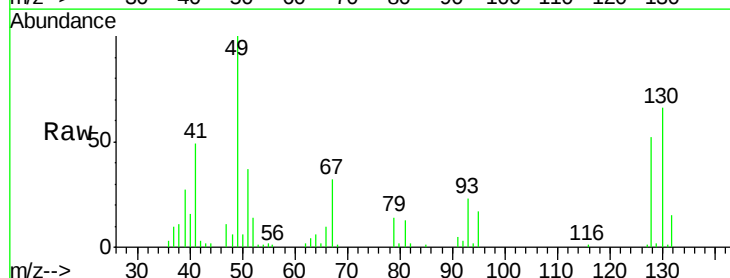
MMDadoda
5/16/2019 9:16:54 AM

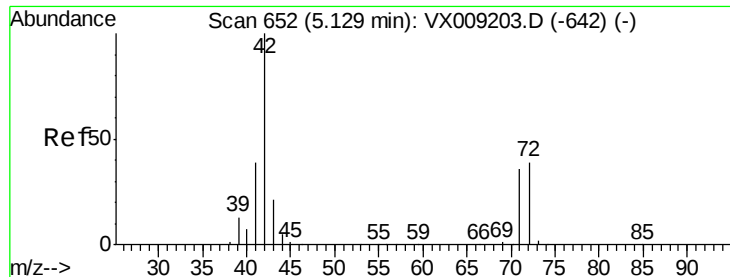


#28

Bromochloromethane
Concen: 18.085 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.4	0.0	3.8
130	63.1	51.2	76.8





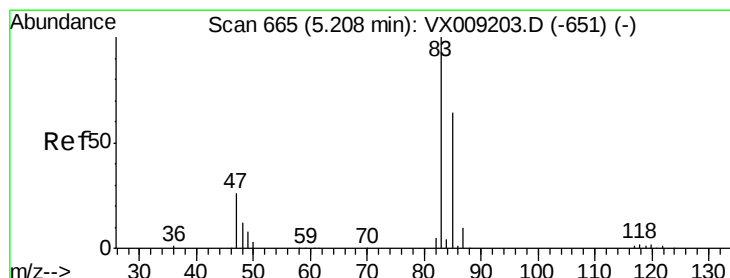
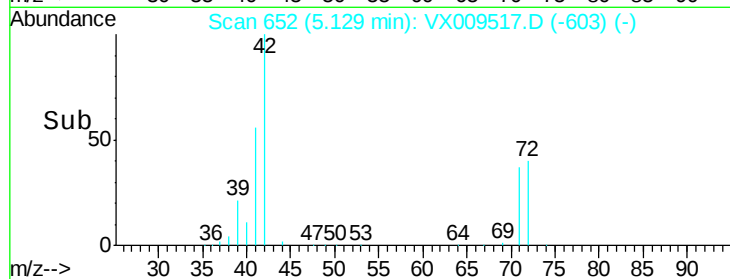
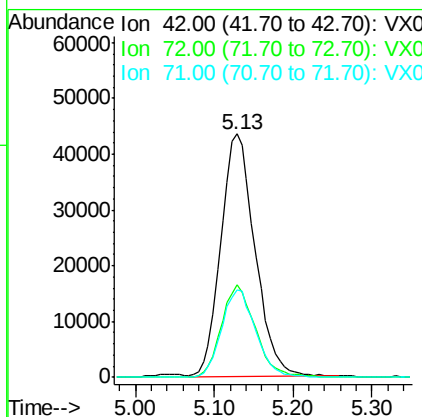
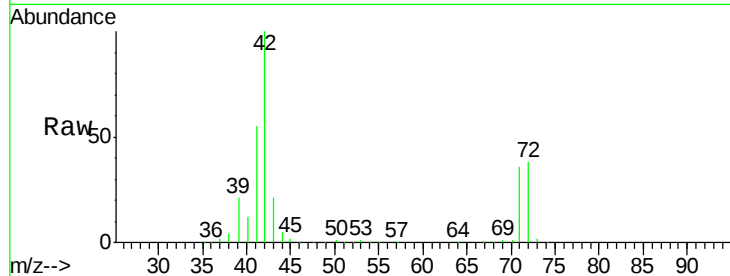
#29
Tetrahydrofuran
Concen: 106.169 ug/l
RT: 5.13 min Scan# 652
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	38.0	30.4	45.6
71	36.1	28.6	43.0

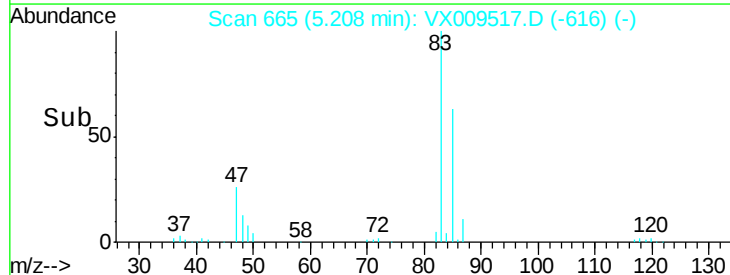
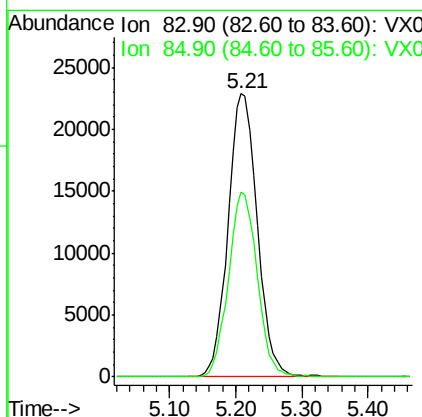
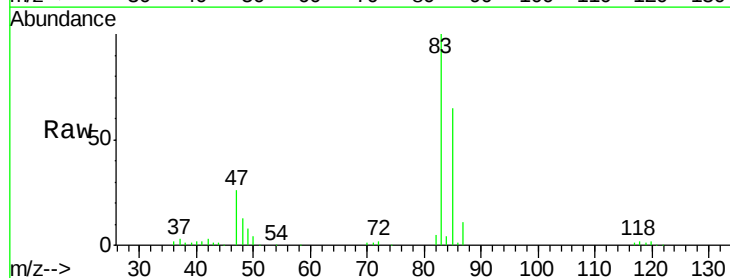
Manual Integrations
APPROVED

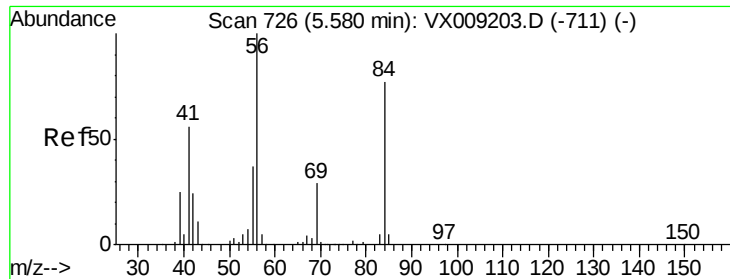
MMDadoda
5/16/2019 9:16:54 AM



#30
Chloroform
Concen: 21.162 ug/l
RT: 5.21 min Scan# 665
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.5	77.3





#31

Cyclohexane

Concen: 21.388 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBS01

Tgt Ion: 56 Resp: 72772

Ion Ratio Lower Upper

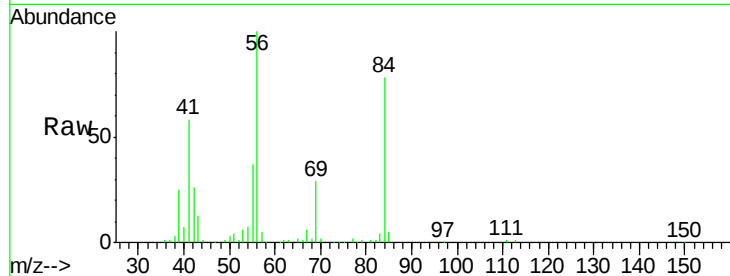
56 100

69 29.5 23.4 35.0

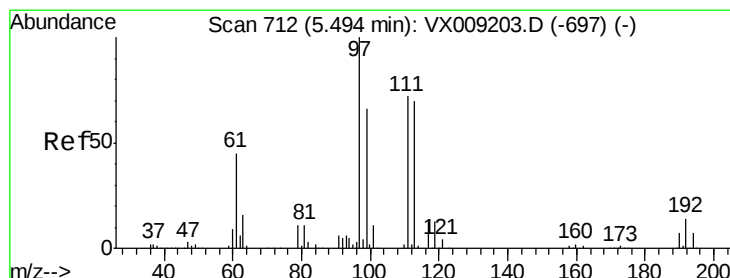
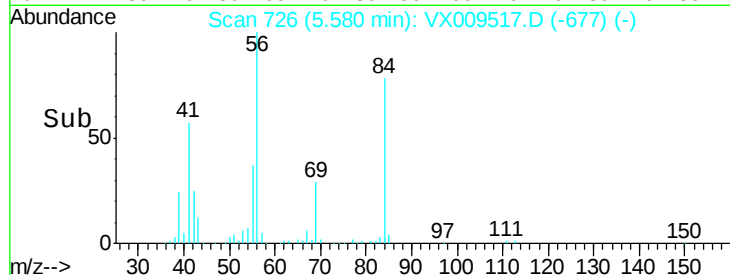
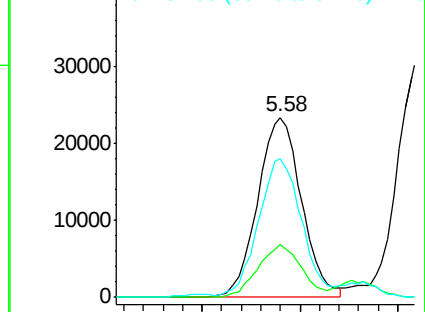
84 75.8 61.9 92.9

Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#32

1,1,1-Trichloroethane

Concen: 21.119 ug/l

RT: 5.49 min Scan# 712

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

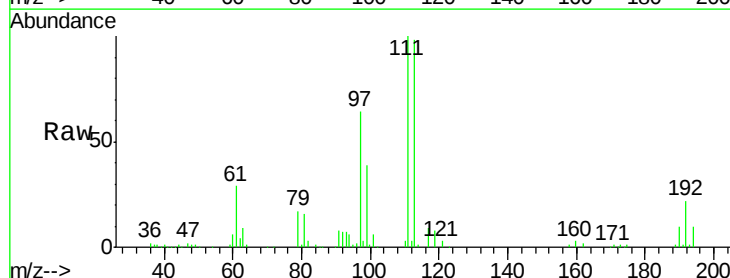
Tgt Ion: 97 Resp: 58150

Ion Ratio Lower Upper

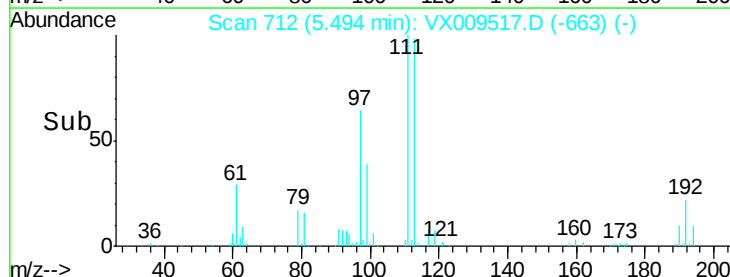
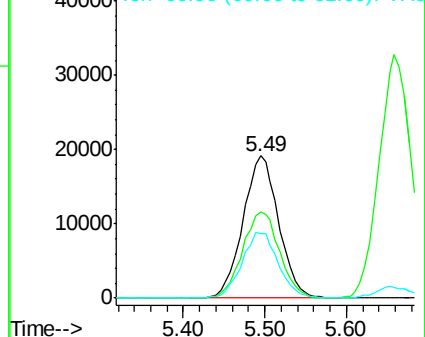
97 100

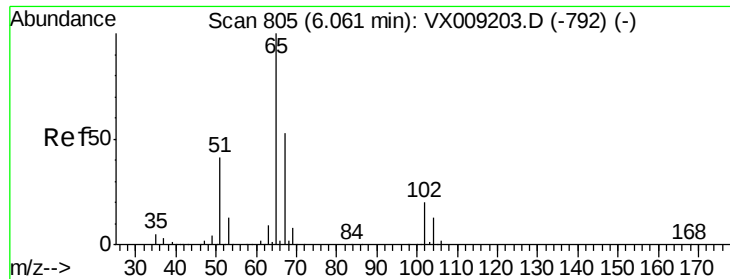
99 62.8 51.8 77.8

61 47.0 37.8 56.8



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0





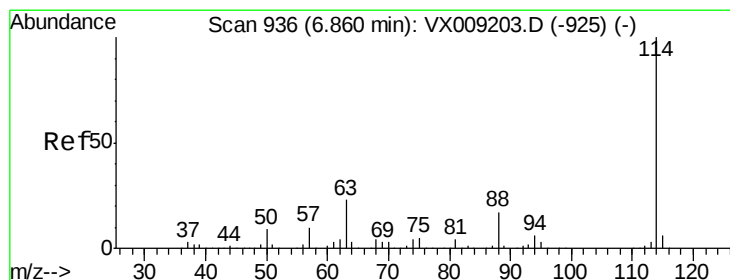
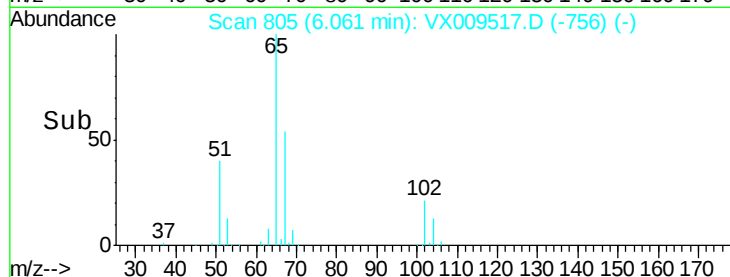
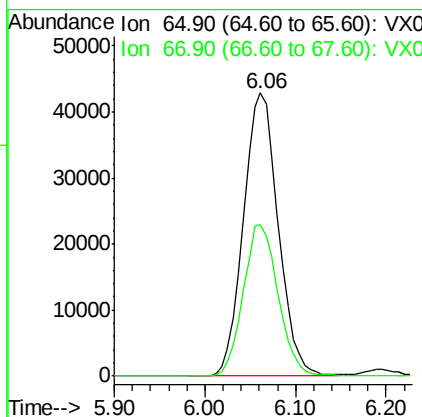
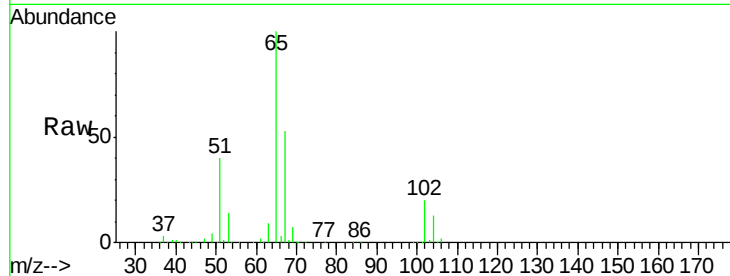
#33
 1,2-Dichloroethane-d4
 Concen: 49.506 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	113932		
67	53.7	0.0	106.6	

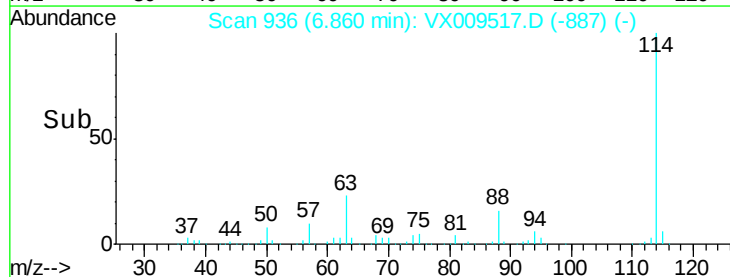
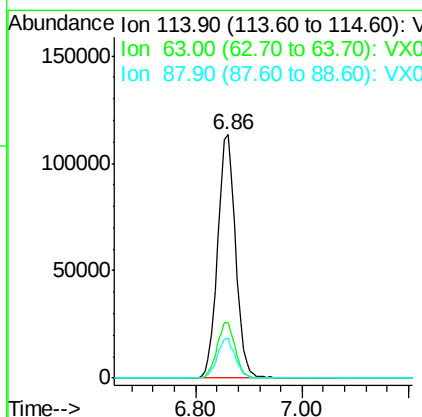
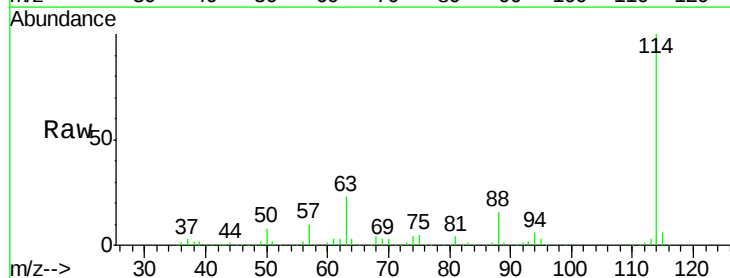
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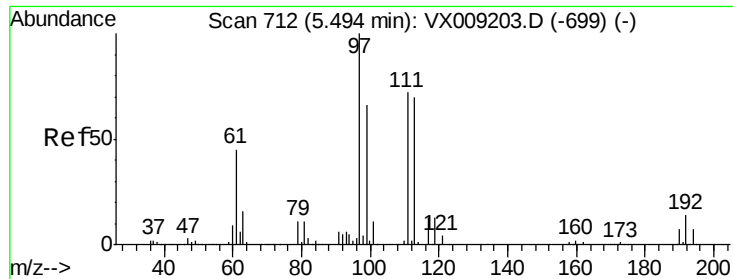
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 5/16/2019 9:16:54 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	267893		
63	22.6	0.0	45.6	
88	16.4	0.0	33.2	





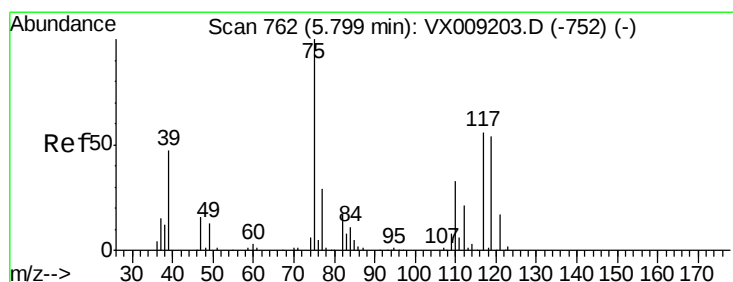
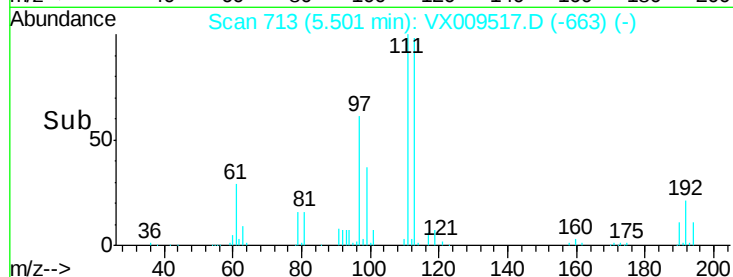
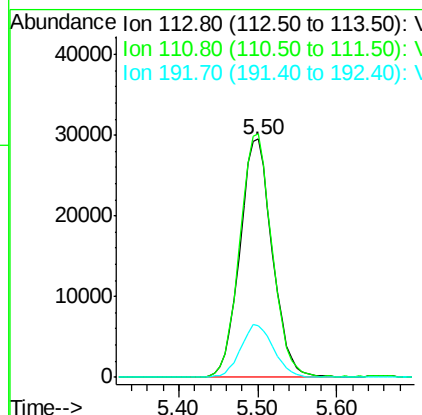
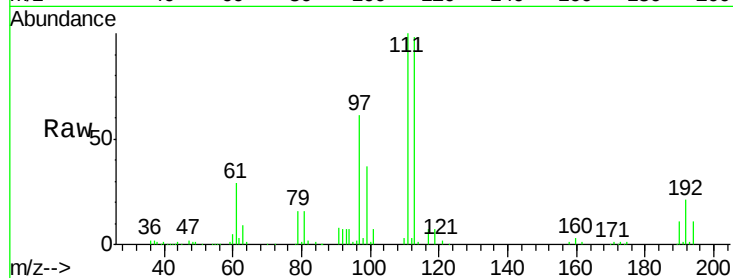
#35
 Dibromofluoromethane
 Concen: 50.213 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. 0.01 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	84563		
111	101.6	82.8	124.2	
192	22.3	17.0	25.6	

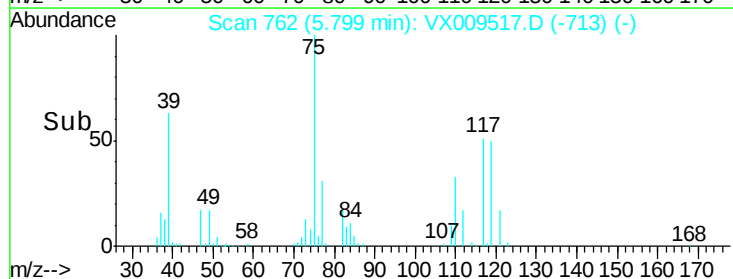
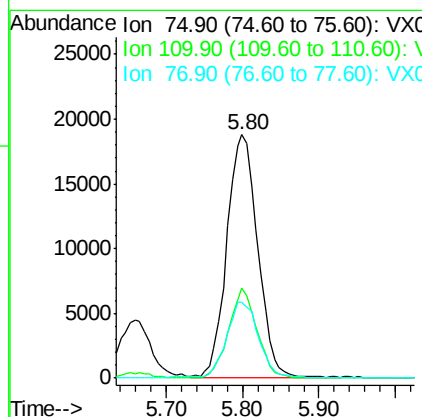
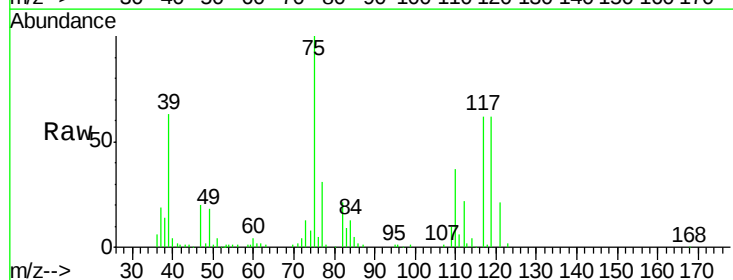
Manual Integrations
 APPROVED

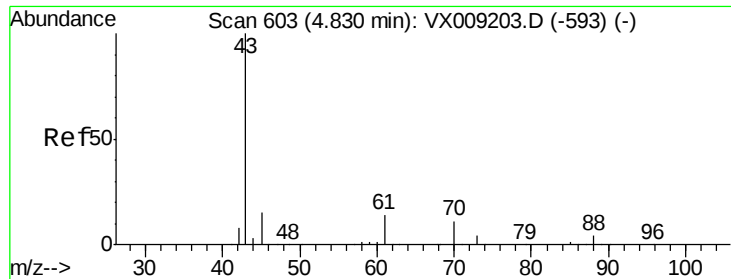
MMDadoda
 5/16/2019 9:16:54 AM



#36
 1,1-Dichloropropene
 Concen: 20.906 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	52048		
110	34.0	16.9	50.6	
77	32.7	24.8	37.2	





#37

Ethyl Acetate

Concen: 22.107 ug/l

RT: 4.83 min Scan# 603

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

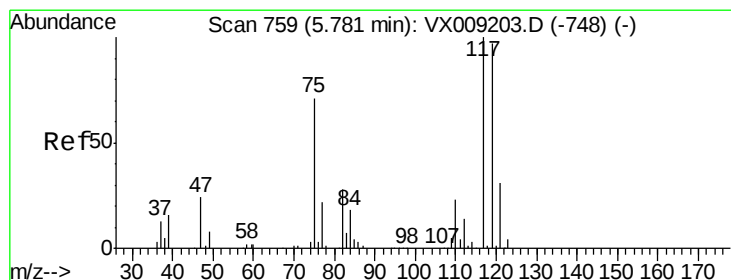
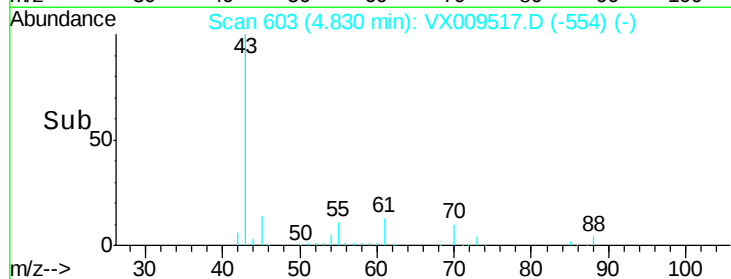
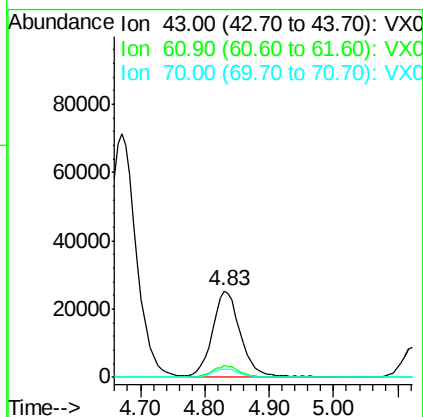
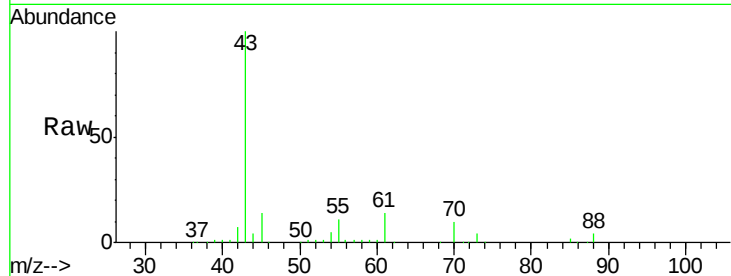
ClientSampleId :

VX0511WBS01

Tgt Ion:	43	Resp:	76684
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.5	15.7
70	9.6	7.9	11.9

Manual Integrations
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5/16/2019 9:16:54 AM



#38

Carbon Tetrachloride

Concen: 21.118 ug/l

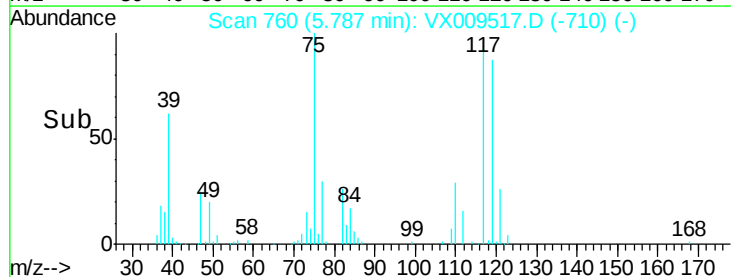
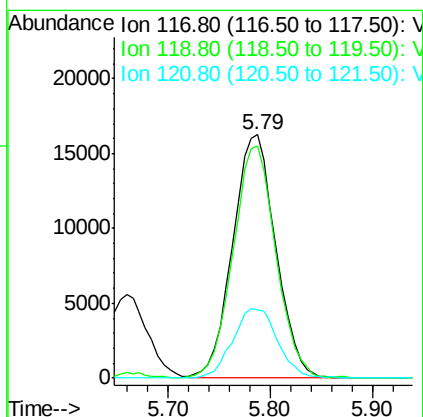
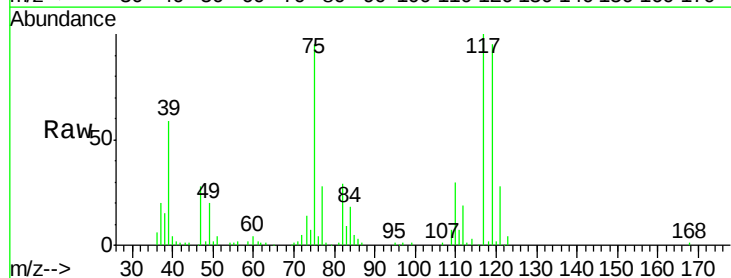
RT: 5.79 min Scan# 760

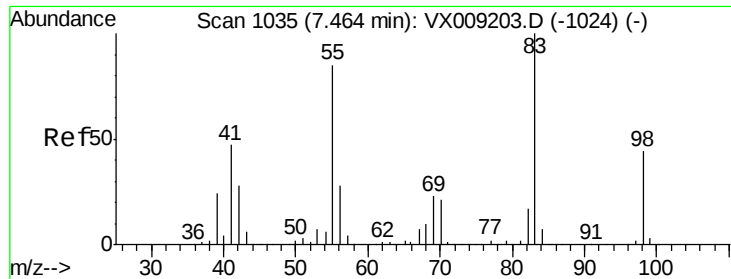
Delta R.T. 0.01 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Tgt Ion:	117	Resp:	47768
Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.5	116.3
121	27.9	24.7	37.1





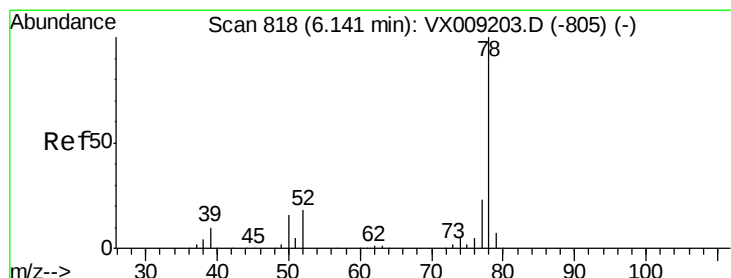
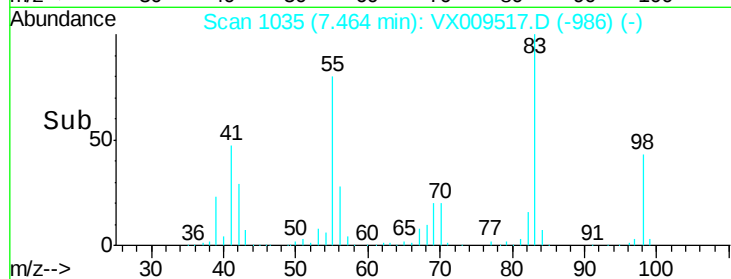
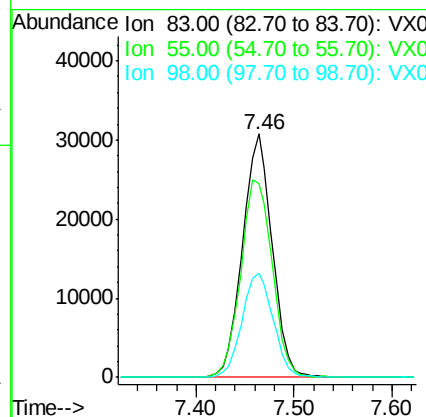
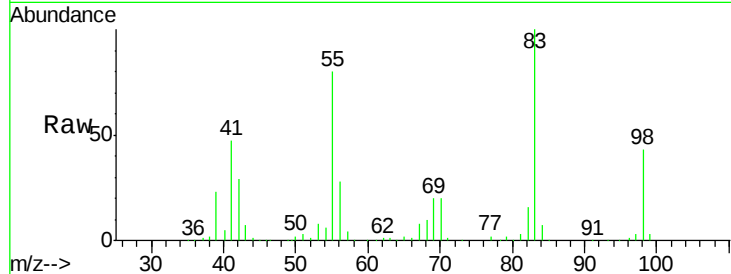
#39
Methylcyclohexane
Concen: 21.159 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.6	67.7	101.5
98	42.8	35.5	53.3

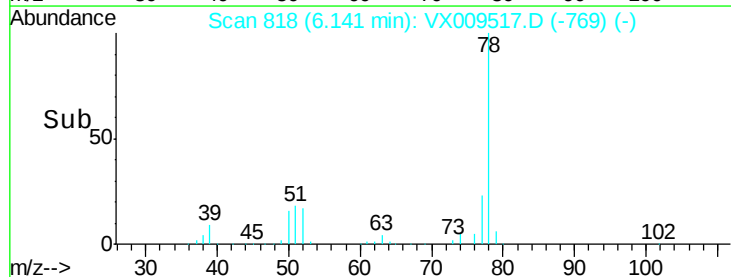
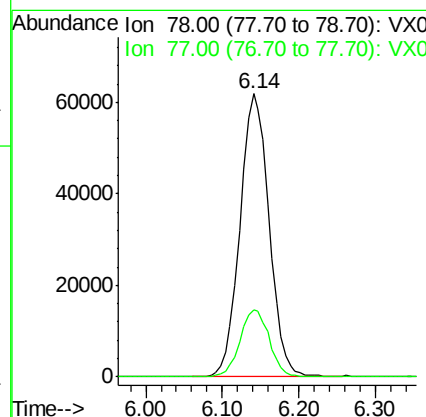
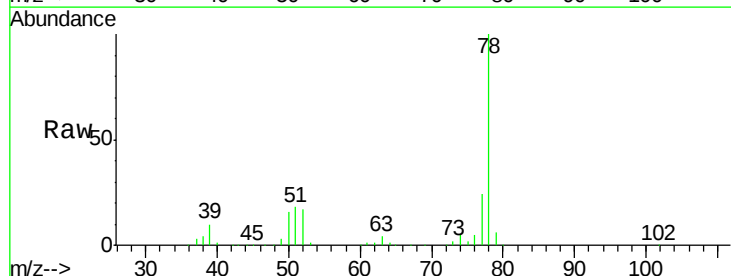
Manual Integrations
APPROVED

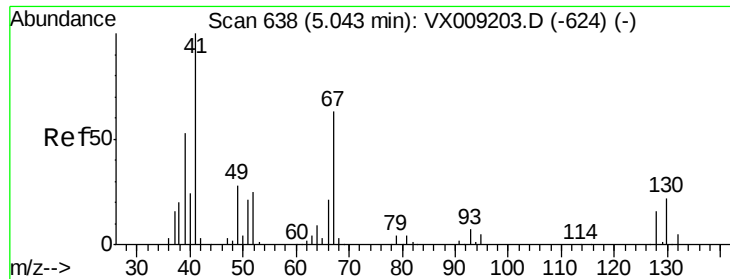
MMDadoda
5/16/2019 9:16:54 AM



#40
Benzene
Concen: 21.187 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.8	28.2





#41

Methacrylonitrile

Concen: 20.569 ug/l

RT: 5.04 min Scan# 638

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

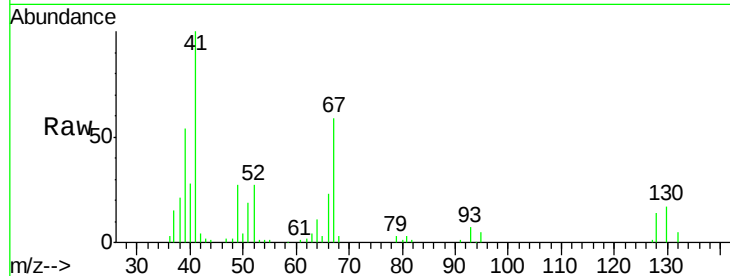
ClientSampleId :

VX0511WBS01

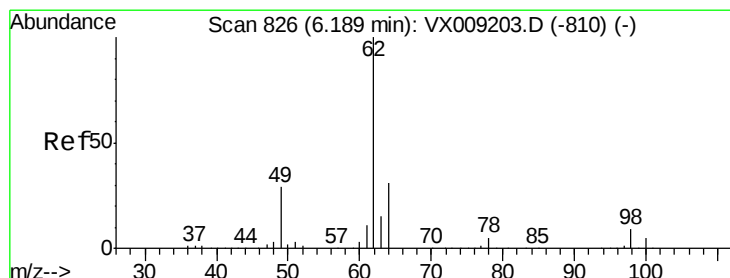
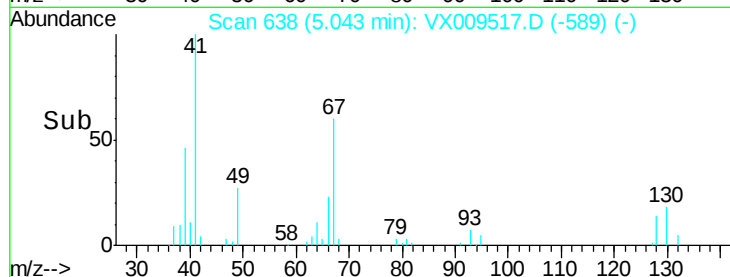
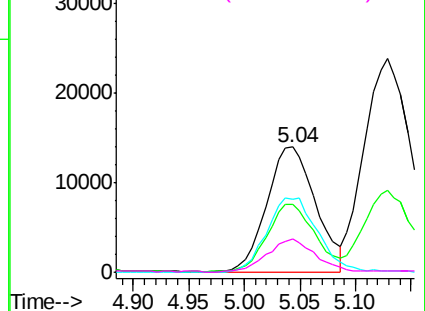
Tgt Ion:	41	Resp:	42472
Ion	Ratio	Lower	Upper
41	100		
39	52.9	42.0	63.0
67	62.7	49.8	74.8
52	27.0	20.3	30.5

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Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0



#42

1,2-Dichloroethane

Concen: 21.631 ug/l

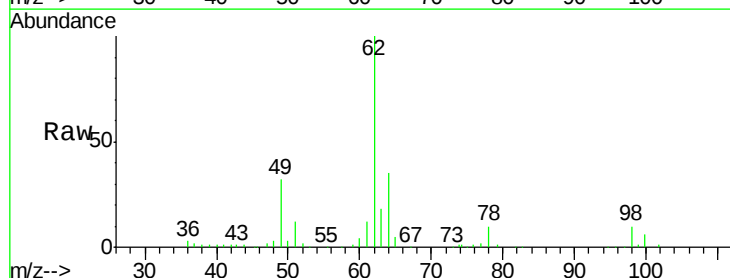
RT: 6.19 min Scan# 826

Delta R.T. 0.00 min

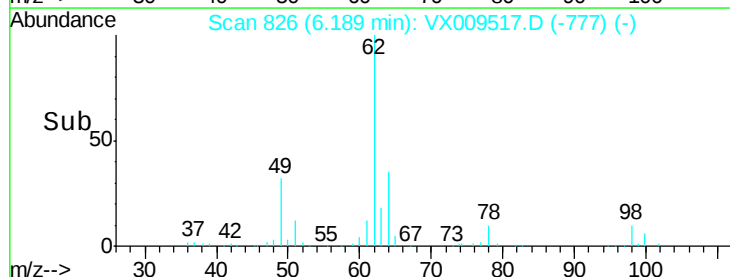
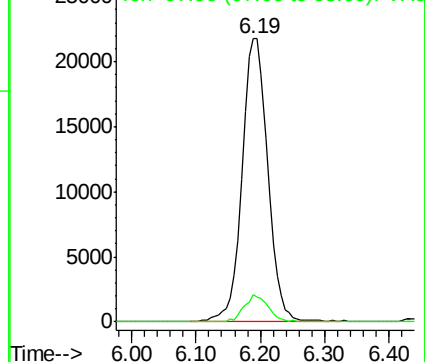
Lab File: VX009517.D

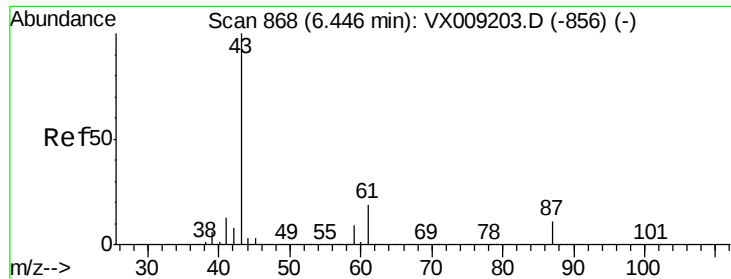
Acq: 11 May 2019 12:01

Tgt Ion:	62	Resp:	59784
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.2



Abundance Ion 61.90 (61.60 to 62.60): VX0
Ion 97.90 (97.60 to 98.60): VX0





#43

Isopropyl Acetate

Concen: 21.087 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

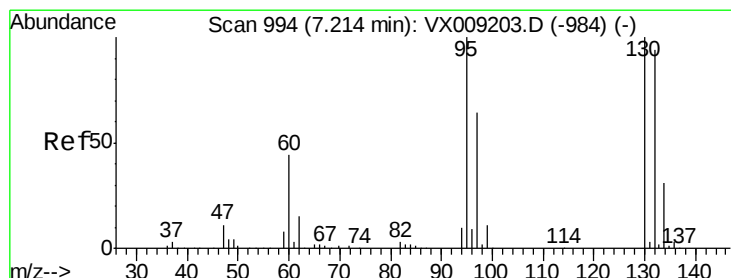
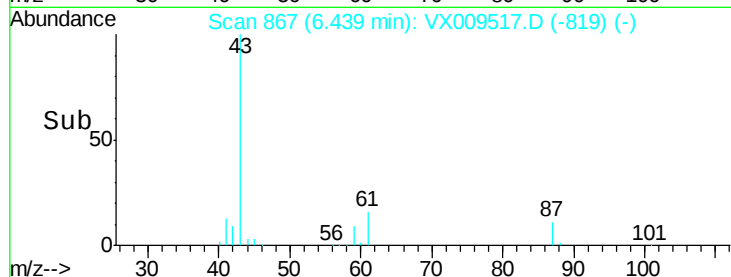
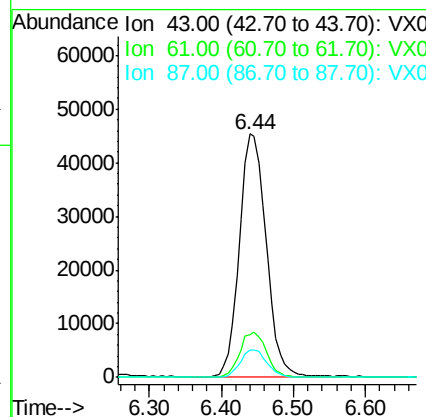
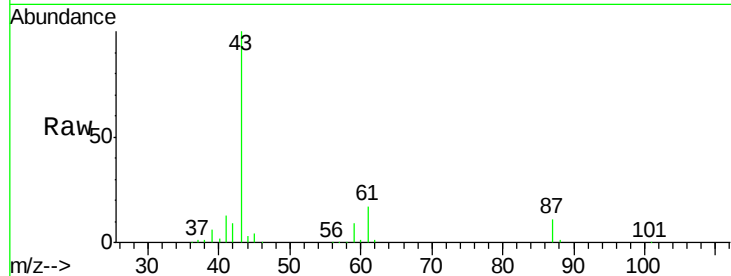
ClientSampleId :

VX0511WBS01

Tgt Ion:	43	Resp:	116997
Ion	Ratio	Lower	Upper
43	100		
61	18.5	15.1	22.7
87	11.5	9.0	13.6

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#44

Trichloroethene

Concen: 20.716 ug/l

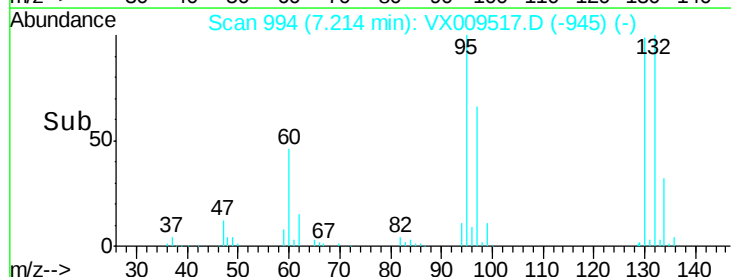
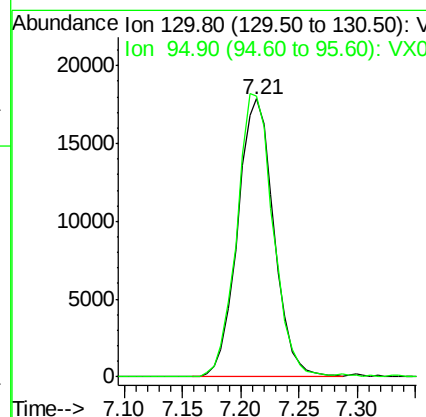
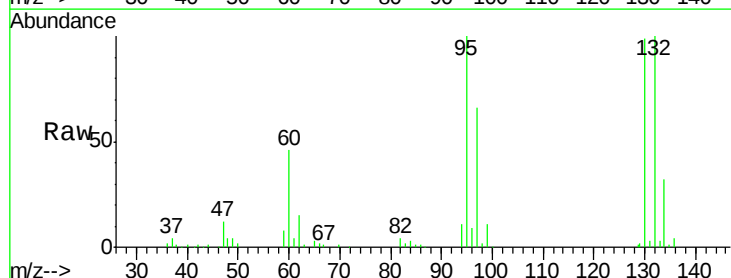
RT: 7.21 min Scan# 994

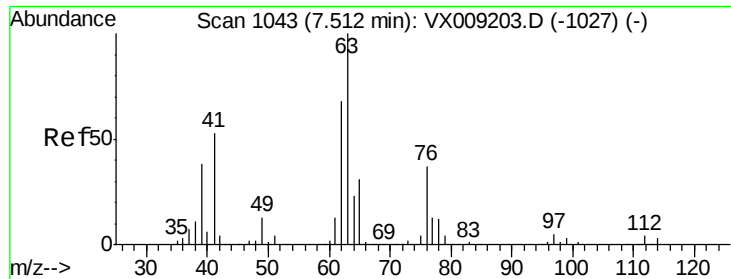
Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Tgt Ion:	130	Resp:	38586
Ion	Ratio	Lower	Upper
130	100		
95	101.1	0.0	199.2





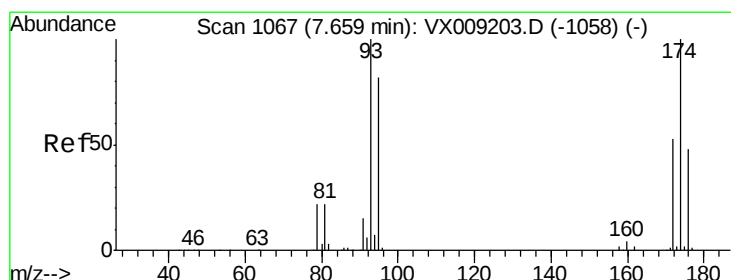
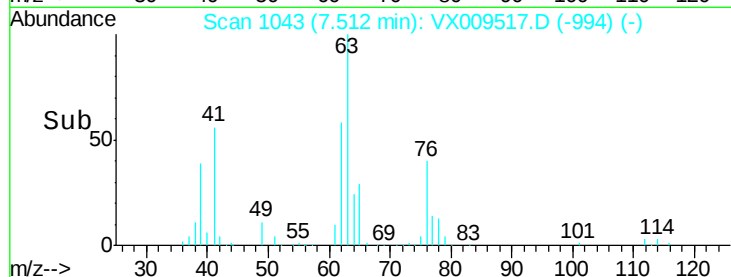
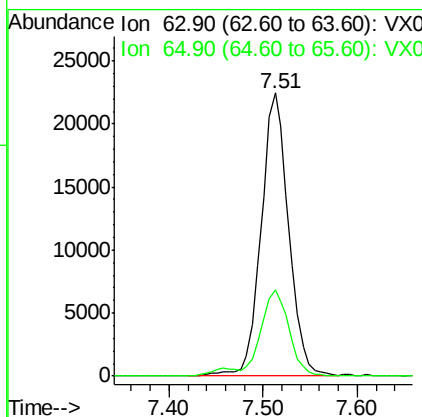
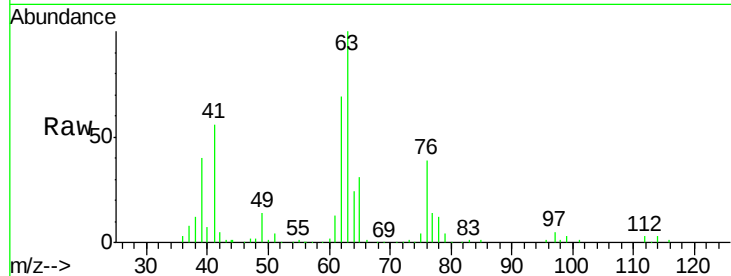
#45
 1,2-Dichloropropane
 Concen: 21.149 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBS01

Tgt Ion: 63 Resp: 46141
 Ion Ratio Lower Upper
 63 100
 65 30.6 25.0 37.6

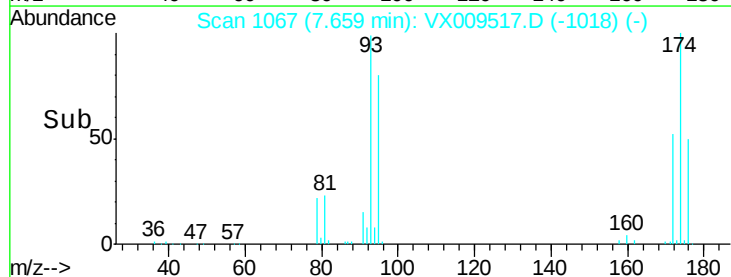
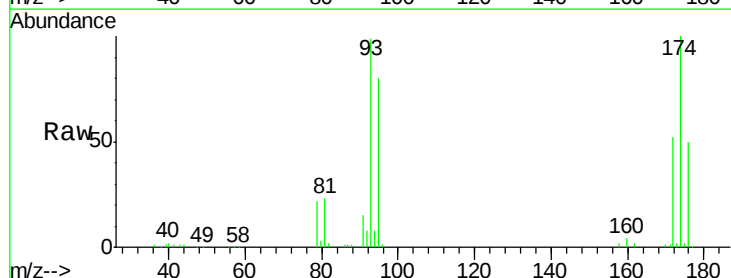
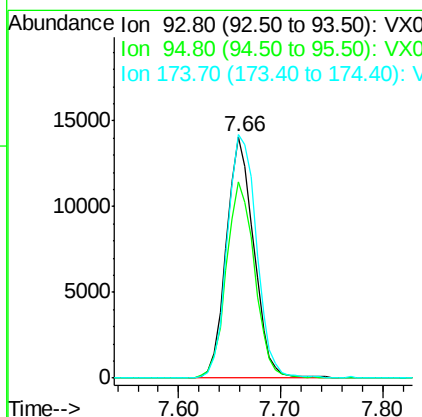
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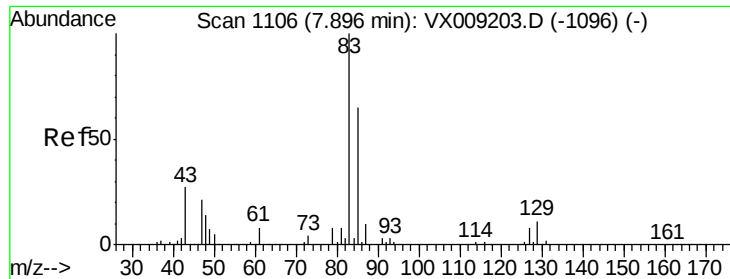
MMDadoda
 5/16/2019 9:16:54 AM



#46
 Dibromomethane
 Concen: 20.678 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Tgt Ion: 93 Resp: 26197
 Ion Ratio Lower Upper
 93 100
 95 84.0 66.5 99.7
 174 107.6 82.1 123.1





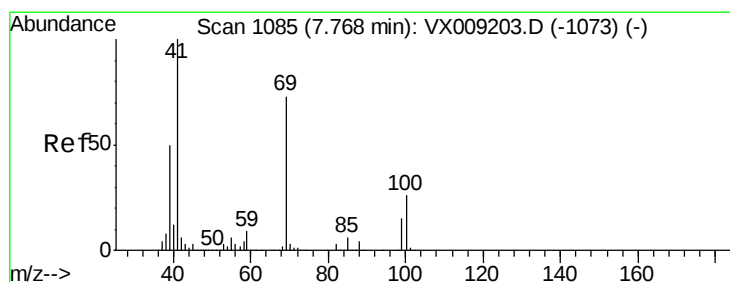
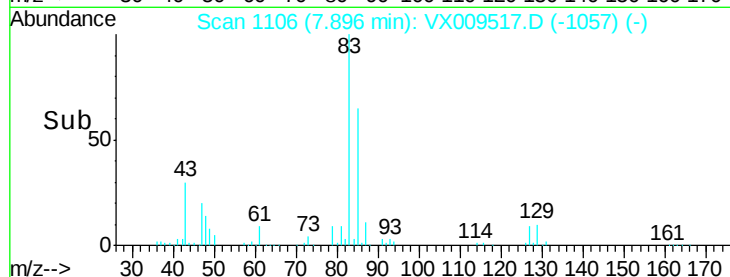
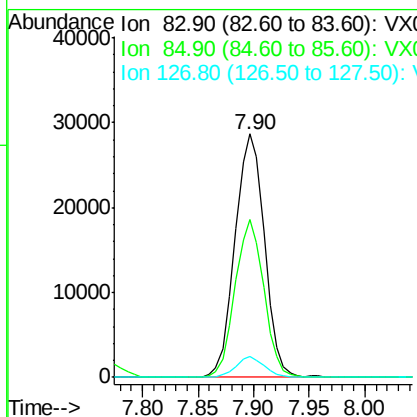
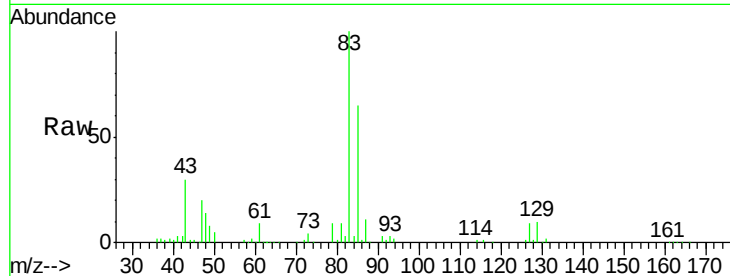
#47
Bromodichloromethane
Concen: 20.818 ug/l
RT: 7.90 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	52611		
85	64.8	52.4	78.6	
127	8.6	6.6	10.0	

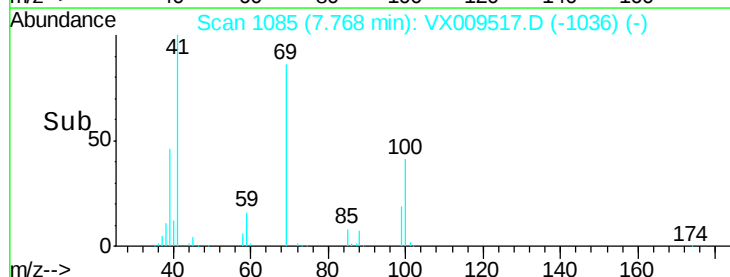
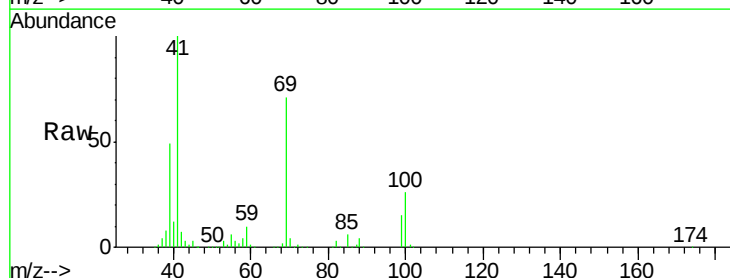
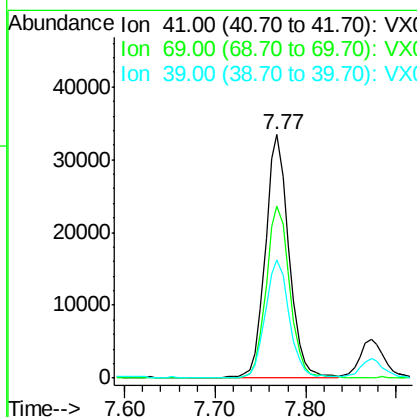
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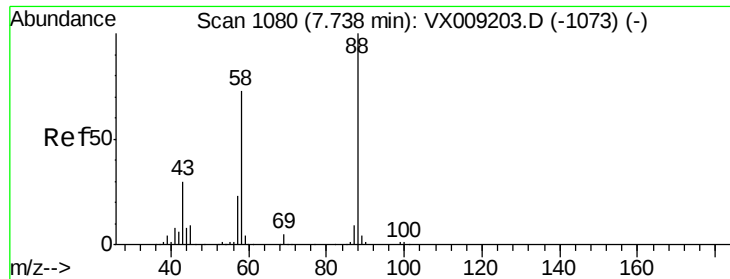
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#48
Methyl methacrylate
Concen: 21.921 ug/l
RT: 7.77 min Scan# 1085
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	60341		
69	70.8	59.1	88.7	
39	49.8	40.4	60.6	





#49

1,4-Dioxane

Concen: 422.291 ug/l

RT: 7.74 min Scan# 1080

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

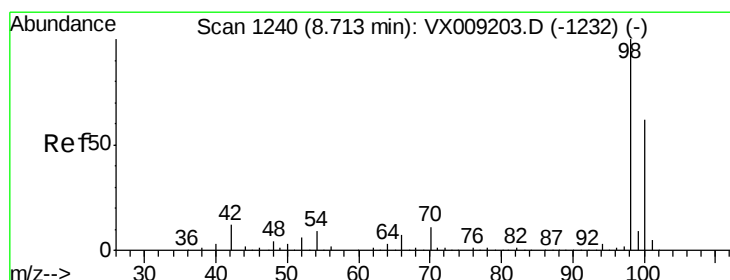
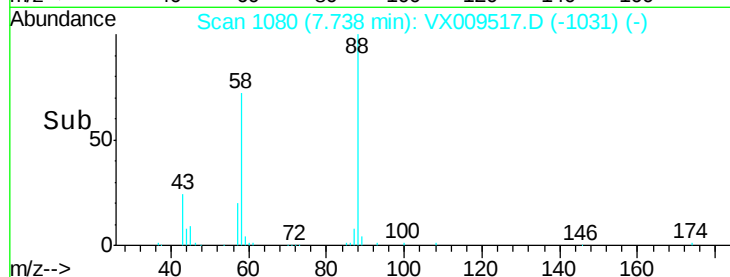
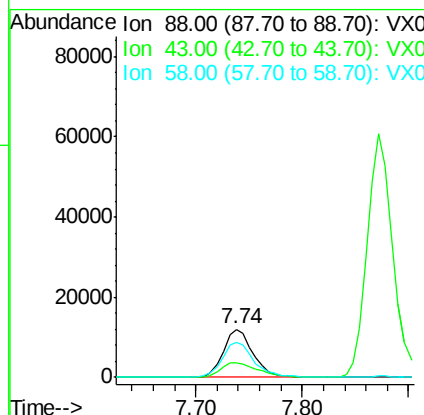
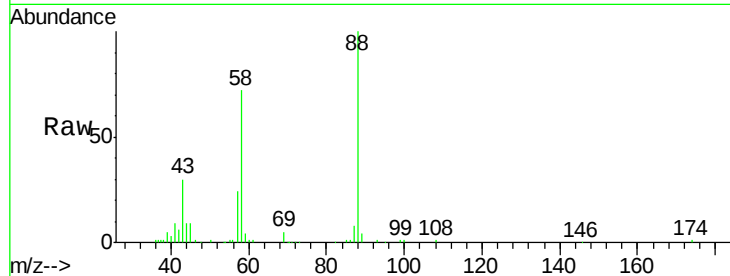
ClientSampleId :

VX0511WBS01

Tgt Ion:	88	Resp:	23574
Ion	Ratio	Lower	Upper
88	100		
43	36.3	28.6	42.8
58	77.3	61.7	92.5

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#50

Toluene-d8

Concen: 49.554 ug/l

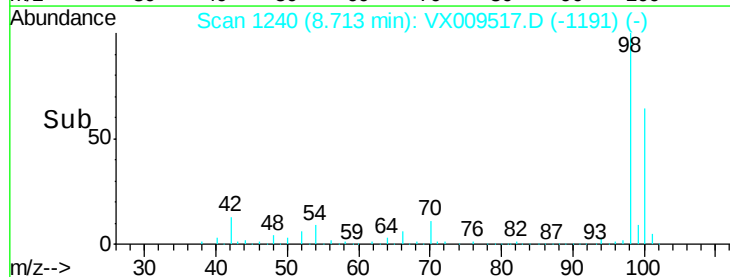
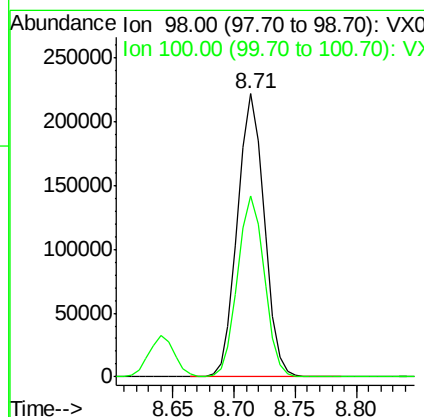
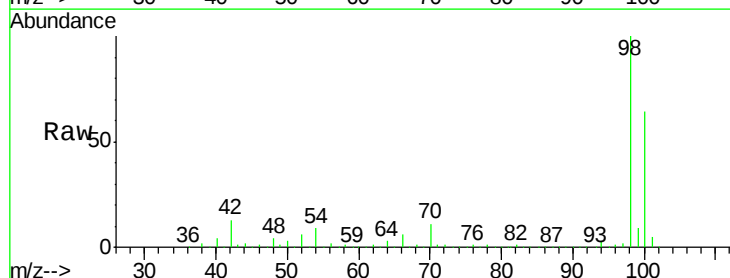
RT: 8.71 min Scan# 1240

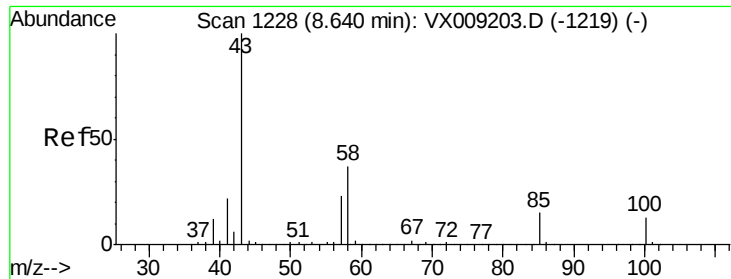
Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Tgt Ion:	98	Resp:	336920
Ion	Ratio	Lower	Upper
98	100		
100	63.7	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 107.529 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBS01

Tgt Ion: 43 Resp: 389958

Ion Ratio Lower Upper

43 100

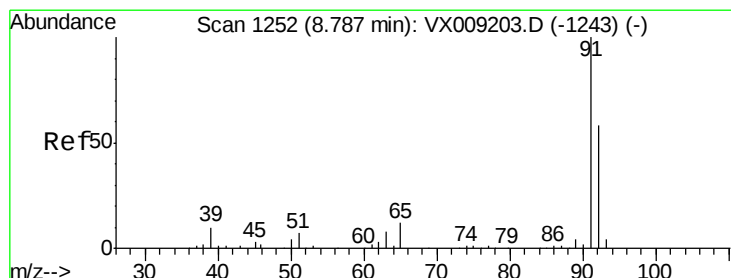
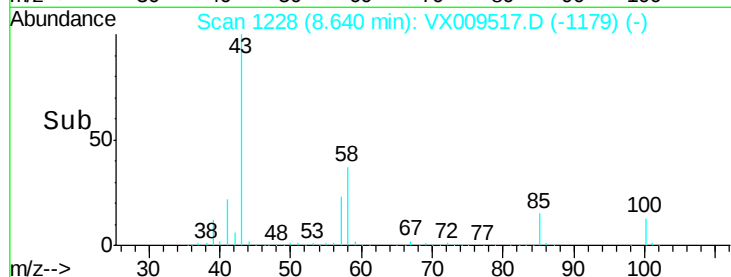
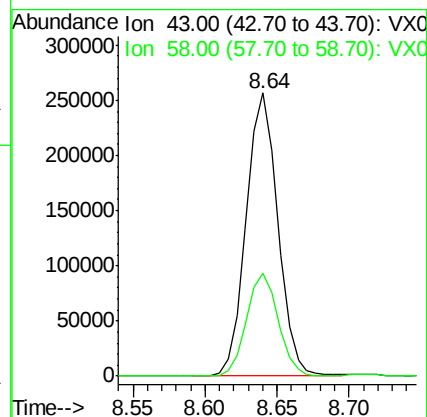
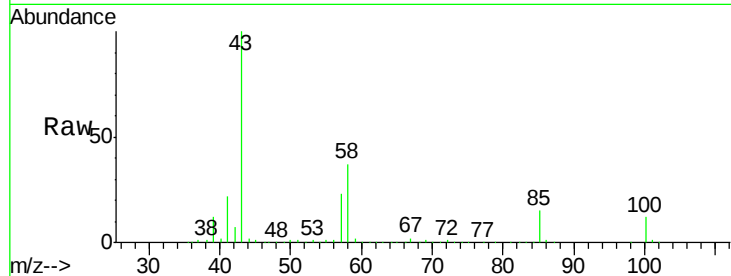
58 36.4 29.5 44.3

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#52

Toluene

Concen: 21.202 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009517.D

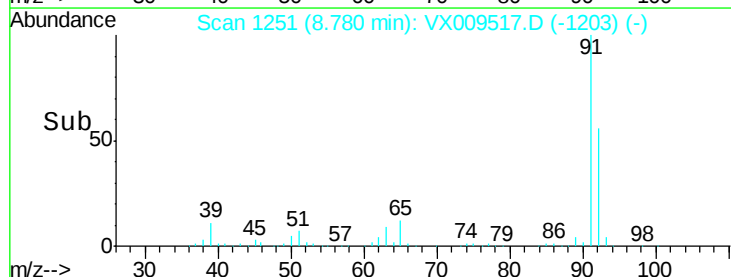
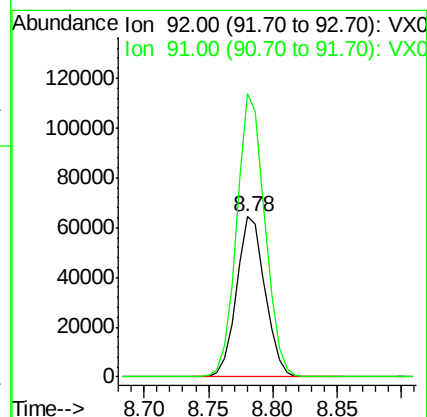
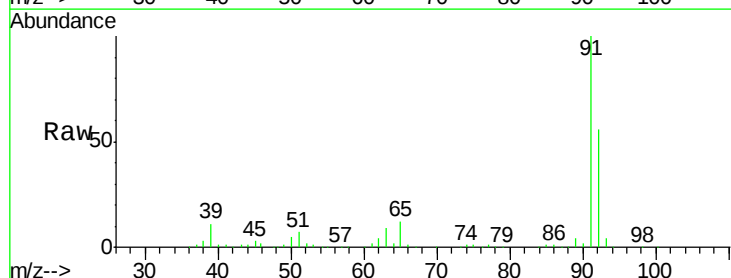
Acq: 11 May 2019 12:01

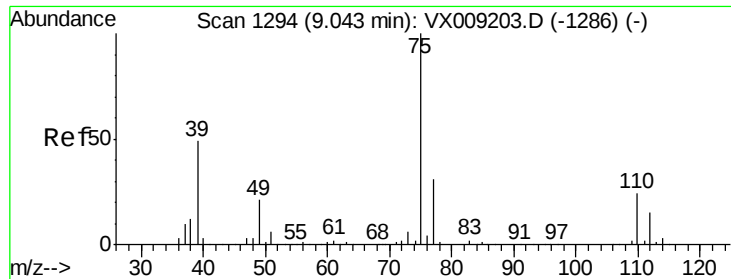
Tgt Ion: 92 Resp: 99298

Ion Ratio Lower Upper

92 100

91 174.6 138.8 208.2





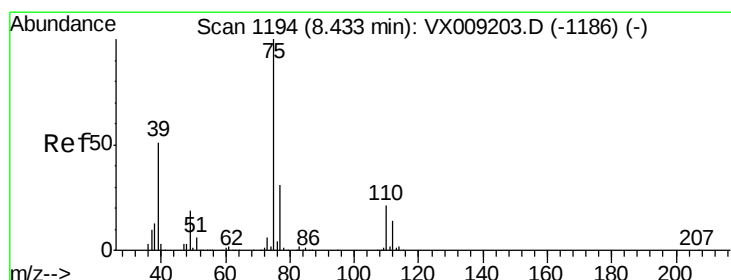
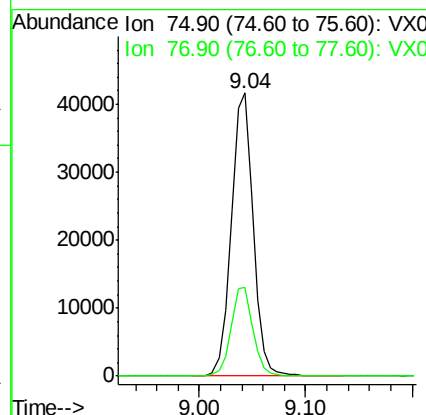
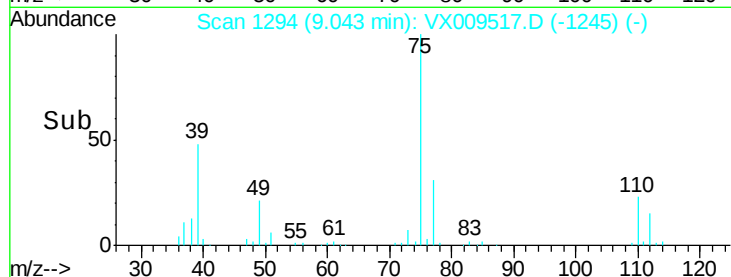
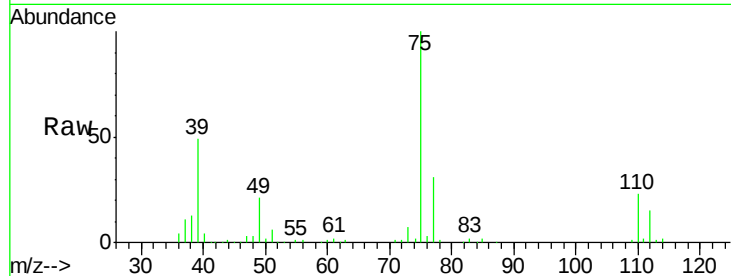
#53
t-1,3-Dichloropropene
Concen: 21.099 ug/l
RT: 9.04 min Scan# 1294
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

Tgt Ion: 75 Resp: 60200
Ion Ratio Lower Upper
75 100
77 31.2 25.0 37.6

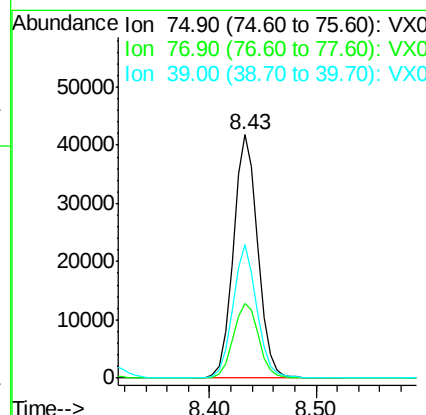
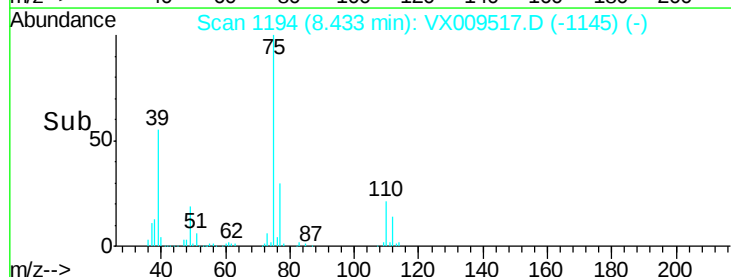
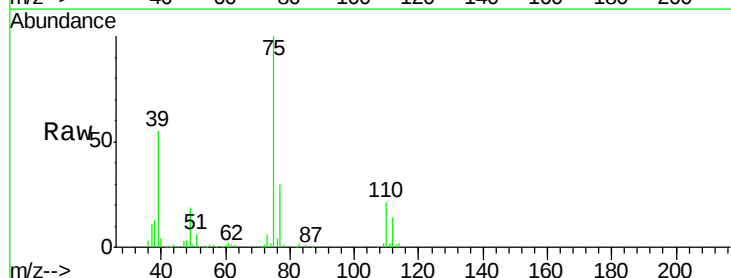
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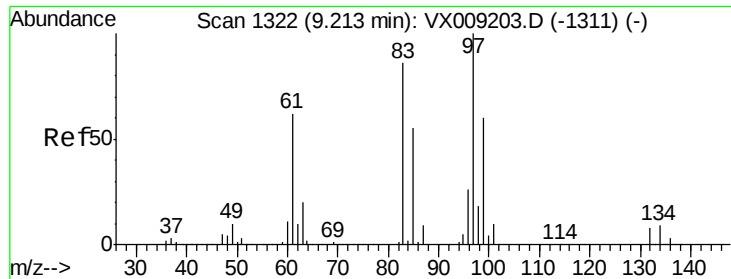
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 21.285 ug/l
RT: 8.43 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion: 75 Resp: 67218
Ion Ratio Lower Upper
75 100
77 30.4 24.6 36.8
39 54.8 40.6 60.8





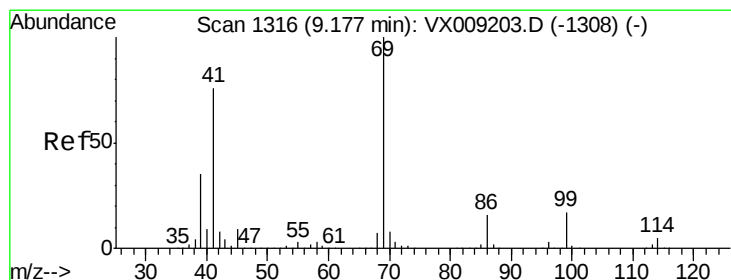
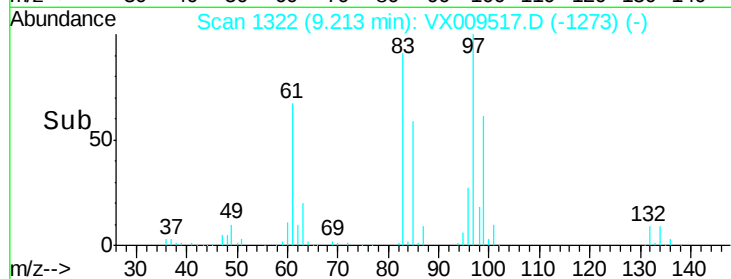
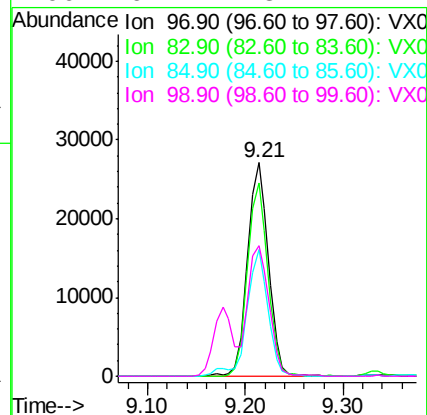
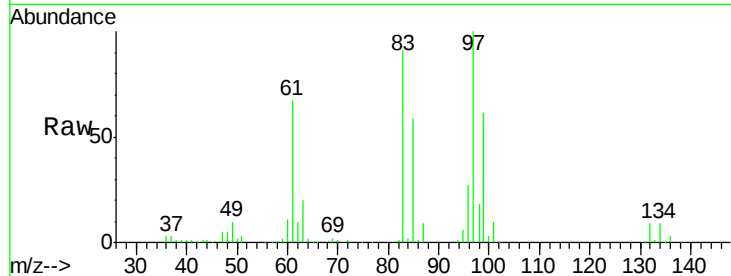
#55
 1,1,2-Trichloroethane
 Concen: 21.094 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBS01

Tgt Ion:	97	Resp:	40306
Ion	Ratio	Lower	Upper
97	100		
83	90.7	68.9	103.3
85	59.1	43.8	65.6
99	61.2	48.2	72.2

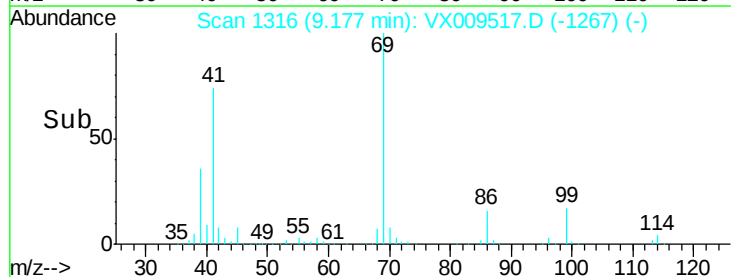
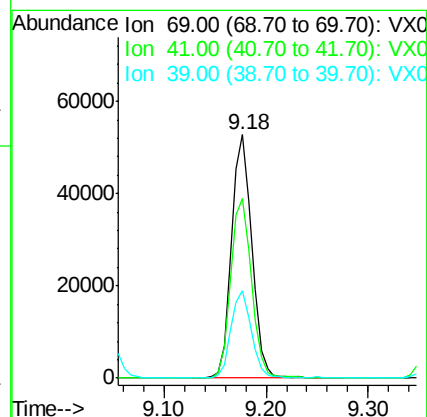
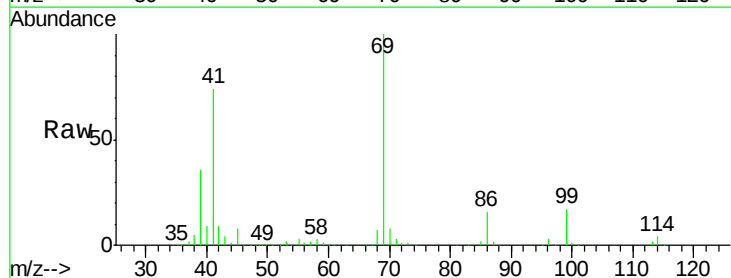
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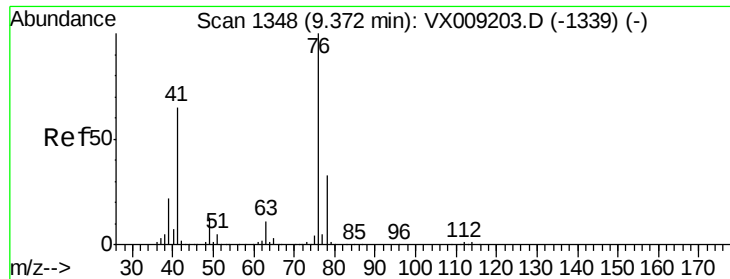
MMDadoda
 5/16/2019 9:16:54 AM



#56
 Ethyl methacrylate
 Concen: 21.261 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Tgt Ion:	69	Resp:	72517
Ion	Ratio	Lower	Upper
69	100		
41	75.1	60.6	90.8
39	35.5	28.2	42.4





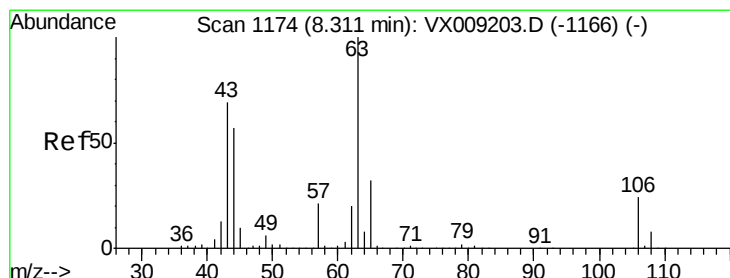
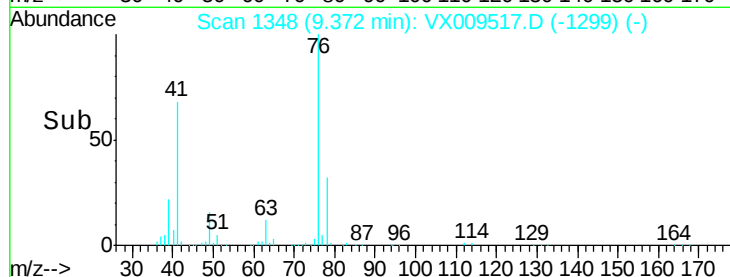
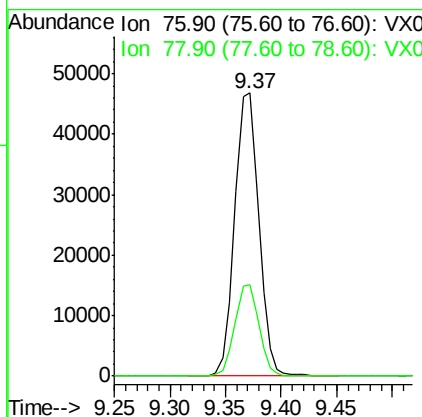
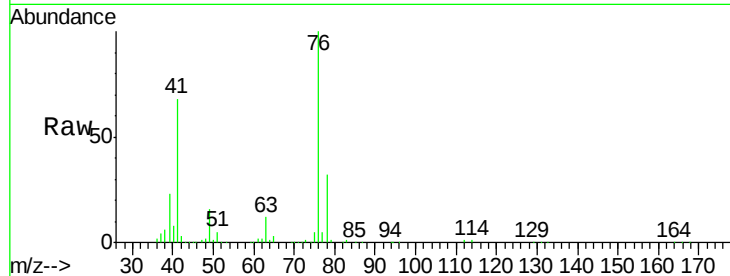
#57
 1,3-Dichloropropane
 Concen: 21.020 ug/l
 RT: 9.37 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBS01

Tgt Ion: 76 Resp: 70679
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.5 38.3

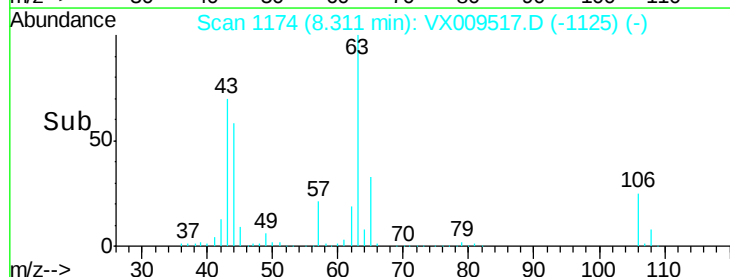
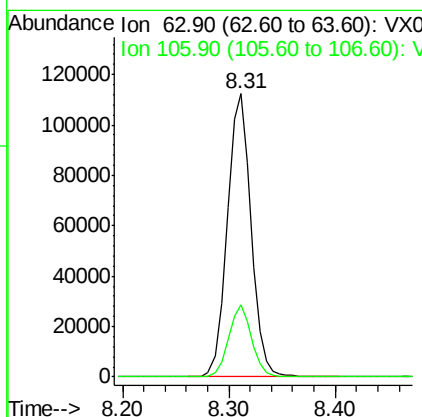
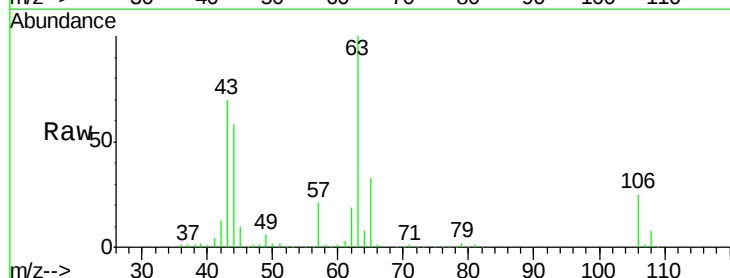
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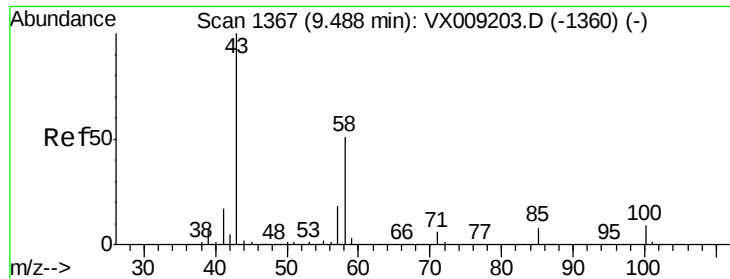
MMDadoda
 5/16/2019 9:16:54 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.170 ug/l
 RT: 8.31 min Scan# 1174
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Tgt Ion: 63 Resp: 175820
 Ion Ratio Lower Upper
 63 100
 106 24.6 19.7 29.5





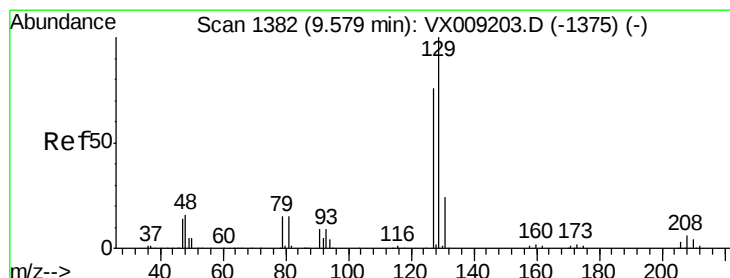
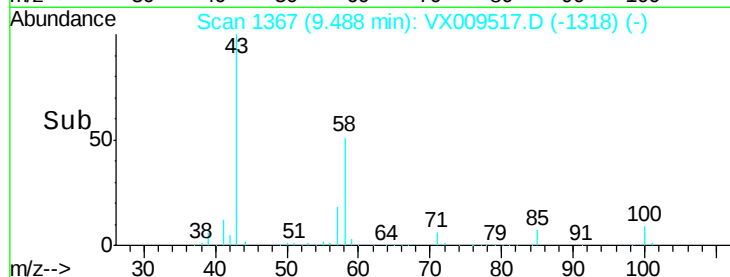
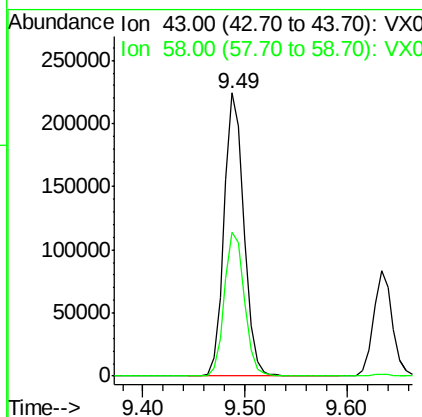
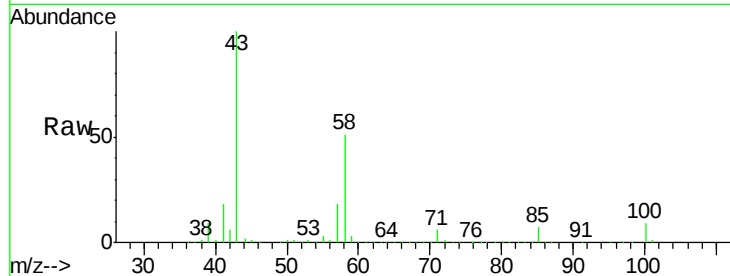
#59
2-Hexanone
Concen: 106.012 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

Tgt Ion: 43 Resp: 301947
Ion Ratio Lower Upper
43 100
58 51.4 25.9 77.7

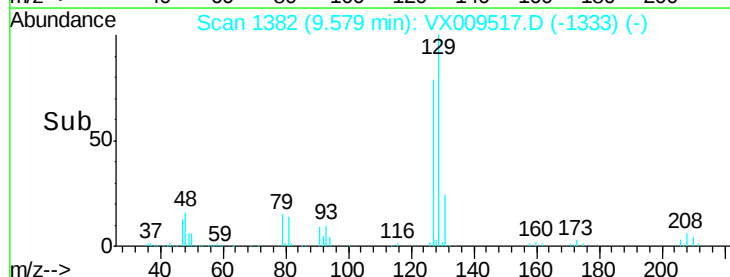
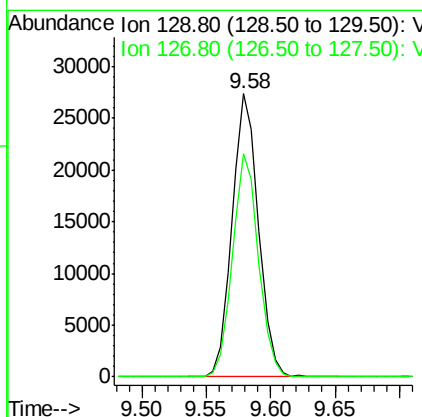
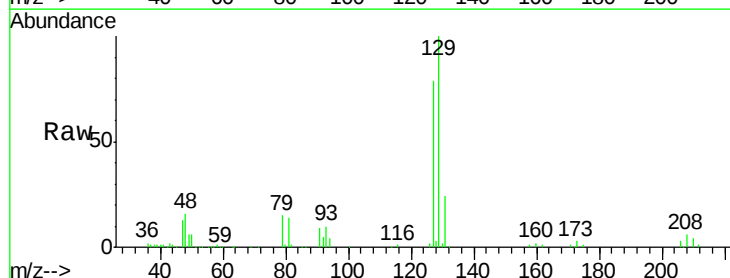
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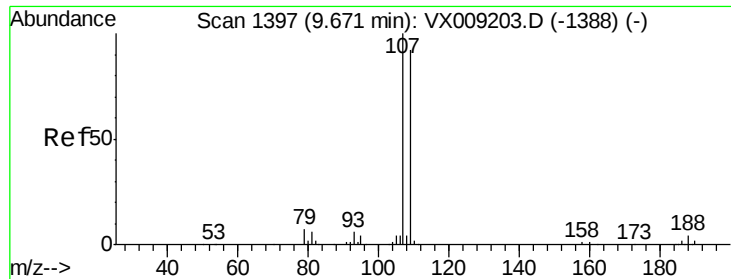
MMDadoda
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#60
Dibromochloromethane
Concen: 20.958 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion: 129 Resp: 39111
Ion Ratio Lower Upper
129 100
127 77.7 38.4 115.1





#61

1,2-Dibromoethane

Concen: 21.080 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBS01

Tgt Ion: 107 Resp: 40658

Ion Ratio Lower Upper

107 100

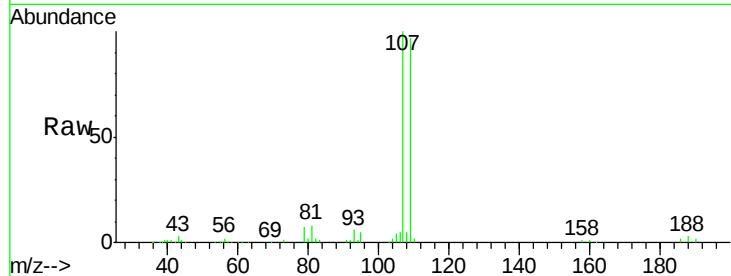
109 94.5 75.2 112.8

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.67

30000

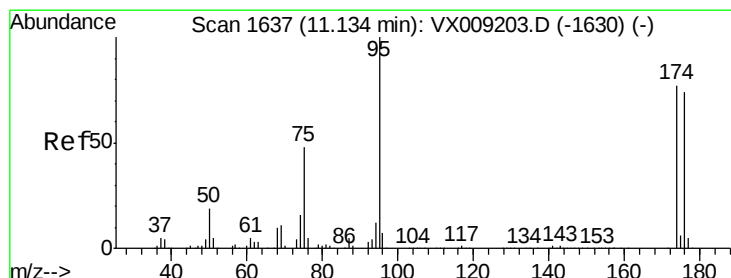
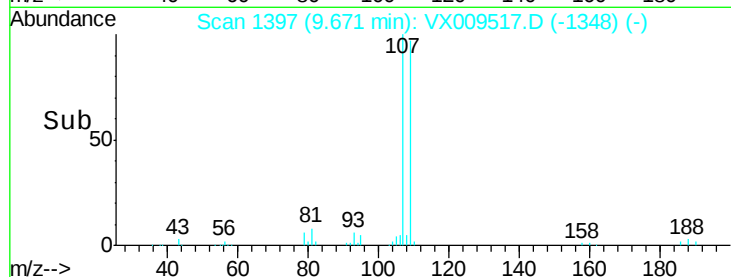
20000

10000

0

Time-->

9.60 9.65 9.70 9.75



#62

4-Bromofluorobenzene

Concen: 49.086 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

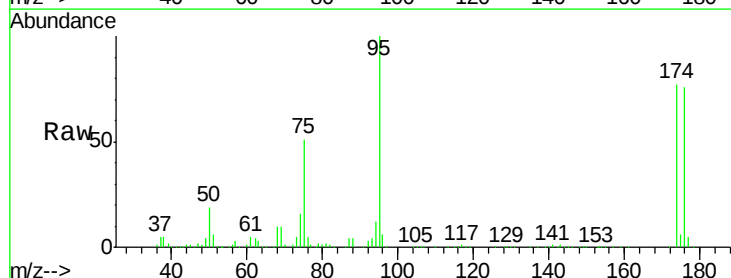
Tgt Ion: 95 Resp: 121269

Ion Ratio Lower Upper

95 100

174 82.4 0.0 161.6

176 80.9 0.0 159.2



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.13

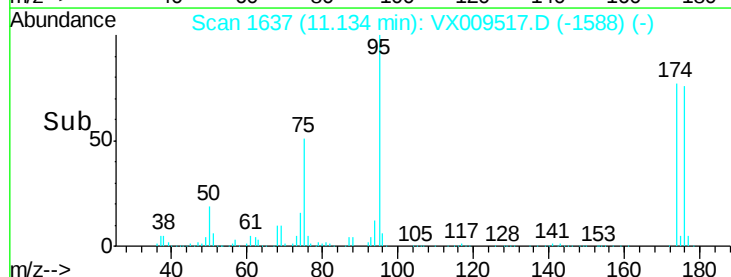
100000

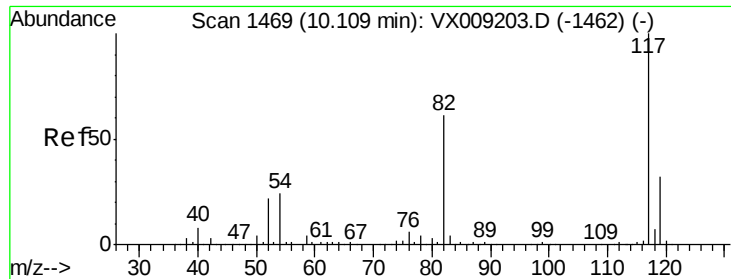
50000

0

Time-->

11.10 11.20





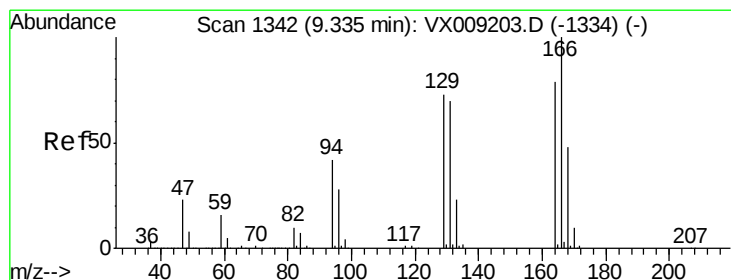
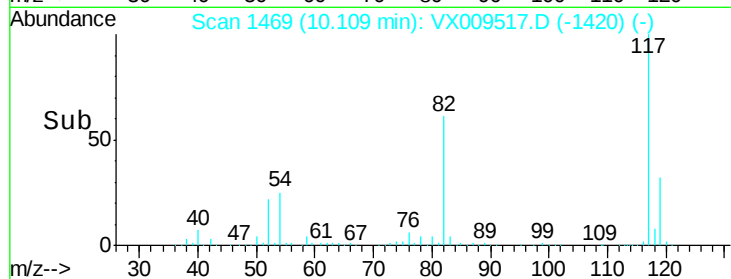
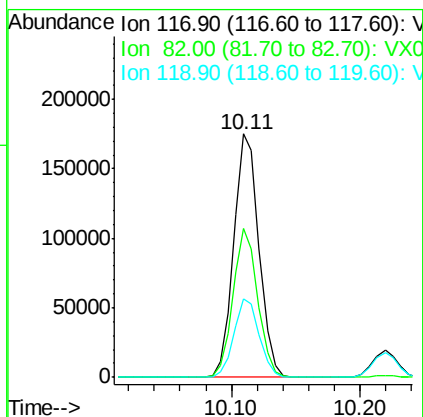
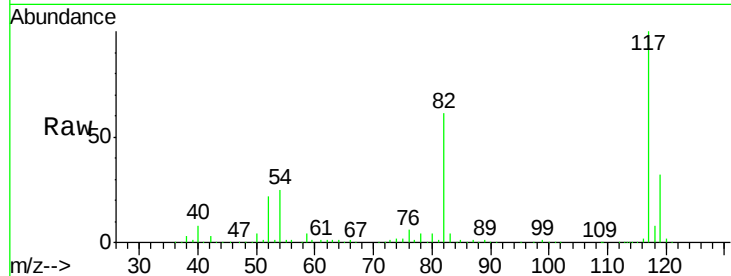
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

Tgt Ion	Ratio	Resp Lower	Resp Upper
117	100		
82	61.2	48.8	73.2
119	32.3	25.8	38.6

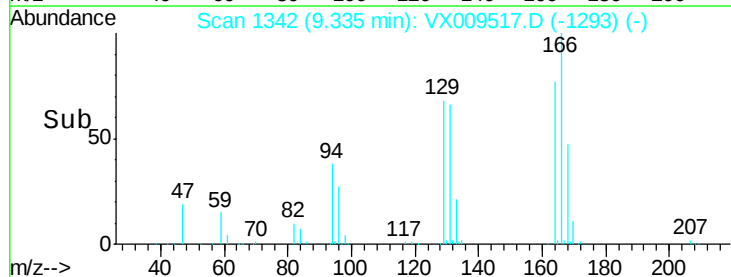
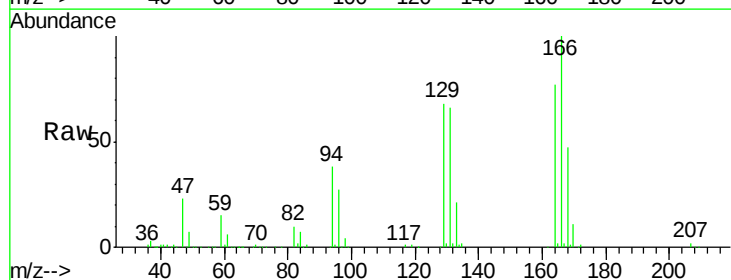
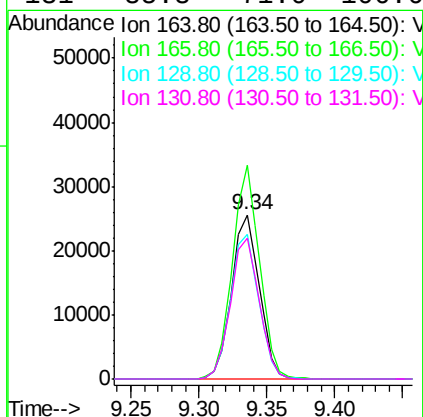
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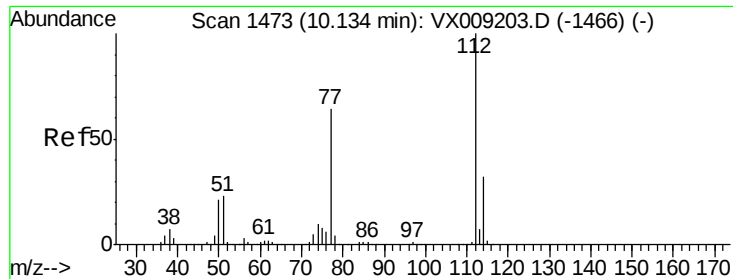
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#64
Tetrachloroethene
Concen: 22.224 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion	Ratio	Resp Lower	Resp Upper
164	100		
166	130.0	101.2	151.8
129	88.4	74.3	111.5
131	85.8	71.0	106.6





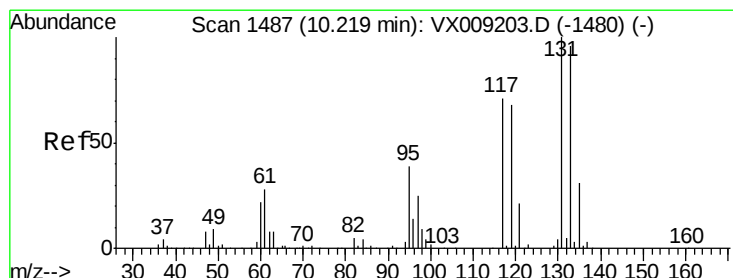
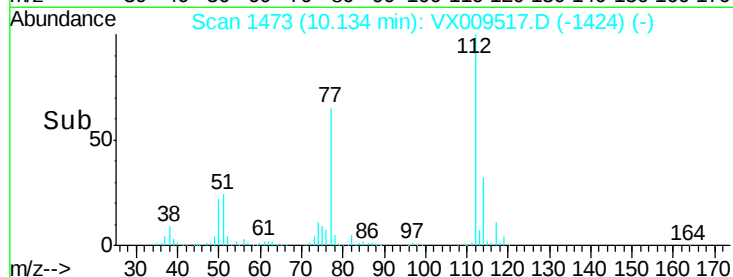
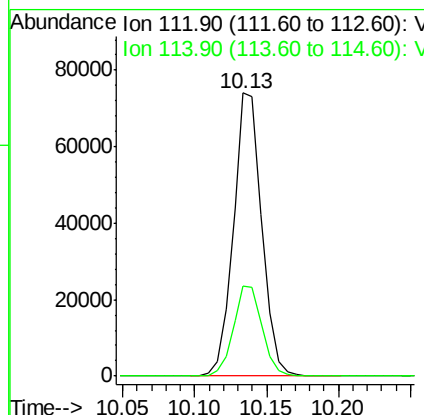
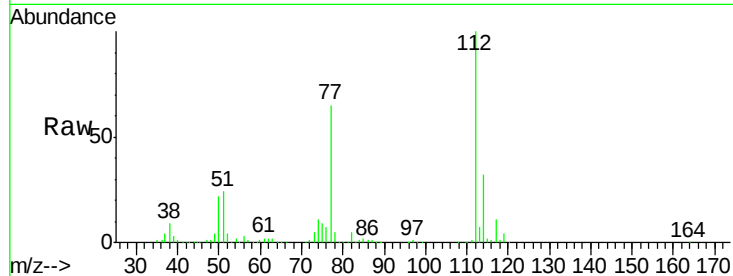
#65
Chlorobenzene
Concen: 21.290 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

Tgt Ion:112 Resp: 101684
Ion Ratio Lower Upper
112 100
114 31.8 25.5 38.3

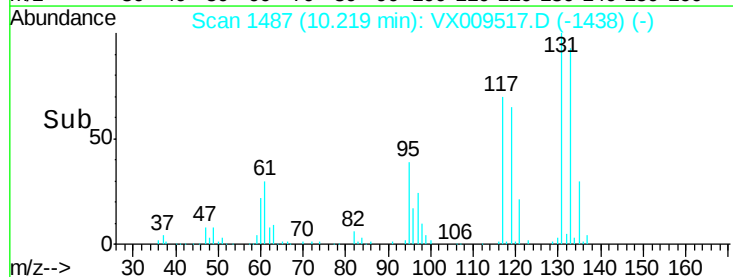
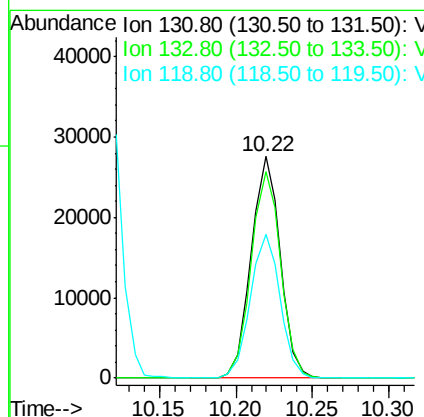
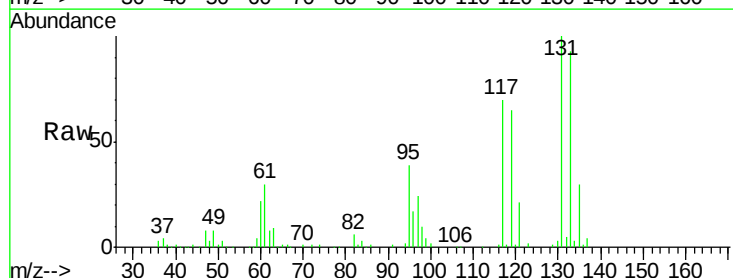
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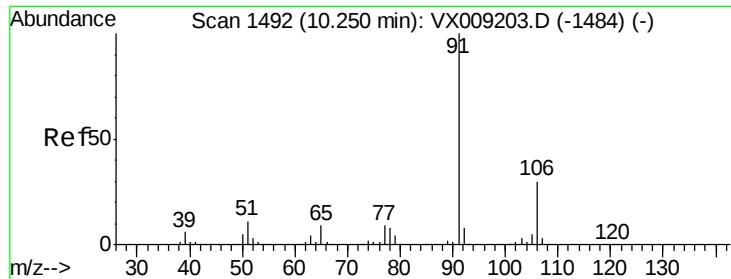
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.075 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion:131 Resp: 36492
Ion Ratio Lower Upper
131 100
133 94.9 47.7 143.1
119 66.3 33.5 100.4





#67

Ethyl Benzene

Concen: 21.512 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBS01

Tgt Ion: 91 Resp: 189084

Ion Ratio Lower Upper

91 100

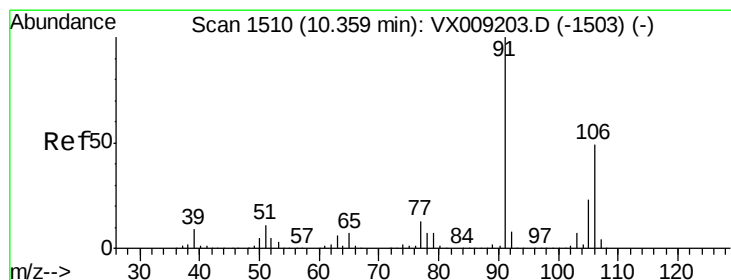
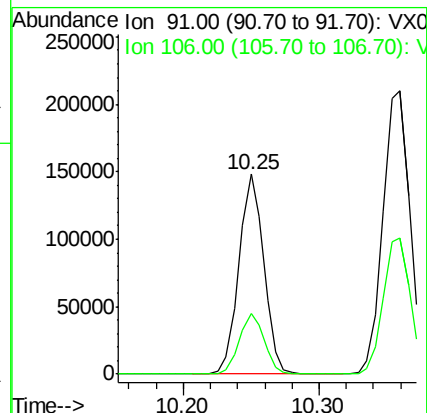
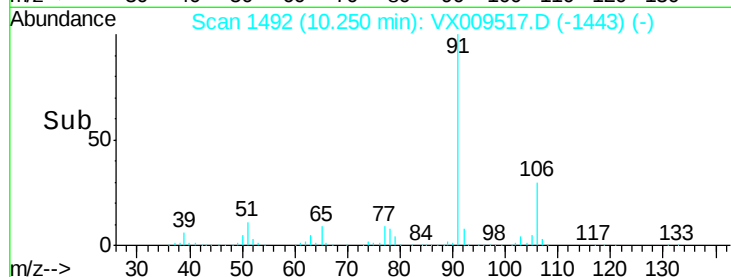
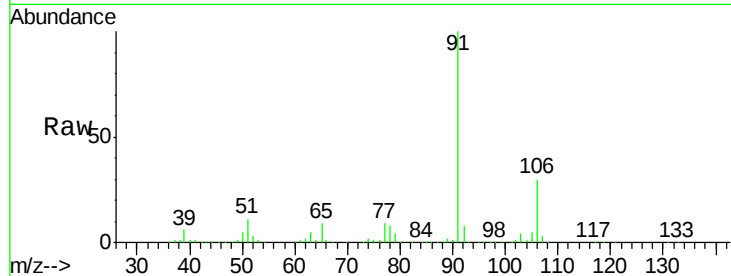
106 30.4 24.0 36.0

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5/16/2019 9:16:54 AM



#68

m/p-Xylenes

Concen: 43.625 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VX009517.D

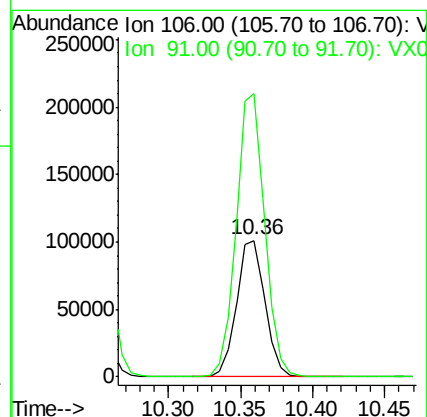
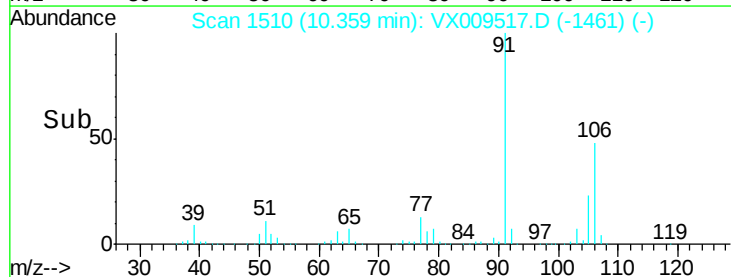
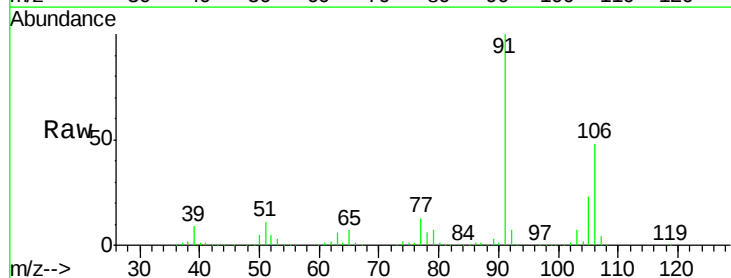
Acq: 11 May 2019 12:01

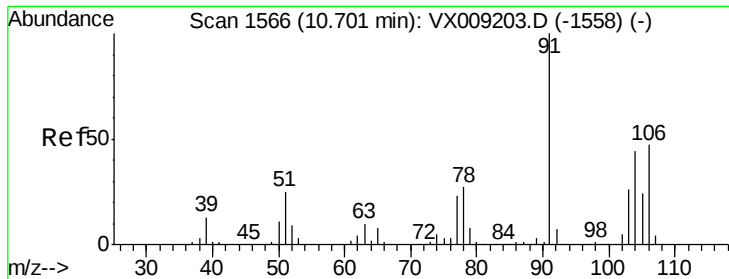
Tgt Ion: 106 Resp: 140125

Ion Ratio Lower Upper

106 100

91 207.5 164.0 246.0





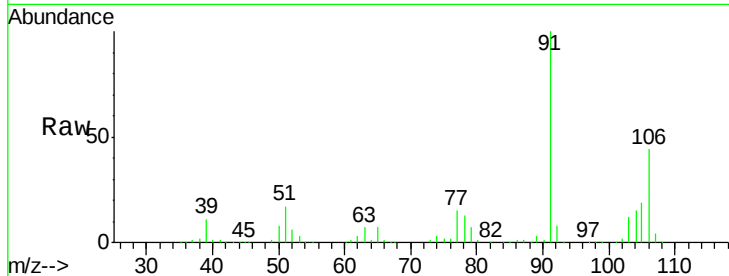
#69
o-Xylene
Concen: 21.433 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

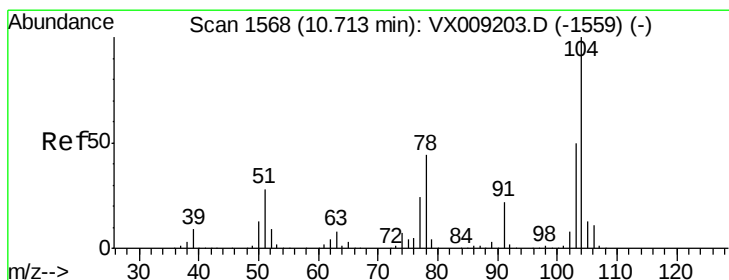
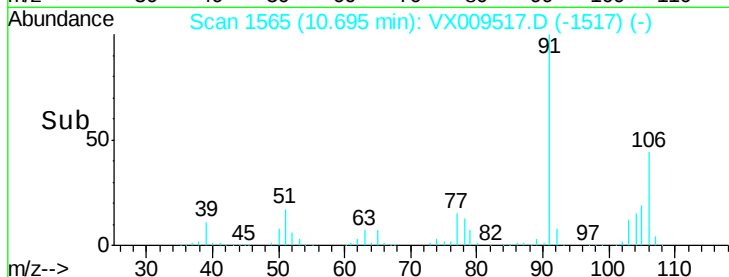
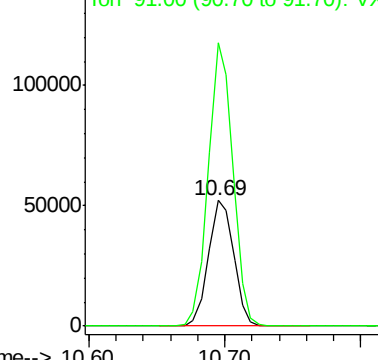
Tgt Ion:106 Resp: 67925
Ion Ratio Lower Upper
106 100
91 218.9 109.5 328.4

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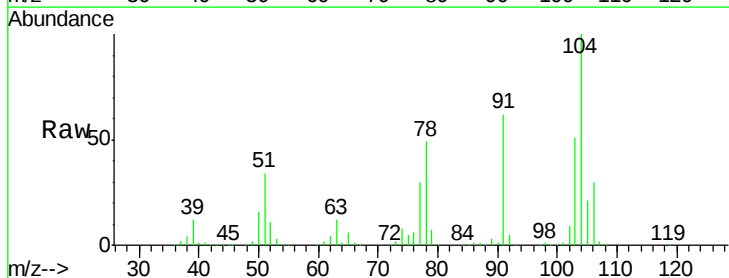


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

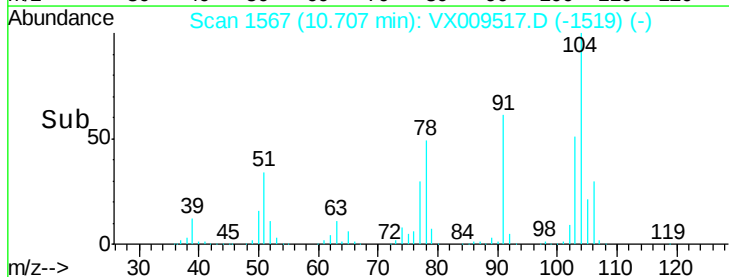
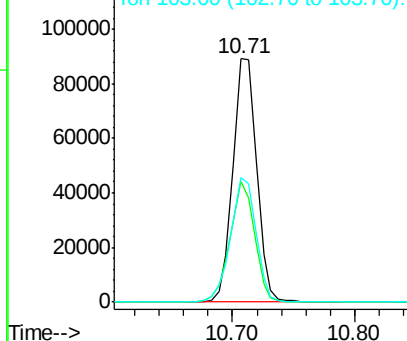


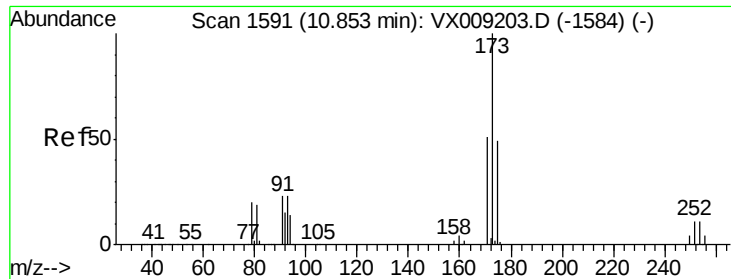
#70
Styrene
Concen: 21.752 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion:104 Resp: 119818
Ion Ratio Lower Upper
104 100
78 51.1 41.0 61.4
103 54.6 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.683 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBS01

Tgt Ion:173 Resp: 29103

Ion Ratio Lower Upper

173 100

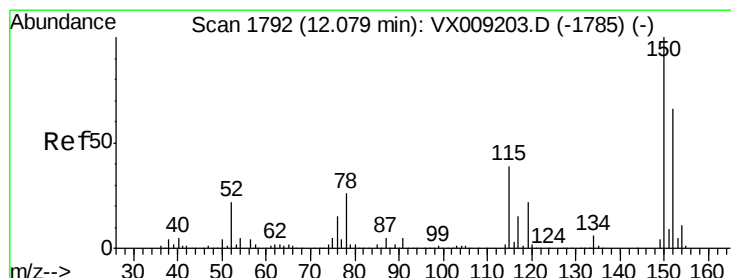
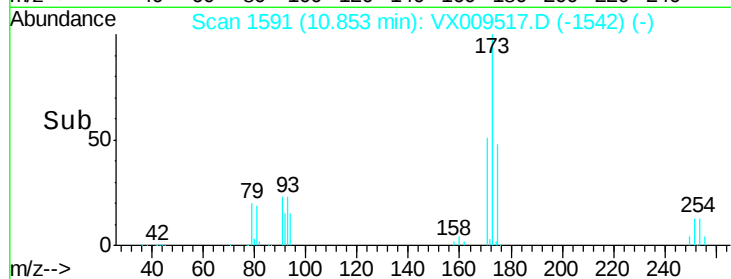
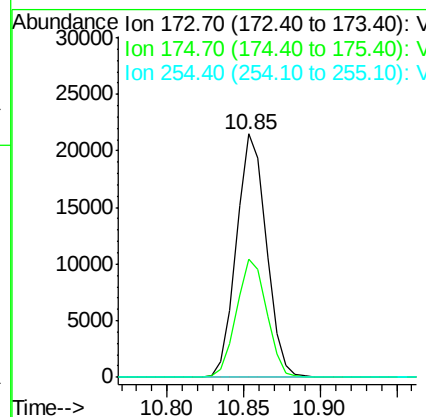
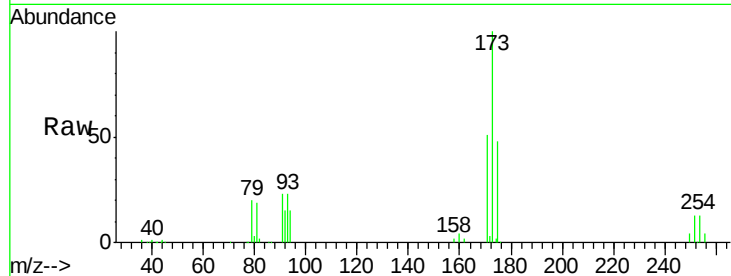
175 49.3 24.5 73.5

254 0.0 0.1 0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

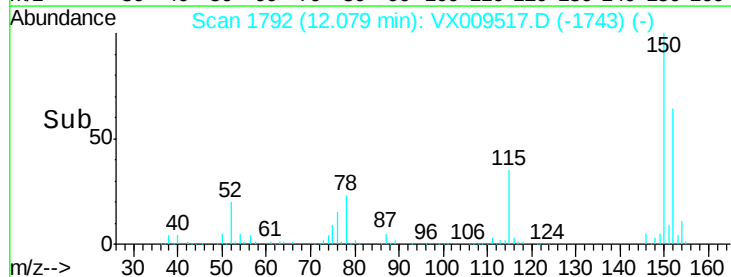
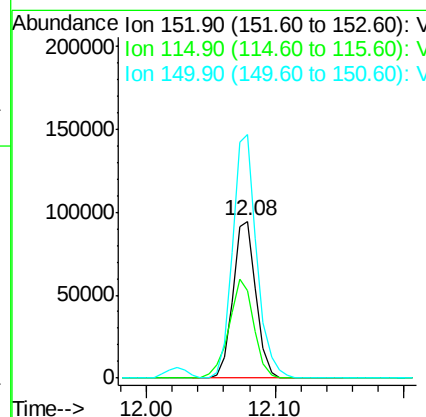
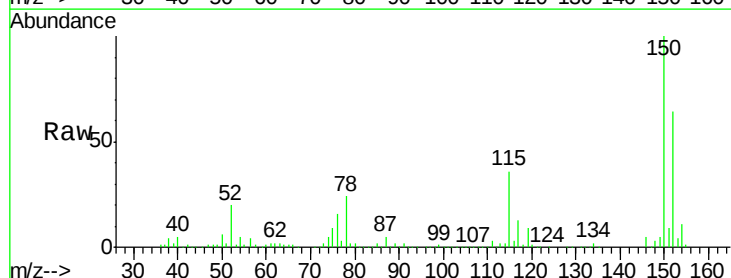
Tgt Ion:152 Resp: 118145

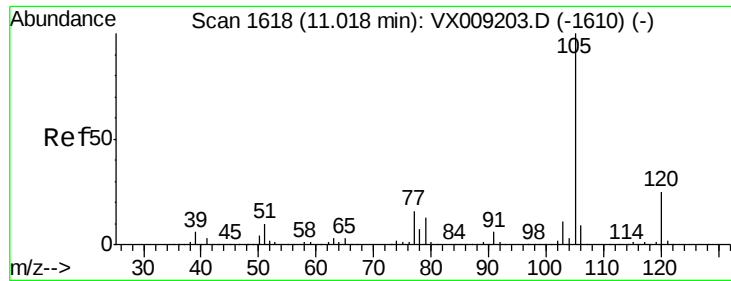
Ion Ratio Lower Upper

152 100

115 68.9 41.2 123.6

150 163.2 0.0 346.4





#73

Isopropylbenzene

Concen: 21.321 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBS01

Tgt Ion: 105 Resp: 183177

Ion Ratio Lower Upper

105 100

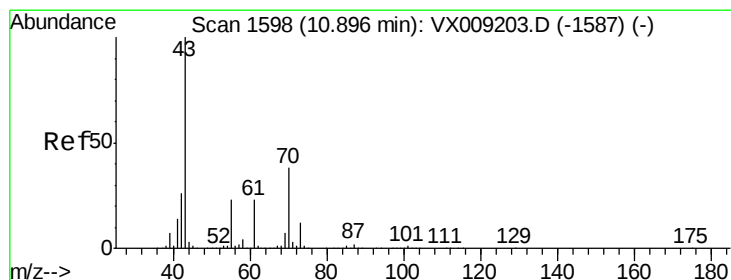
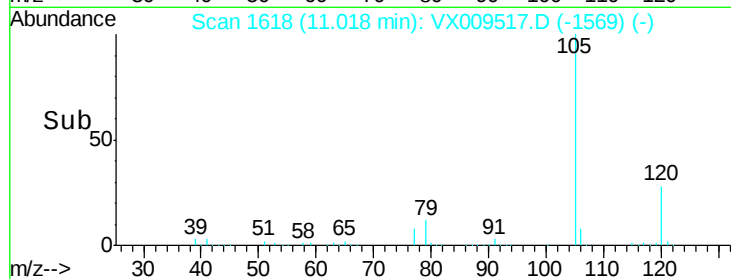
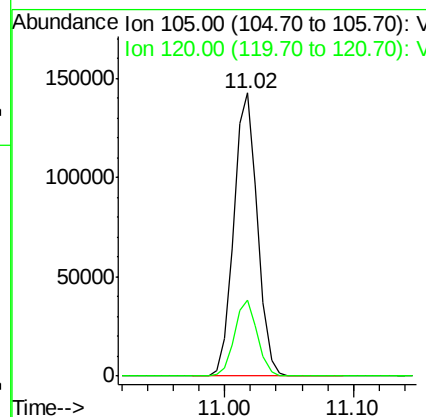
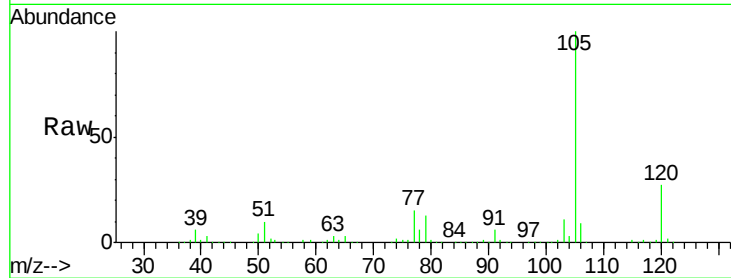
120 25.9 12.8 38.3

Manual Integrations

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#74

N-ethyl acetate

Concen: 20.890 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Tgt Ion: 43 Resp: 104636

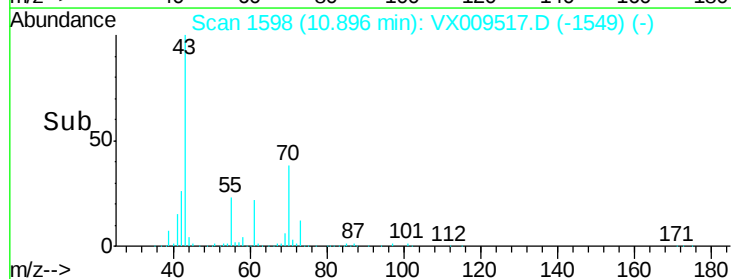
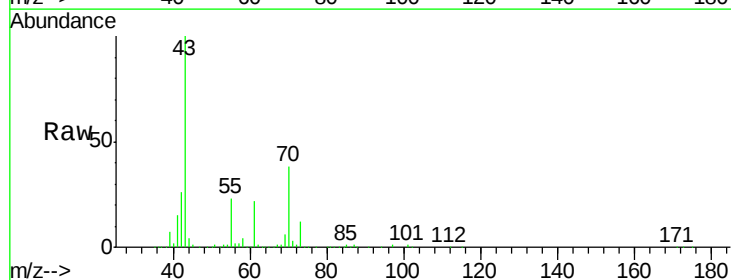
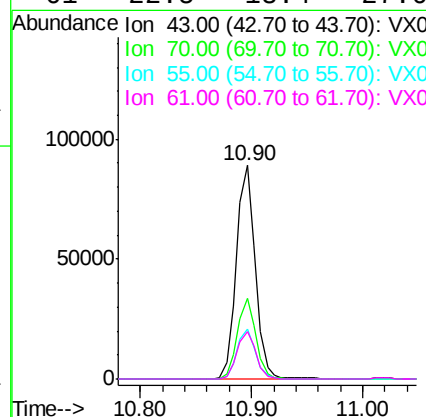
Ion Ratio Lower Upper

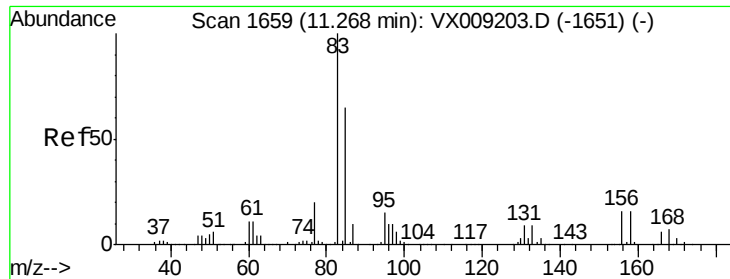
43 100

70 37.3 30.0 45.0

55 23.0 17.9 26.9

61 22.5 18.4 27.6





#75

1,1,2,2-Tetrachloroethane

Concen: 20.613 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

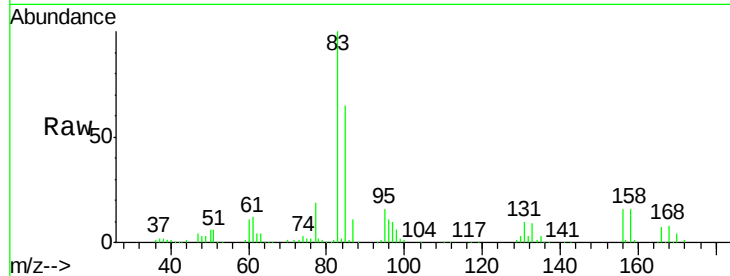
ClientSampleId :

VX0511WBS01

Tgt Ion:	83	Resp:	66019
Ion Ratio	Lower	Upper	
83	100		
131	9.7	4.6	13.8
85	64.4	32.0	96.2

Manual Integrations
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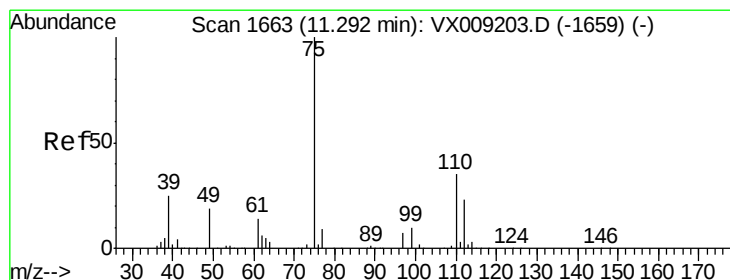
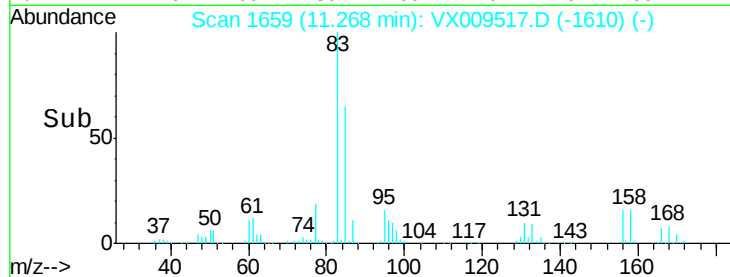
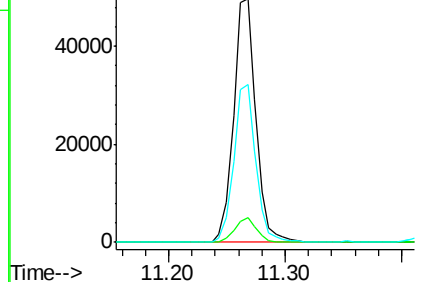
MMDadoda
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Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0



#76

1,2,3-Trichloropropane

Concen: 21.180 ug/l m

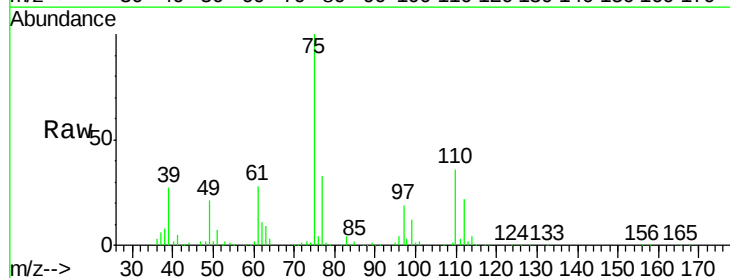
RT: 11.29 min Scan# 1663

Delta R.T. 0.00 min

Lab File: VX009517.D

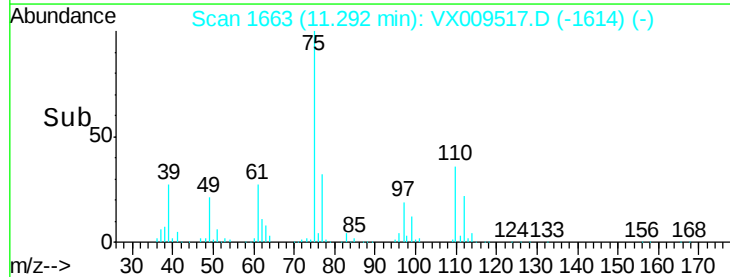
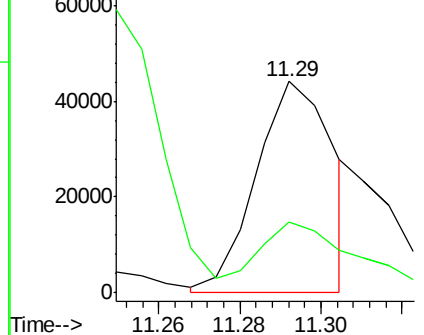
Acq: 11 May 2019 12:01

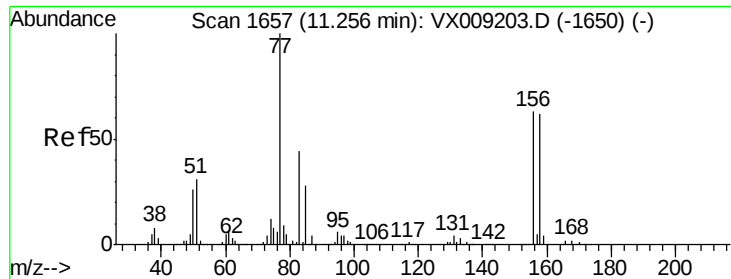
Tgt Ion:	75	Resp:	58044
Ion Ratio	Lower	Upper	
75	100		
77	42.8	22.1	66.1



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#77

Bromobenzene

Concen: 20.954 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

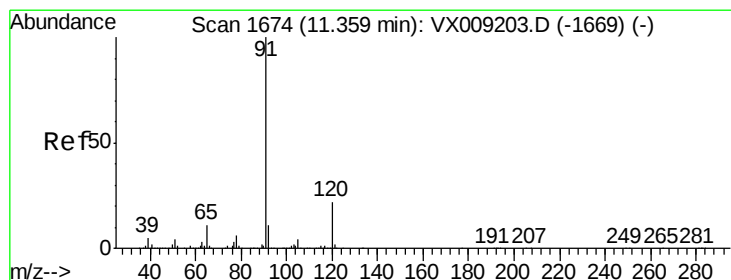
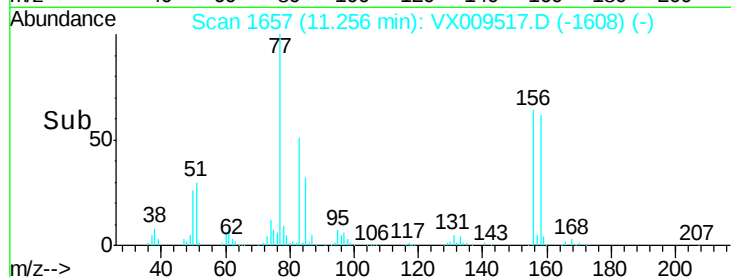
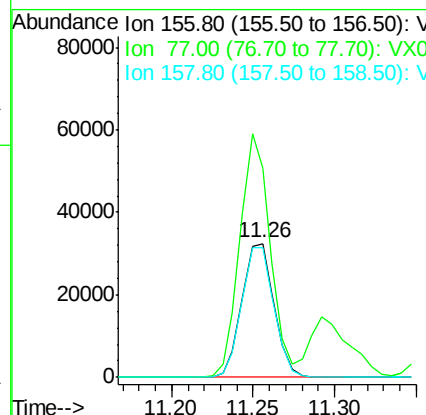
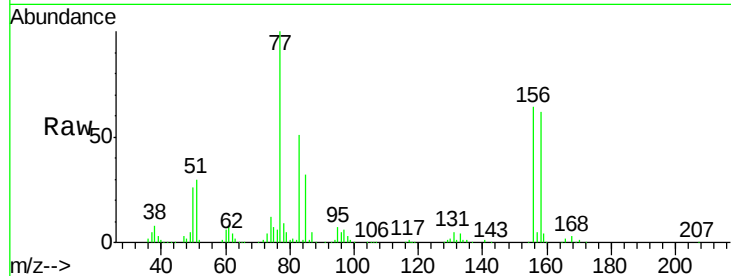
ClientSampleId :

VX0511WBS01

Tgt Ion	Ratio	Lower	Upper
156	100		
77	171.0	84.8	254.3
158	97.7	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 21.148 ug/l

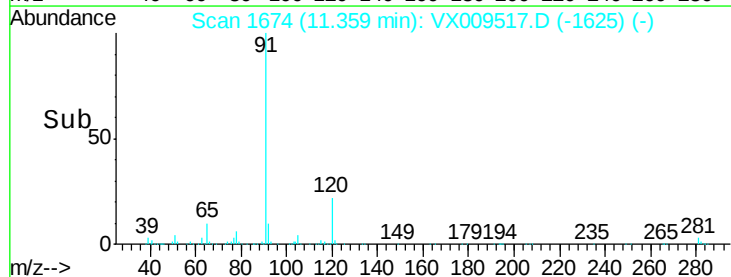
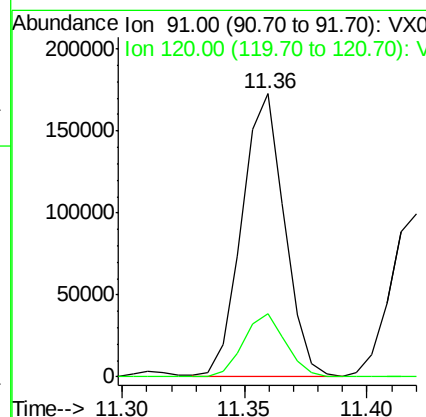
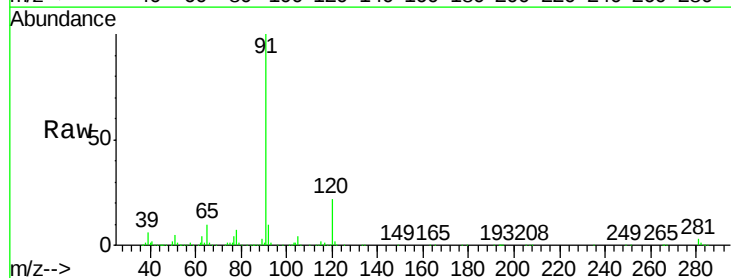
RT: 11.36 min Scan# 1674

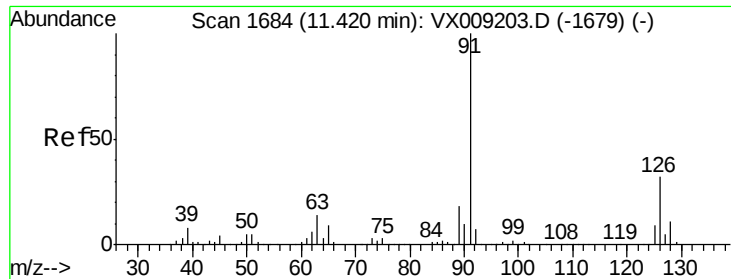
Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.0	33.0





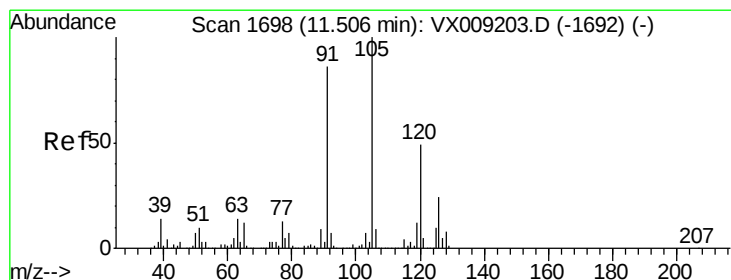
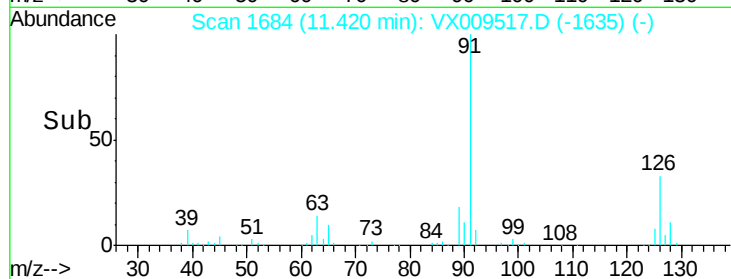
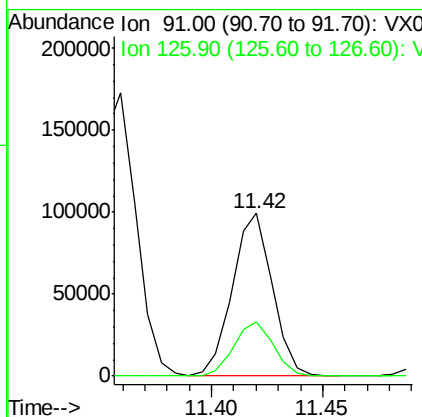
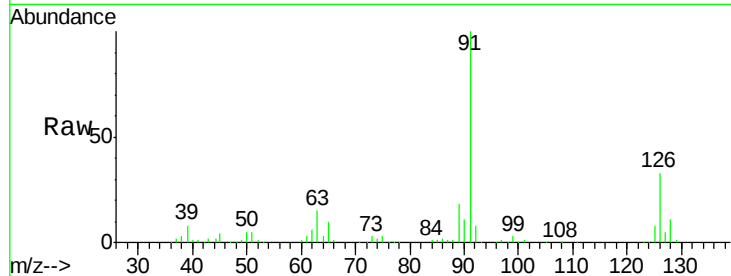
#79
 2-Chlorotoluene
 Concen: 20.349 ug/l
 RT: 11.42 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBS01

Tgt Ion: 91 Resp: 123181
 Ion Ratio Lower Upper
 91 100
 126 33.4 16.3 48.9

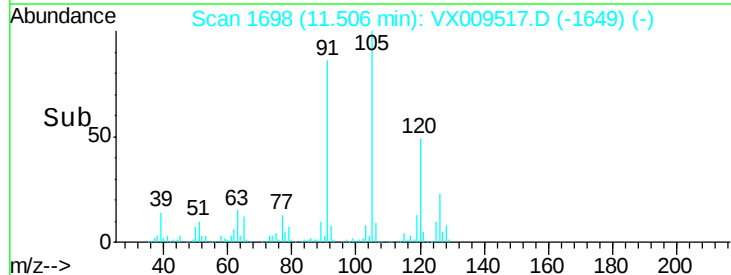
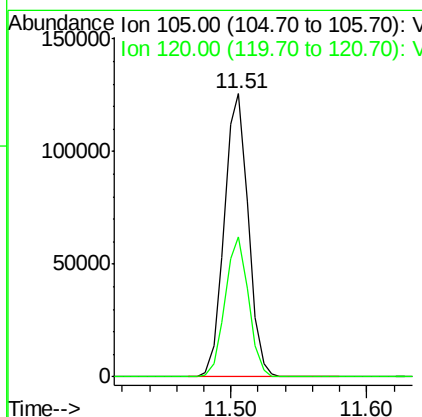
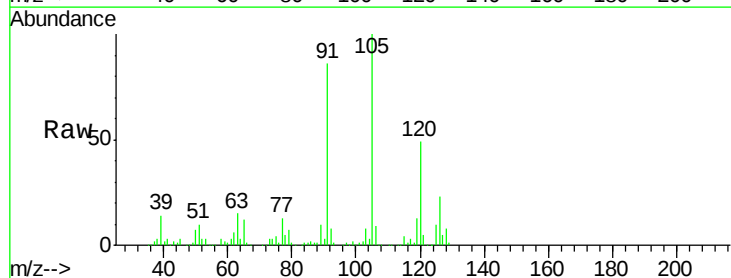
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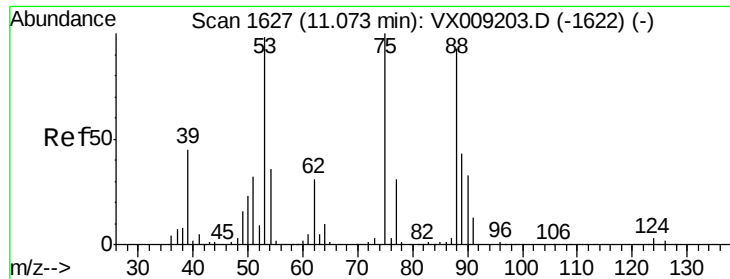
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#80
 1,3,5-Trimethylbenzene
 Concen: 21.244 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Tgt Ion: 105 Resp: 153676
 Ion Ratio Lower Upper
 105 100
 120 48.3 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 19.972 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

ClientSampleId :

VX0511WBS01

Tgt Ion: 75 Resp: 21392

Ion Ratio Lower Upper

75 100

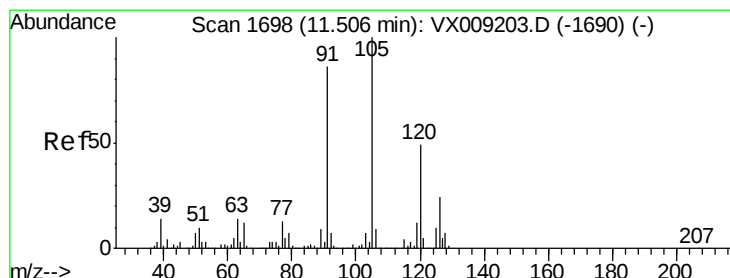
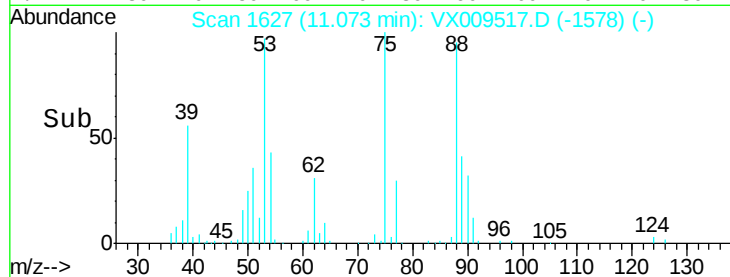
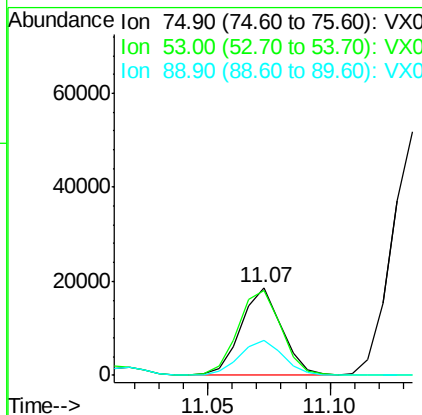
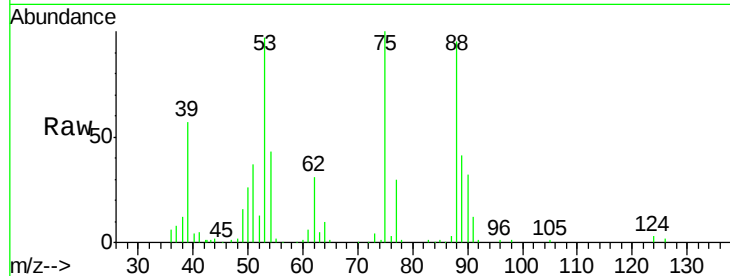
53 103.3 79.0 118.6

89 44.4 34.7 52.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 21.030 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX009517.D

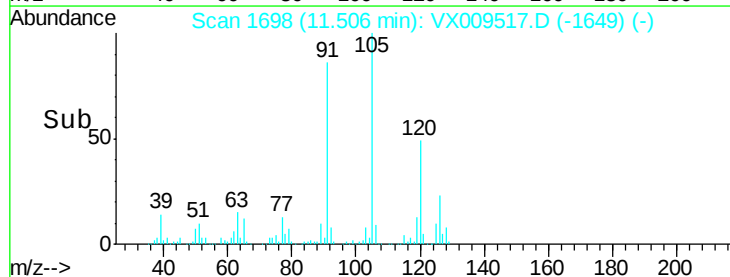
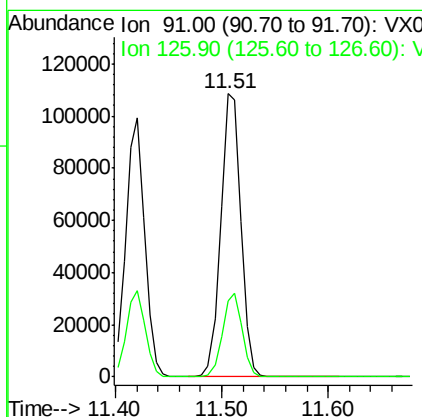
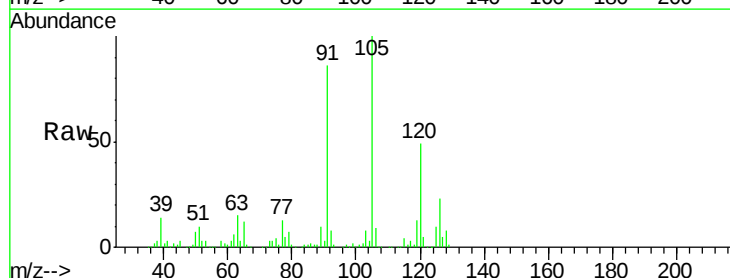
Acq: 11 May 2019 12:01

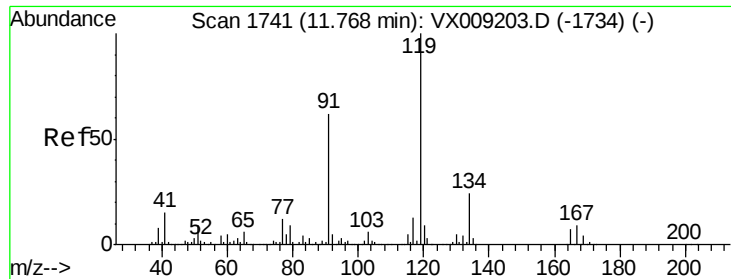
Tgt Ion: 91 Resp: 143814

Ion Ratio Lower Upper

91 100

126 28.5 14.5 43.6





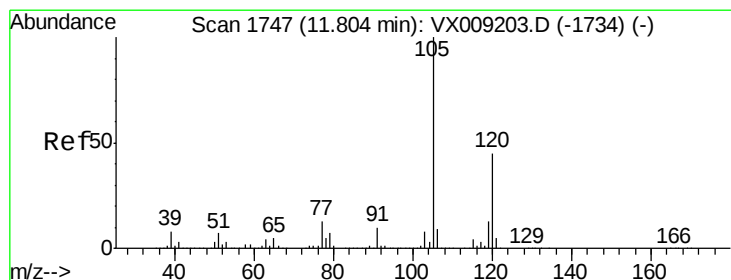
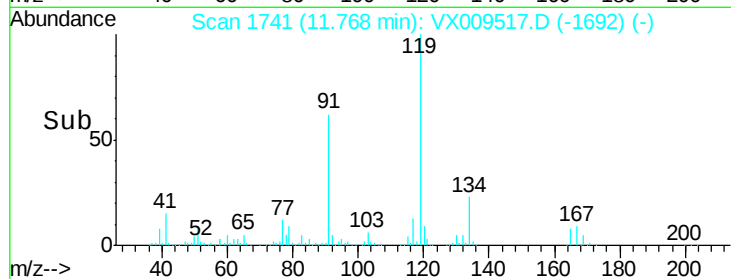
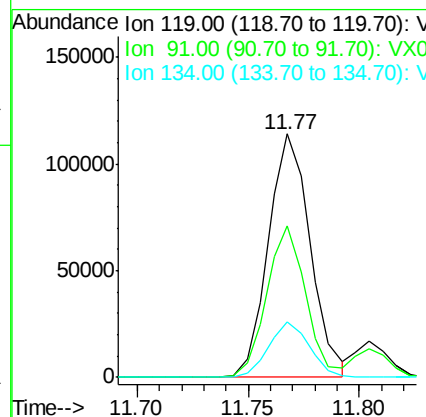
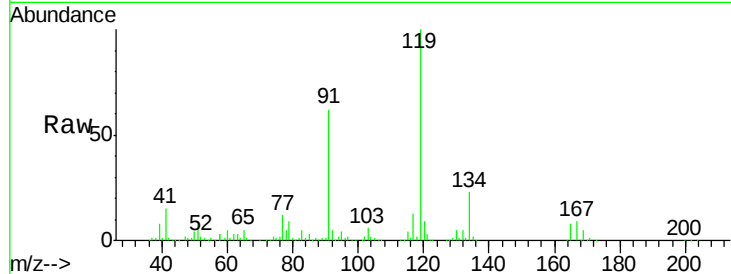
#83
 tert-Butylbenzene
 Concen: 21.132 ug/l
 RT: 11.77 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	148707		
91	58.5	29.5	88.5	
134	22.2	11.4	34.1	

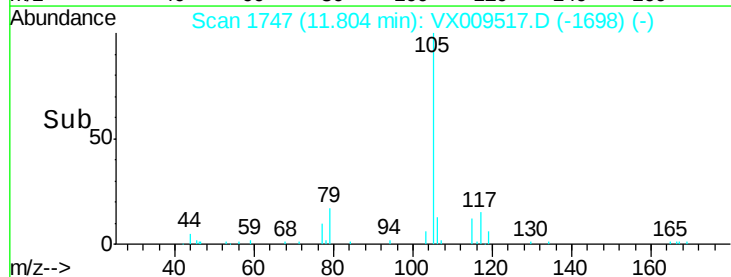
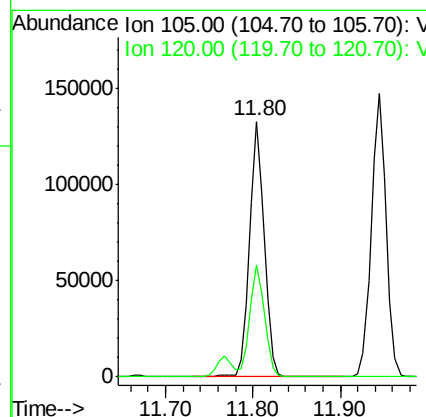
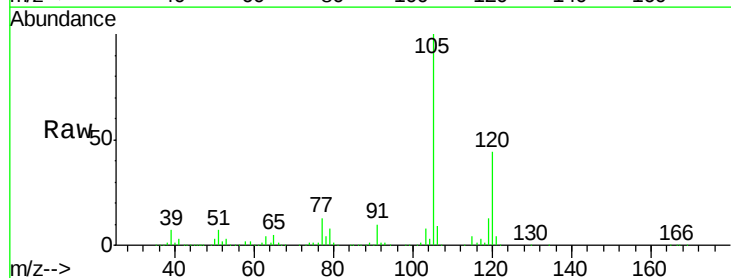
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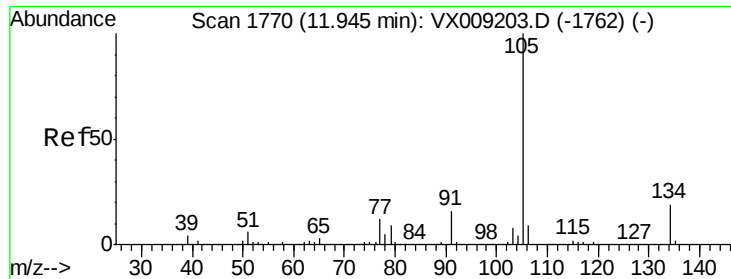
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.352 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	155039		
120	44.4	22.0	66.0	





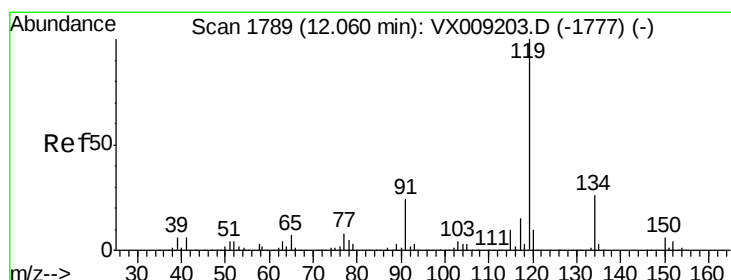
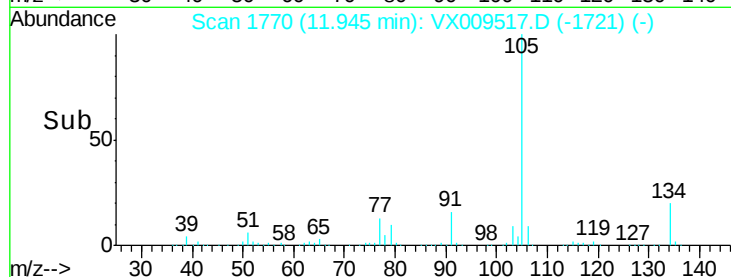
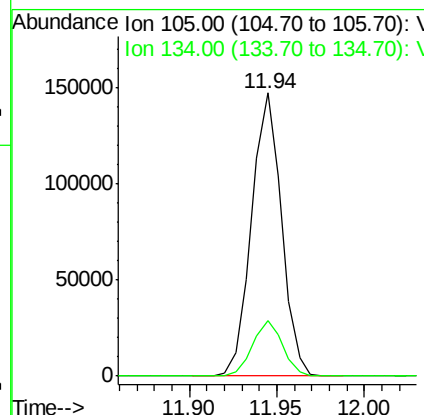
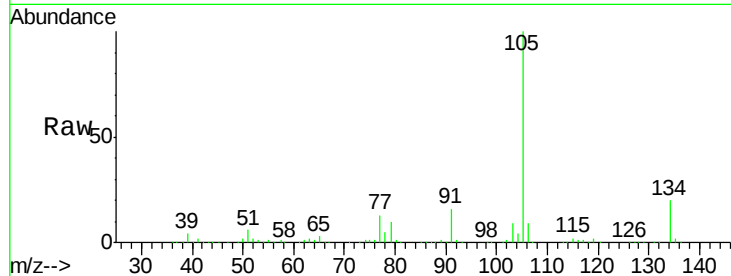
#85
 sec-Butylbenzene
 Concen: 20.965 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBS01

Tgt Ion:105 Resp: 174913
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.7 28.9

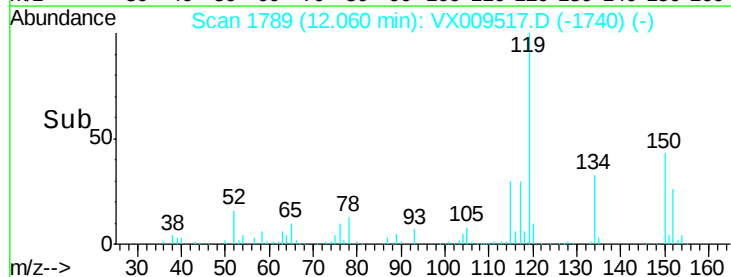
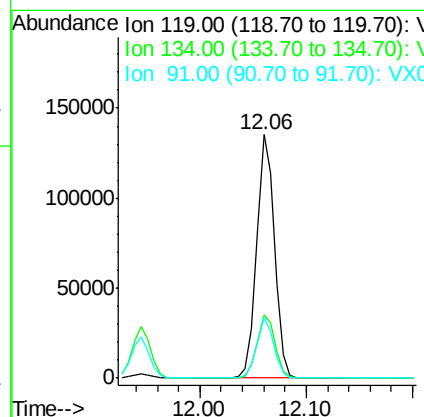
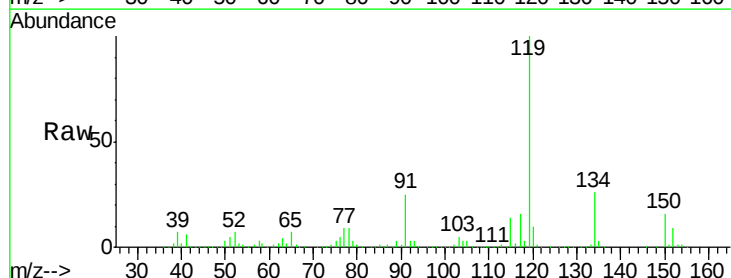
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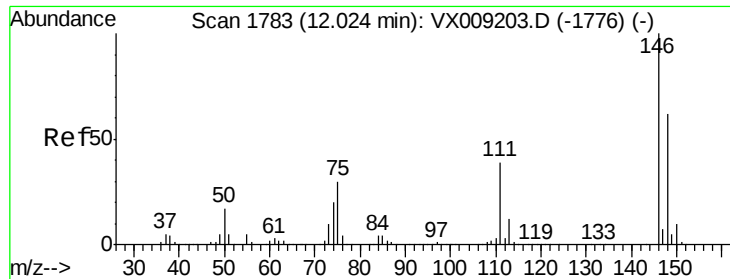
MMDadoda
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#86
 p-Isopropyltoluene
 Concen: 21.282 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Tgt Ion:119 Resp: 159625
 Ion Ratio Lower Upper
 119 100
 134 26.2 12.9 38.7
 91 23.9 11.8 35.4





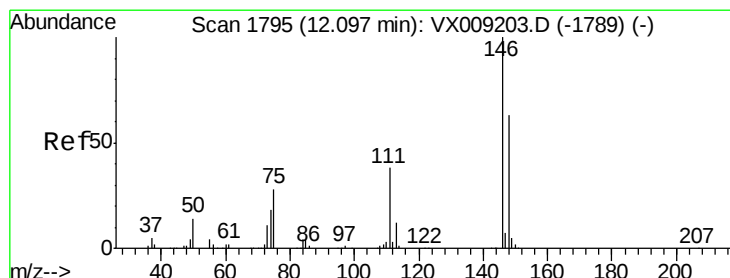
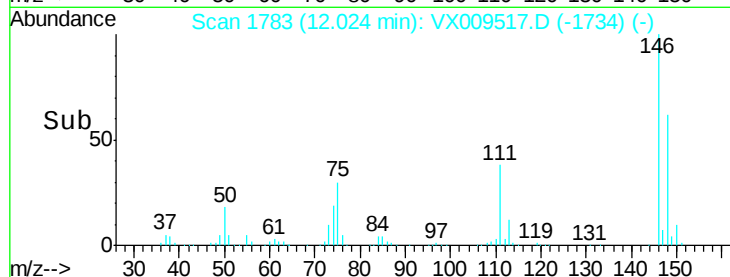
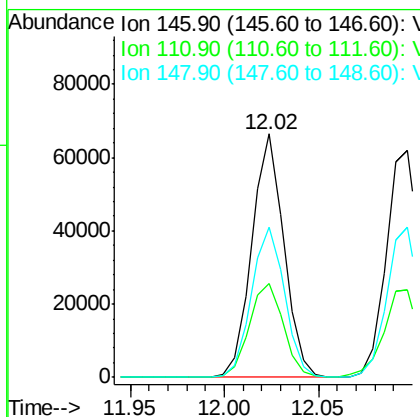
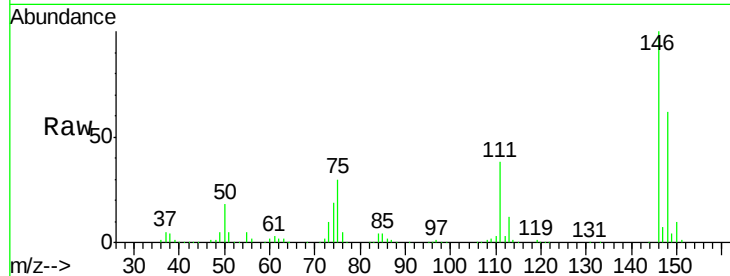
#87
 1,3-Dichlorobenzene
 Concen: 20.701 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0511WBS01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.0	59.9
148	63.8	31.8	95.3

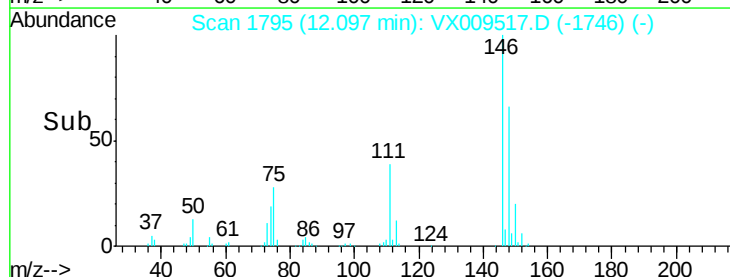
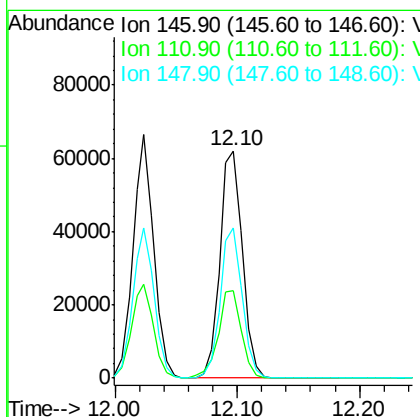
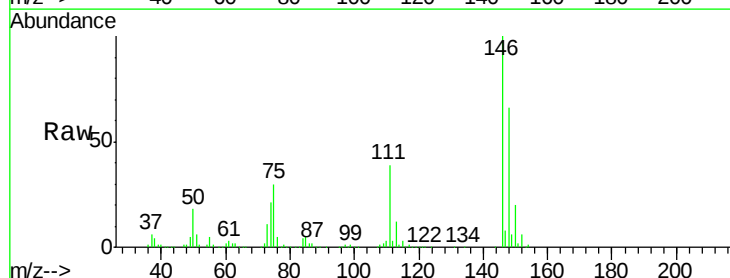
Manual Integrations
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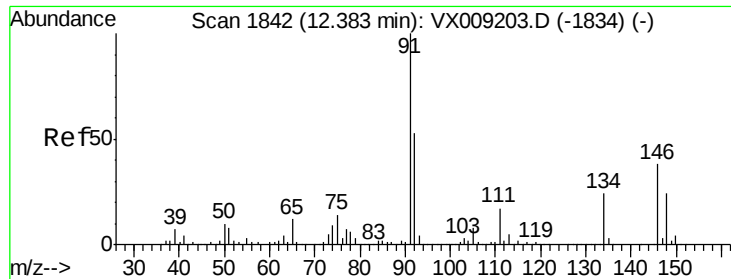
MMDadoda
 5/16/2019 9:16:54 AM



#88
 1,4-Dichlorobenzene
 Concen: 20.703 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. 0.00 min
 Lab File: VX009517.D
 Acq: 11 May 2019 12:01

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.6	58.8
148	64.6	31.8	95.3





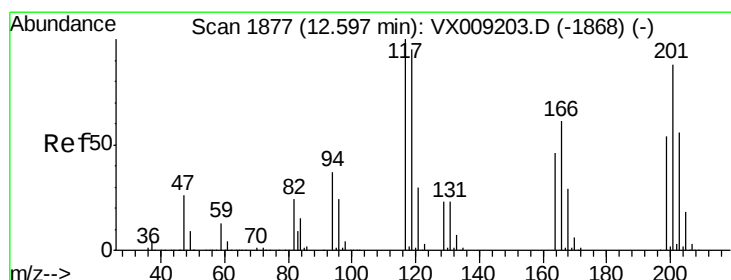
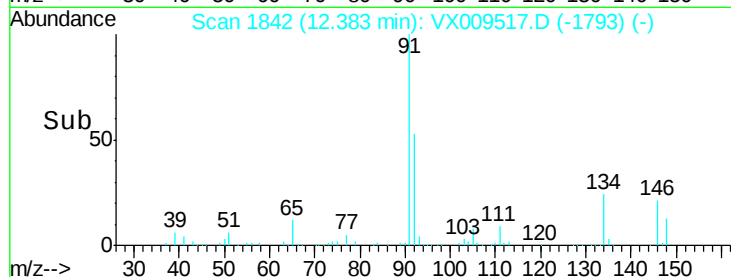
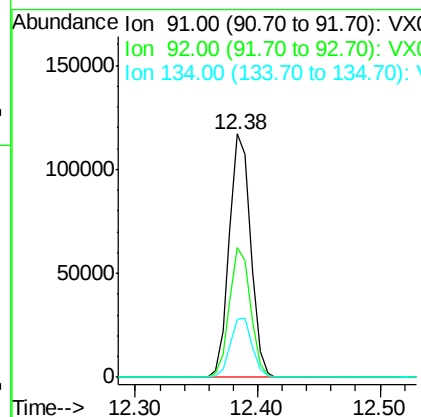
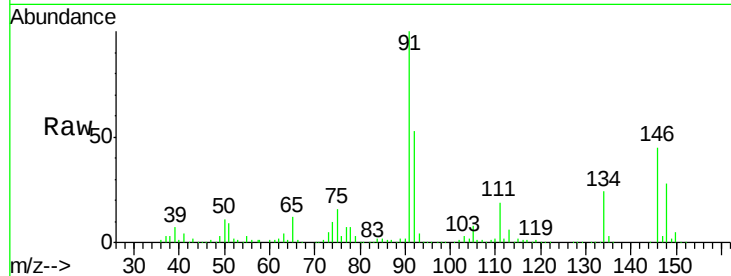
#89
n-Butylbenzene
Concen: 20.870 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

Tgt Ion: 91 Resp: 141482
Ion Ratio Lower Upper
91 100
92 52.6 26.5 79.5
134 24.8 12.4 37.2

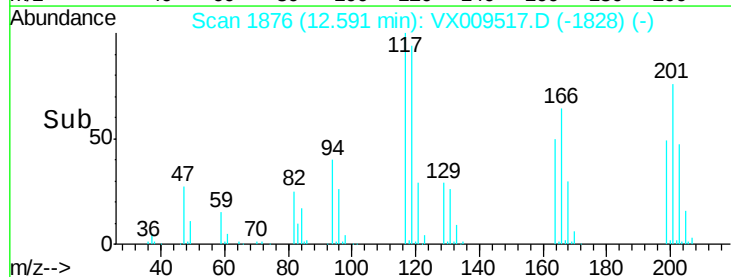
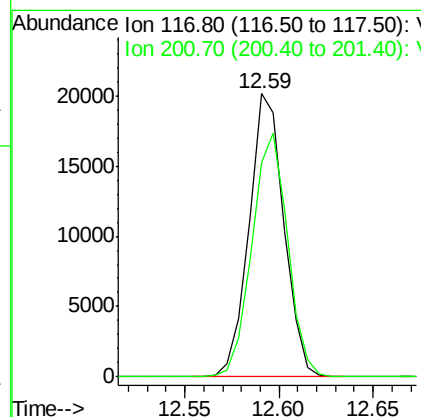
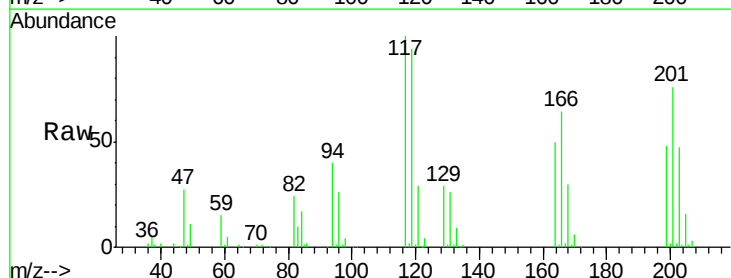
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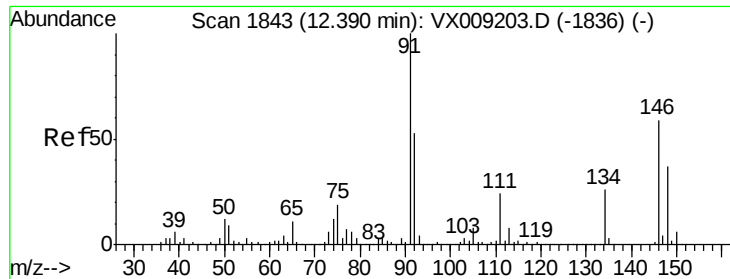
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5/16/2019 9:16:54 AM



#90
Hexachloroethane
Concen: 20.220 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion: 117 Resp: 25838
Ion Ratio Lower Upper
117 100
201 87.7 42.3 126.9





#91

1,2-Dichlorobenzene

Concen: 20.625 ug/l

RT: 12.39 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Instrument :

MSVOA_X

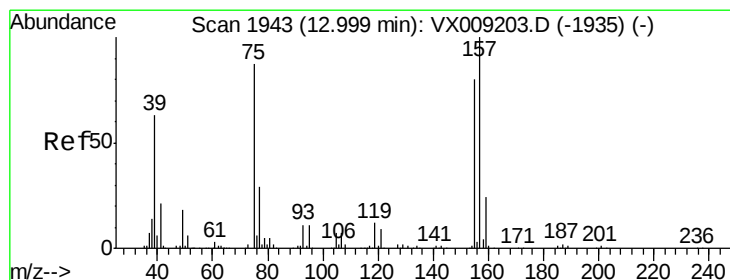
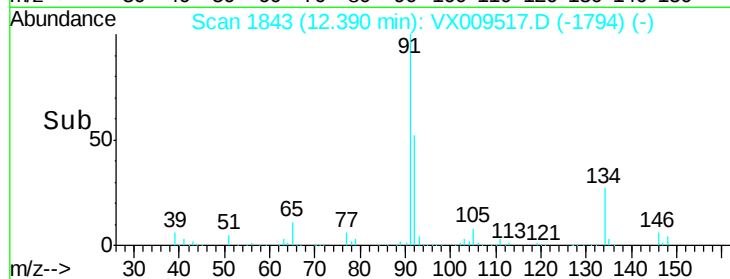
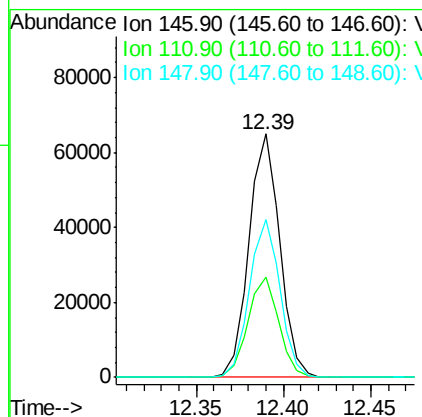
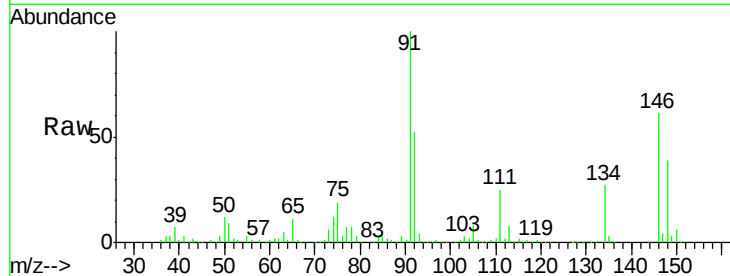
ClientSampleId :

VX0511WBS01

Tgt Ion:	146	Resp:	79859
Ion Ratio	Lower	Upper	
146	100		
111	41.4	20.8	62.4
148	64.7	31.9	95.9

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#92

1,2-Dibromo-3-Chloropropane

Concen: 21.262 ug/l

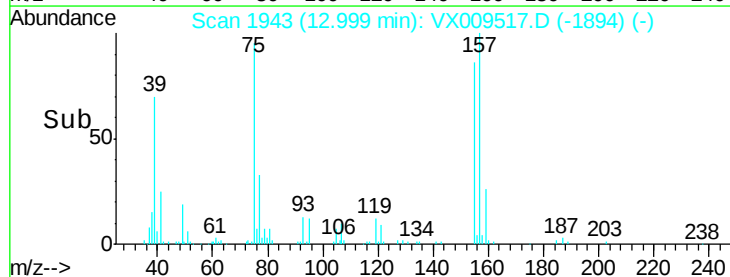
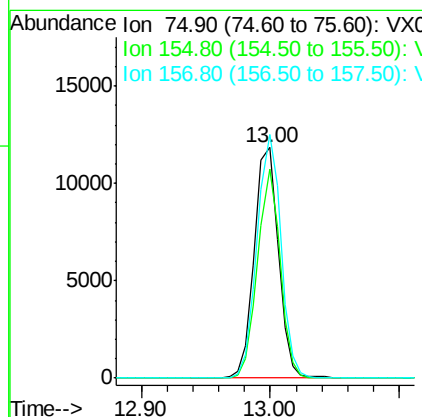
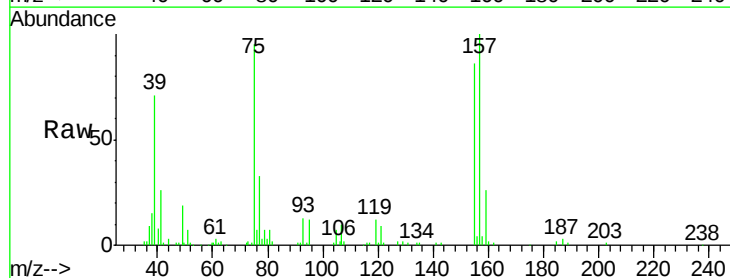
RT: 13.00 min Scan# 1943

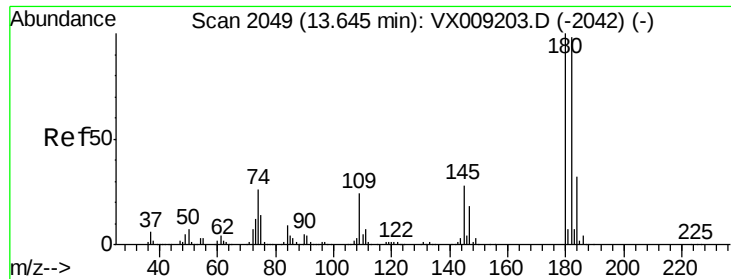
Delta R.T. 0.00 min

Lab File: VX009517.D

Acq: 11 May 2019 12:01

Tgt Ion:	75	Resp:	15276
Ion Ratio	Lower	Upper	
75	100		
155	84.3	42.0	126.0
157	103.8	53.2	159.6





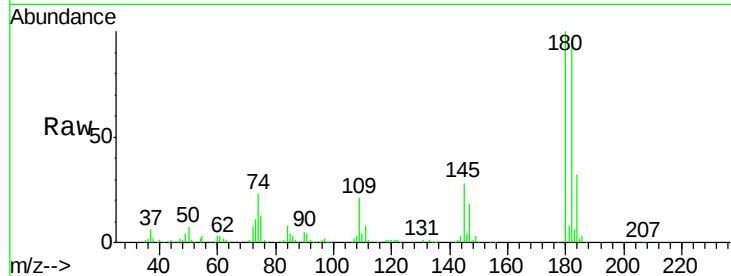
#93
1,2,4-Trichlorobenzene
Concen: 21.045 ug/l
RT: 13.65 min Scan# 2049
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

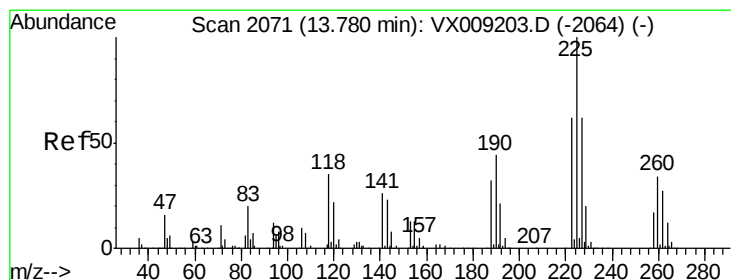
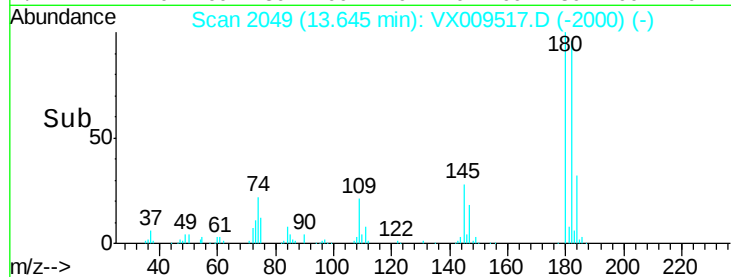
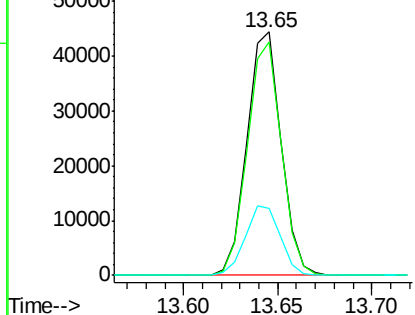
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.4	145.2
145	29.2	14.6	43.8

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5/16/2019 9:16:54 AM

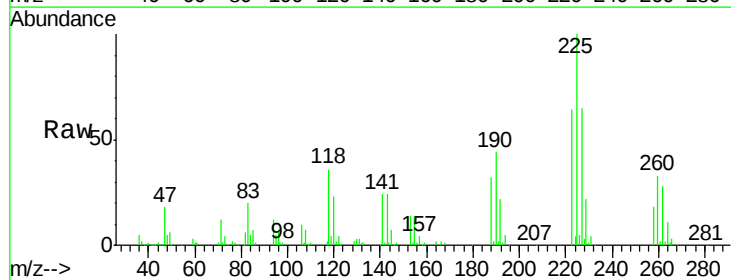


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

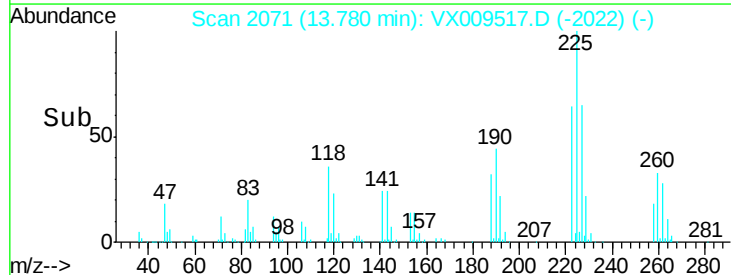
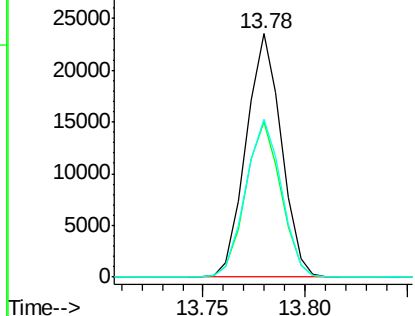


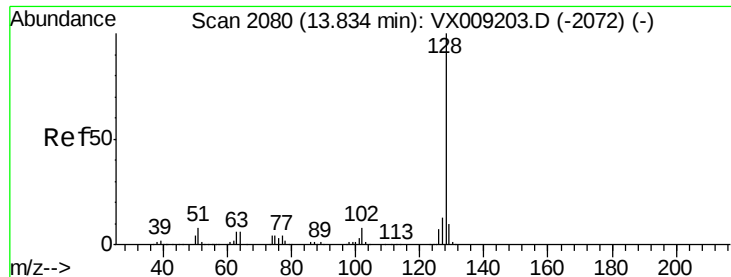
#94
Hexachlorobutadiene
Concen: 20.905 ug/l
RT: 13.78 min Scan# 2071
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	31.3	93.8
227	65.8	31.8	95.3



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





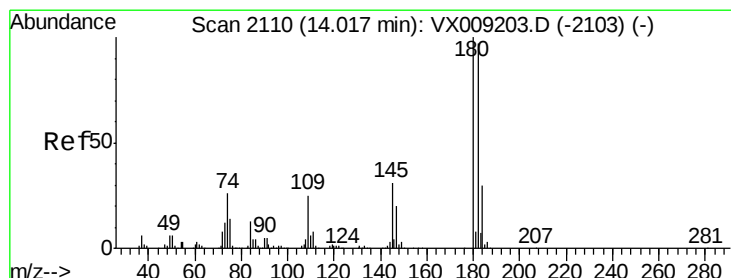
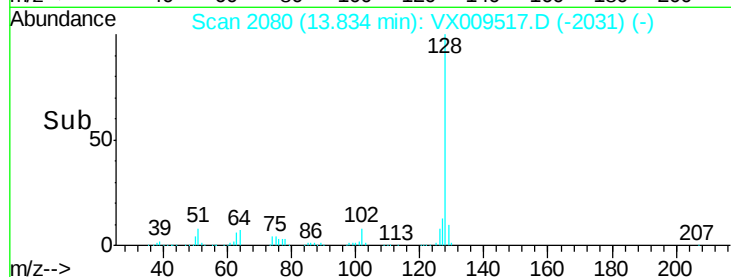
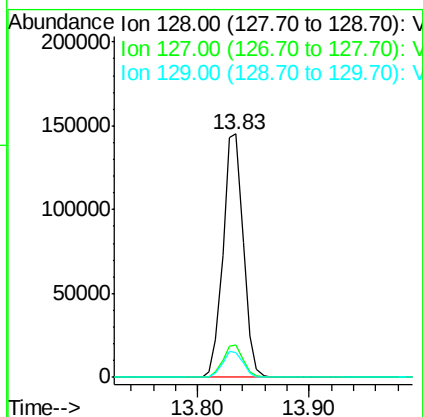
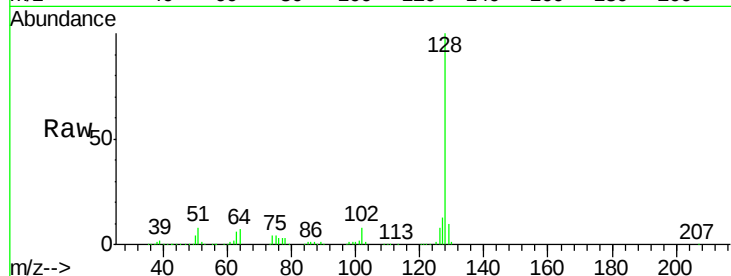
#95
Naphthalene
Concen: 21.254 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Instrument :
MSVOA_X
ClientSampleId :
VX0511WBS01

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	183091		
127	13.3	10.4	15.6	
129	10.8	8.6	13.0	

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5/16/2019 9:16:54 AM



#96
1,2,3-Trichlorobenzene
Concen: 21.606 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. 0.00 min
Lab File: VX009517.D
Acq: 11 May 2019 12:01

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	57989		
182	95.6	47.8	143.4	
145	30.6	15.4	46.4	

