

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX051019\
 Data File : VX009486.D
 Acq On : 10 May 2019 17:19
 Operator : JC/SP
 Sample : VX0510WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/11/2019 11:52:56 AM

Quant Time: May 11 03:42:08 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	165797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	256909	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	230966	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	114651	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	111802	49.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.80%	
35) Dibromofluoromethane	5.49	113	82814	51.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.56%	
50) Toluene-d8	8.71	98	333388	51.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.26%	
62) 4-Bromofluorobenzene	11.13	95	121099	51.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.20	85	29700	19.439	ug/l	99
3) Chloromethane	1.32	50	42382	20.318	ug/l	97
4) Vinyl Chloride	1.40	62	42414	20.852	ug/l	99
5) Bromomethane	1.64	94	25369	20.780	ug/l	98
6) Chloroethane	1.72	64	26857	20.566	ug/l	96
7) Trichlorofluoromethane	1.93	101	53580	21.671	ug/l	97
8) Diethyl Ether	2.18	74	24585	20.992	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.38	101	33395	21.509	ug/l	100
10) Methyl Iodide	2.51	142	34419	21.920	ug/l	99
11) Tert butyl alcohol	3.04	59	50992	97.331	ug/l	98
12) 1,1-Dichloroethene	2.37	96	32764	21.061	ug/l	94
13) Acrolein	2.29	56	39134	82.480	ug/l	99
14) Allyl chloride	2.73	41	77397	20.415	ug/l	100
15) Acrylonitrile	3.14	53	128443	100.269	ug/l	99
16) Acetone	2.44	43	129573	106.617	ug/l	98
17) Carbon Disulfide	2.57	76	91749	21.007	ug/l	98
18) Methyl Acetate	2.77	43	55395	19.166	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	124932	20.681	ug/l	100
20) Methylene Chloride	2.85	84	39763	20.207	ug/l	98
21) trans-1,2-Dichloroethene	3.16	96	35801	21.220	ug/l	98
22) Diisopropyl ether	3.85	45	150158	20.596	ug/l	# 87
23) Vinyl Acetate	3.81	43	669527	107.241	ug/l	100
24) 1,1-Dichloroethane	3.70	63	74183	20.626	ug/l	100
25) 2-Butanone	4.67	43	196974	104.298	ug/l	99
26) 2,2-Dichloropropane	4.58	77	54978	20.536	ug/l	99
27) cis-1,2-Dichloroethene	4.59	96	41683	20.699	ug/l	100
28) Bromochloromethane	5.01	49	25920	16.041	ug/l	100
29) Tetrahydrofuran	5.12	42	125070	102.914	ug/l	99
30) Chloroform	5.21	83	69093	21.240	ug/l	99
31) Cyclohexane	5.58	56	72091	21.544	ug/l	99
32) 1,1,1-Trichloroethane	5.49	97	56095	20.715	ug/l	99
36) 1,1-Dichloropropene	5.80	75	51850	21.717	ug/l	99
37) Ethyl Acetate	4.83	43	71755	21.571	ug/l	100
38) Carbon Tetrachloride	5.78	117	46471	21.423	ug/l	96

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 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	68219	23.267	ug/l	98
40) Benzene	6.14	78	160244	21.687	ug/l	99
41) Methacrylonitrile	5.04	41	40677	20.542	ug/l	97
42) 1,2-Dichloroethane	6.19	62	57742	21.785	ug/l	99
43) Isopropyl Acetate	6.44	43	113276	21.289	ug/l	100
44) Trichloroethene	7.21	130	38254	21.416	ug/l	99
45) 1,2-Dichloropropane	7.51	63	45590	21.790	ug/l	98
46) Dibromomethane	7.66	93	26009	21.407	ug/l	100
47) Bromodichloromethane	7.90	83	51234	21.140	ug/l	98
48) Methyl methacrylate	7.77	41	57378	21.736	ug/l	98
49) 1,4-Dioxane	7.74	88	22176	414.232	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	371691	106.874	ug/l	100
52) Toluene	8.78	92	97932	21.804	ug/l	99
53) t-1,3-Dichloropropene	9.04	75	57605	21.053	ug/l	97
54) cis-1,3-Dichloropropene	8.43	75	65289	21.558	ug/l	98
55) 1,1,2-Trichloroethane	9.21	97	39264	21.428	ug/l	97
56) Ethyl methacrylate	9.18	69	69966	21.390	ug/l	99
57) 1,3-Dichloropropane	9.37	76	69209	21.463	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.31	63	166645	96.037	ug/l	99
59) 2-Hexanone	9.49	43	292196	106.975	ug/l	98
60) Dibromochloromethane	9.58	129	38541	21.535	ug/l	99
61) 1,2-Dibromoethane	9.67	107	40109	21.684	ug/l	99
64) Tetrachloroethene	9.33	164	35399	22.343	ug/l	98
65) Chlorobenzene	10.13	112	100293	21.707	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.22	131	36269	21.652	ug/l	99
67) Ethyl Benzene	10.25	91	187887	22.096	ug/l	99
68) m/p-Xylenes	10.36	106	139481	44.888	ug/l	100
69) o-Xylene	10.69	106	68392	22.308	ug/l	96
70) Styrene	10.71	104	116486	21.860	ug/l	99
71) Bromoform	10.85	173	28170	20.694	ug/l #	99
73) Isopropylbenzene	11.02	105	183306	21.986	ug/l	99
74) N-amyl acetate	10.90	43	102574	21.103	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	64262	20.676	ug/l	99
76) 1,2,3-Trichloropropane	11.29	75	56065m	21.081	ug/l	
77) Bromobenzene	11.26	156	44115	21.318	ug/l	100
78) n-propylbenzene	11.36	91	210489	22.106	ug/l	99
79) 2-Chlorotoluene	11.42	91	124196	21.142	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	153457	21.860	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	21076	20.277	ug/l	96
82) 4-Chlorotoluene	11.51	91	144106	21.715	ug/l	99
83) tert-Butylbenzene	11.77	119	146685	21.480	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	155782	22.108	ug/l	99
85) sec-Butylbenzene	11.94	105	178432	22.039	ug/l	99
86) p-Isopropyltoluene	12.06	119	161790	22.228	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	79561	21.567	ug/l	100
88) 1,4-Dichlorobenzene	12.10	146	79329	21.330	ug/l	98
89) n-Butylbenzene	12.38	91	145336	22.092	ug/l	100
90) Hexachloroethane	12.59	117	26011	20.976	ug/l	95
91) 1,2-Dichlorobenzene	12.39	146	79796	21.237	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14696	21.078	ug/l	98

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VX0510WBS02

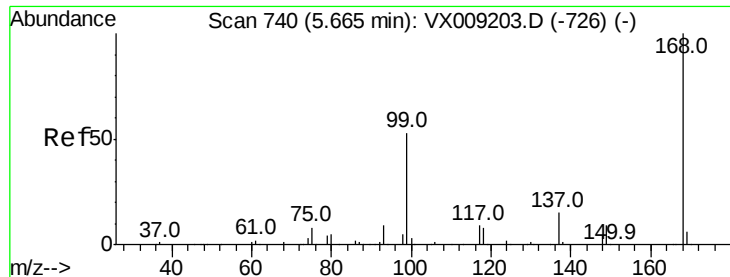
Manual Integrations
APPROVED

MMDadoda
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	58141	22.628	ug/l	97
94) Hexachlorobutadiene	13.78	225	29249	22.292	ug/l	99
95) Naphthalene	13.83	128	185893	22.237	ug/l	100
96) 1,2,3-Trichlorobenzene	14.02	180	59111	22.695	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS02

Tot Ion:168 Resp: 165797

Ion Ratio Lower Upper

168 100

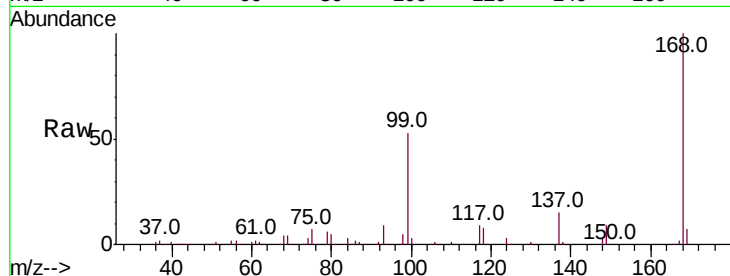
99 53.3 42.3 63.5

Manual Integrations

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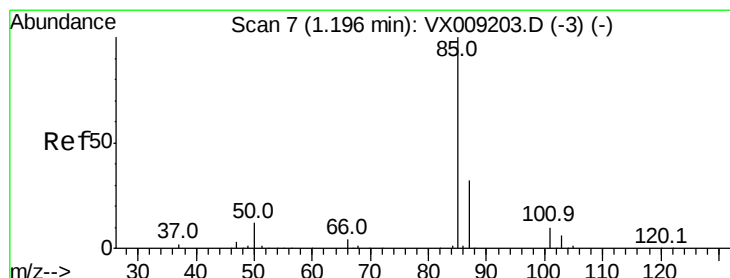
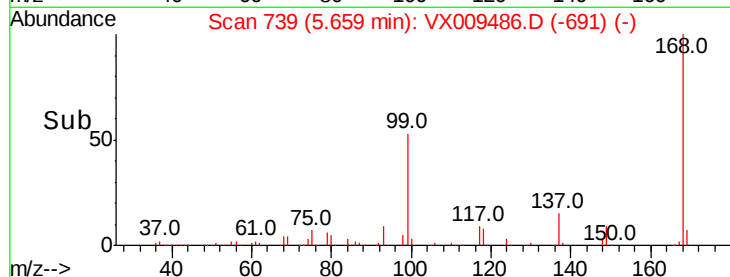
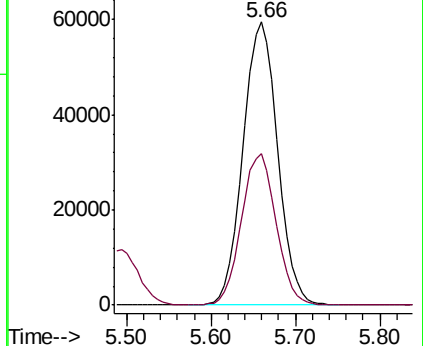
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 19.439 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009486.D

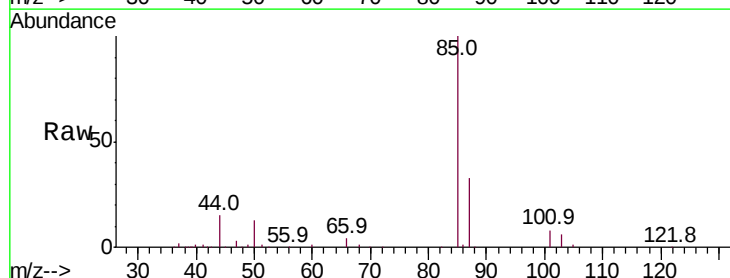
Acq: 10 May 2019 17:19

Tgt Ion: 85 Resp: 29700

Ion Ratio Lower Upper

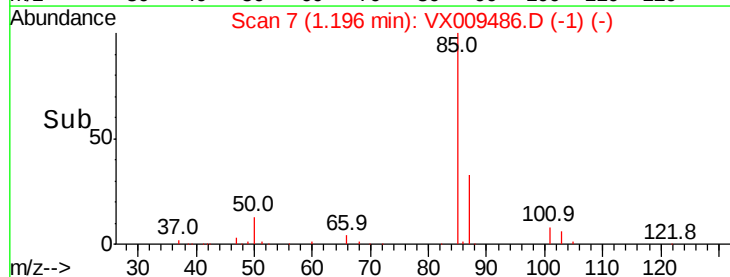
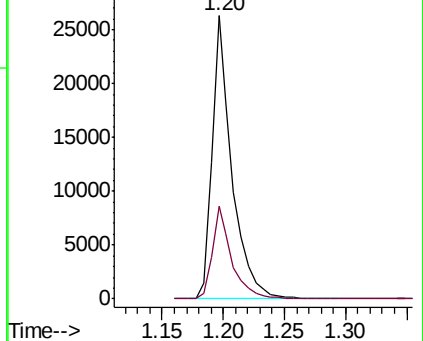
85 100

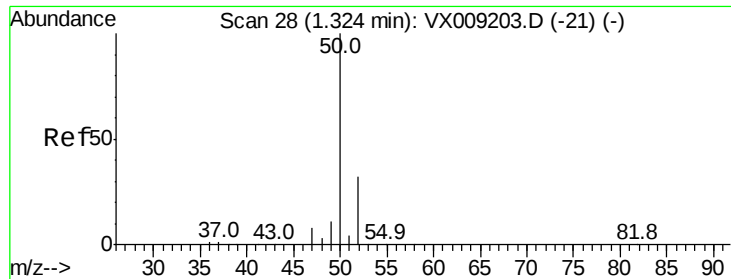
87 32.5 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 20.318 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS02

Tot Ion: 50 Resp: 42382

Ion Ratio Lower Upper

50 100

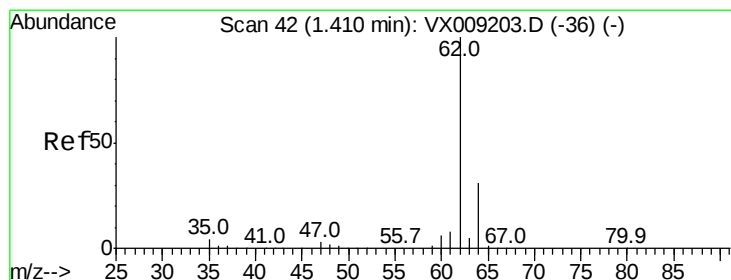
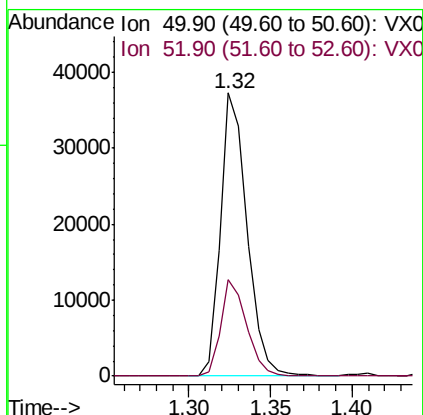
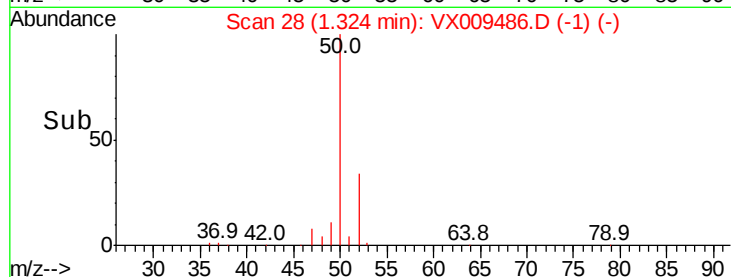
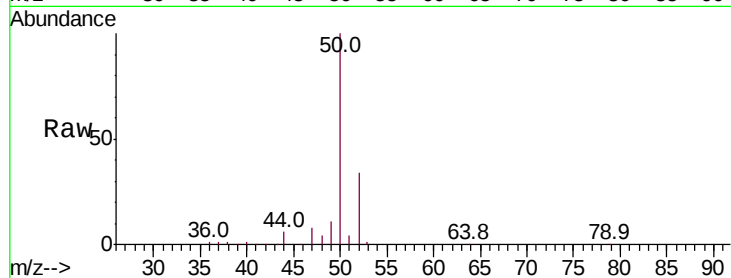
52 34.1 25.9 38.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.852 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009486.D

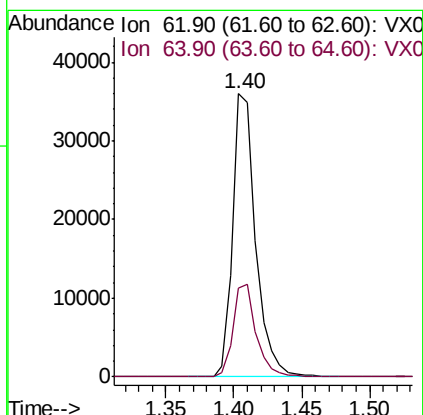
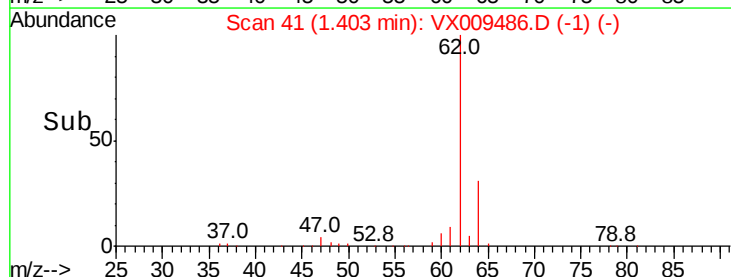
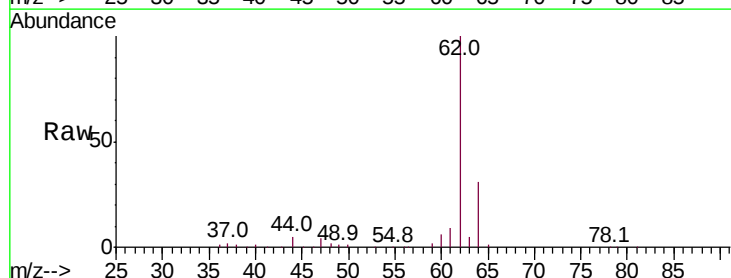
Acq: 10 May 2019 17:19

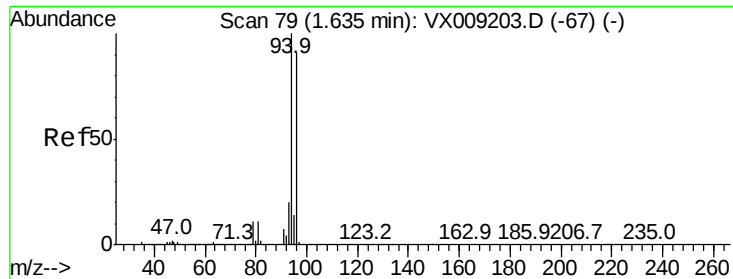
Tgt Ion: 62 Resp: 42414

Ion Ratio Lower Upper

62 100

64 31.3 24.6 36.8





#5

Bromomethane

Concen: 20.780 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS02

Tot Ion: 94 Resp: 25369

Ion Ratio Lower Upper

94 100

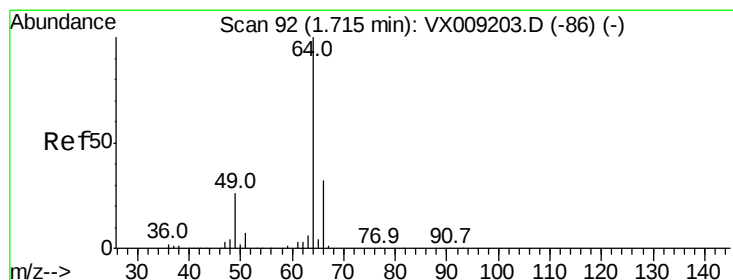
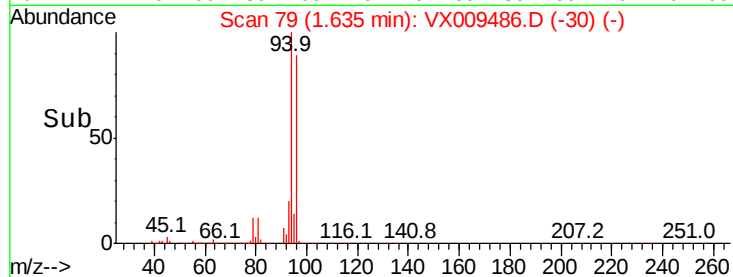
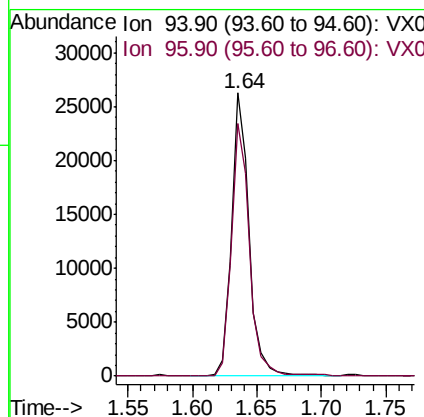
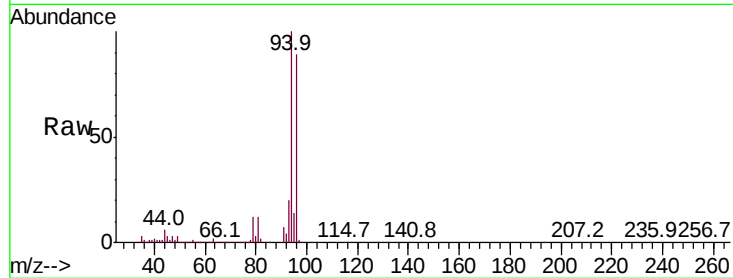
96 89.5 73.0 109.6

Manual Integrations

APPROVED

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#6

Chloroethane

Concen: 20.566 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009486.D

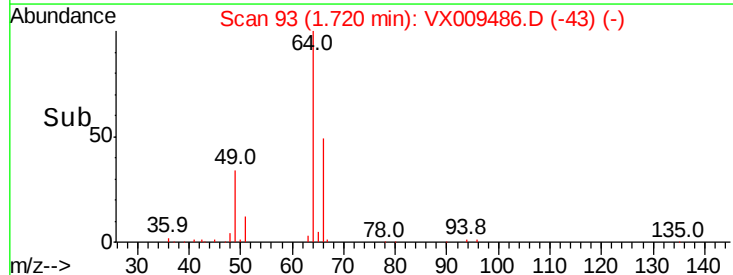
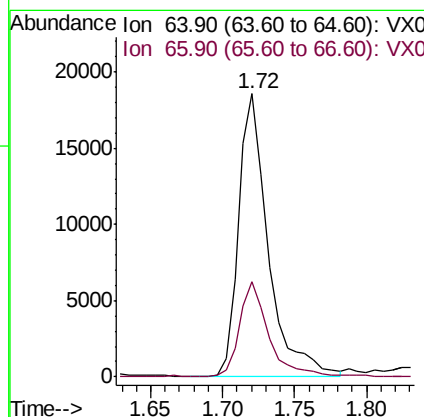
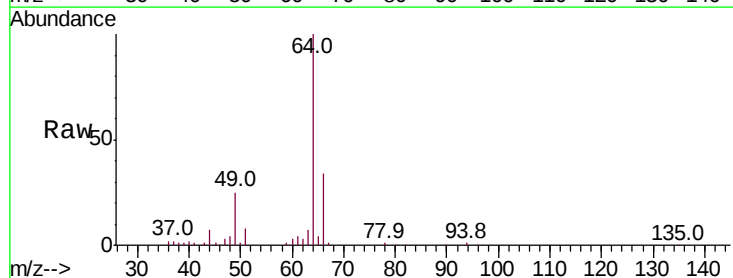
Acq: 10 May 2019 17:19

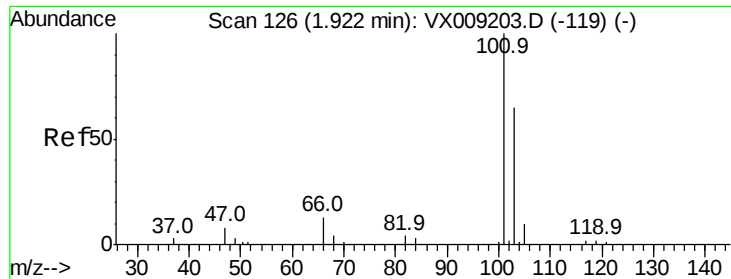
Tgt Ion: 64 Resp: 26857

Ion Ratio Lower Upper

64 100

66 33.7 25.3 37.9





#7

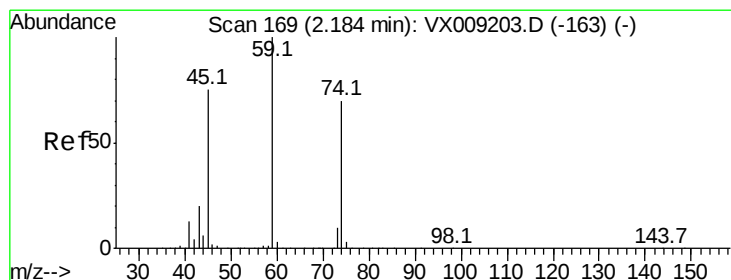
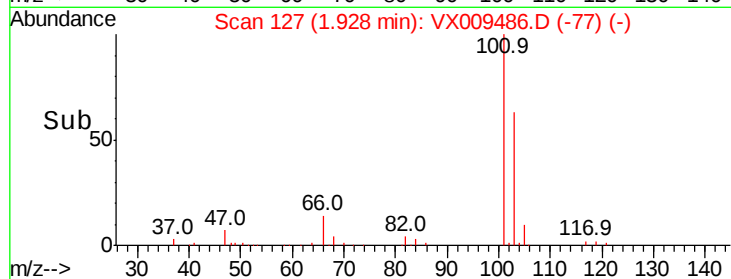
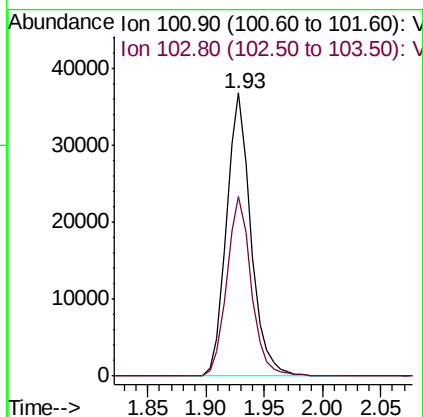
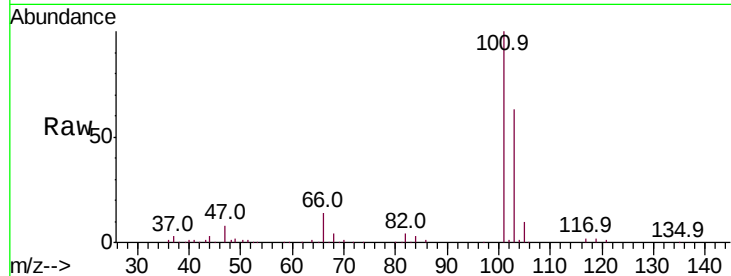
Trichlorofluoromethane
 Concen: 21.671 ug/l
 RT: 1.93 min Scan# 127
 Delta R.T. 0.01 min
 Lab File: VX009486.D
 Acq: 10 May 2019 17:19

Instrument :
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 ClientSampleId :
 VX0510WBS02

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	52.4	78.6

Manual Integrations
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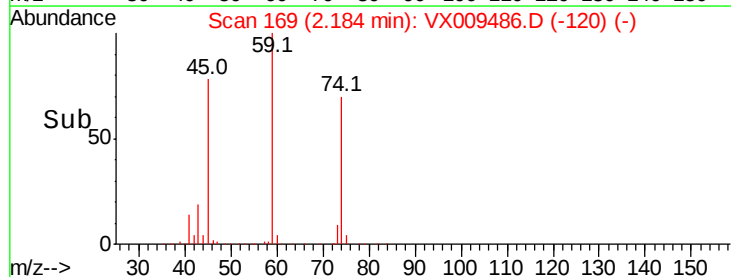
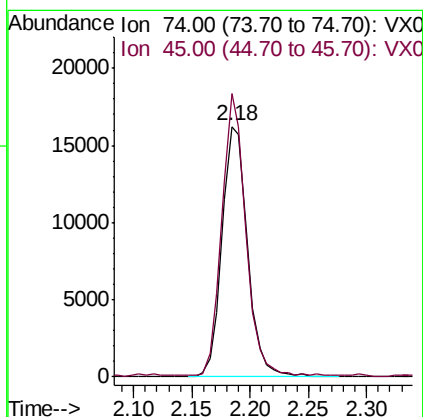
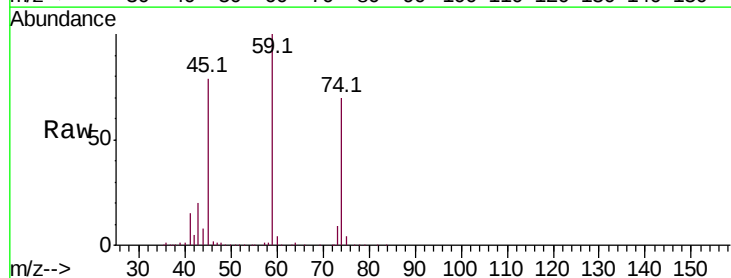
MMDadoda
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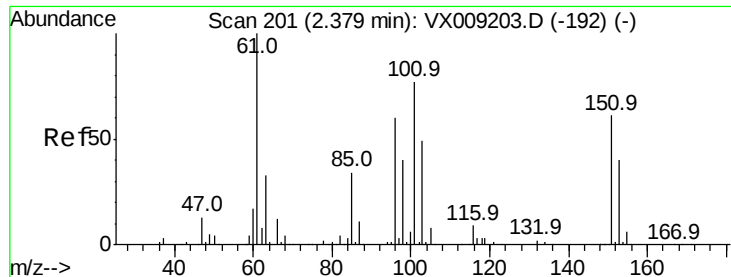


#8

Diethyl Ether
 Concen: 20.992 ug/l
 RT: 2.18 min Scan# 169
 Delta R.T. -0.00 min
 Lab File: VX009486.D
 Acq: 10 May 2019 17:19

Tgt Ion	Ratio	Lower	Upper
74	100		
45	105.4	53.3	159.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.509 ug/l

RT: 2.38 min Scan# 201

Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Instrument :

MSVOA_X

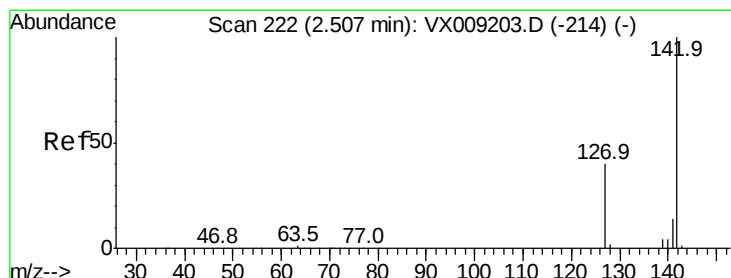
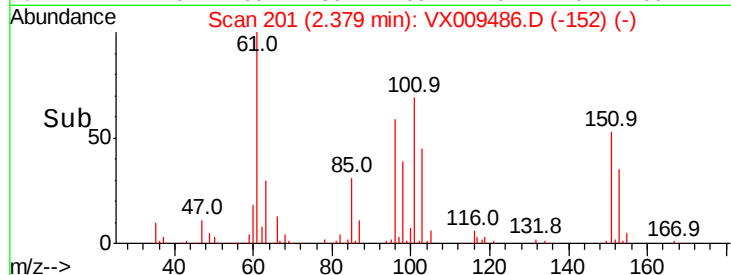
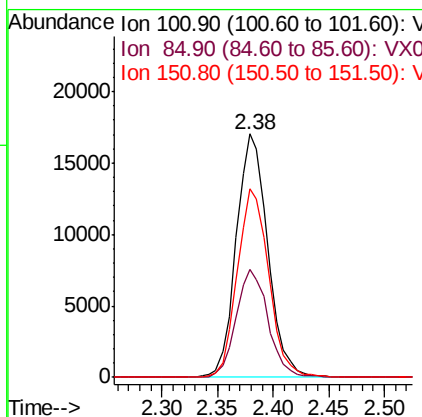
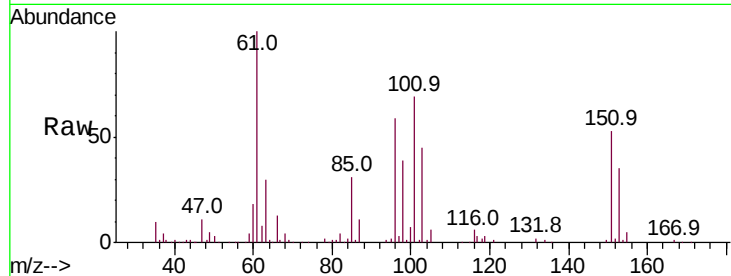
ClientSampleId :

VX0510WBS02

Tot Ion:	101	Resp:	33395
Ion Ratio	Lower	Upper	
101	100		
85	44.8	35.7	53.5
151	77.6	62.2	93.2

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#10

Methyl Iodide

Concen: 21.920 ug/l

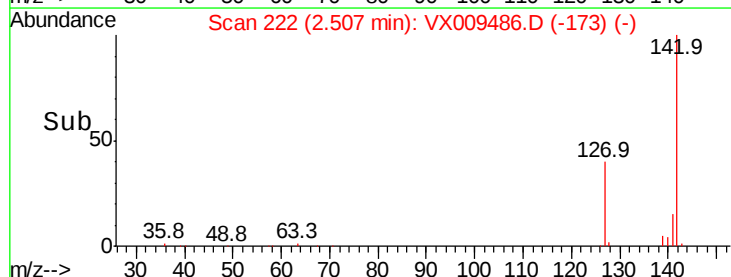
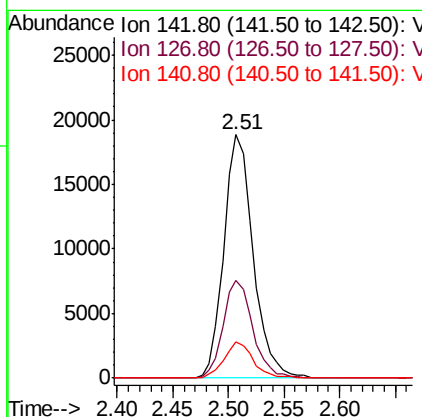
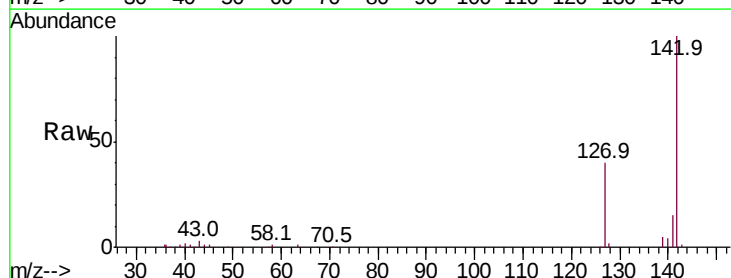
RT: 2.51 min Scan# 222

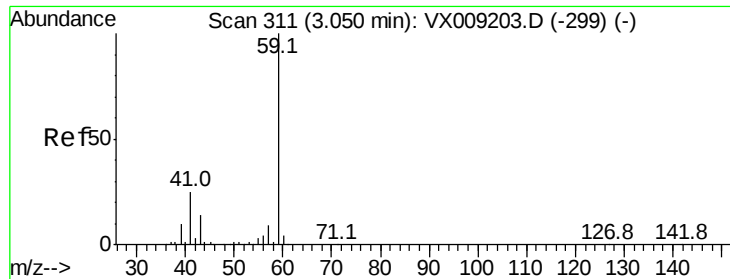
Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Tgt Ion:	142	Resp:	34419
Ion Ratio	Lower	Upper	
142	100		
127	40.4	32.7	49.1
141	14.7	11.5	17.3





#11

Tert butyl alcohol

Concen: 97.331 ug/l

RT: 3.04 min Scan# 310

Delta R.T. -0.01 min

Lab File: VX009486.D

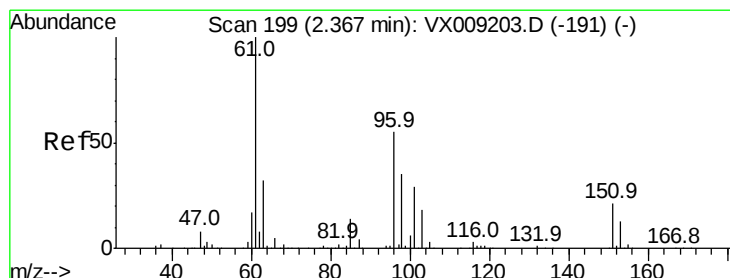
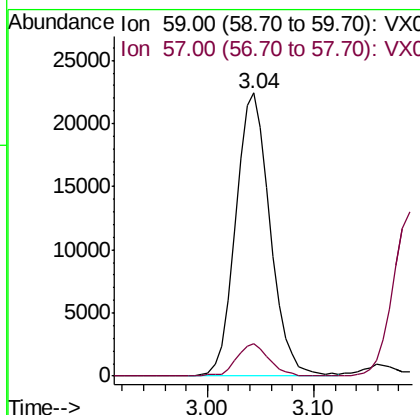
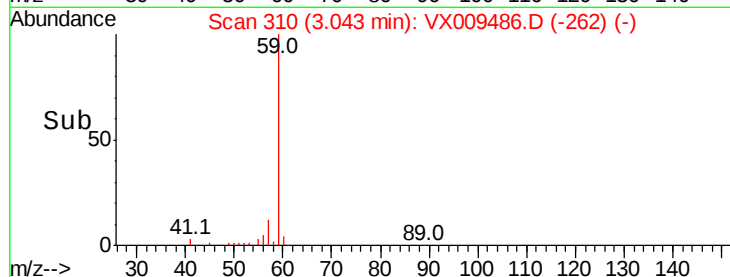
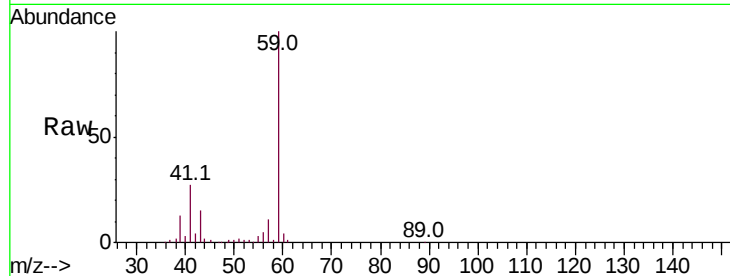
Acq: 10 May 2019 17:19

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.2	12.2

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#12

1,1-Dichloroethene

Concen: 21.061 ug/l

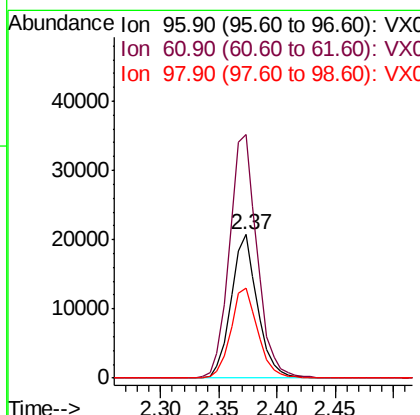
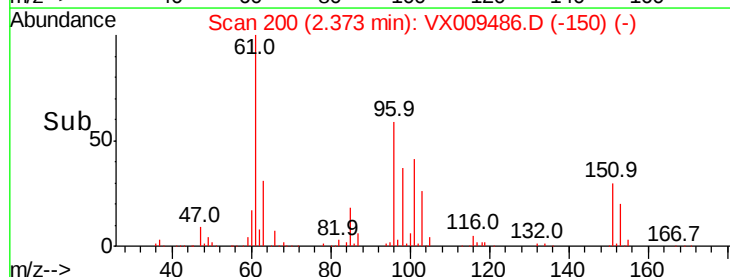
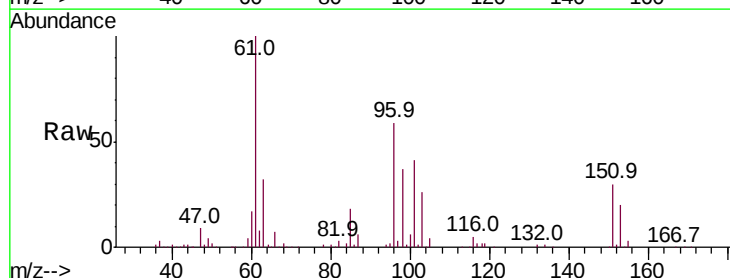
RT: 2.37 min Scan# 200

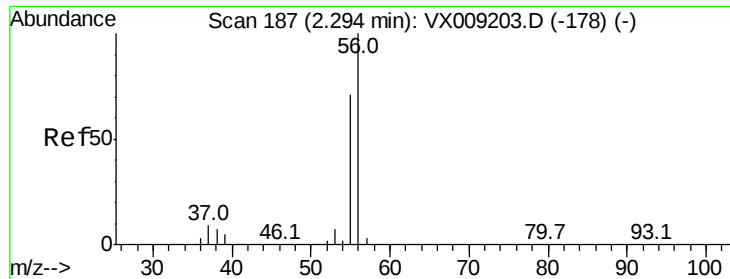
Delta R.T. 0.01 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.6	144.3	216.5
98	62.6	50.3	75.5





#13

Acrolein

Concen: 82.480 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS02

Tot Ion: 56 Resp: 39134

Ion Ratio Lower Upper

56 100

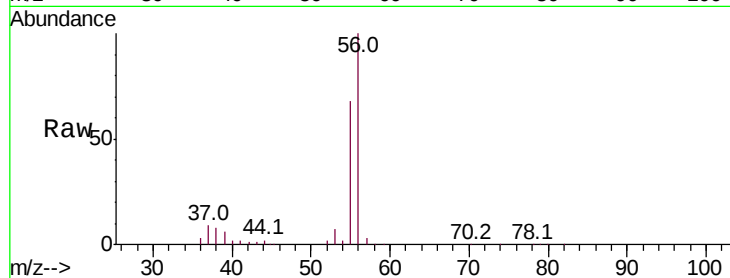
55 70.0 56.6 85.0

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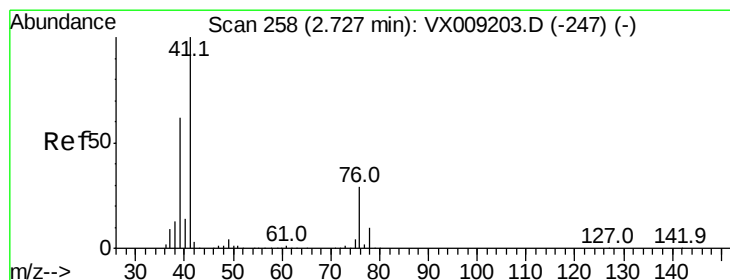
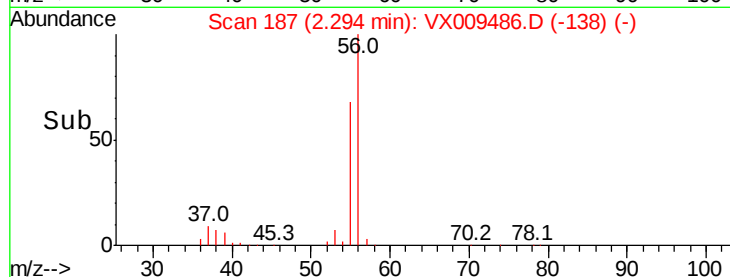
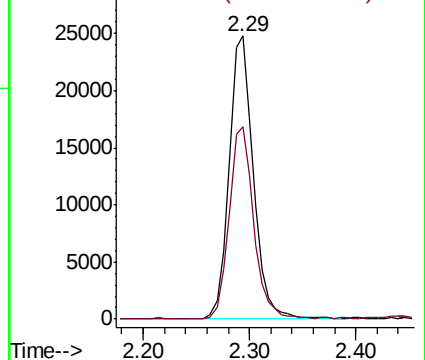
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Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#14

Allyl chloride

Concen: 20.415 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

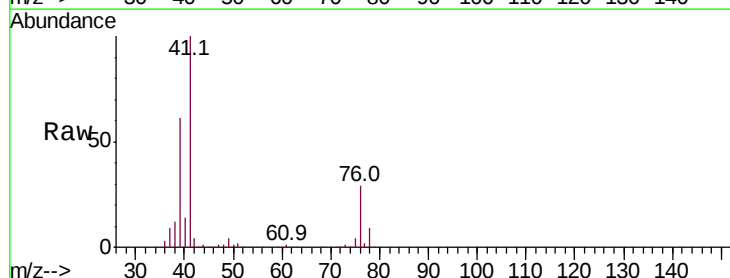
Tgt Ion: 41 Resp: 77397

Ion Ratio Lower Upper

41 100

39 58.5 46.7 70.1

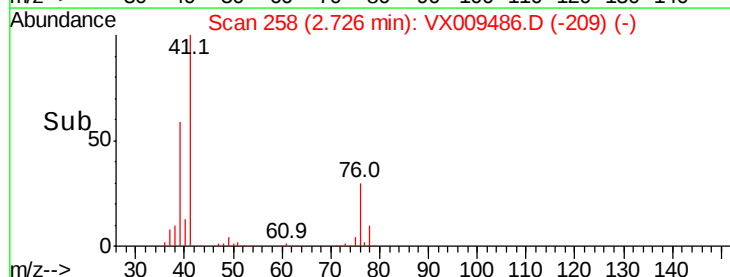
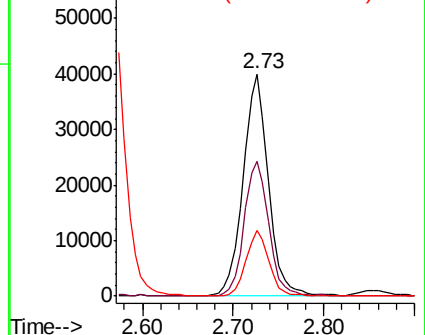
76 26.9 21.8 32.8

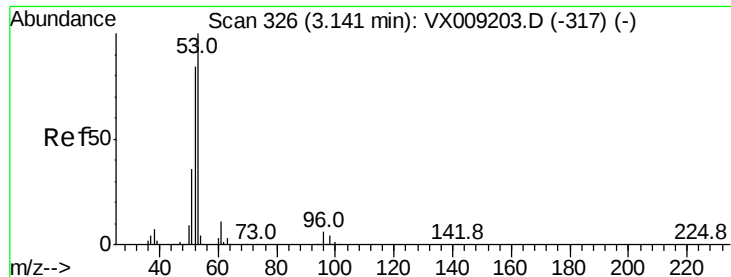


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 75.90 (75.60 to 76.60): VX0





#15

Acrylonitrile

Concen: 100.269 ug/l

RT: 3.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Instrument :

MSVOA_X

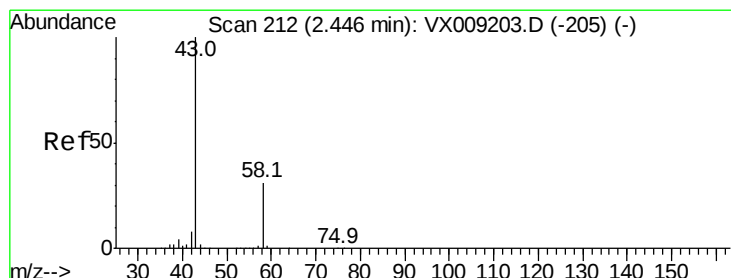
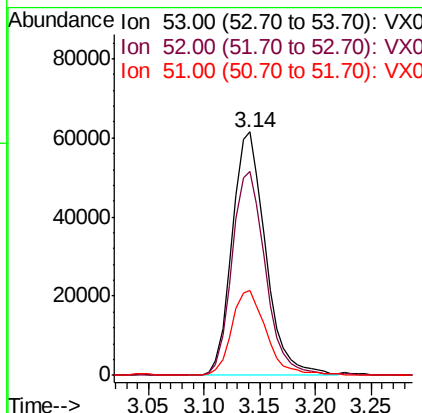
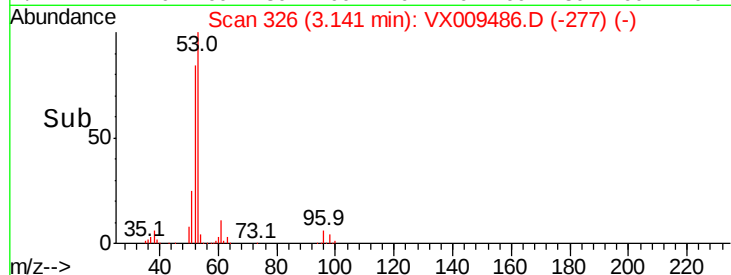
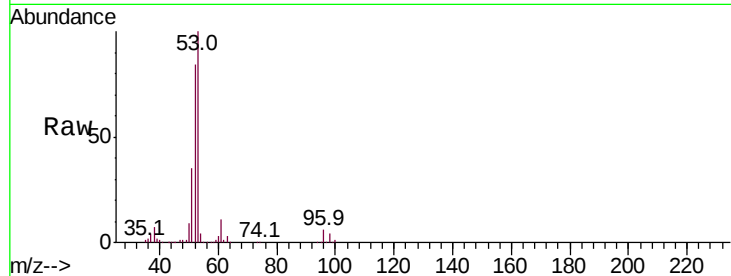
ClientSampleId :

VX0510WBS02

Tot Ion:	53	Resp:	128443
Ion Ratio	Lower	Upper	
53	100		
52	84.2	66.9	100.3
51	36.1	28.2	42.2

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#16

Acetone

Concen: 106.617 ug/l

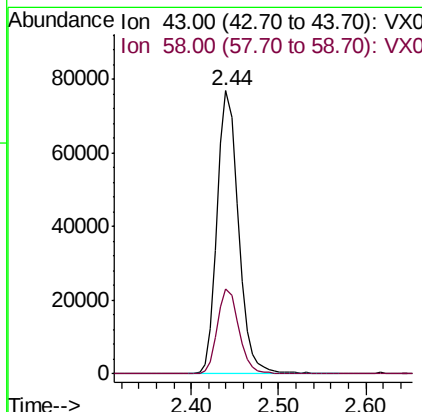
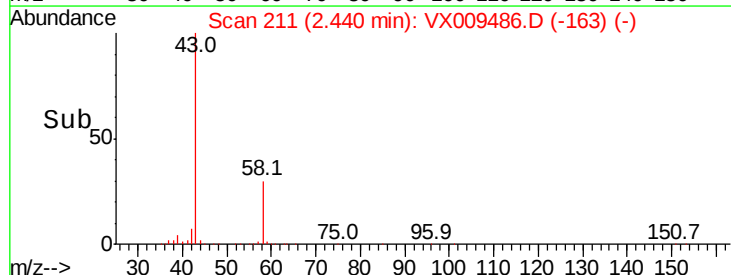
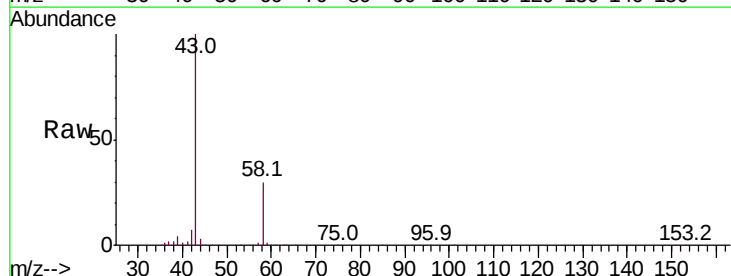
RT: 2.44 min Scan# 211

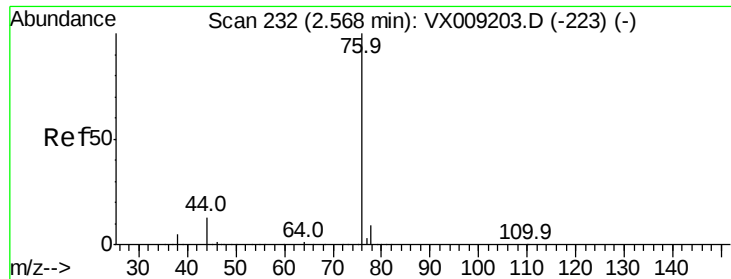
Delta R.T. -0.01 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Tgt Ion:	43	Resp:	129573
Ion Ratio	Lower	Upper	
43	100		
58	29.9	24.9	37.3





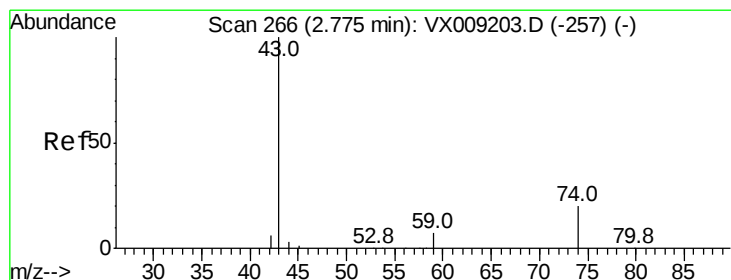
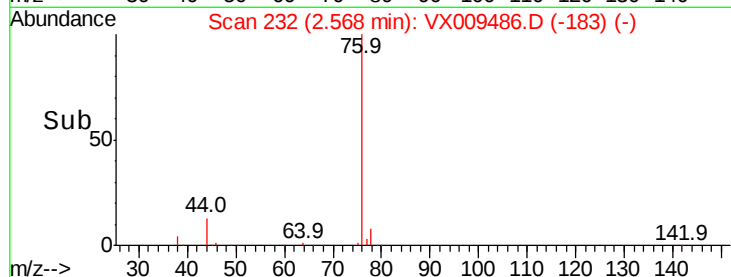
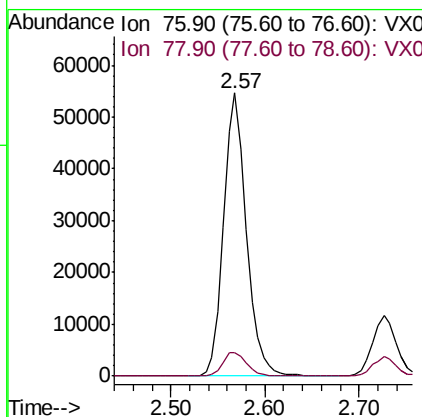
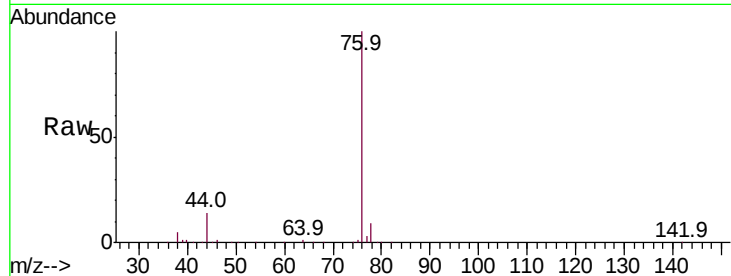
#17
Carbon Disulfide
Concen: 21.007 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009486.D
Acq: 10 May 2019 17:19

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBS02

Tot Ion: 76 Resp: 91749
Ion Ratio Lower Upper
76 100
78 8.5 7.4 11.0

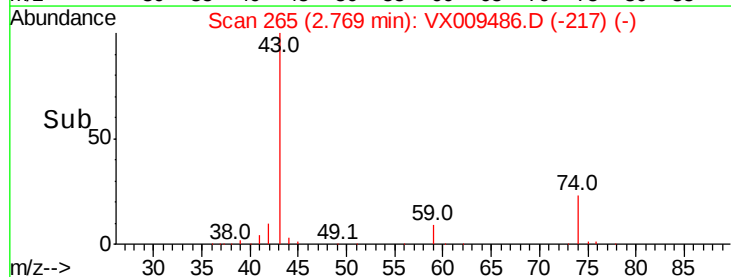
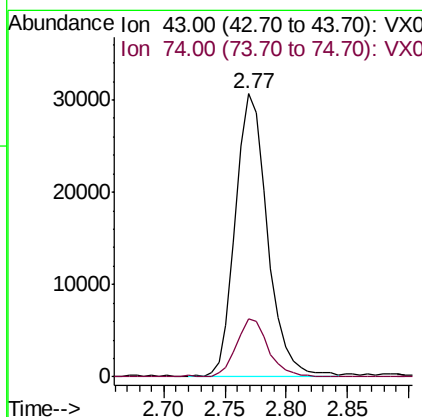
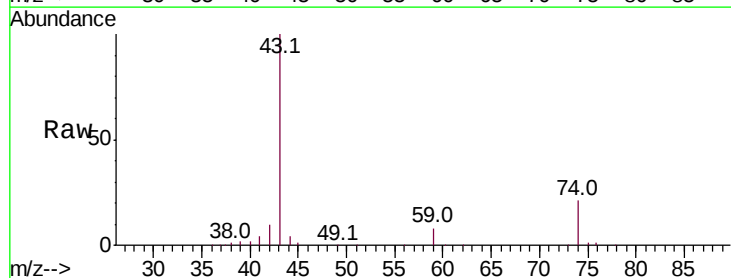
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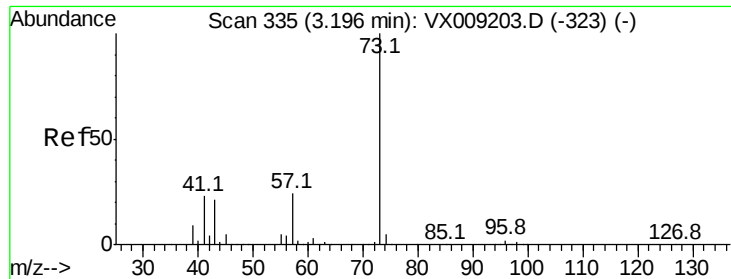
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#18
Methyl Acetate
Concen: 19.166 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009486.D
Acq: 10 May 2019 17:19

Tgt Ion: 43 Resp: 55395
Ion Ratio Lower Upper
43 100
74 20.9 16.2 24.4





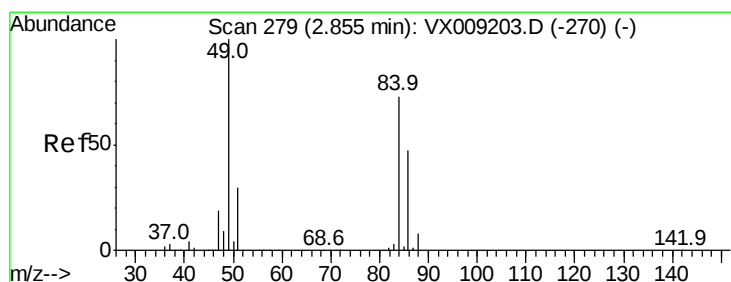
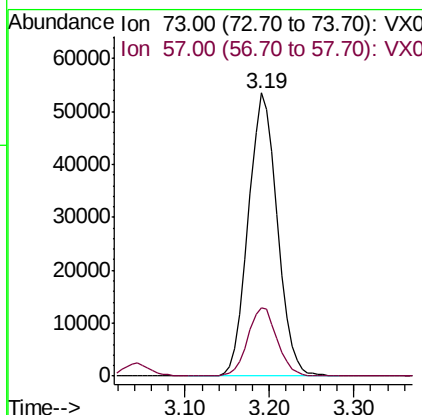
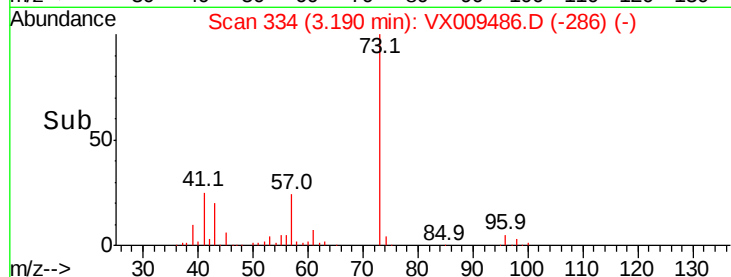
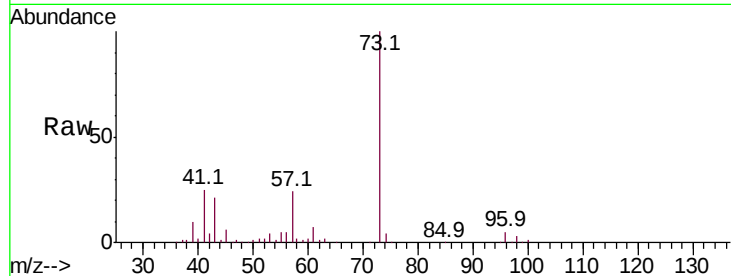
#19
Methyl tert-butyl Ether
Concen: 20.681 ug/l
RT: 3.19 min Scan# 334
Delta R.T. -0.01 min
Lab File: VX009486.D
Acq: 10 May 2019 17:19

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.3	19.3	28.9

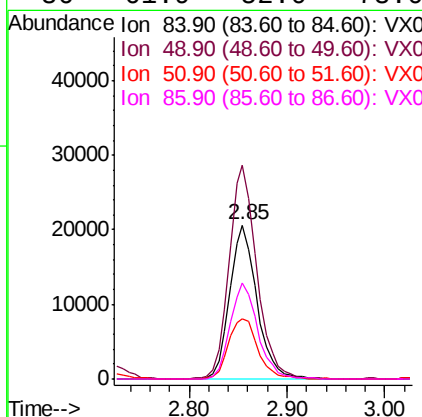
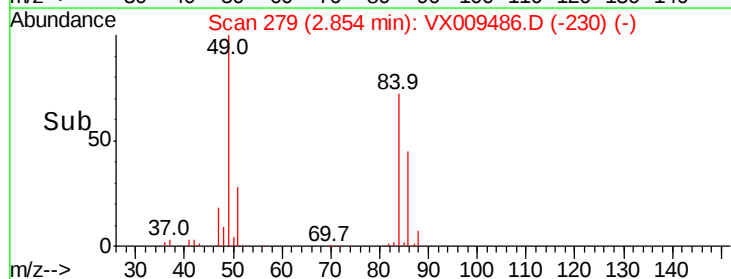
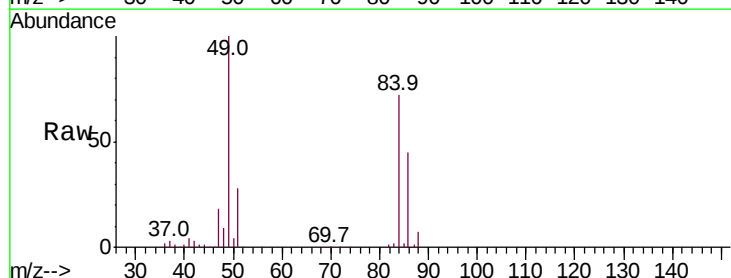
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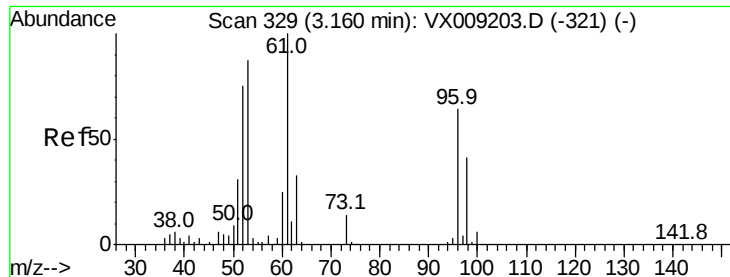
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#20
Methylene Chloride
Concen: 20.207 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX009486.D
Acq: 10 May 2019 17:19

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.5	109.9	164.9
51	38.8	32.7	49.1
86	61.9	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 21.220 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS02

Tot Ion: 96 Resp: 35801

Ion Ratio Lower Upper

96 100

61 153.9 124.5 186.7

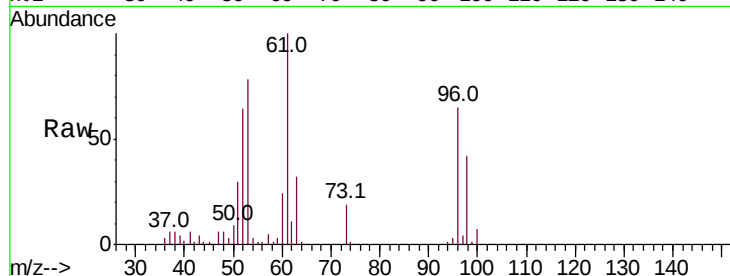
98 64.8 50.4 75.6

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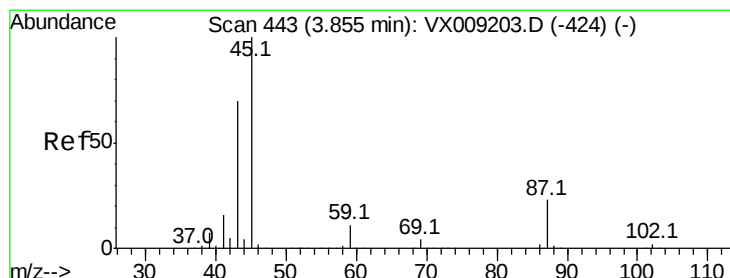
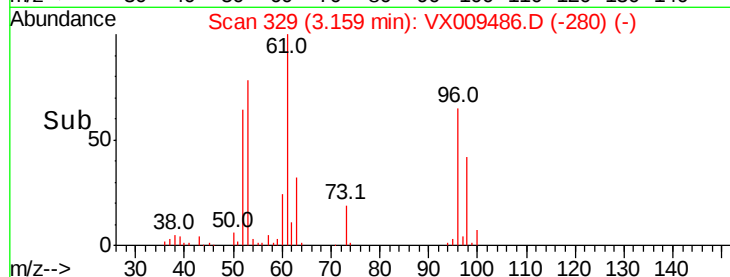
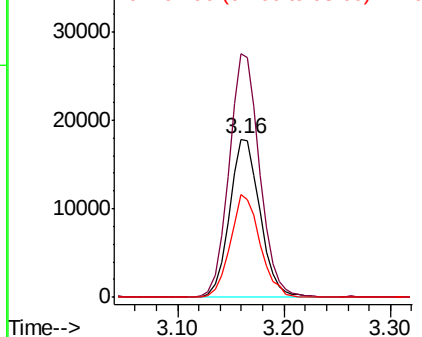
5/11/2019 11:52:56 AM



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#22

Diisopropyl ether

Concen: 20.596 ug/l

RT: 3.85 min Scan# 442

Delta R.T. -0.01 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Tgt Ion: 45 Resp: 150158

Ion Ratio Lower Upper

45 100

43 85.6 56.1 84.1#

87 22.6 18.1 27.1

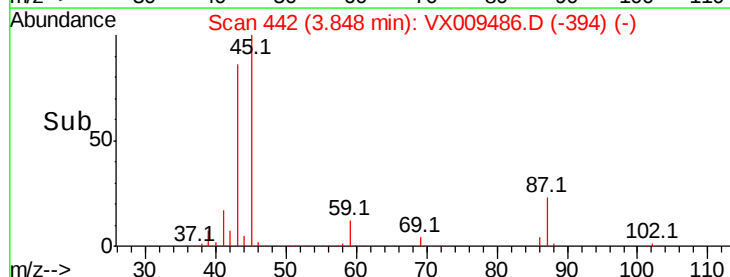
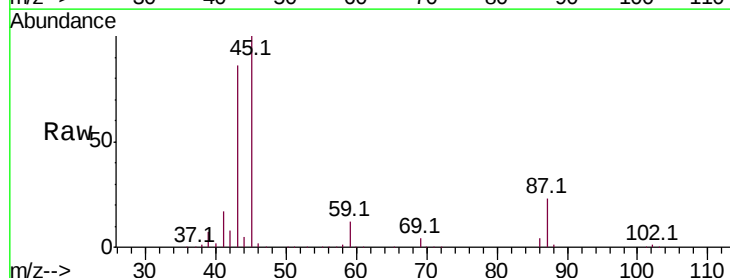
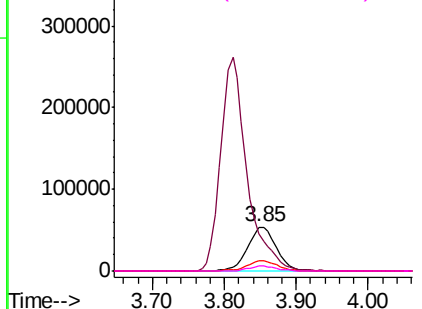
59 11.6 8.5 12.7

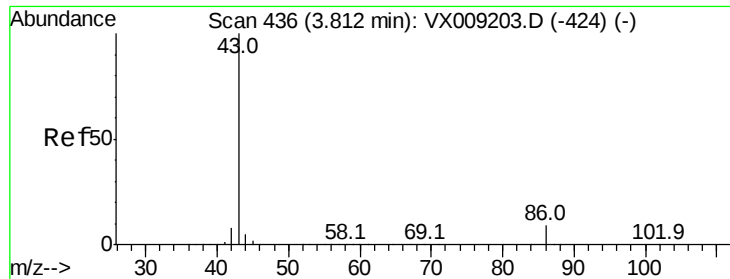
Abundance Ion 45.00 (44.70 to 45.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

Ion 59.00 (58.70 to 59.70): VX0





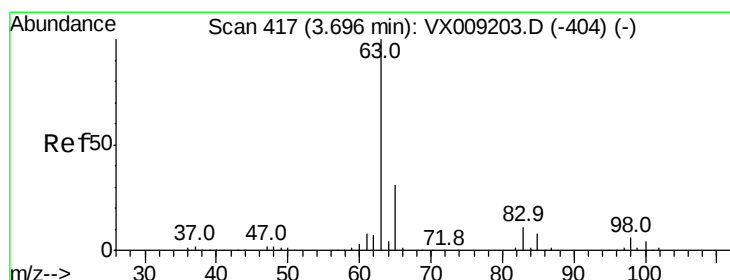
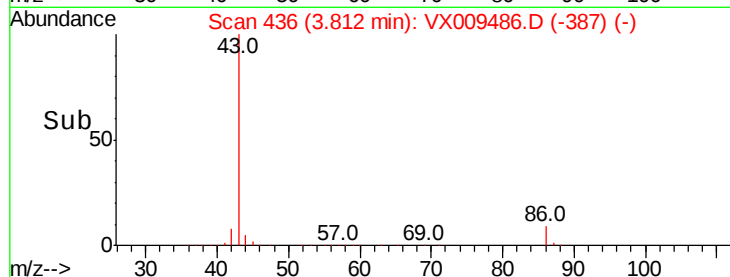
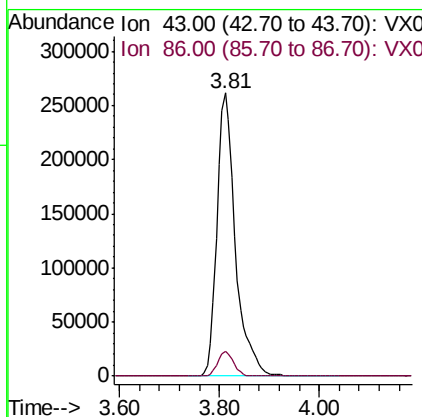
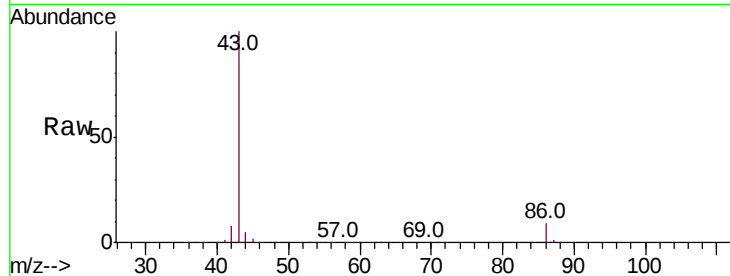
#23
 Vinyl Acetate
 Concen: 107.241 ug/l
 RT: 3.81 min Scan# 436
 Delta R.T. -0.00 min
 Lab File: VX009486.D
 Acq: 10 May 2019 17:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBS02

Tot Ion	43	86	Ratio	100	8.7	Resp	669527	Lower	6.9	Upper	10.3
Ion	43	86	Ratio	100	8.7	Resp	669527	Lower	6.9	Upper	10.3

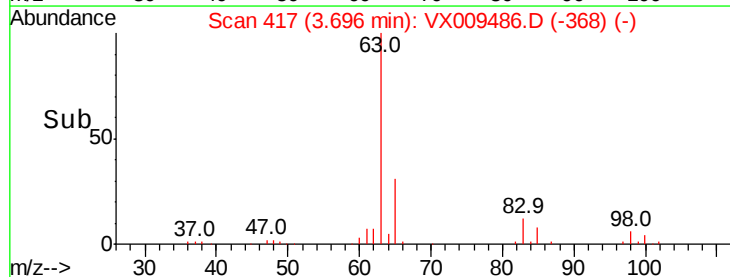
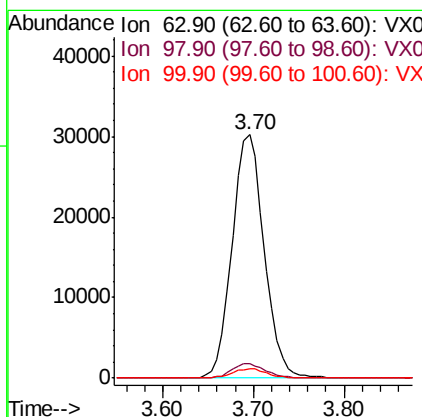
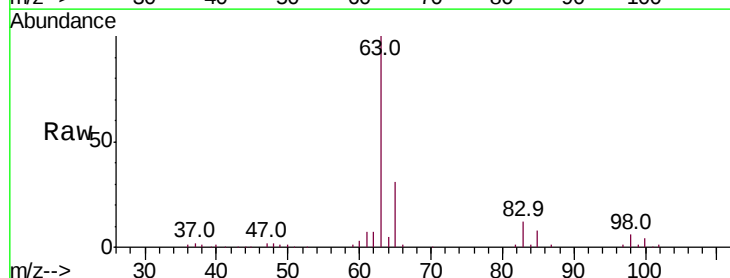
Manual Integrations
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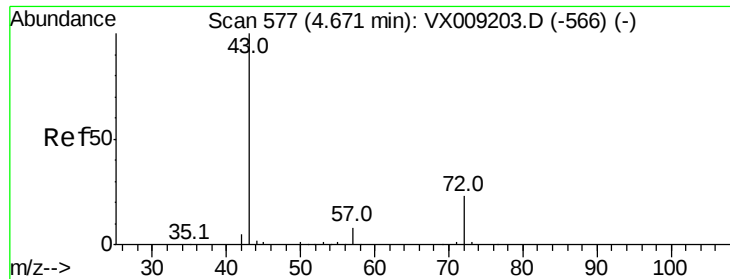
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#24
 1,1-Dichloroethane
 Concen: 20.626 ug/l
 RT: 3.70 min Scan# 417
 Delta R.T. -0.00 min
 Lab File: VX009486.D
 Acq: 10 May 2019 17:19

Tgt Ion	63	98	100	Ratio	100	6.2	4.1	Resp	74183	Lower	3.0	2.0	Upper	9.2	6.0
Ion	63	98	100	Ratio	100	6.2	4.1	Resp	74183	Lower	3.0	2.0	Upper	9.2	6.0





#25

2-Butanone

Concen: 104.298 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS02

Tot Ion: 43 Resp: 196974

Ion Ratio Lower Upper

43 100

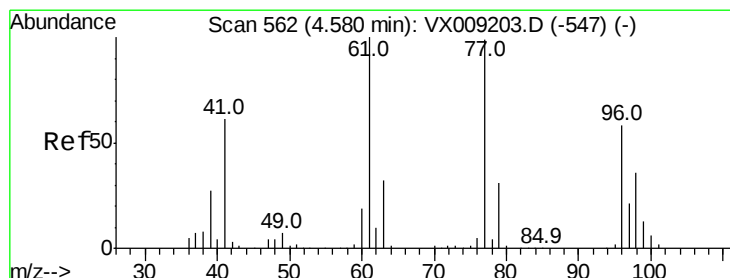
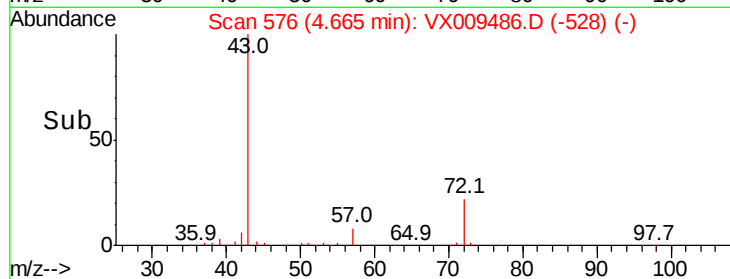
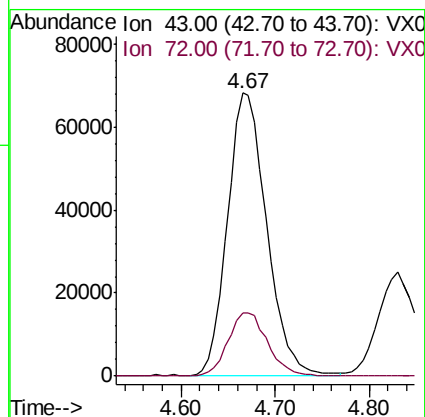
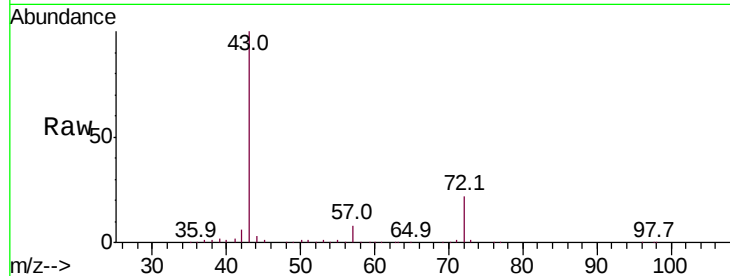
72 22.3 18.2 27.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 20.536 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009486.D

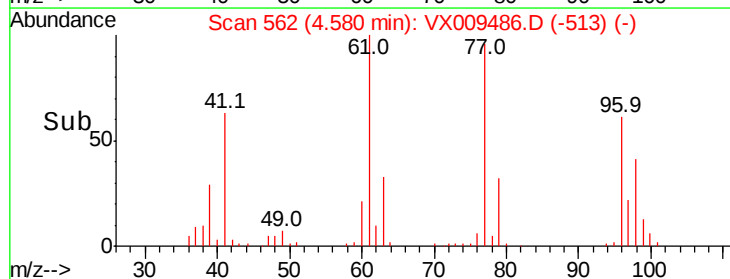
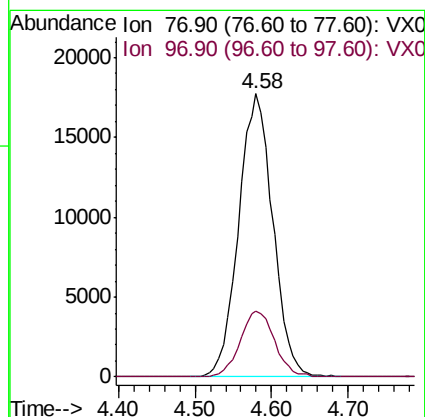
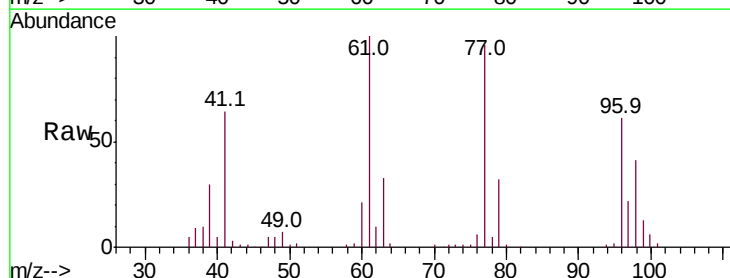
Acq: 10 May 2019 17:19

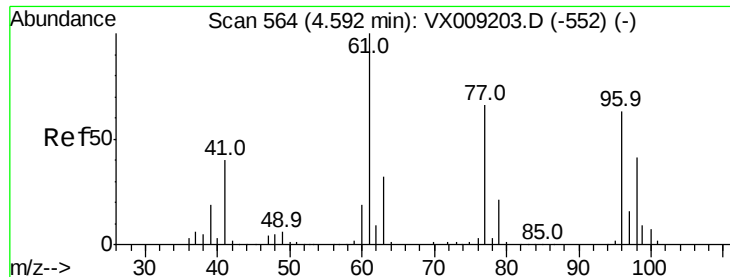
Tgt Ion: 77 Resp: 54978

Ion Ratio Lower Upper

77 100

97 23.5 11.5 34.4





#27

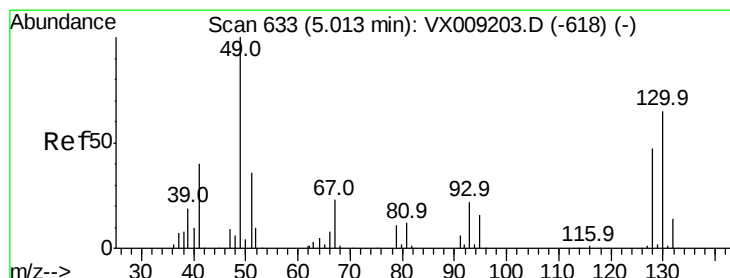
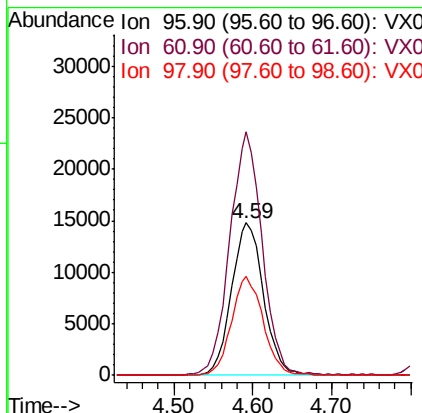
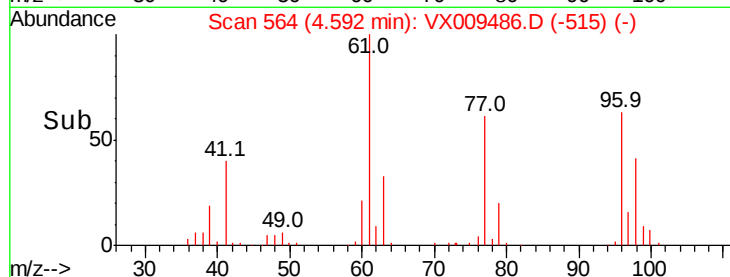
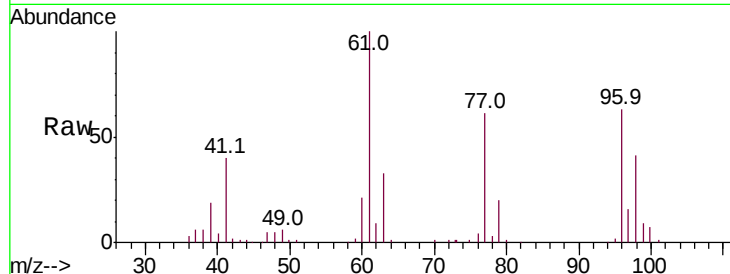
cis-1,2-Dichloroethene
 Concen: 20.699 ug/l
 RT: 4.59 min Scan# 564
 Delta R.T. -0.00 min
 Lab File: VX009486.D
 Acq: 10 May 2019 17:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	161.6	0.0	324.0
98	64.5	0.0	130.4

Manual Integrations
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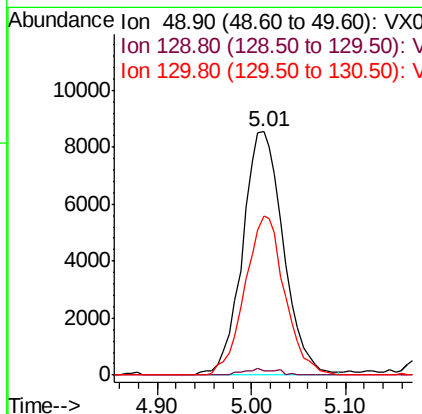
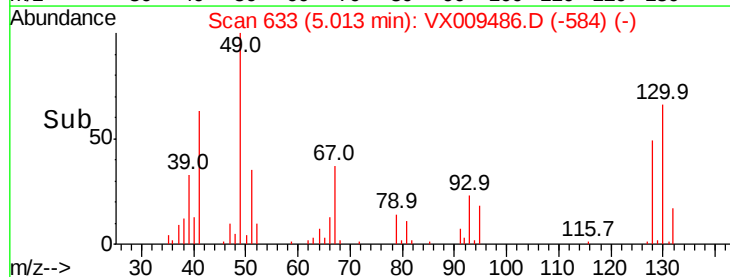
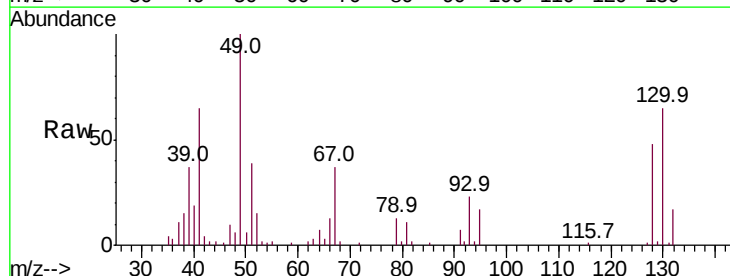
MMDadoda
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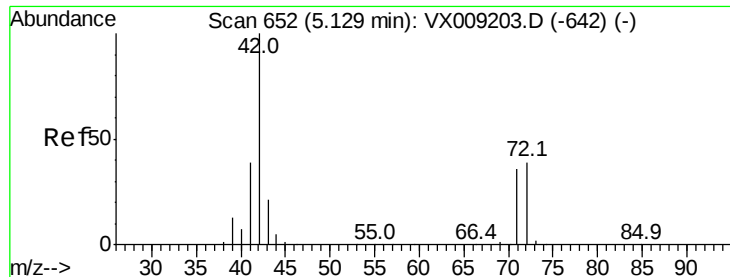


#28

Bromochloromethane
 Concen: 16.041 ug/l
 RT: 5.01 min Scan# 633
 Delta R.T. 0.00 min
 Lab File: VX009486.D
 Acq: 10 May 2019 17:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	3.8
130	63.8	51.2	76.8





#29

Tetrahydrofuran

Concen: 102.914 ug/l

RT: 5.12 min Scan# 651

Delta R.T. -0.01 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Instrument :

MSVOA_X

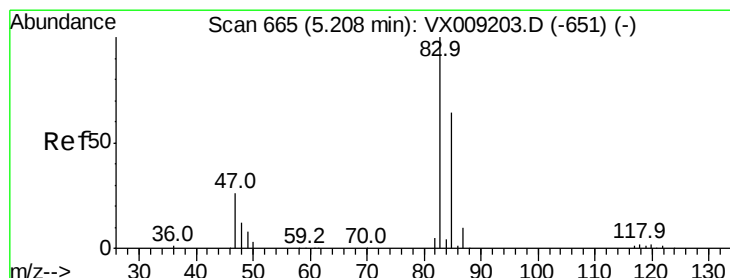
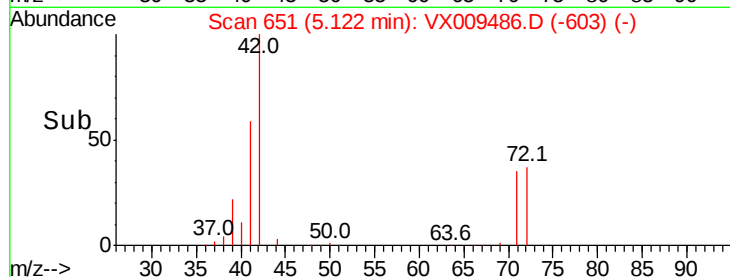
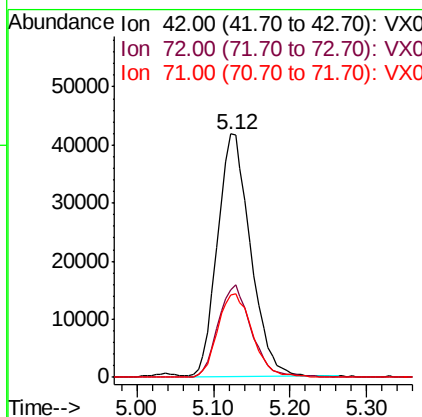
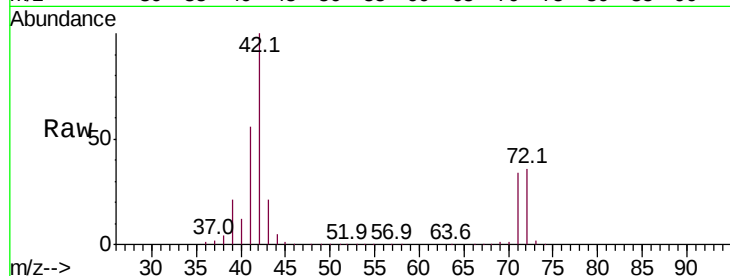
ClientSampleId :

VX0510WBS02

Tot Ion:	42	Resp:	125070
Ion Ratio	Lower	Upper	
42	100		
72	38.4	30.4	45.6
71	36.2	28.6	43.0

Manual Integrations
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#30

Chloroform

Concen: 21.240 ug/l

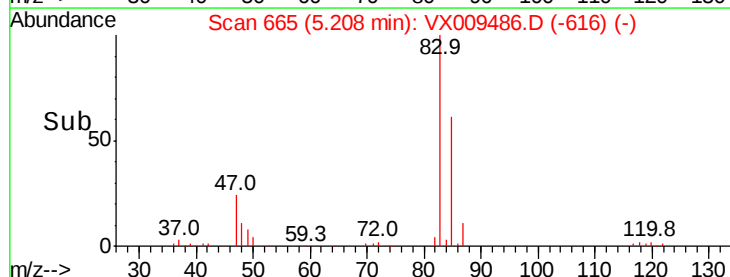
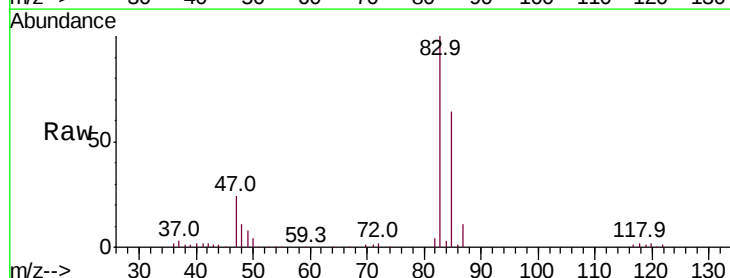
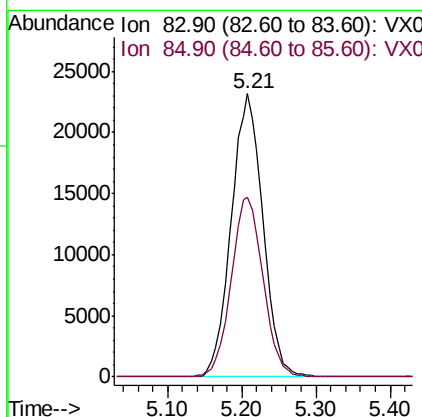
RT: 5.21 min Scan# 665

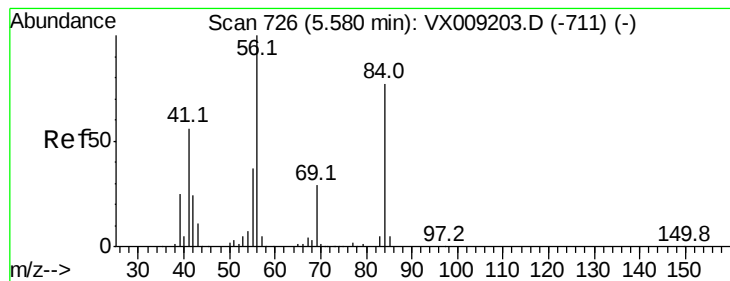
Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Tgt Ion:	83	Resp:	69093
Ion Ratio	Lower	Upper	
83	100		
85	63.6	51.5	77.3





#31

Cyclohexane

Concen: 21.544 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Instrument :

MSVOA_X

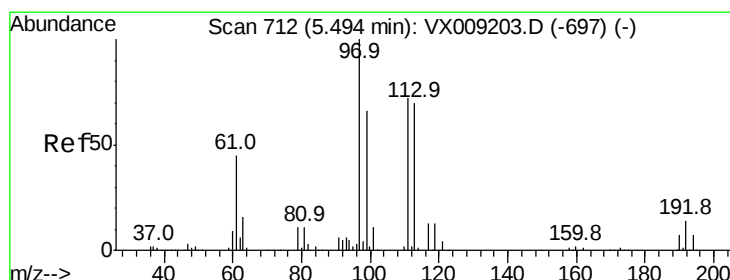
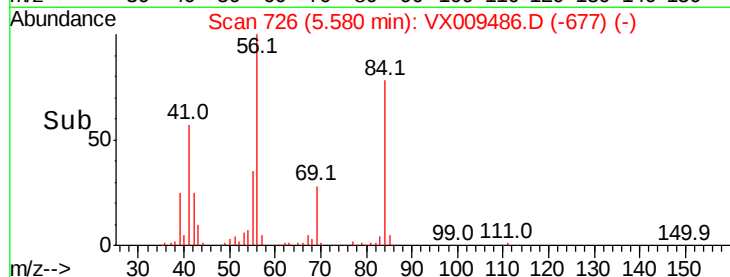
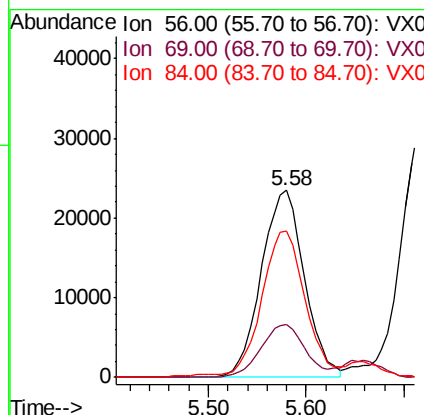
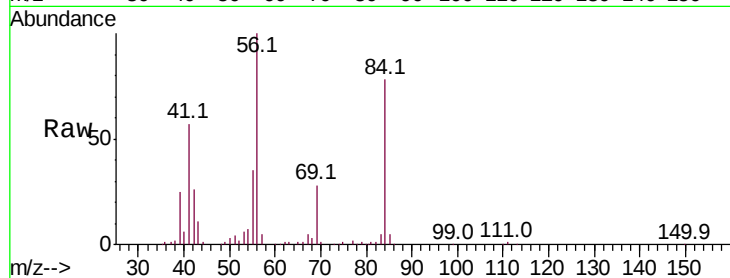
ClientSampled :

VX0510WBS02

Tot Ion:	56	Resp:	72091
Ion Ratio	Lower	Upper	
56	100		
69	28.5	23.4	35.0
84	77.2	61.9	92.9

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#32

1,1,1-Trichloroethane

Concen: 20.715 ug/l

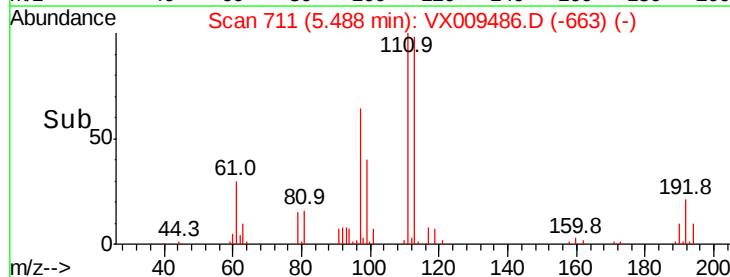
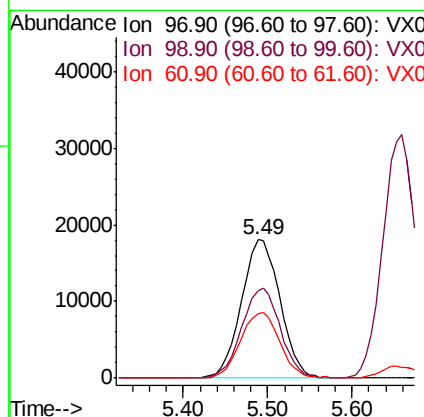
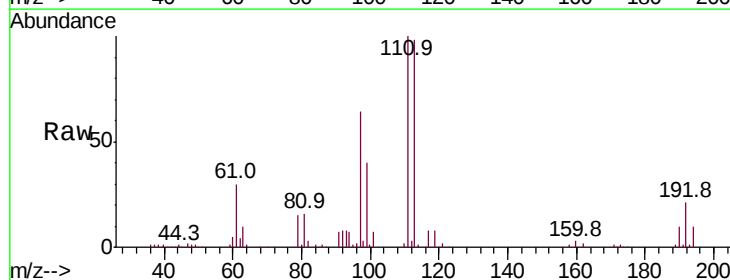
RT: 5.49 min Scan# 711

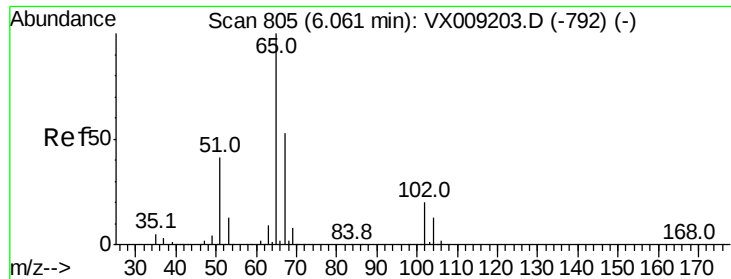
Delta R.T. -0.01 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Tgt Ion:	97	Resp:	56095
Ion Ratio	Lower	Upper	
97	100		
99	65.1	51.8	77.8
61	48.5	37.8	56.8





#33

1,2-Dichloroethane-d4

Concen: 49.397 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS02

Tot Ion: 65 Resp: 111802

Ion Ratio Lower Upper

65 100

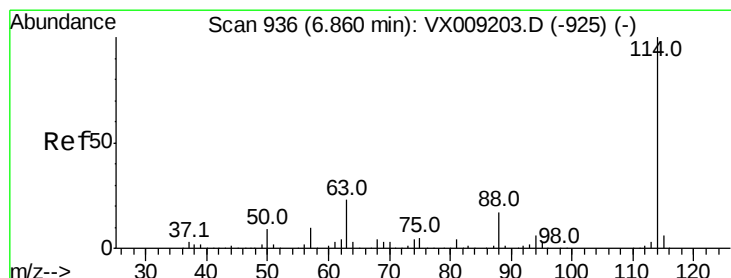
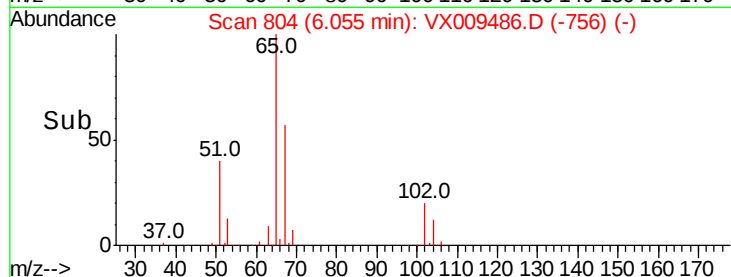
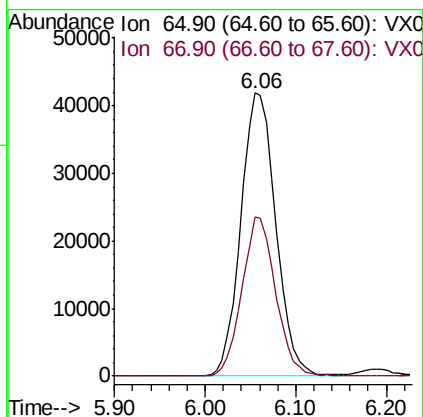
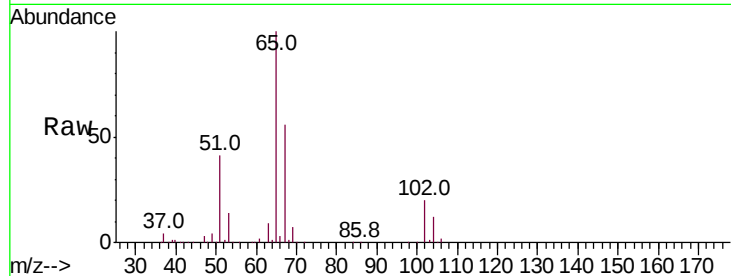
67 54.2 0.0 106.6

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. -0.01 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

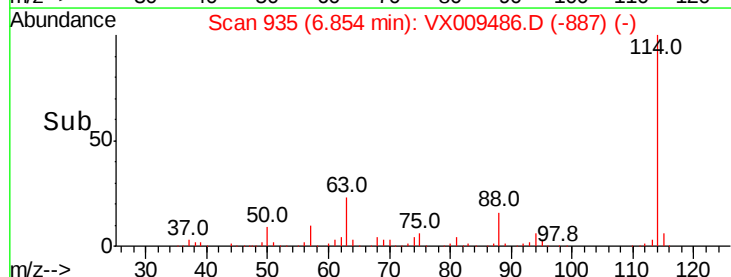
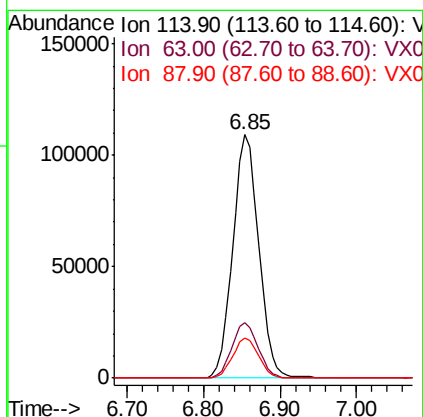
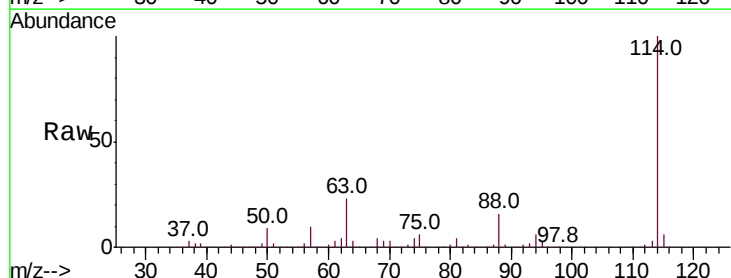
Tgt Ion: 114 Resp: 256909

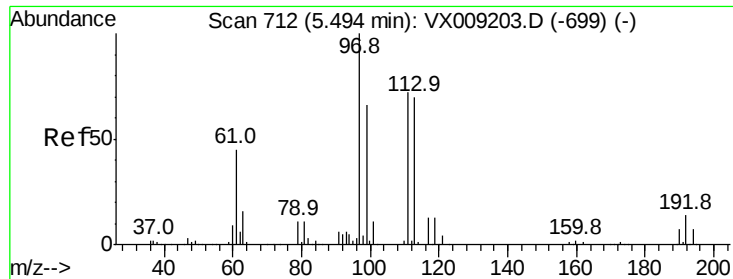
Ion Ratio Lower Upper

114 100

63 22.7 0.0 45.6

88 16.2 0.0 33.2





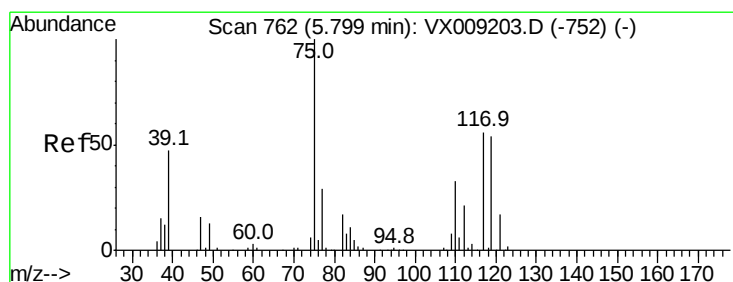
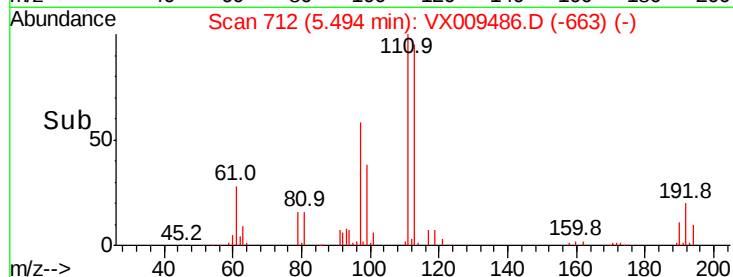
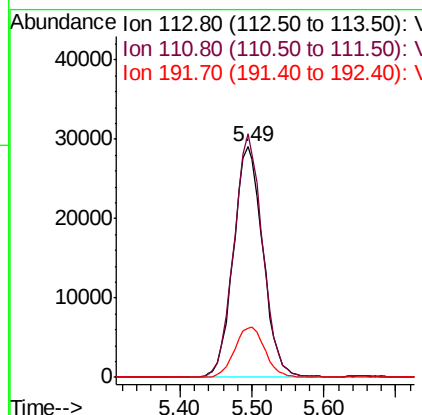
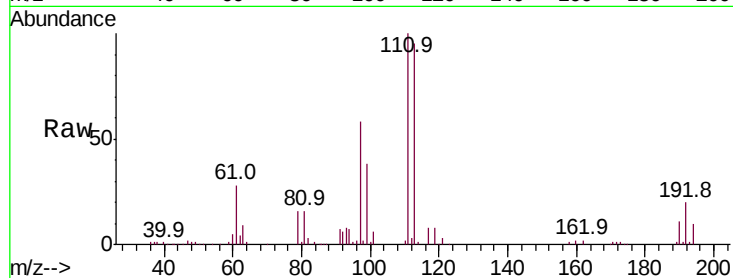
#35
 Dibromofluoromethane
 Concen: 51.277 ug/l
 RT: 5.49 min Scan# 712
 Delta R.T. -0.00 min
 Lab File: VX009486.D
 Acq: 10 May 2019 17:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBS02

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.0	82.8	124.2
192	22.2	17.0	25.6

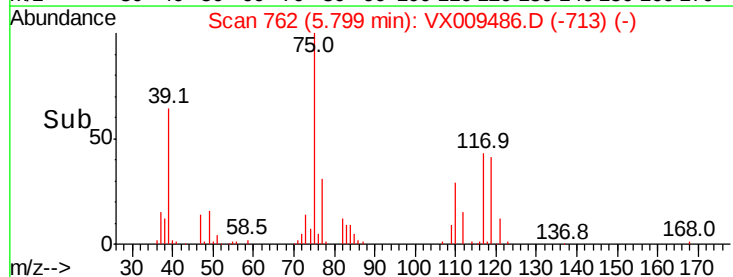
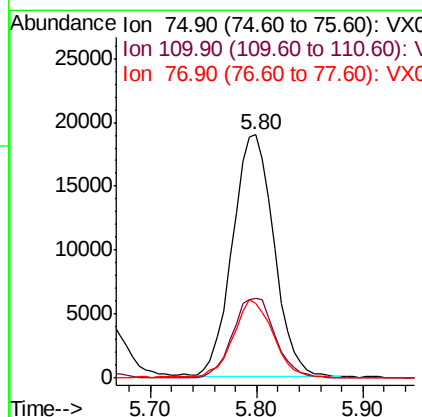
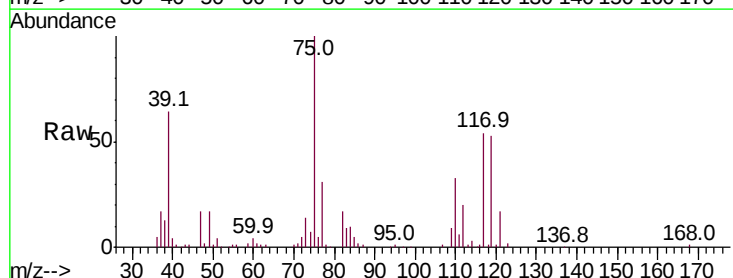
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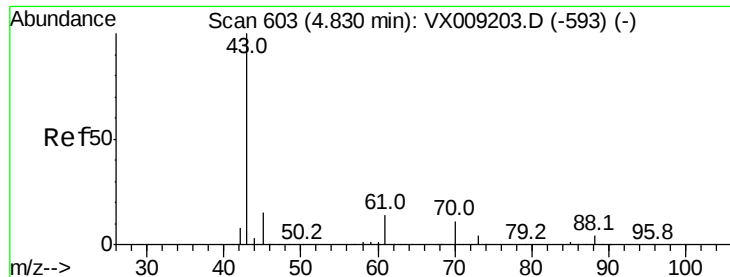
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#36
 1,1-Dichloropropene
 Concen: 21.717 ug/l
 RT: 5.80 min Scan# 762
 Delta R.T. -0.00 min
 Lab File: VX009486.D
 Acq: 10 May 2019 17:19

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.0	16.9	50.6
77	31.5	24.8	37.2





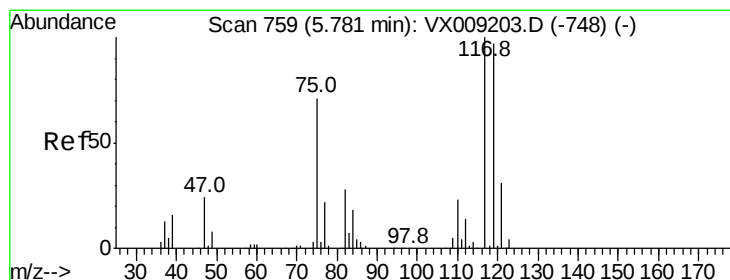
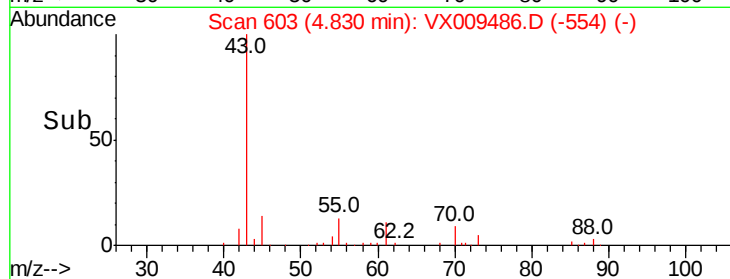
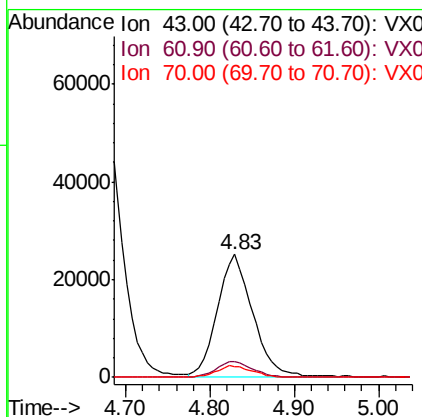
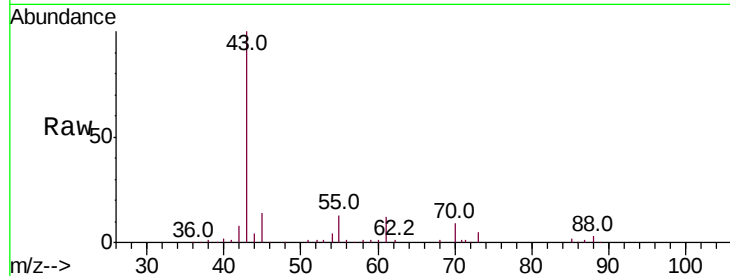
#37
Ethyl Acetate
Concen: 21.571 ug/l
RT: 4.83 min Scan# 603
Delta R.T. -0.00 min
Lab File: VX009486.D
Acq: 10 May 2019 17:19

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.3	10.5	15.7
70	9.9	7.9	11.9

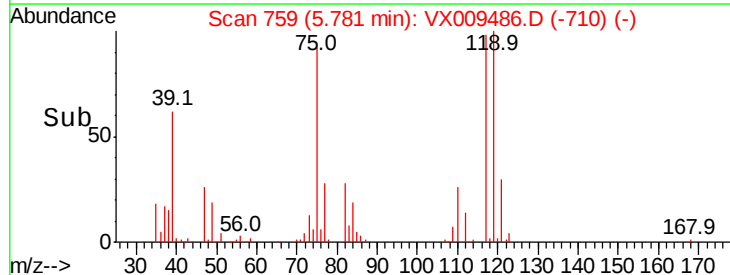
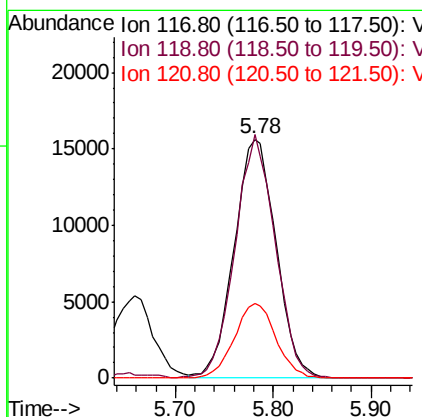
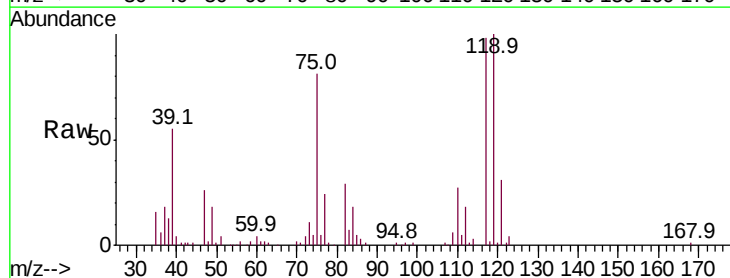
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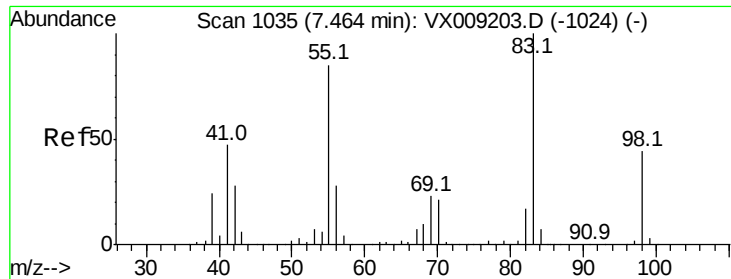
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#38
Carbon Tetrachloride
Concen: 21.423 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX009486.D
Acq: 10 May 2019 17:19

Tgt Ion	Ratio	Lower	Upper
117	100		
119	101.9	77.5	116.3
121	31.4	24.7	37.1





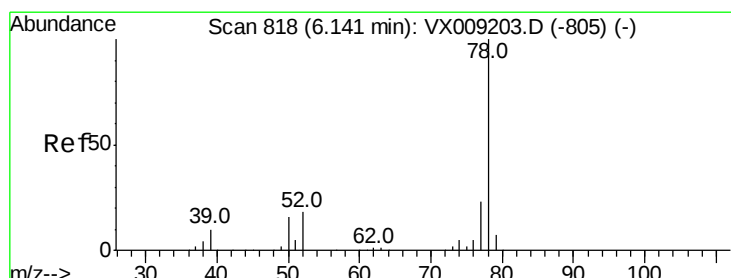
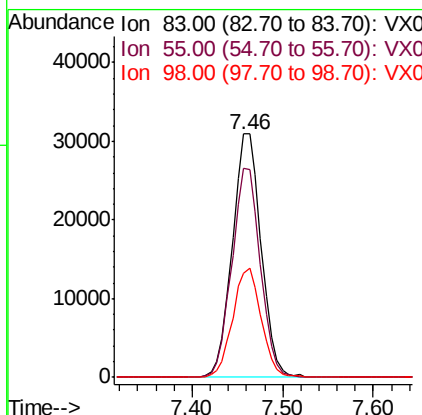
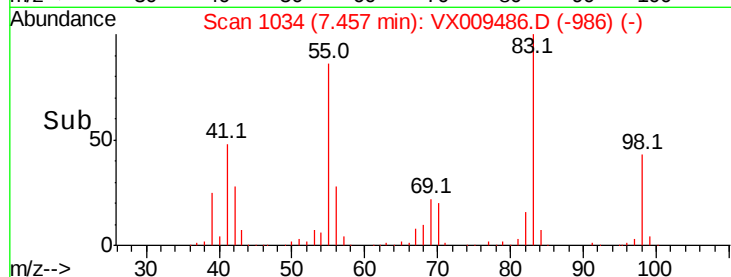
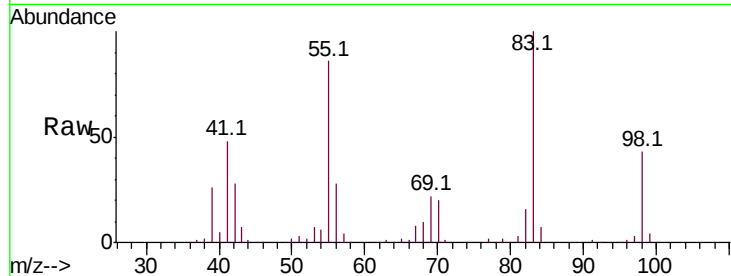
#39
Methvlcvclohexane
Concen: 23.267 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009486.D
Acq: 10 May 2019 17:19

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	85.7	67.7	101.5
98	42.8	35.5	53.3

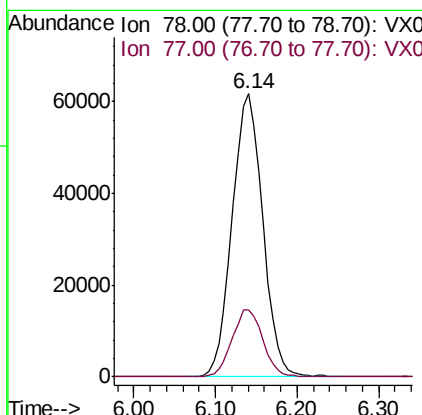
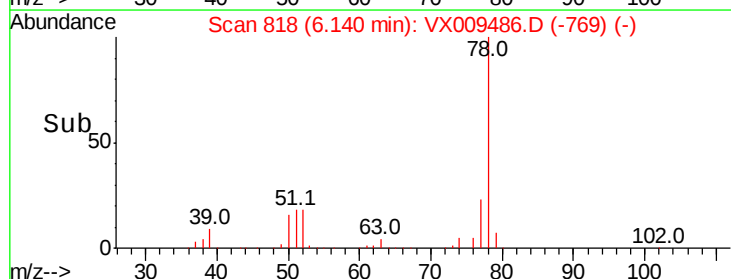
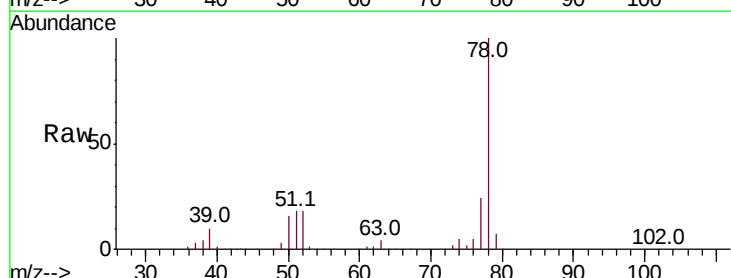
Manual Integrations
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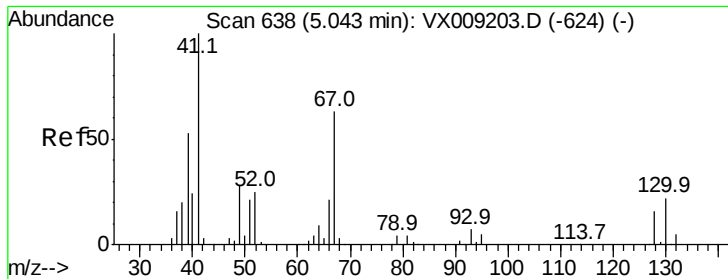
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#40
Benzene
Concen: 21.687 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009486.D
Acq: 10 May 2019 17:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.8	28.2





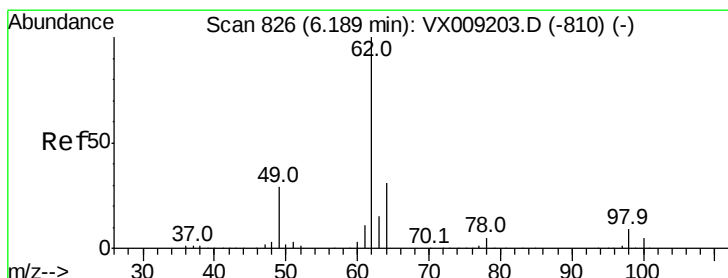
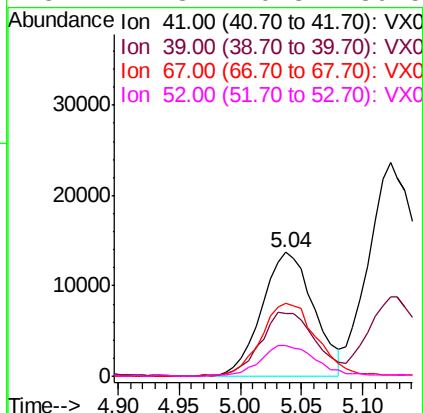
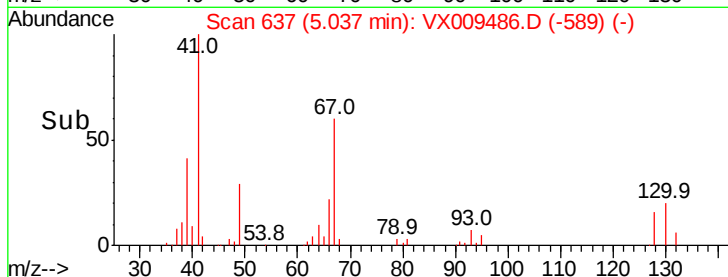
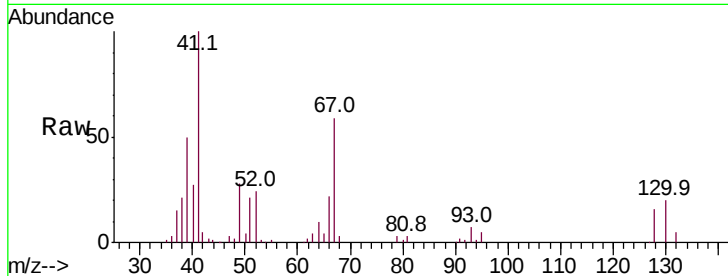
#41
Methacrylonitrile
Concen: 20.542 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009486.D
Acq: 10 May 2019 17:19

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBS02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	55.7	42.0	63.0	
67	63.1	49.8	74.8	
52	27.3	20.3	30.5	

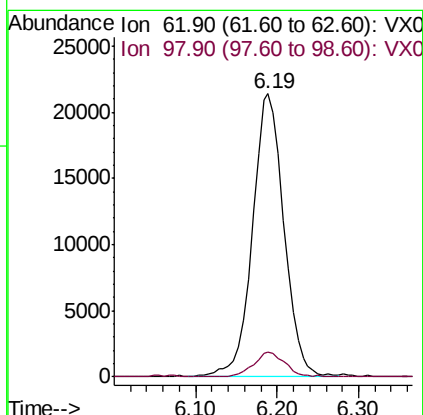
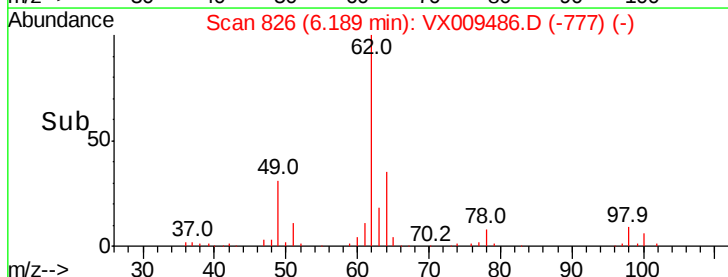
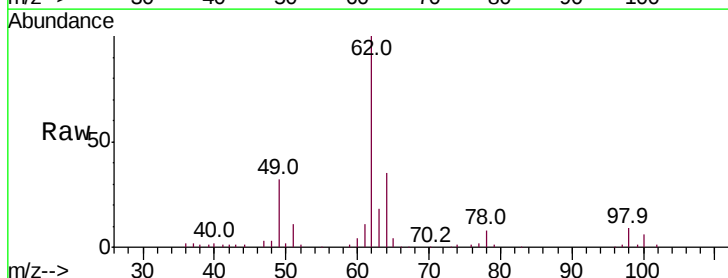
Manual Integrations
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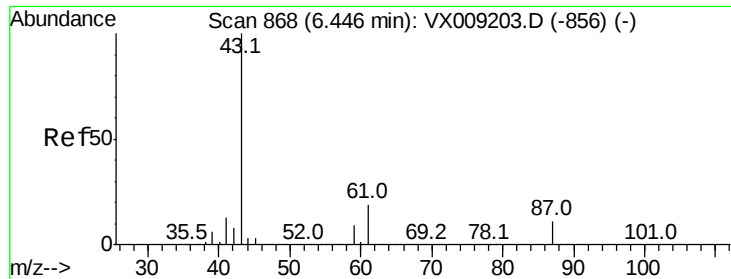
MMDadoda
5/11/2019 11:52:56 AM



#42
1,2-Dichloroethane
Concen: 21.785 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009486.D
Acq: 10 May 2019 17:19

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	8.7	0.0	18.2	





#43

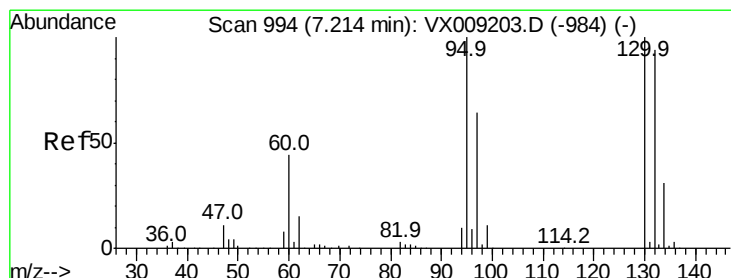
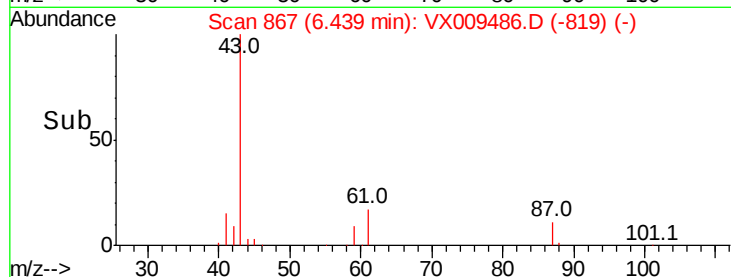
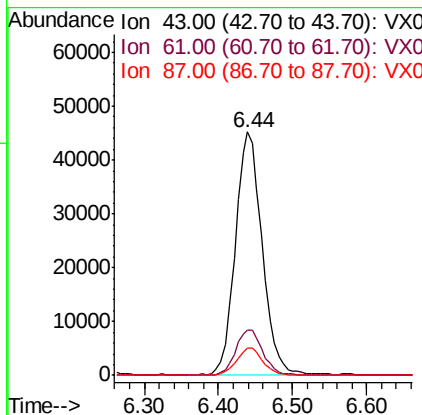
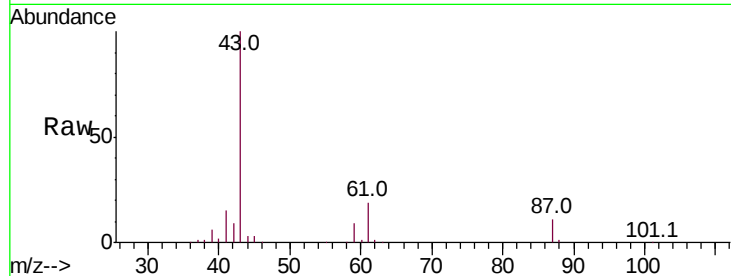
Isopropyl Acetate
 Concen: 21.289 ug/l
 RT: 6.44 min Scan# 867
 Delta R.T. -0.01 min
 Lab File: VX009486.D
 Acq: 10 May 2019 17:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.1	22.7
87	11.1	9.0	13.6

Manual Integrations
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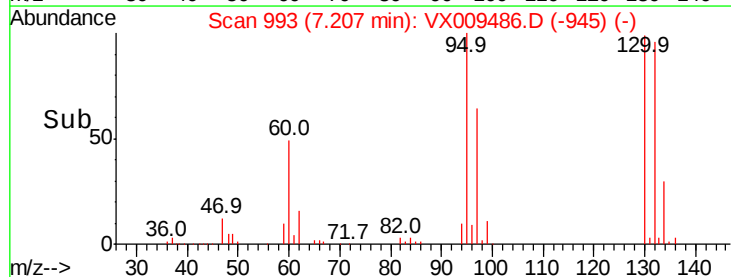
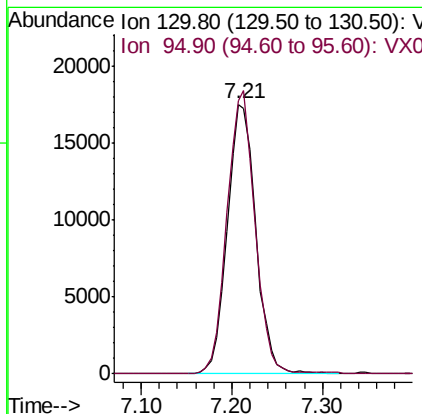
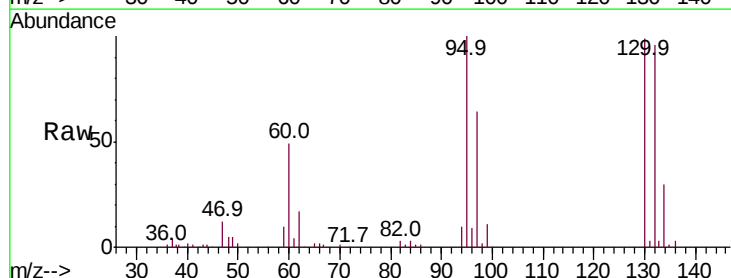
MMDadoda
 5/11/2019 11:52:56 AM

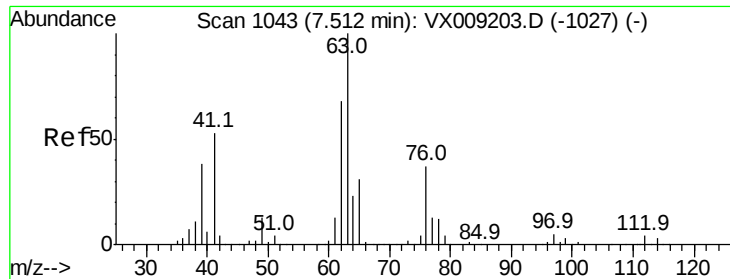


#44

Trichloroethene
 Concen: 21.416 ug/l
 RT: 7.21 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VX009486.D
 Acq: 10 May 2019 17:19

Tgt Ion	Ratio	Lower	Upper
130	100		
95	101.0	0.0	199.2





#45

1,2-Dichloropropane

Concen: 21.790 ug/l

RT: 7.51 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS02

Tot Ion: 63 Resp: 45590

Ion Ratio Lower Upper

63 100

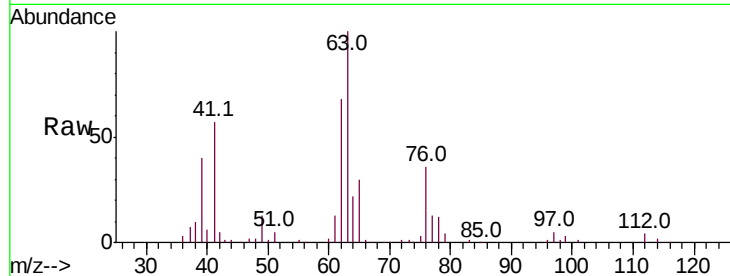
65 30.3 25.0 37.6

Manual Integrations

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Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 64.90 (64.60 to 65.60): VX0

7.51

25000

20000

15000

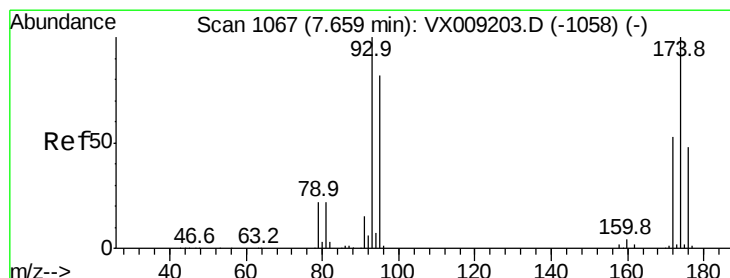
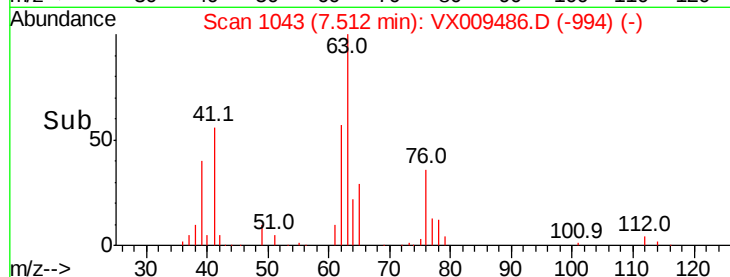
10000

5000

0

Time-->

7.40 7.50 7.60



#46

Dibromomethane

Concen: 21.407 ug/l

RT: 7.66 min Scan# 1067

Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

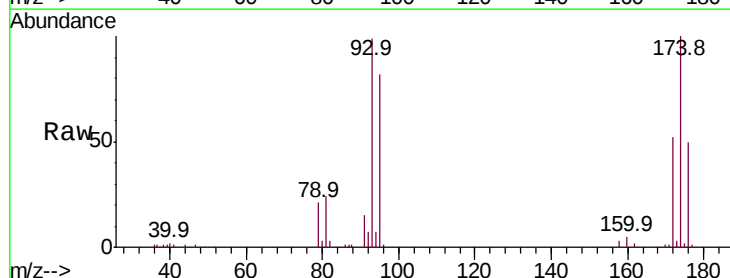
Tgt Ion: 93 Resp: 26009

Ion Ratio Lower Upper

93 100

95 83.9 66.5 99.7

174 102.5 82.1 123.1



Abundance Ion 92.80 (92.50 to 93.50): VX0

Ion 94.80 (94.50 to 95.50): VX0

Ion 173.70 (173.40 to 174.40): V

15000

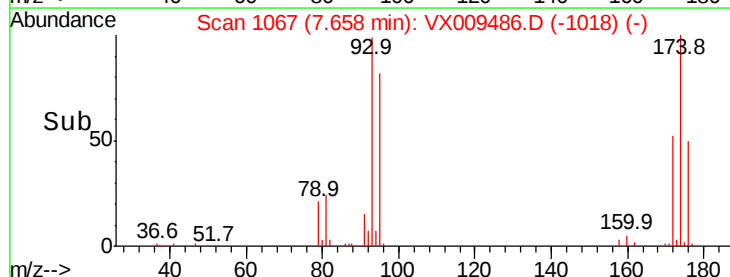
10000

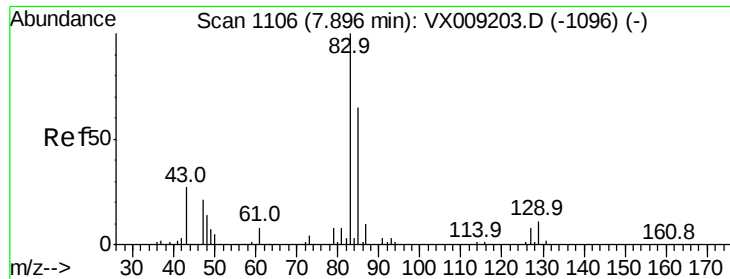
5000

0

Time-->

7.60 7.70 7.80





#47

Bromodichloromethane

Concen: 21.140 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Instrument :

MSVOA_X

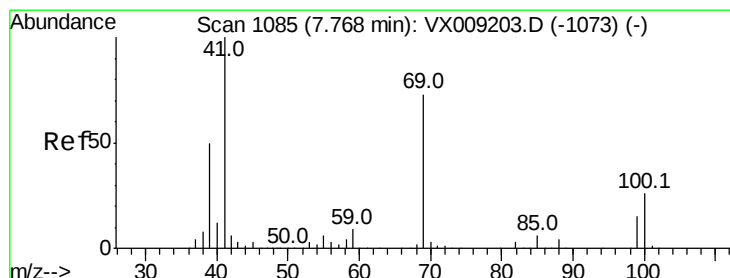
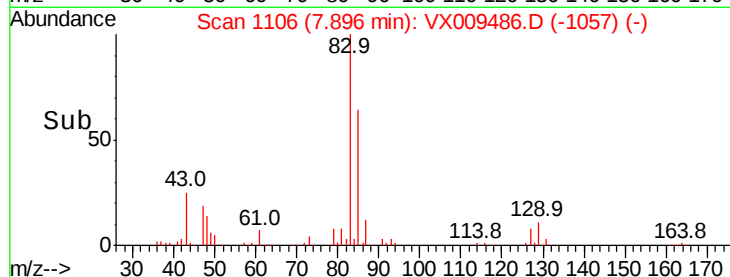
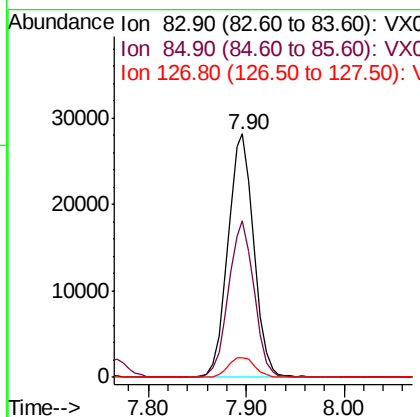
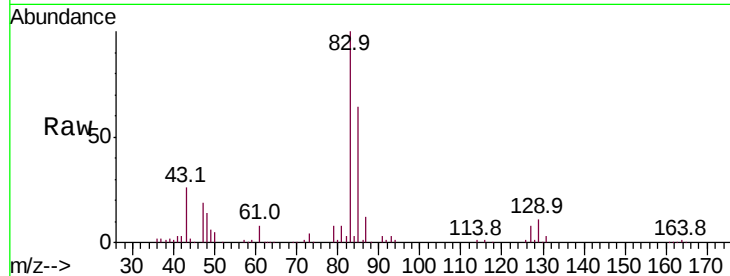
ClientSampleId :

VX0510WBS02

Tot Ion:	83	Resp:	51234
Ion	Ratio	Lower	Upper
83	100		
85	64.2	52.4	78.6
127	8.3	6.6	10.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.736 ug/l

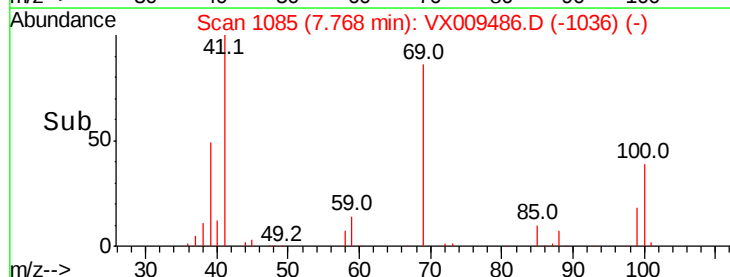
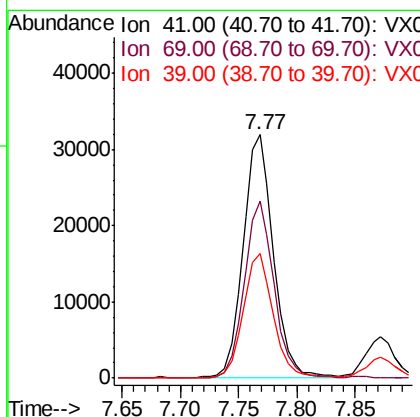
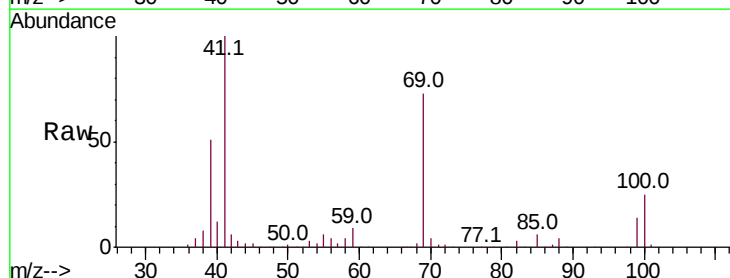
RT: 7.77 min Scan# 1085

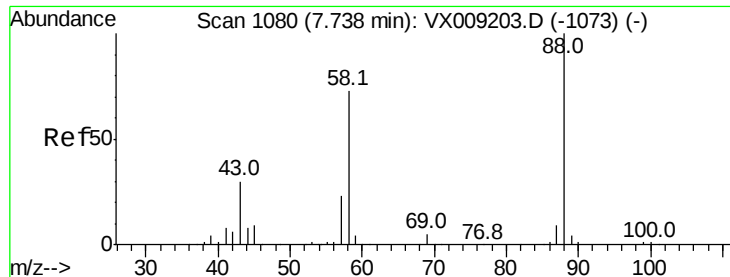
Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Tgt Ion:	41	Resp:	57378
Ion	Ratio	Lower	Upper
41	100		
69	71.9	59.1	88.7
39	51.4	40.4	60.6





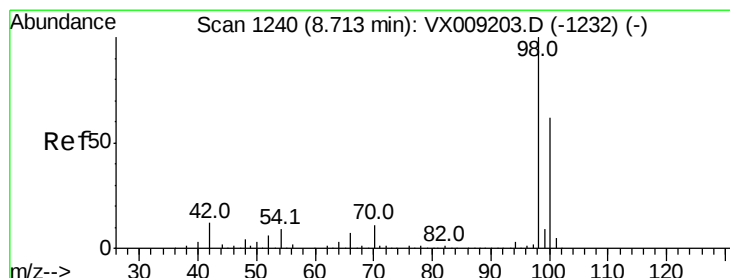
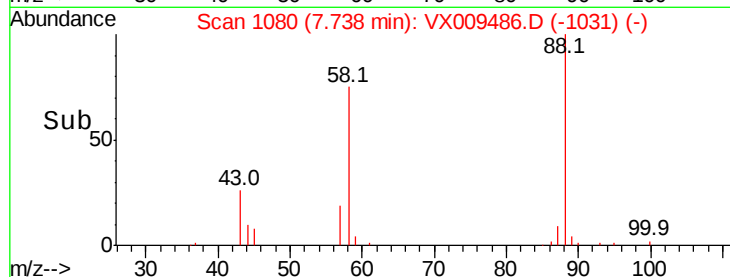
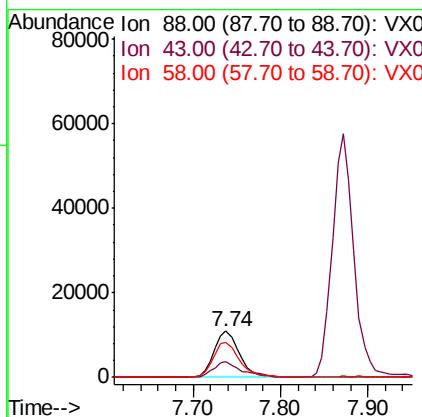
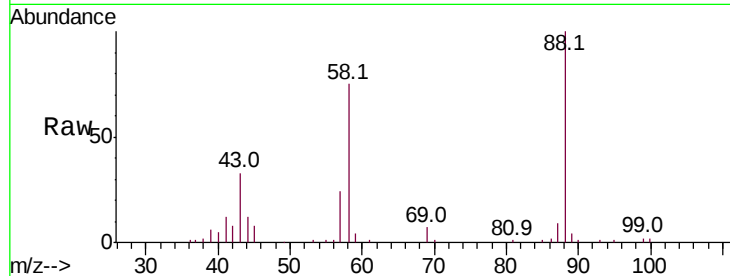
#49
 1,4-Dioxane
 Concen: 414.232 ug/l
 RT: 7.74 min Scan# 1080
 Delta R.T. -0.00 min
 Lab File: VX009486.D
 Acq: 10 May 2019 17:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	36.2	28.6	42.8
58	78.5	61.7	92.5

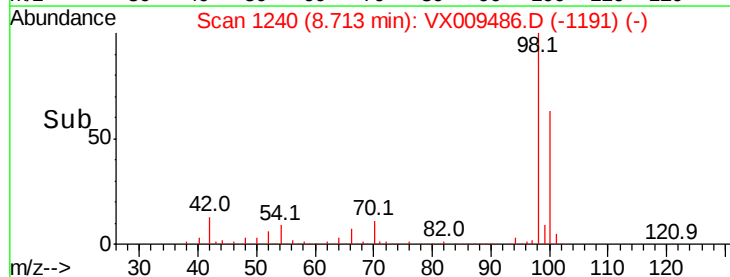
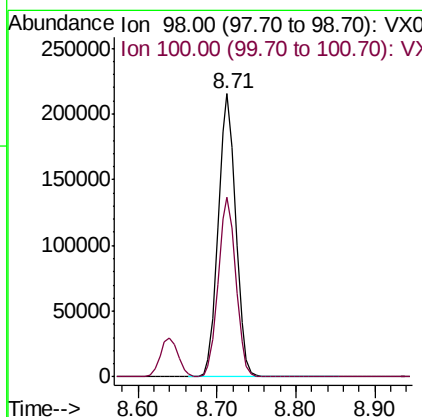
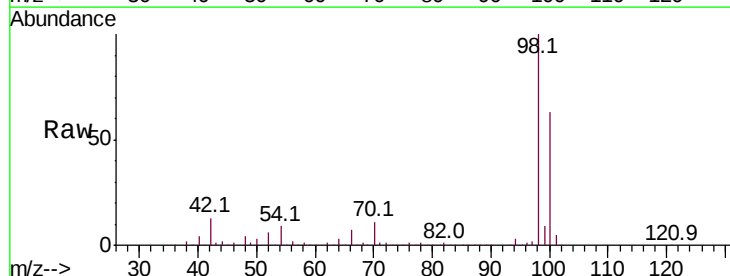
Manual Integrations
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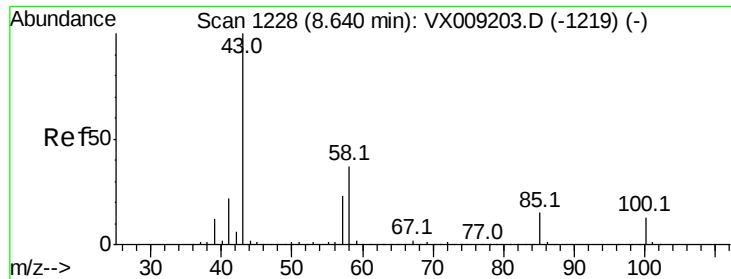
MMDadoda
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#50
 Toluene-d8
 Concen: 51.131 ug/l
 RT: 8.71 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VX009486.D
 Acq: 10 May 2019 17:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 106.874 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS02

Tot Ion: 43 Resp: 371691

Ion Ratio Lower Upper

43 100

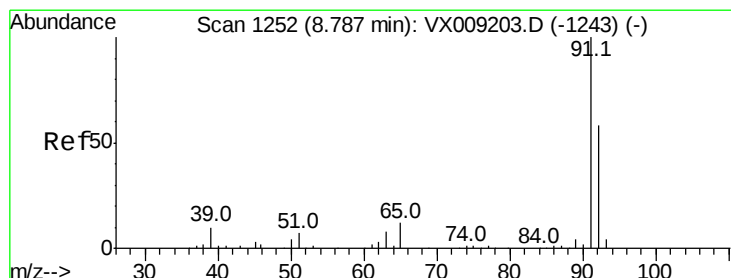
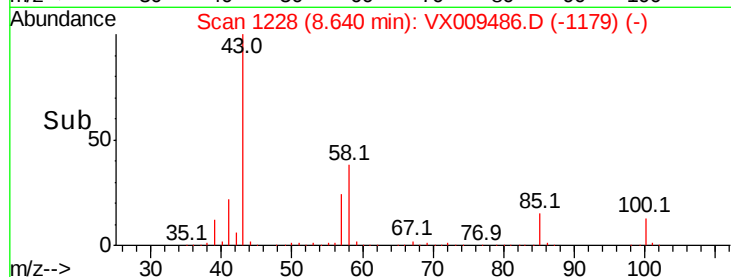
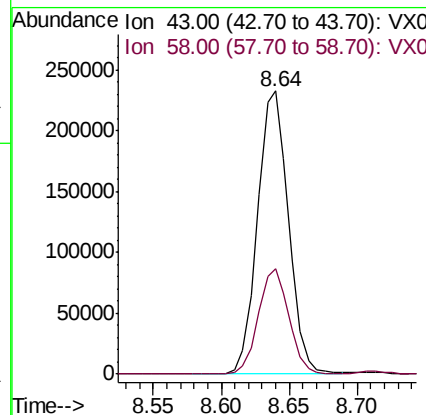
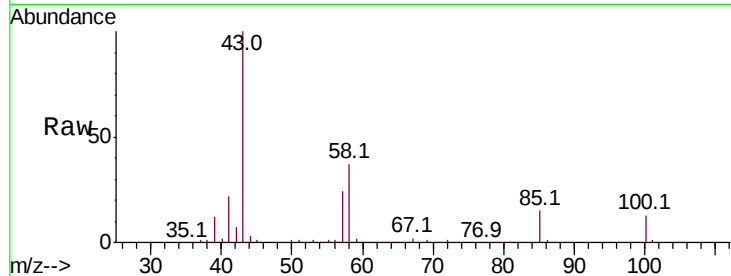
58 36.7 29.5 44.3

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5/11/2019 11:52:56 AM



#52

Toluene

Concen: 21.804 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009486.D

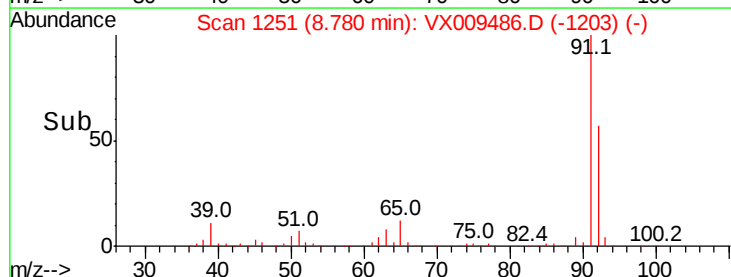
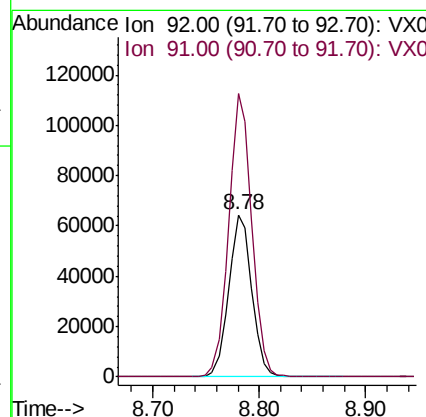
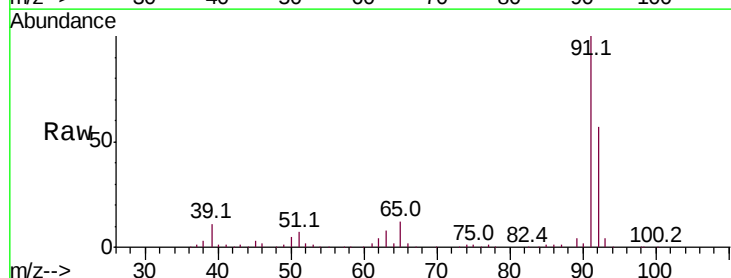
Acq: 10 May 2019 17:19

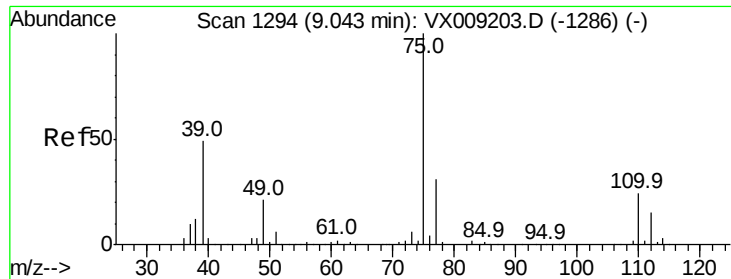
Tgt Ion: 92 Resp: 97932

Ion Ratio Lower Upper

92 100

91 174.3 138.8 208.2





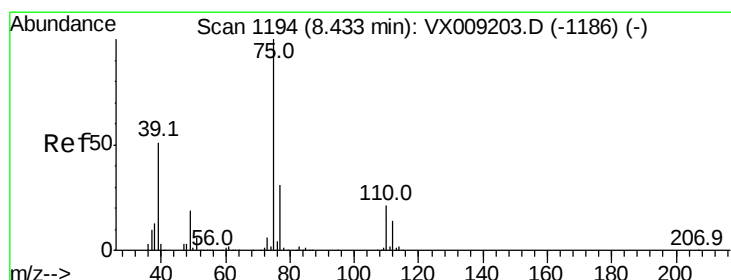
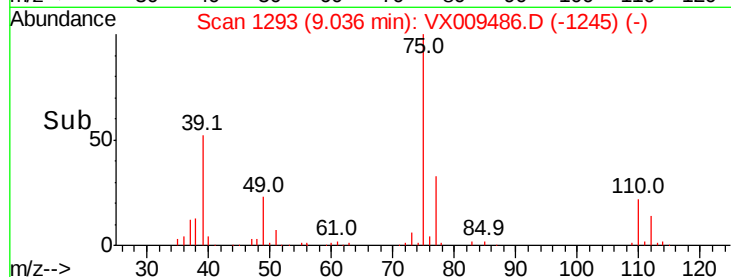
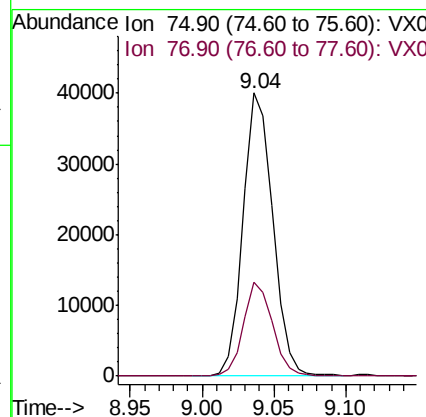
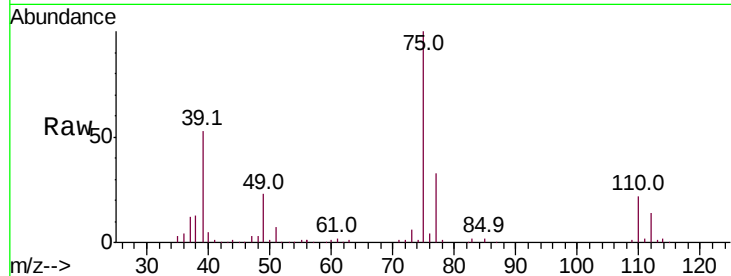
#53
 t-1,3-Dichloropropene
 Concen: 21.053 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: VX009486.D
 Acq: 10 May 2019 17:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBS02

Tot Ion: 75 Resp: 57605
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.0 37.6

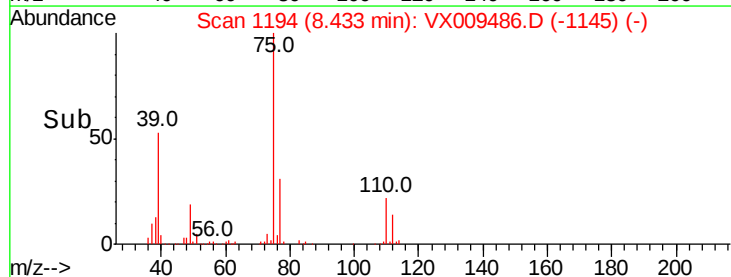
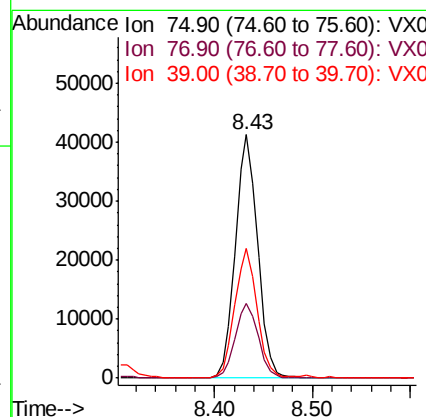
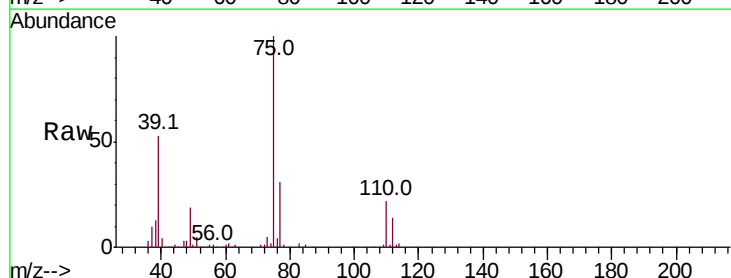
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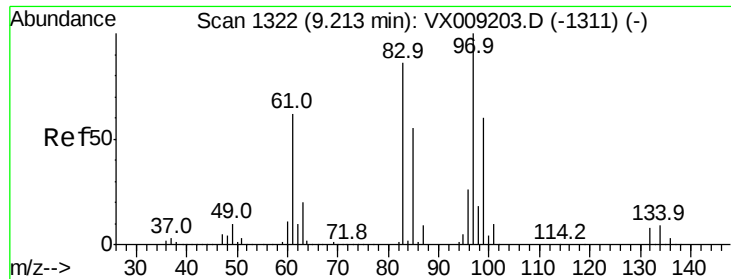
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#54
 cis-1,3-Dichloropropene
 Concen: 21.558 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009486.D
 Acq: 10 May 2019 17:19

Tgt Ion: 75 Resp: 65289
 Ion Ratio Lower Upper
 75 100
 77 30.7 24.6 36.8
 39 53.0 40.6 60.8





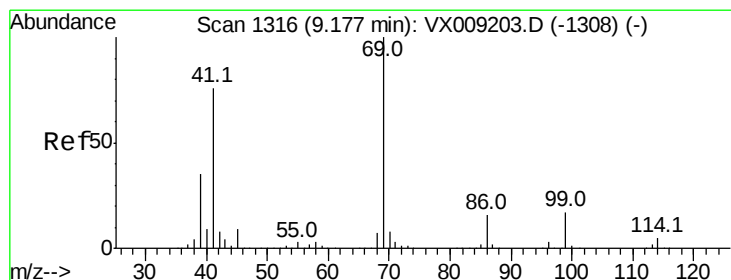
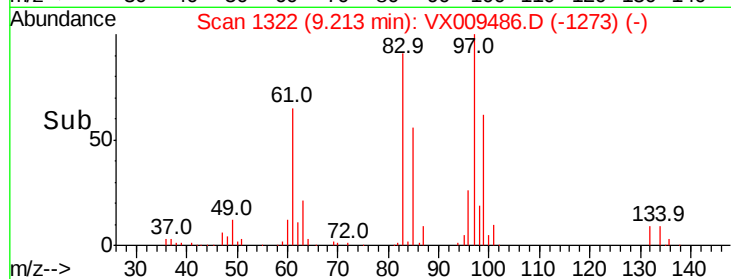
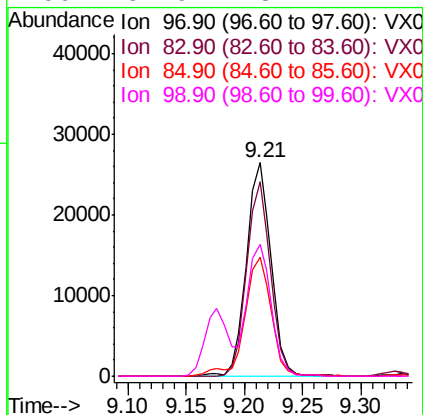
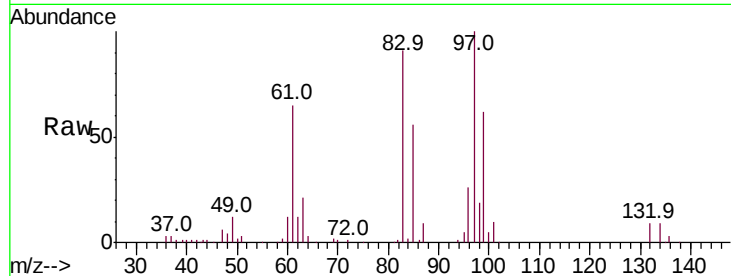
#55
 1,1,2-Trichloroethane
 Concen: 21.428 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009486.D
 Acq: 10 May 2019 17:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBS02

Tot Ion:	97	Resp:	39264
Ion	Ratio	Lower	Upper
97	100		
83	91.2	68.9	103.3
85	55.7	43.8	65.6
99	61.9	48.2	72.2

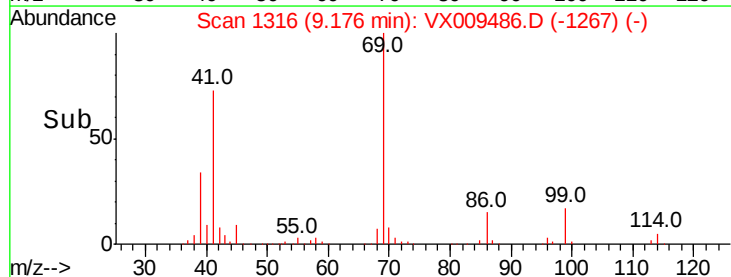
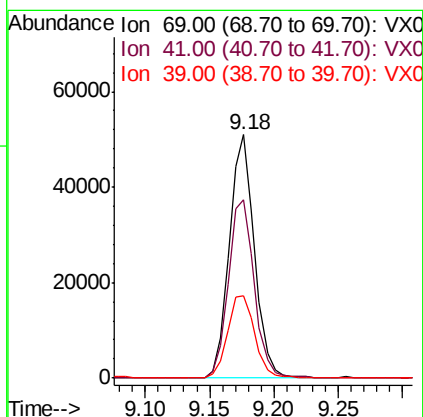
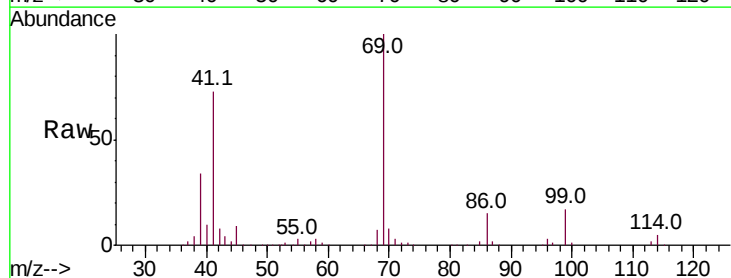
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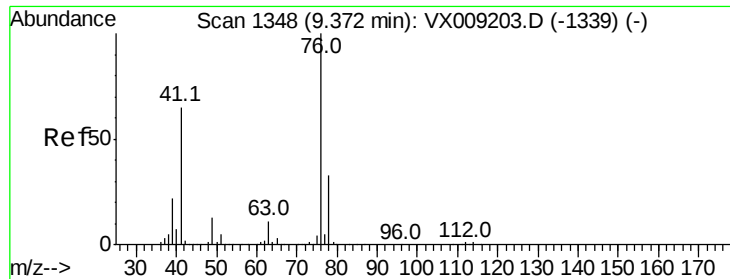
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 5/11/2019 11:52:56 AM



#56
 Ethyl methacrylate
 Concen: 21.390 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009486.D
 Acq: 10 May 2019 17:19

Tgt Ion:	69	Resp:	69966
Ion	Ratio	Lower	Upper
69	100		
41	75.3	60.6	90.8
39	36.3	28.2	42.4





#57

1,3-Dichloropropane

Concen: 21.463 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS02

Tot Ion: 76 Resp: 69209

Ion Ratio Lower Upper

76 100

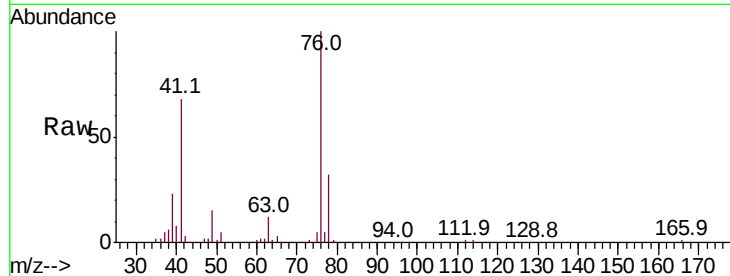
78 32.5 25.5 38.3

Manual Integrations

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MMDadoda

5/11/2019 11:52:56 AM



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

9.37

50000

40000

30000

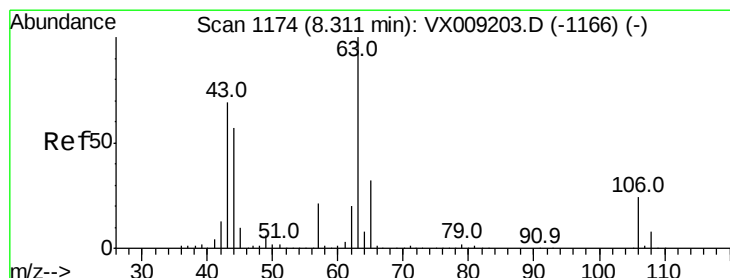
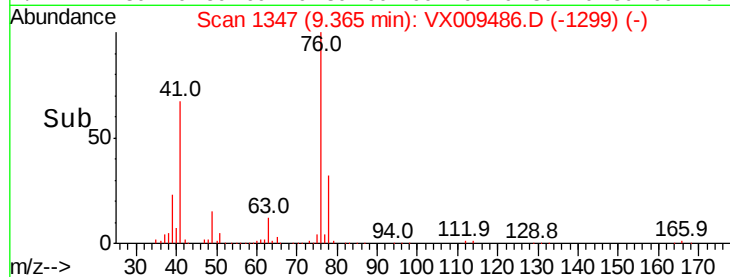
20000

10000

0

9.30 9.35 9.40 9.45

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 96.037 ug/l

RT: 8.31 min Scan# 1174

Delta R.T. -0.00 min

Lab File: VX009486.D

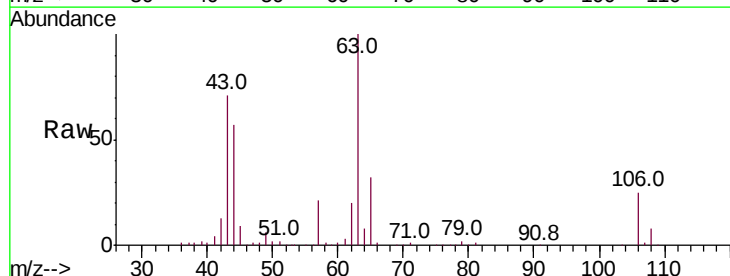
Acq: 10 May 2019 17:19

Tgt Ion: 63 Resp: 166645

Ion Ratio Lower Upper

63 100

106 24.3 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

120000

100000

80000

60000

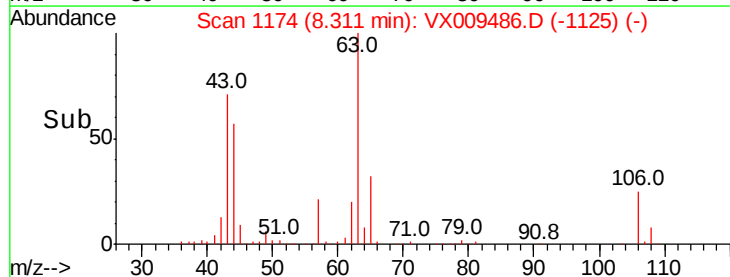
40000

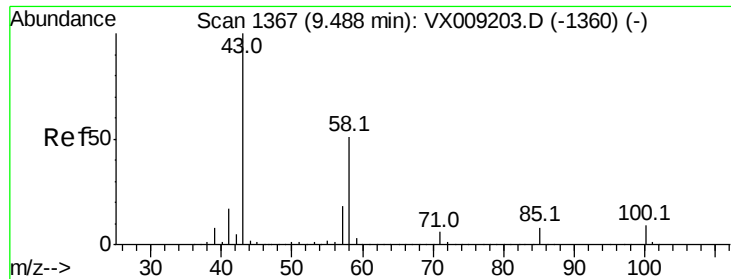
20000

0

8.20 8.25 8.30 8.35 8.40

Time-->





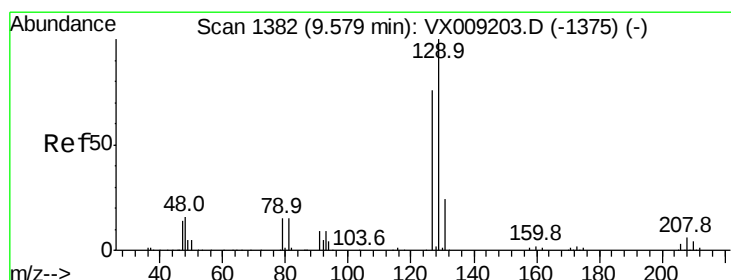
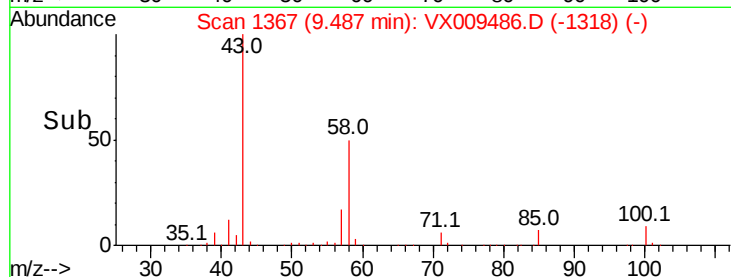
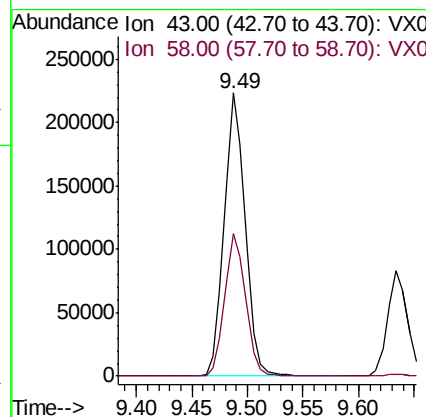
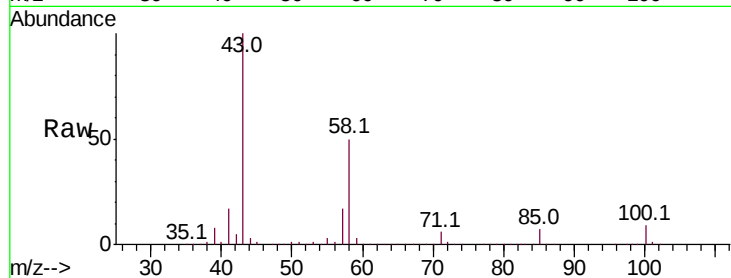
#59
2-Hexanone
Concen: 106.975 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009486.D
Acq: 10 May 2019 17:19

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBS02

Tot Ion: 43 Resp: 292196
Ion Ratio Lower Upper
43 100
58 50.3 25.9 77.7

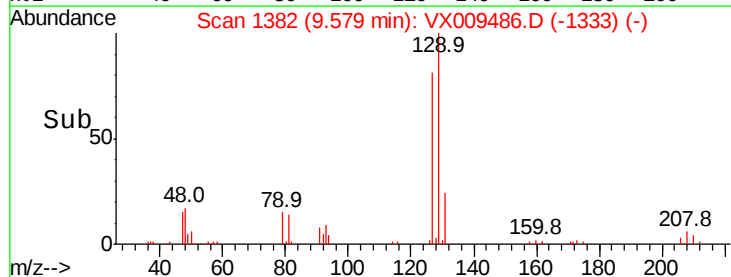
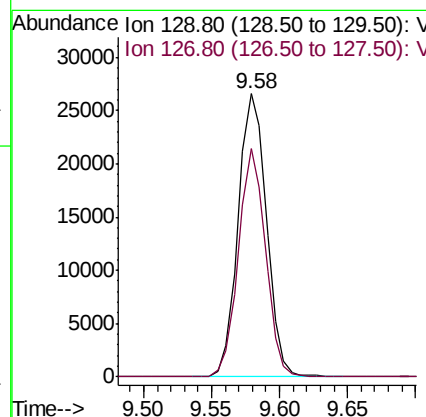
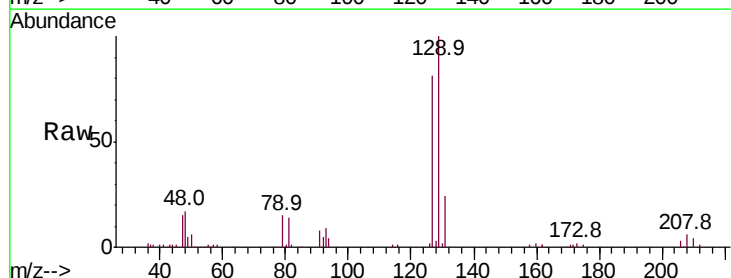
Manual Integrations
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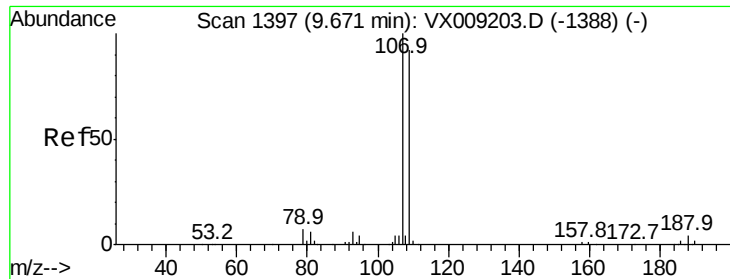
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#60
Dibromochloromethane
Concen: 21.535 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009486.D
Acq: 10 May 2019 17:19

Tgt Ion: 129 Resp: 38541
Ion Ratio Lower Upper
129 100
127 77.3 38.4 115.1





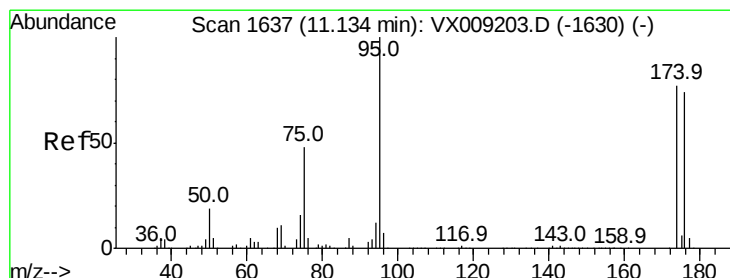
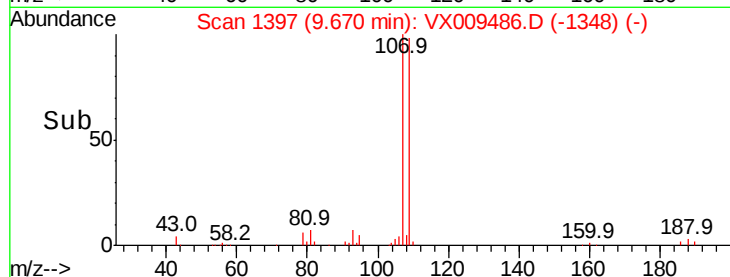
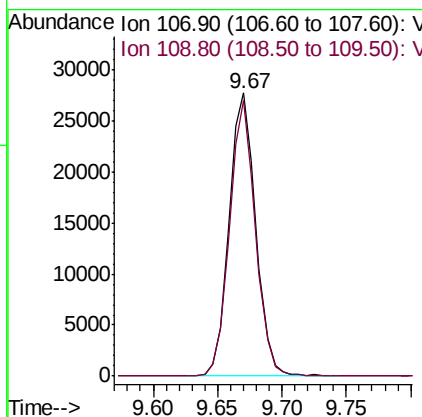
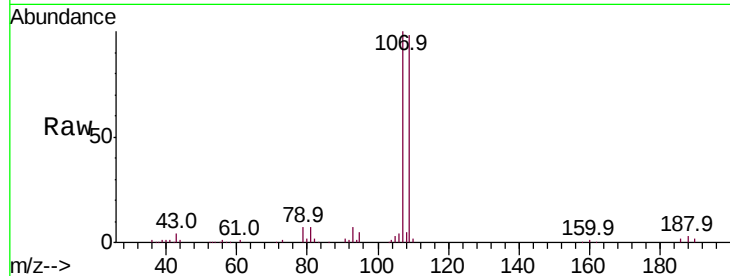
#61
 1,2-Dibromoethane
 Concen: 21.684 ug/l
 RT: 9.67 min Scan# 1397
 Delta R.T. -0.00 min
 Lab File: VX009486.D
 Acq: 10 May 2019 17:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBS02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.6	75.2	112.8

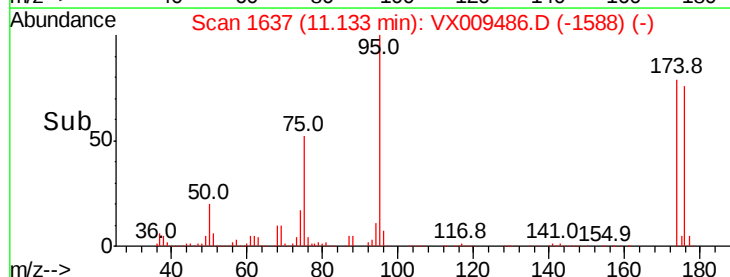
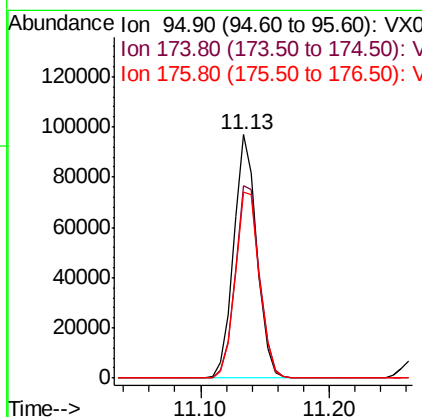
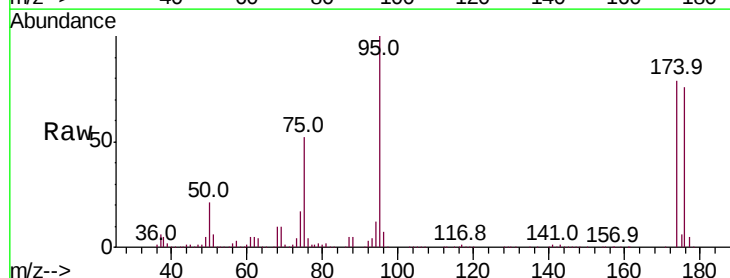
Manual Integrations
 APPROVED

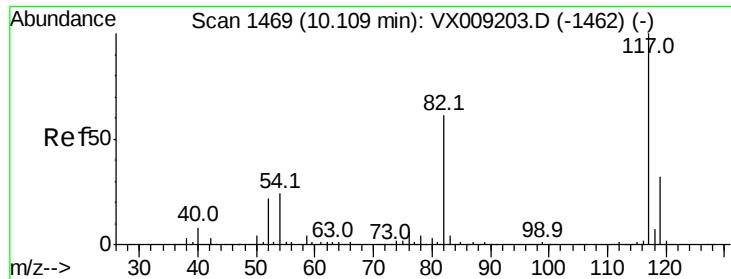
MMDadoda
 5/11/2019 11:52:56 AM



#62
 4-Bromofluorobenzene
 Concen: 51.113 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX009486.D
 Acq: 10 May 2019 17:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	82.9	0.0	161.6
176	80.3	0.0	159.2





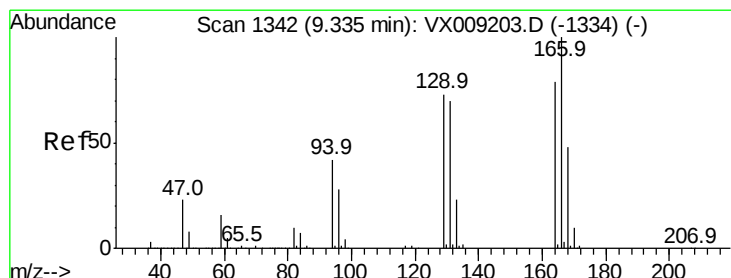
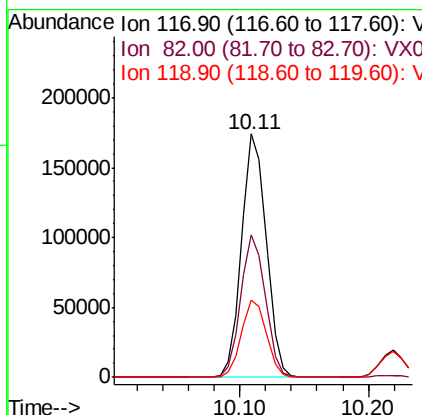
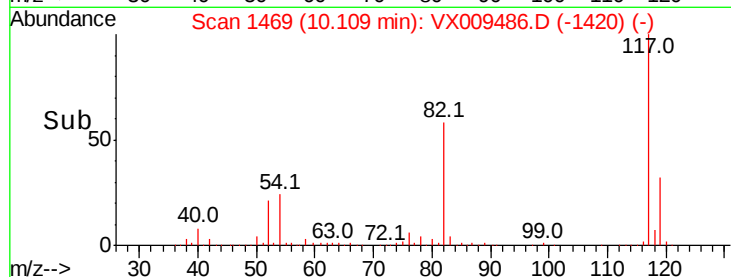
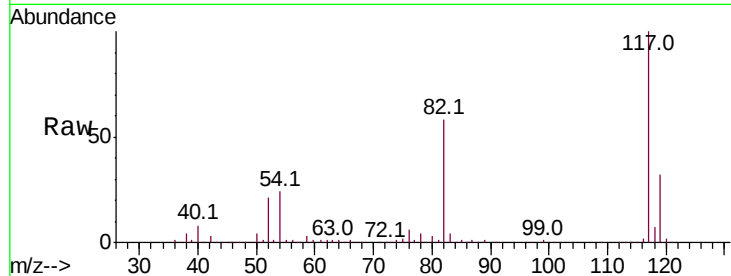
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009486.D
Acq: 10 May 2019 17:19

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBS02

Tot Ion:	117	Resp:	230966
Ion Ratio	Lower	Upper	
117	100		
82	58.4	48.8	73.2
119	32.0	25.8	38.6

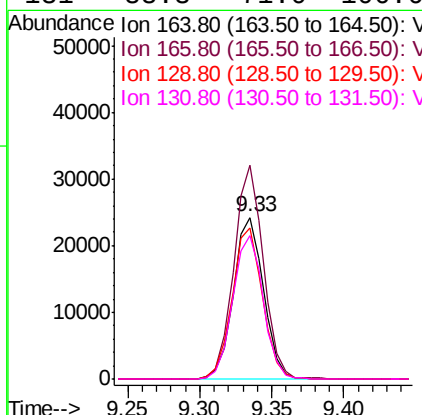
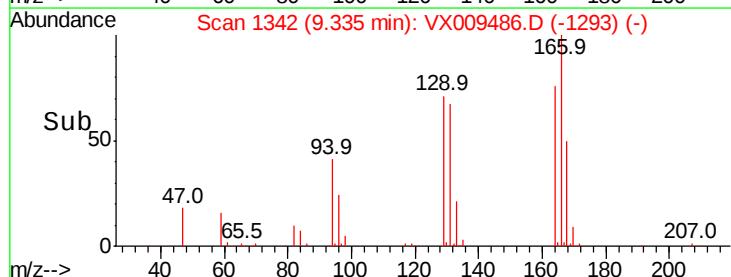
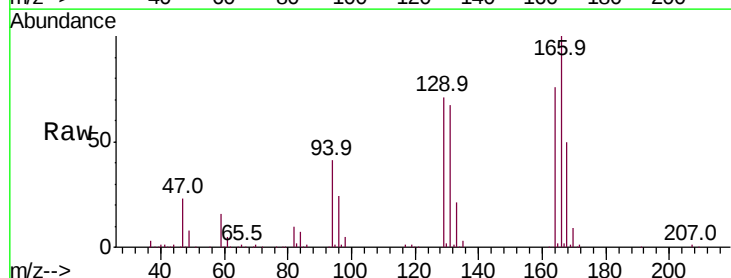
Manual Integrations
APPROVED

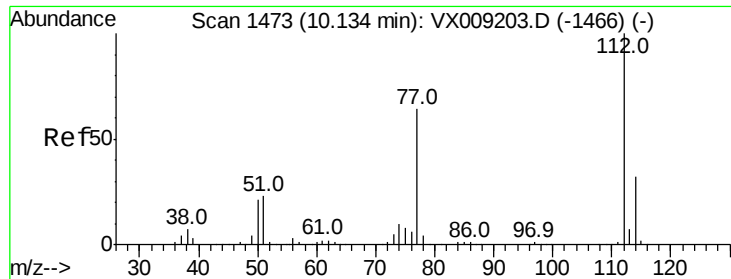
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#64
Tetrachloroethene
Concen: 22.343 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009486.D
Acq: 10 May 2019 17:19

Tgt Ion:	164	Resp:	35399
Ion Ratio	Lower	Upper	
164	100		
166	132.0	101.2	151.8
129	93.2	74.3	111.5
131	88.3	71.0	106.6





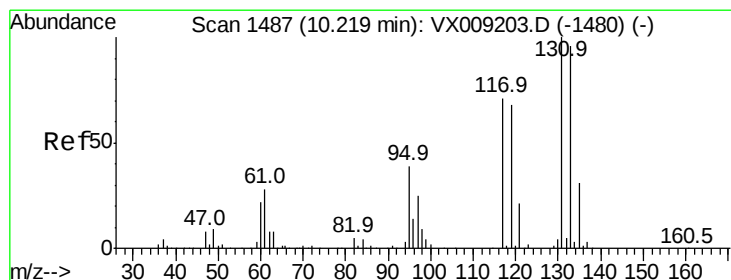
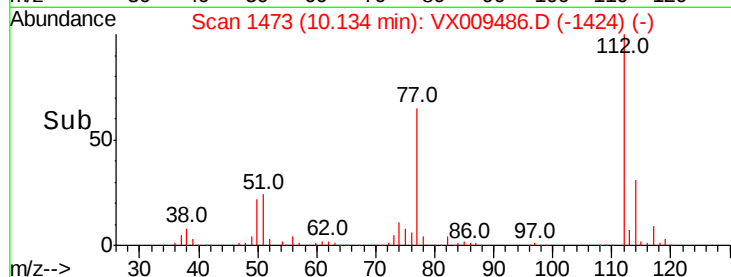
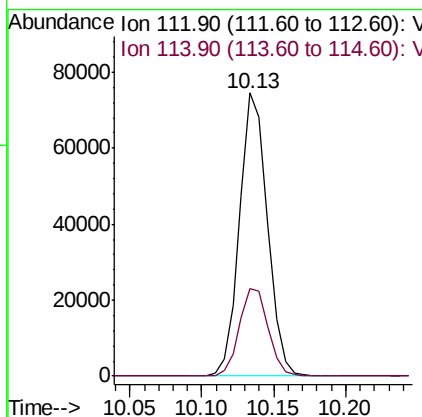
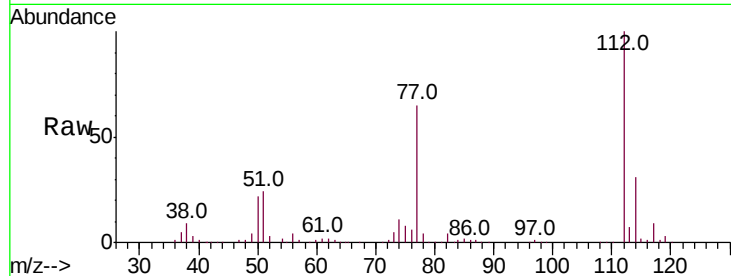
#65
Chlorobenzene
Concen: 21.707 ug/l
RT: 10.13 min Scan# 1473
Delta R.T. -0.00 min
Lab File: VX009486.D
Acq: 10 May 2019 17:19

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBS02

Tot Ion:112 Resp: 100293
Ion Ratio Lower Upper
112 100
114 30.8 25.5 38.3

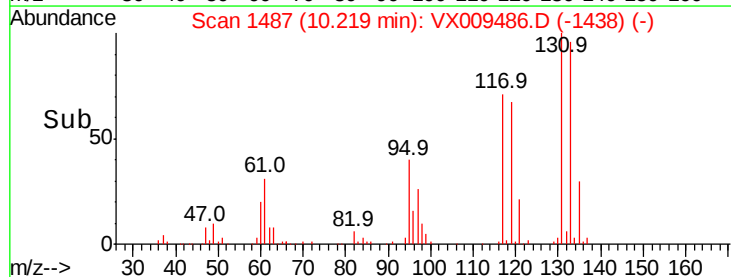
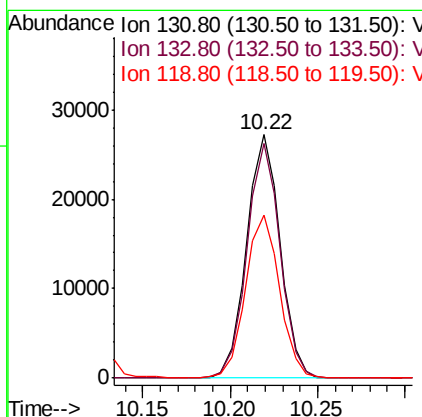
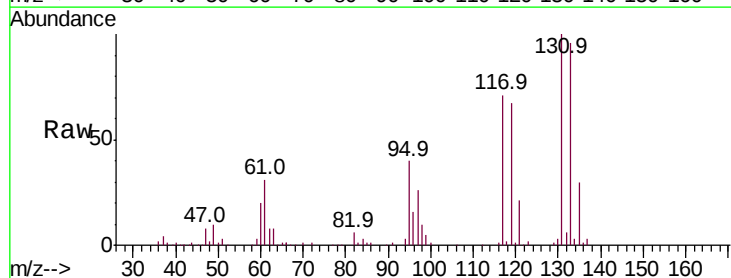
Manual Integrations
APPROVED

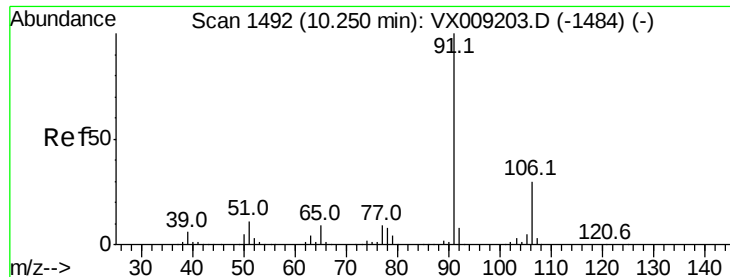
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.652 ug/l
RT: 10.22 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VX009486.D
Acq: 10 May 2019 17:19

Tgt Ion:131 Resp: 36269
Ion Ratio Lower Upper
131 100
133 95.0 47.7 143.1
119 68.0 33.5 100.4





#67

Ethyl Benzene

Concen: 22.096 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Instrument :

MSVOA_X

ClientSampled :

VX0510WBS02

Tot Ion: 91 Resp: 187887

Ion Ratio Lower Upper

91 100

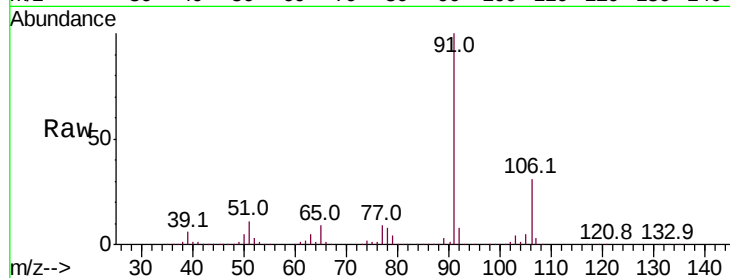
106 30.6 24.0 36.0

Manual Integrations

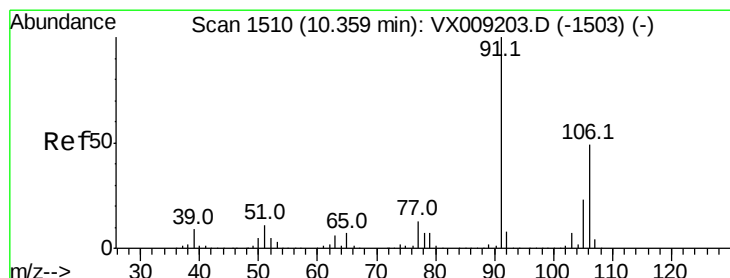
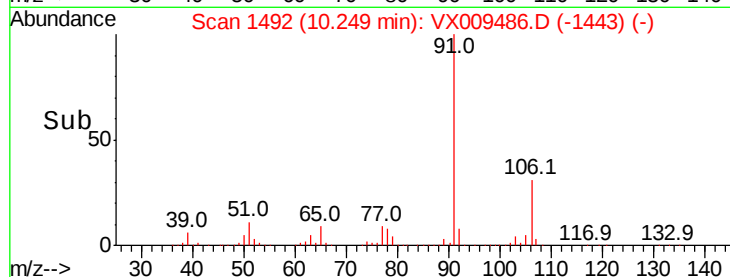
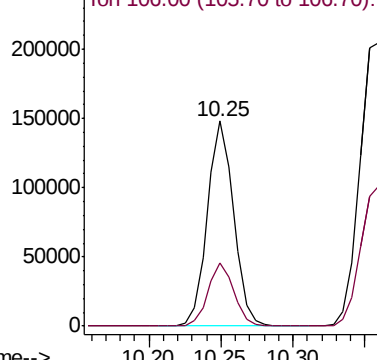
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Abundance Ion 91.00 (90.70 to 91.70): VX009203.D (-1484) (-)



#68

m/p-Xylenes

Concen: 44.888 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX009486.D

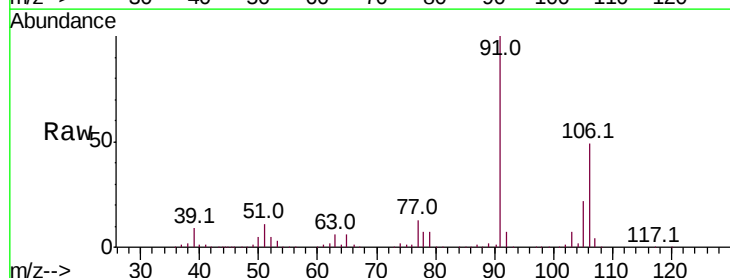
Acq: 10 May 2019 17:19

Tgt Ion: 106 Resp: 139481

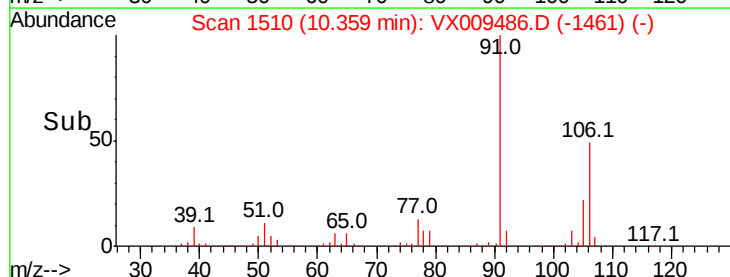
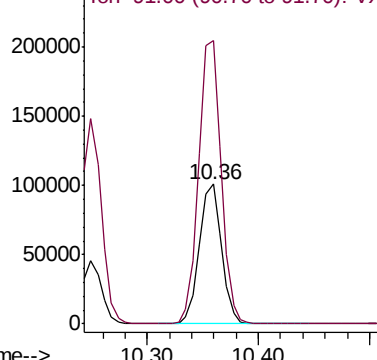
Ion Ratio Lower Upper

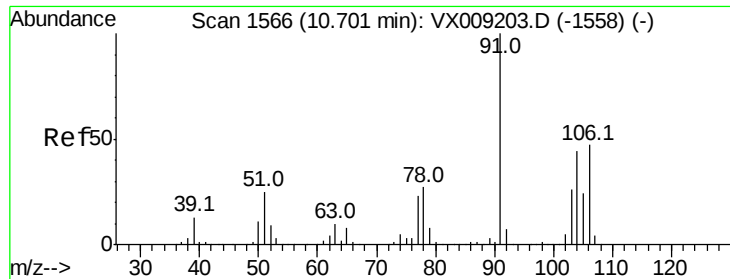
106 100

91 205.6 164.0 246.0



Abundance Ion 106.00 (105.70 to 106.70): VX009203.D (-1503) (-)





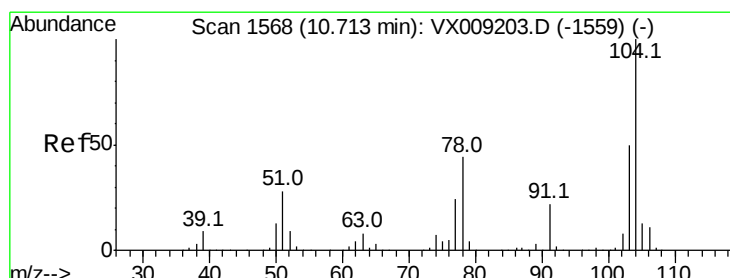
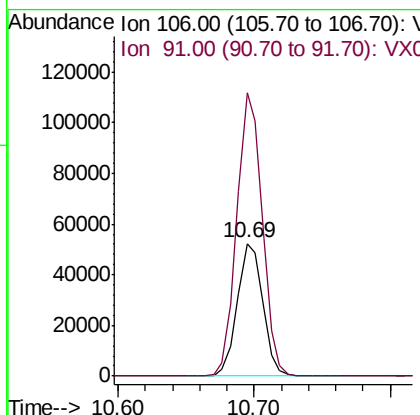
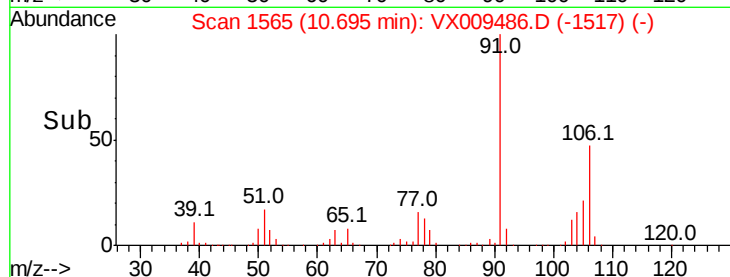
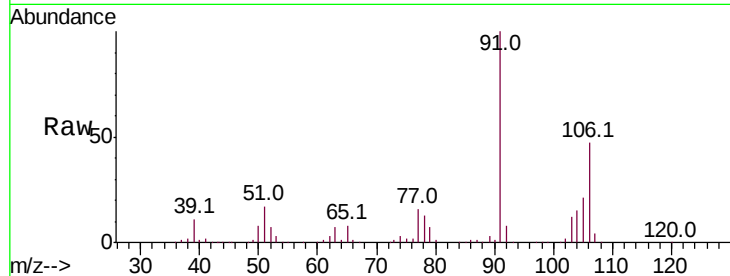
#69
o-Xylene
Concen: 22.308 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009486.D
Acq: 10 May 2019 17:19

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBS02

Tot Ion:106 Resp: 68392
Ion Ratio Lower Upper
106 100
91 213.1 109.5 328.4

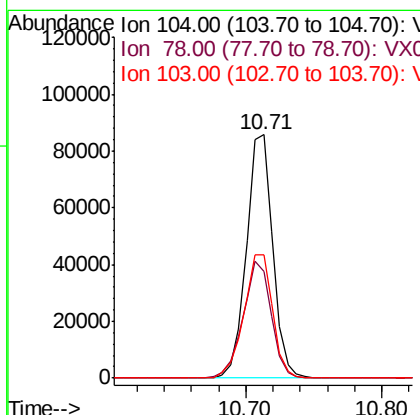
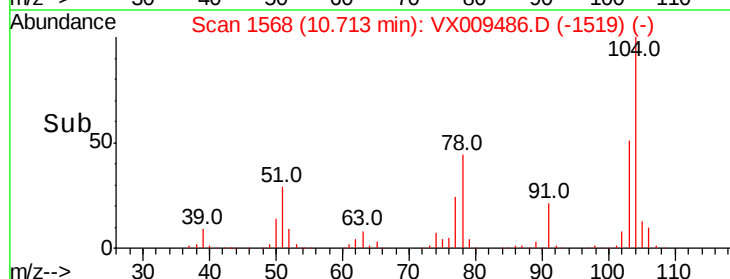
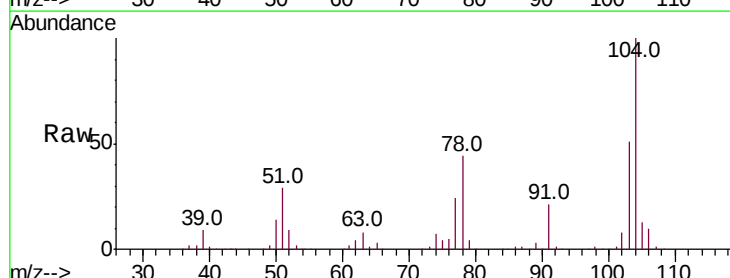
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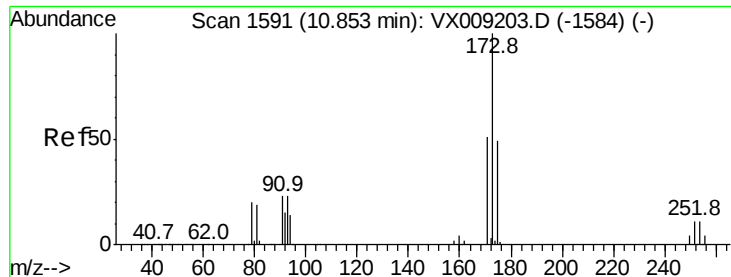
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#70
Styrene
Concen: 21.860 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX009486.D
Acq: 10 May 2019 17:19

Tgt Ion:104 Resp: 116486
Ion Ratio Lower Upper
104 100
78 51.1 41.0 61.4
103 55.4 43.8 65.6





#71

Bromoform

Concen: 20.694 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS02

Tot Ion:173 Resp: 28170

Ion Ratio Lower Upper

173 100

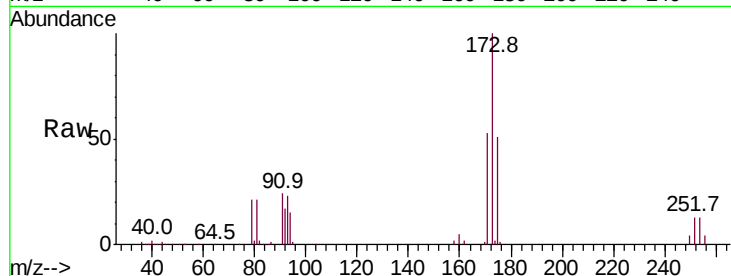
175 49.5 24.5 73.5

254 0.0 0.1 0.1#

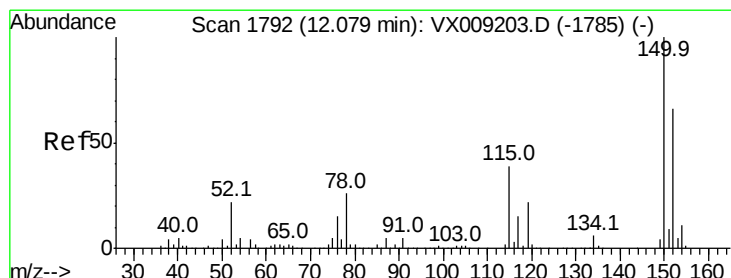
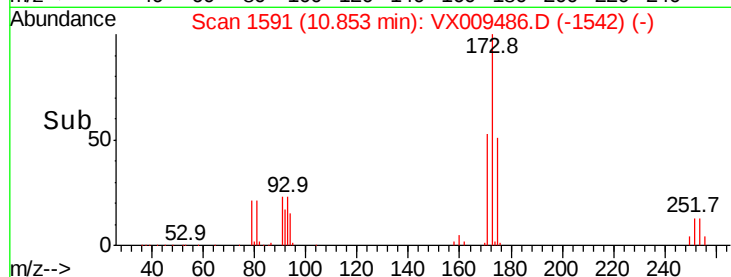
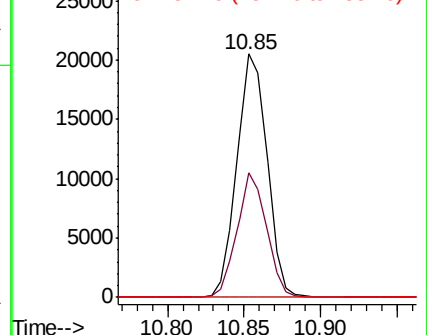
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

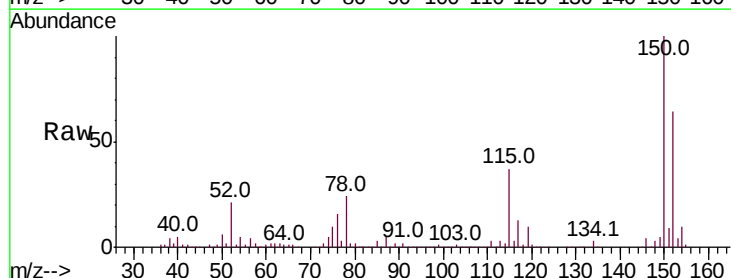
Tgt Ion:152 Resp: 114651

Ion Ratio Lower Upper

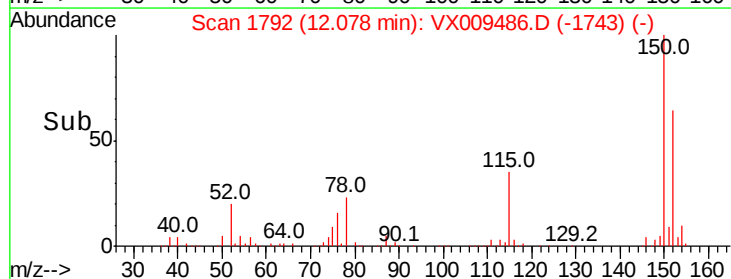
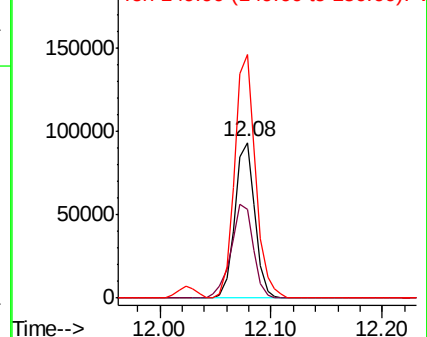
152 100

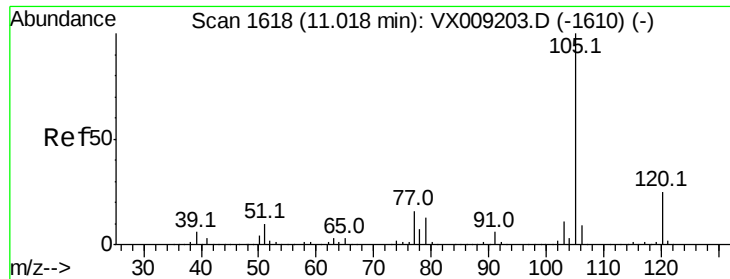
115 68.0 41.2 123.6

150 164.2 0.0 346.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.986 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS02

Tot Ion:105 Resp: 183306

Ion Ratio Lower Upper

105 100

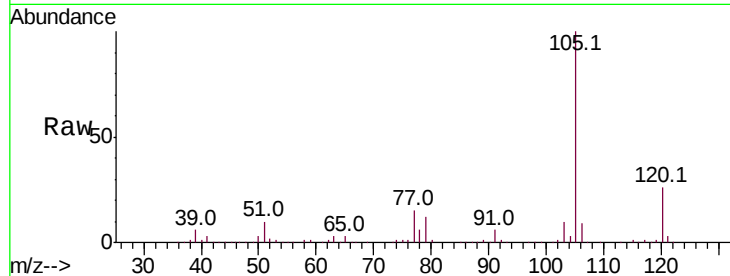
120 25.8 12.8 38.3

Manual Integrations

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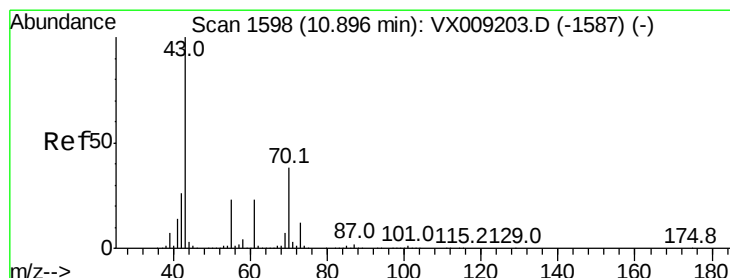
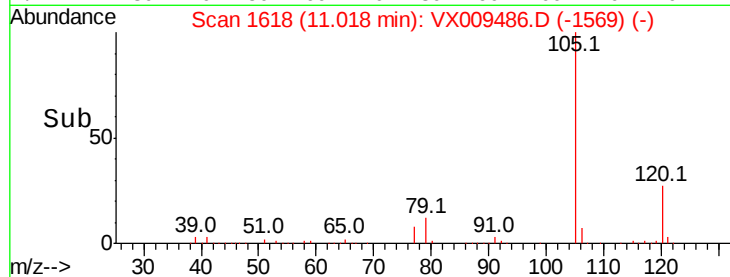
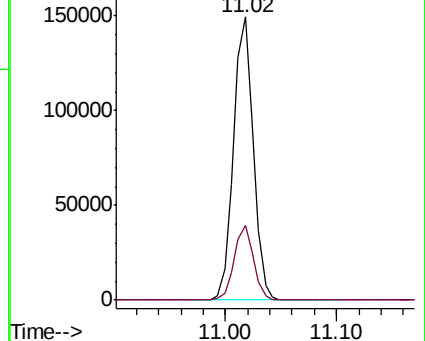
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.103 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Tgt Ion: 43 Resp: 102574

Ion Ratio Lower Upper

43 100

70 36.9 30.0 45.0

55 22.9 17.9 26.9

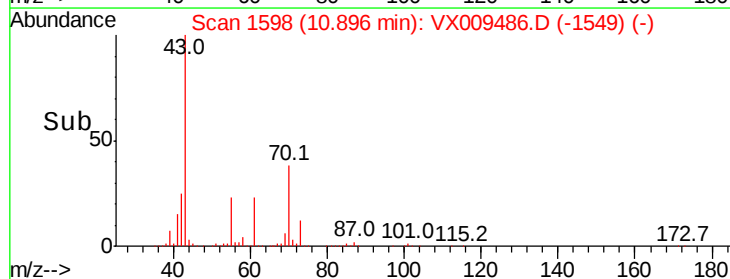
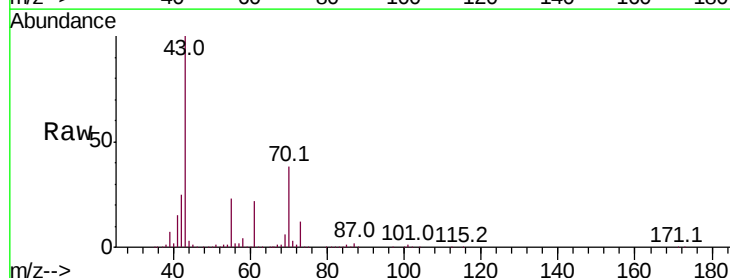
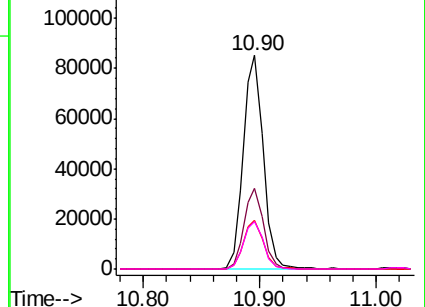
61 22.3 18.4 27.6

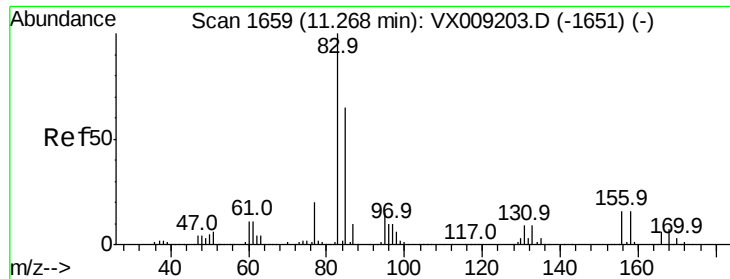
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#75

1,1,2,2-Tetrachloroethane

Concen: 20.676 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Instrument :

MSVOA_X

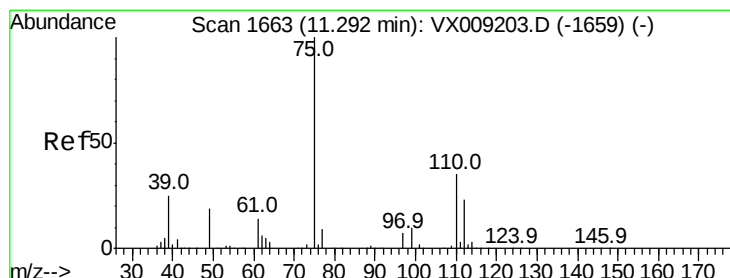
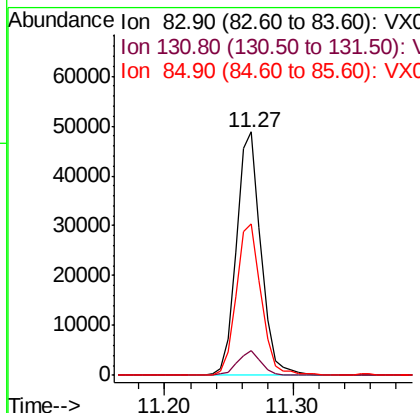
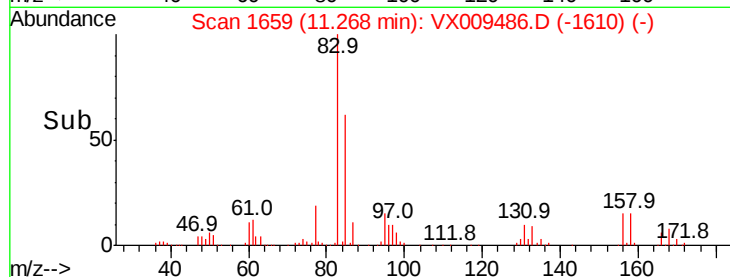
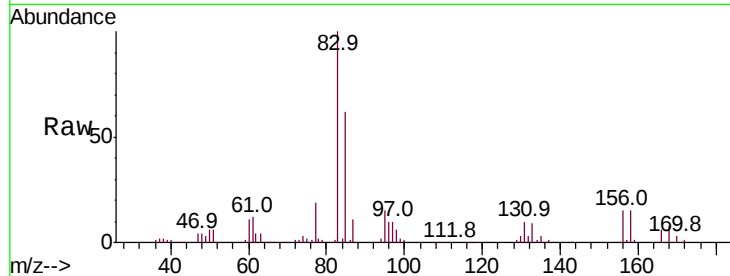
ClientSampleId :

VX0510WBS02

Tot Ion:	83	Resp:	64262
Ion Ratio	Lower	Upper	
83	100		
131	9.6	4.6	13.8
85	63.8	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 21.081 ug/l m

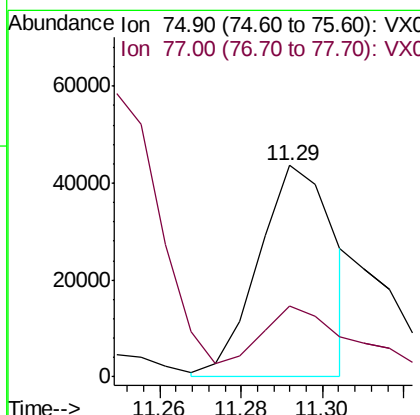
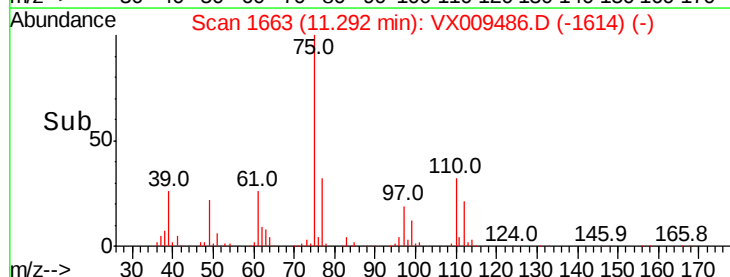
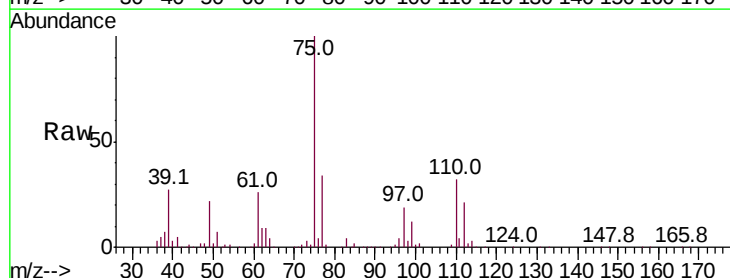
RT: 11.29 min Scan# 1663

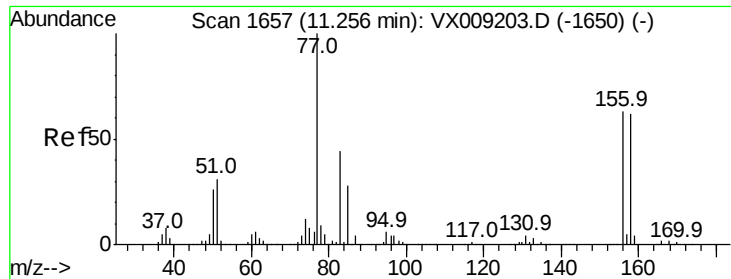
Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Tgt Ion:	75	Resp:	56065
Ion Ratio	Lower	Upper	
75	100		
77	43.3	22.1	66.1





#77

Bromobenzene

Concen: 21.318 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Instrument :

MSVOA_X

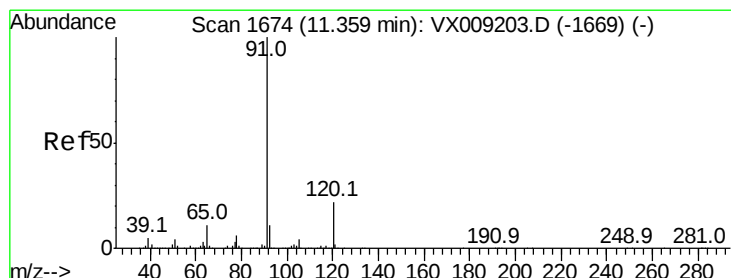
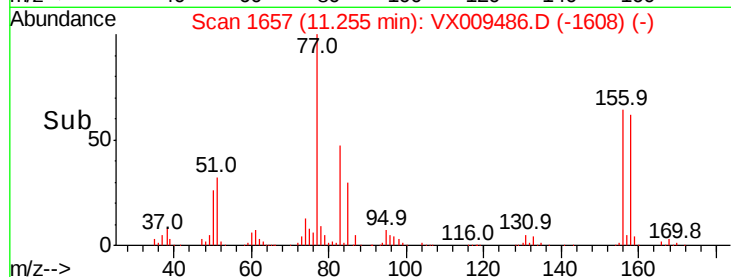
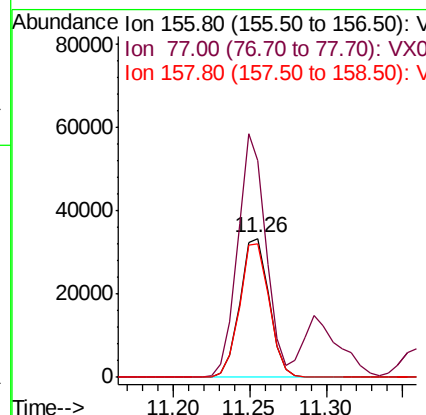
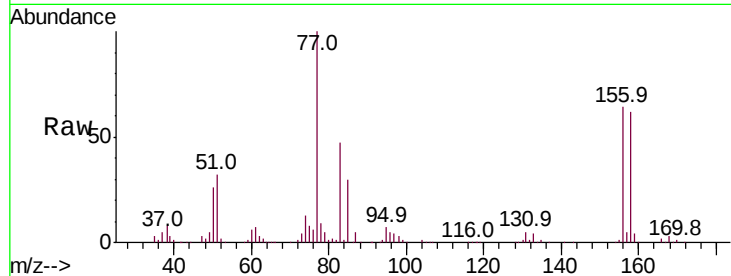
ClientSampleId :

VX0510WBS02

Tot Ion	Ratio	Lower	Upper
156	100		
77	169.0	84.8	254.3
158	97.5	49.1	147.3

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#78

n-propylbenzene

Concen: 22.106 ug/l

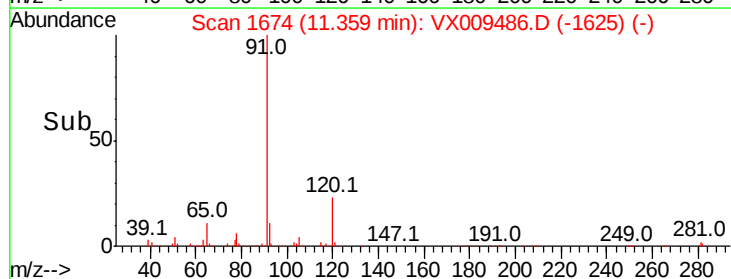
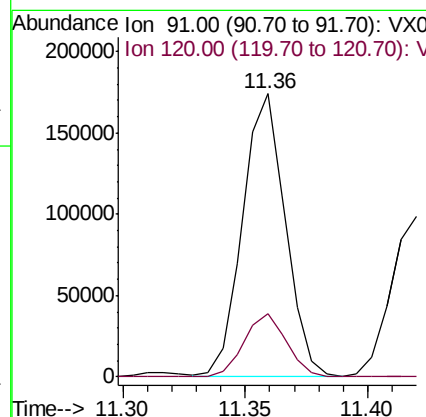
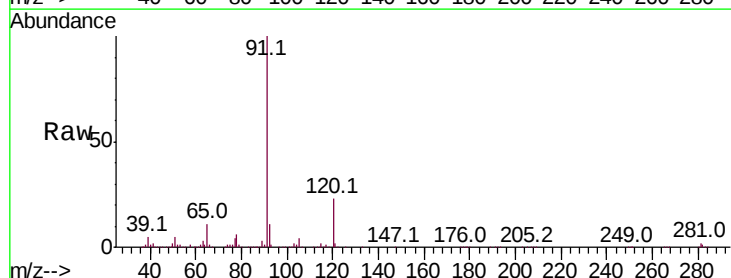
RT: 11.36 min Scan# 1674

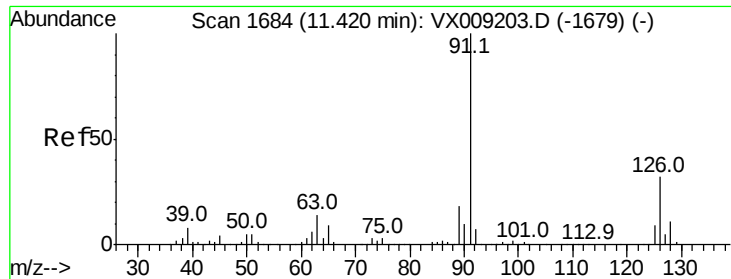
Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.0	33.0





#79

2-Chlorotoluene

Concen: 21.142 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS02

Tot Ion: 91 Resp: 124196

Ion Ratio Lower Upper

91 100

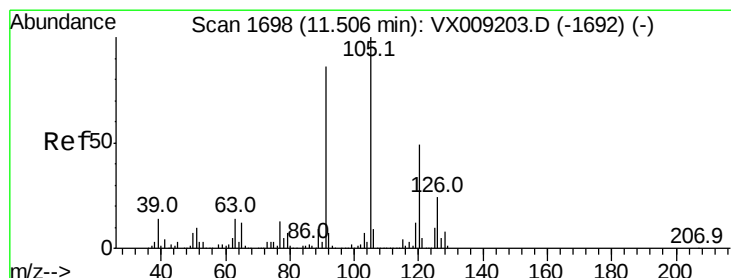
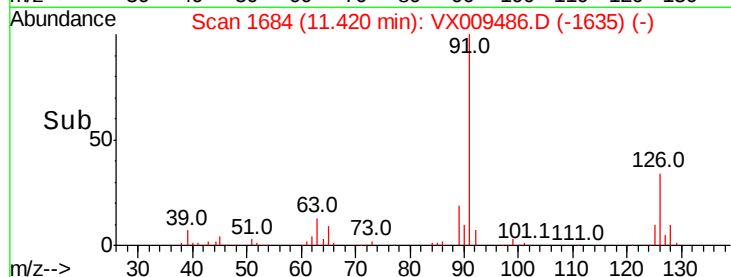
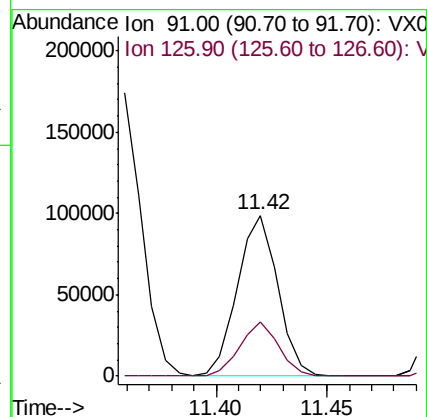
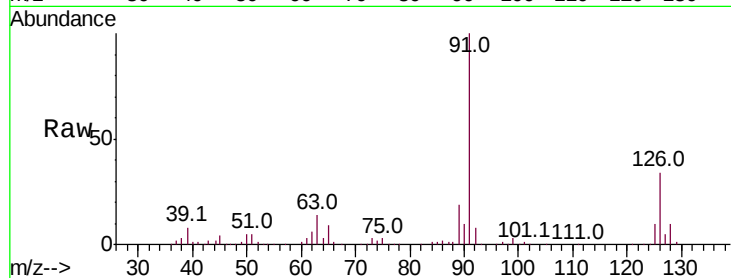
126 32.6 16.3 48.9

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#80

1,3,5-Trimethylbenzene

Concen: 21.860 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009486.D

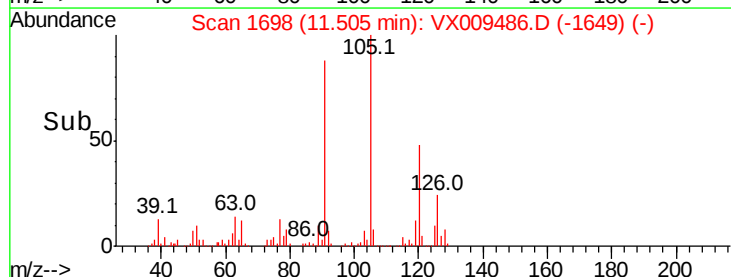
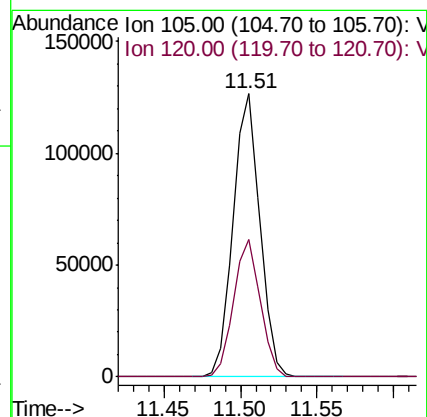
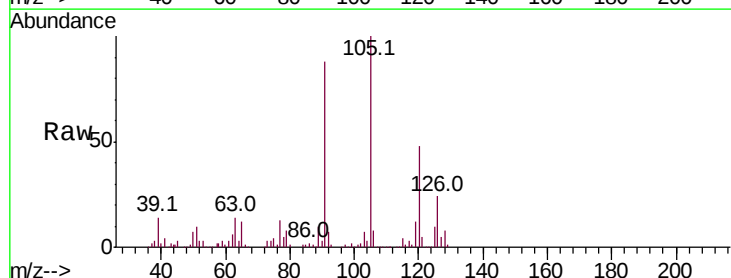
Acq: 10 May 2019 17:19

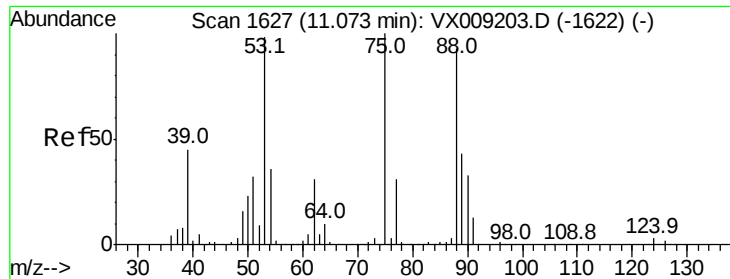
Tgt Ion: 105 Resp: 153457

Ion Ratio Lower Upper

105 100

120 48.4 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 20.277 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS02

Tot Ion: 75 Resp: 21076

Ion Ratio Lower Upper

75 100

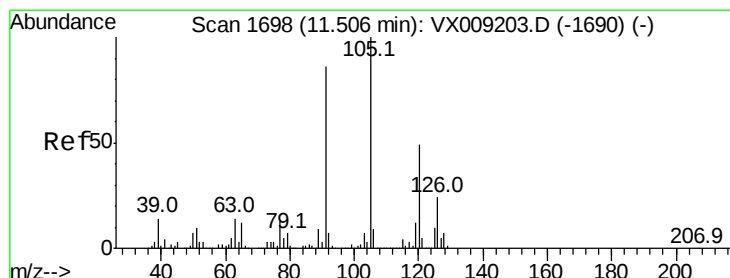
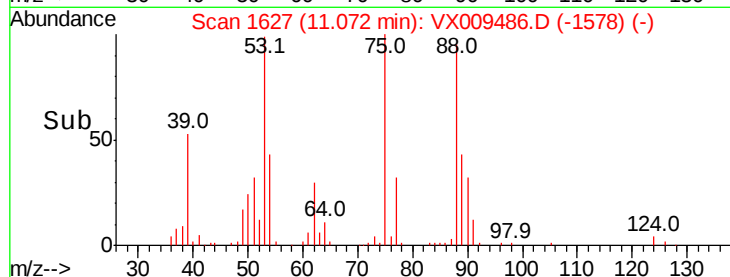
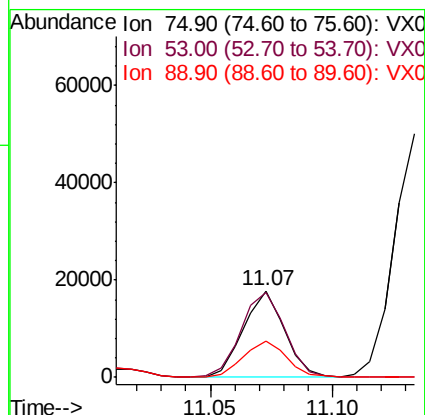
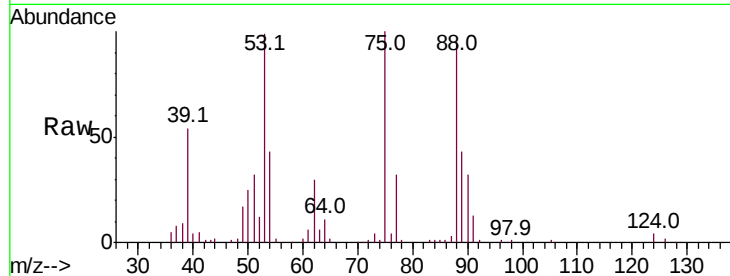
53 103.8 79.0 118.6

89 44.5 34.7 52.1

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#82

4-Chlorotoluene

Concen: 21.715 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009486.D

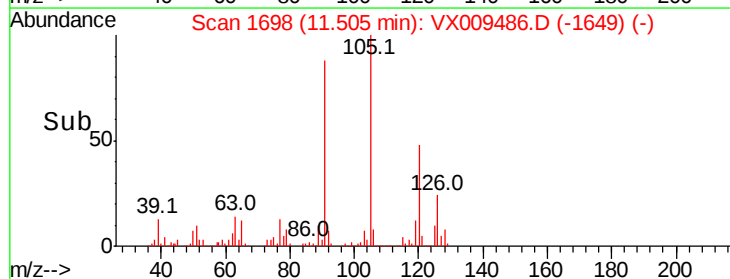
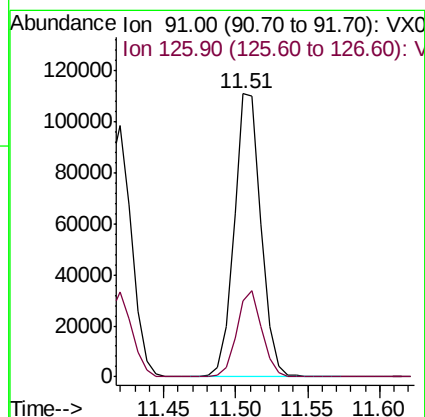
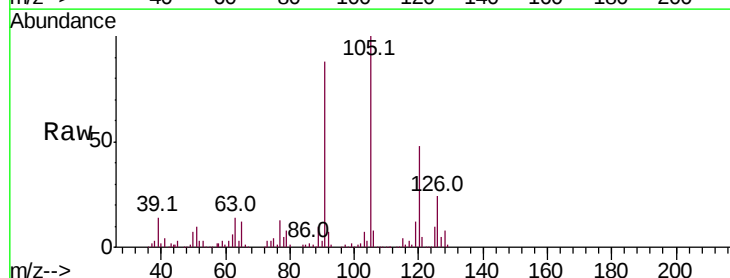
Acq: 10 May 2019 17:19

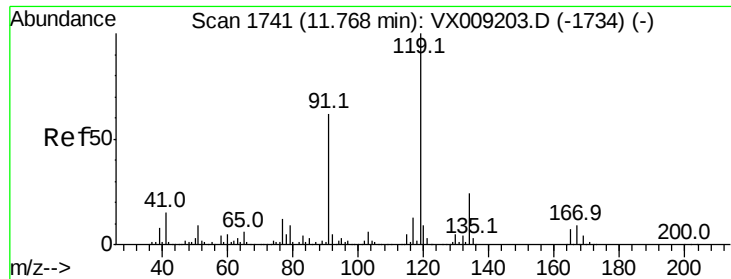
Tgt Ion: 91 Resp: 144106

Ion Ratio Lower Upper

91 100

126 28.6 14.5 43.6





#83

tert-Butylbenzene

Concen: 21.480 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Instrument :

MSVOA_X

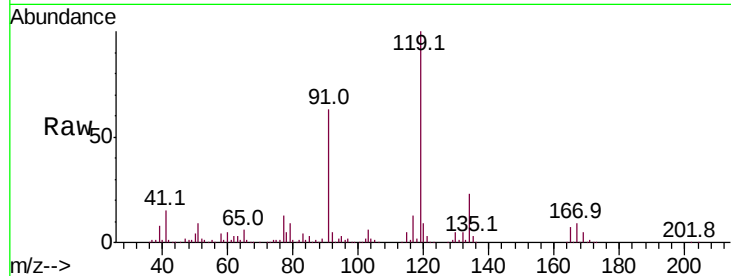
ClientSampled :

VX0510WBS02

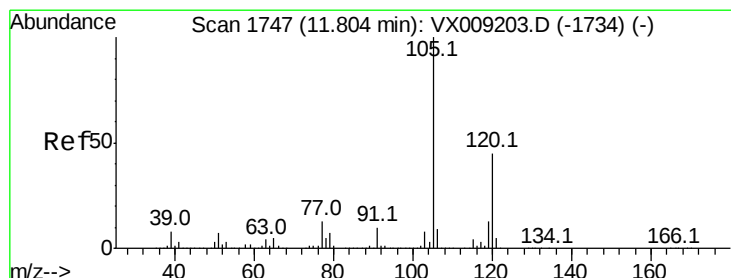
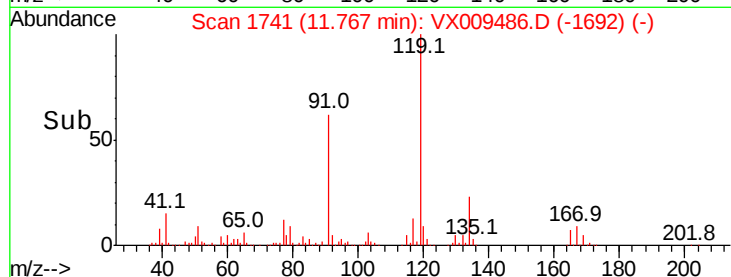
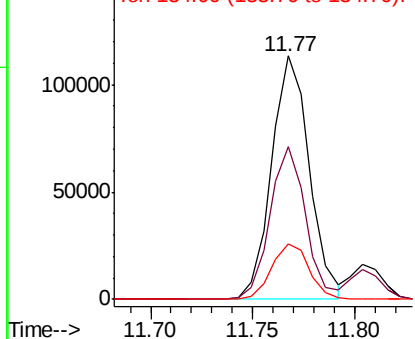
Tot Ion:	119	Resp:	146685
Ion Ratio	Lower	Upper	
119	100		
91	59.2	29.5	88.5
134	22.8	11.4	34.1

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Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): VX0
Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 22.108 ug/l

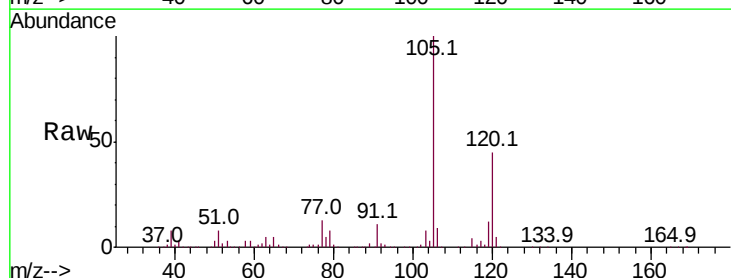
RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

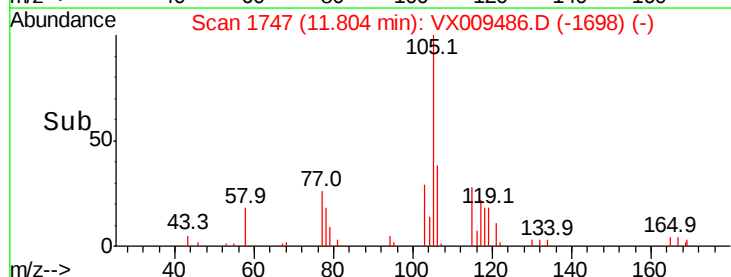
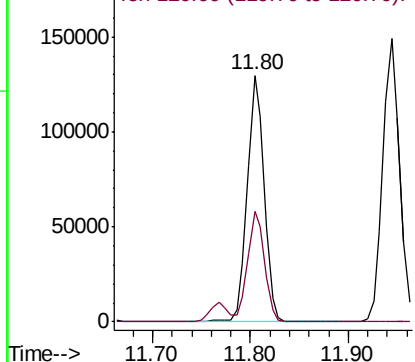
Lab File: VX009486.D

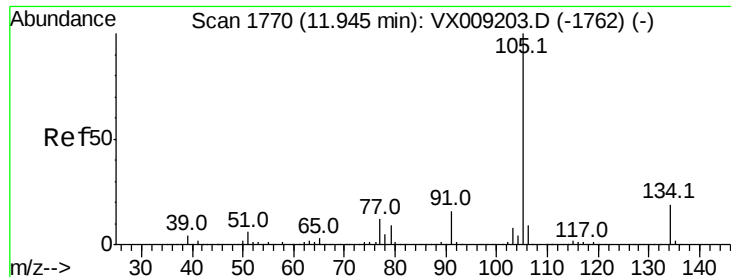
Acq: 10 May 2019 17:19

Tgt Ion:	105	Resp:	155782
Ion Ratio	Lower	Upper	
105	100		
120	44.9	22.0	66.0



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.039 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

VX0510WBS02

Tot Ion:105 Resp: 178432

Ion Ratio Lower Upper

105 100

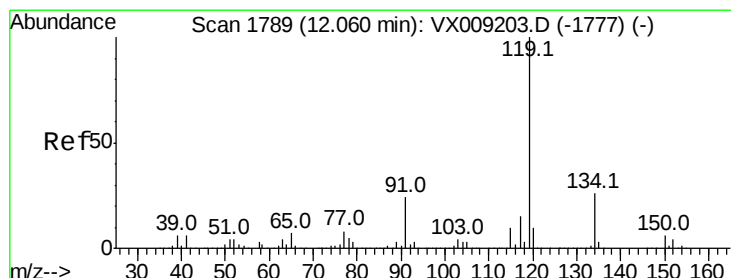
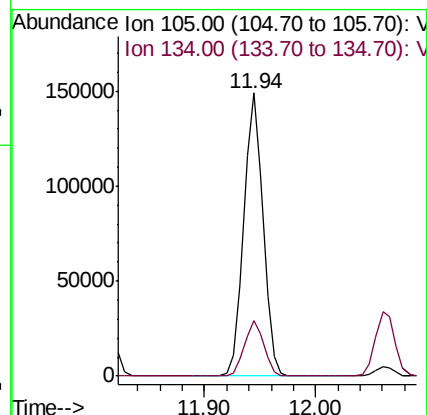
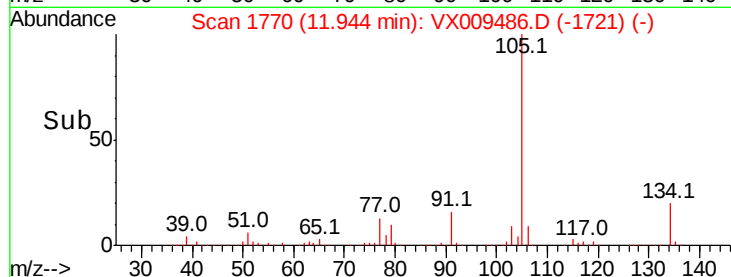
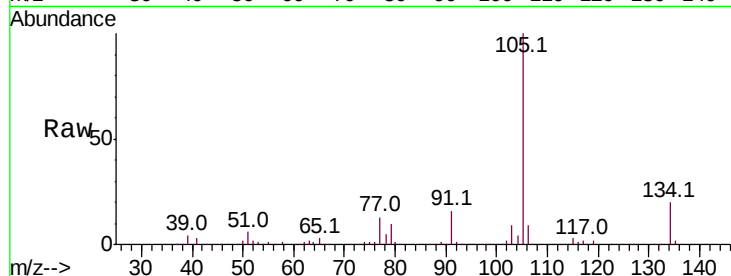
134 19.6 9.7 28.9

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#86

p-Isopropyltoluene

Concen: 22.228 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

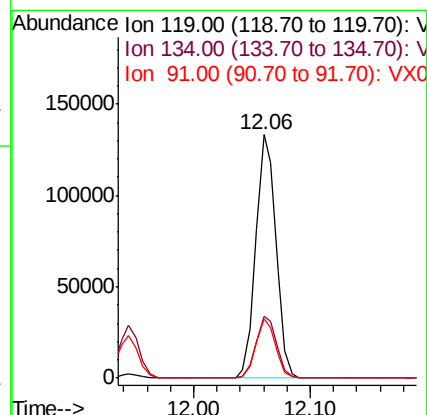
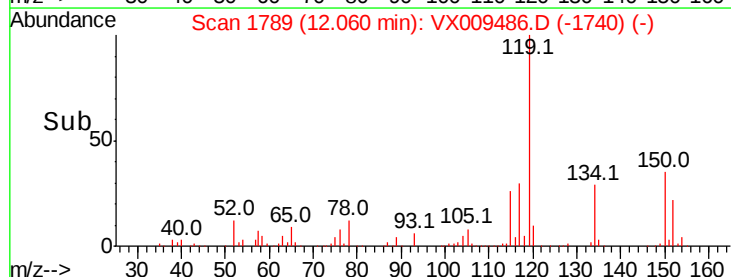
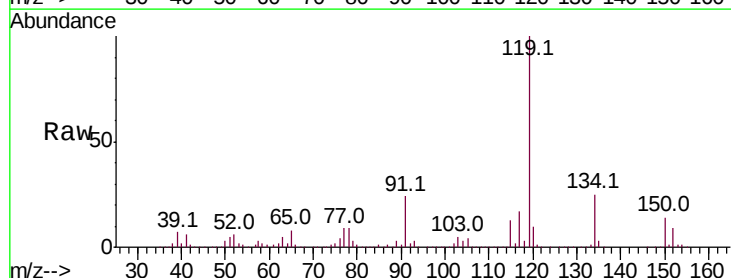
Tgt Ion:119 Resp: 161790

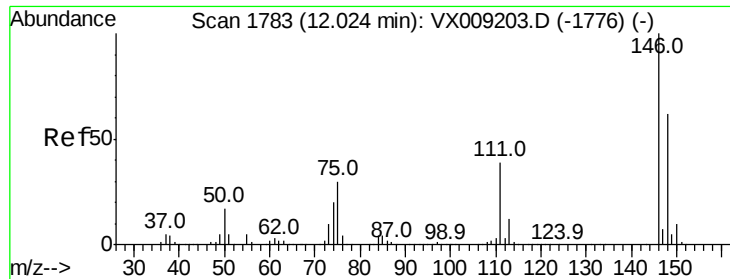
Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

91 24.0 11.8 35.4





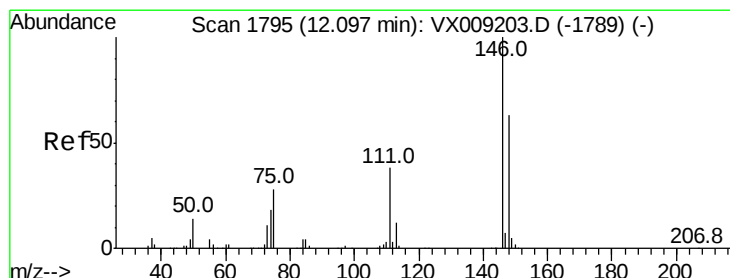
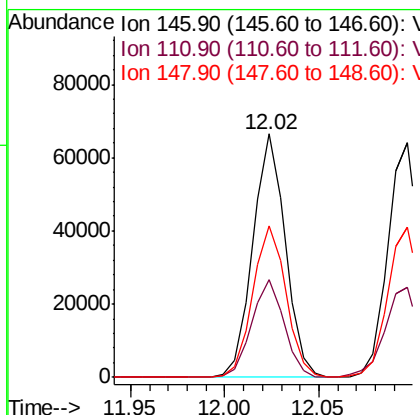
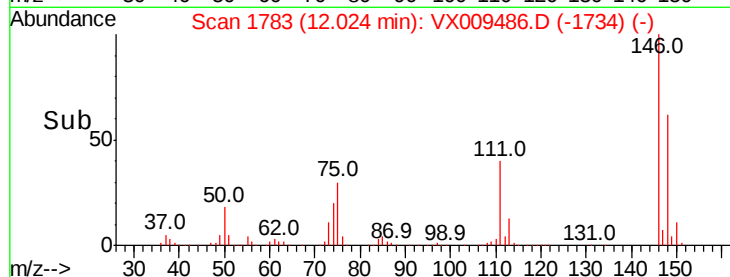
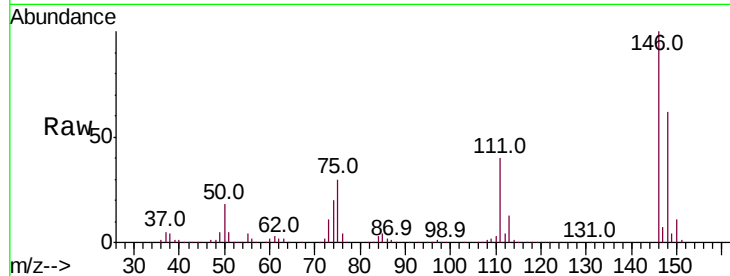
#87
 1,3-Dichlorobenzene
 Concen: 21.567 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009486.D
 Acq: 10 May 2019 17:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	59.9
148	63.8	31.8	95.3

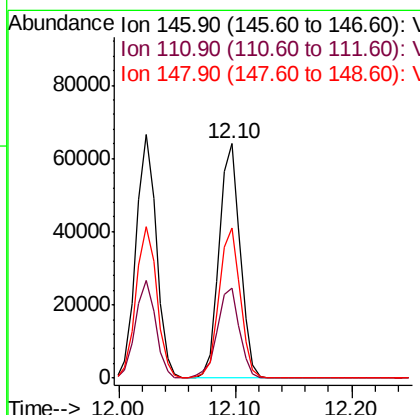
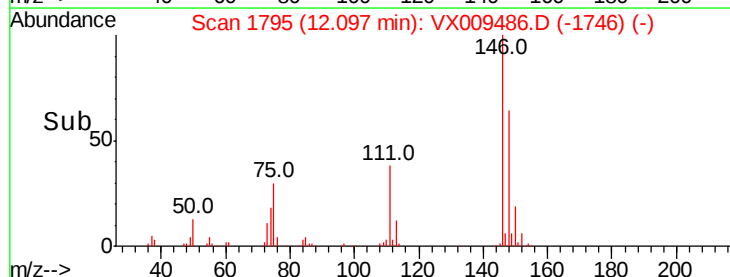
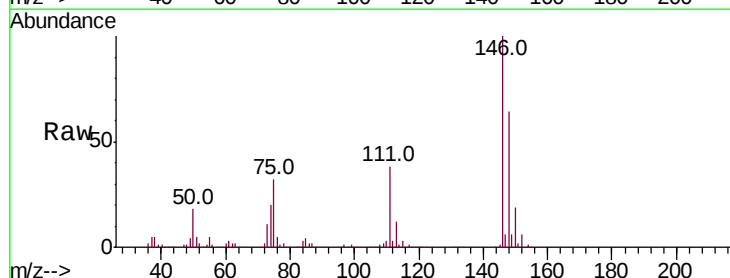
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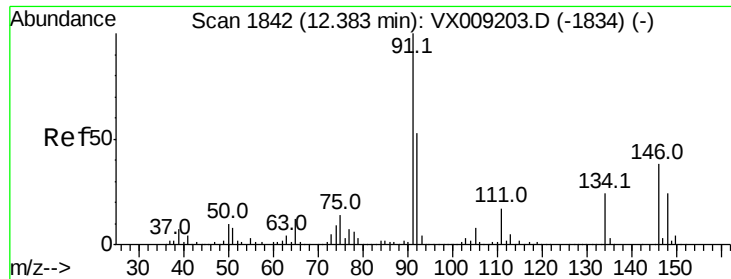
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#88
 1,4-Dichlorobenzene
 Concen: 21.330 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009486.D
 Acq: 10 May 2019 17:19

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.7	19.6	58.8
148	64.6	31.8	95.3





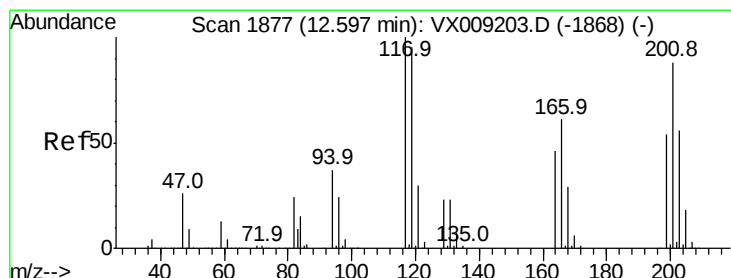
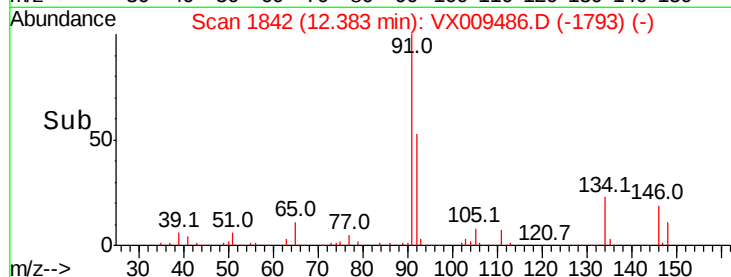
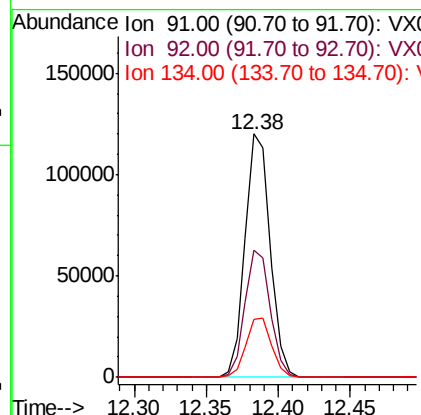
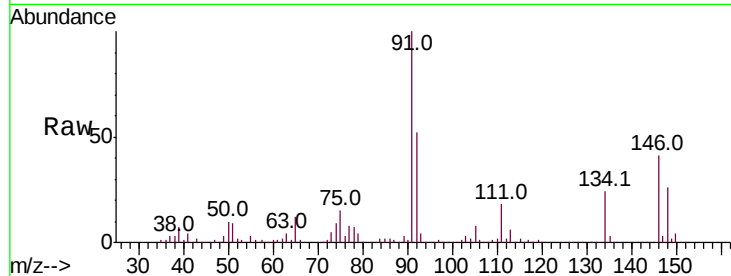
#89
n-Butylbenzene
Concen: 22.092 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009486.D
Acq: 10 May 2019 17:19

Instrument :
MSVOA_X
ClientSampleId :
VX0510WBS02

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.5	79.5
134	25.0	12.4	37.2

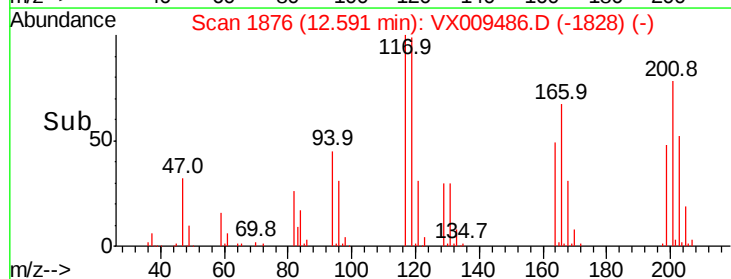
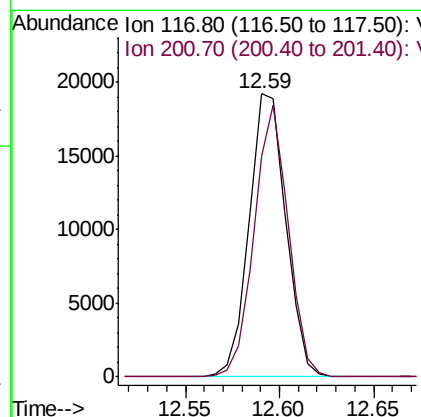
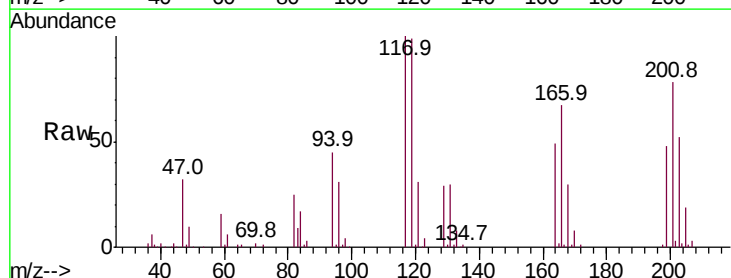
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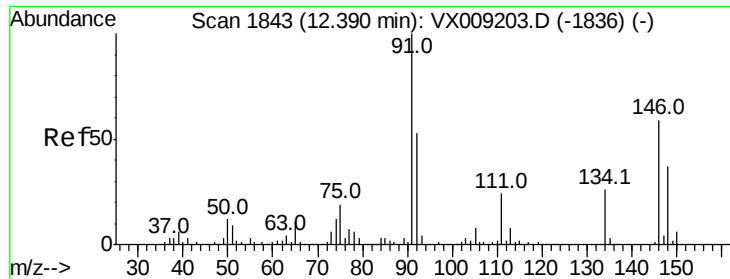
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#90
Hexachloroethane
Concen: 20.976 ug/l
RT: 12.59 min Scan# 1876
Delta R.T. -0.01 min
Lab File: VX009486.D
Acq: 10 May 2019 17:19

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.8	42.3	126.9





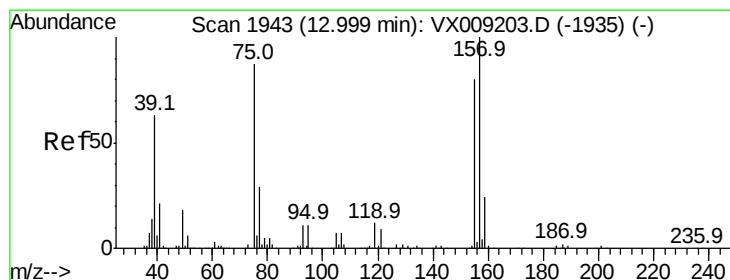
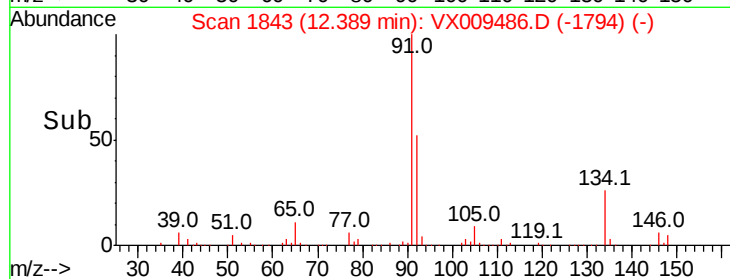
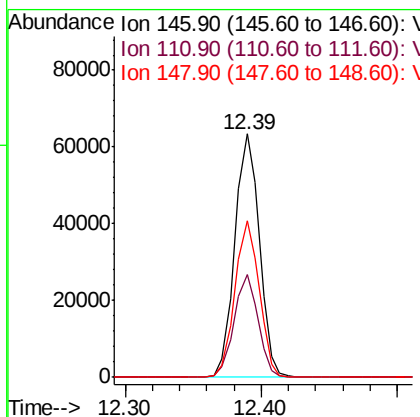
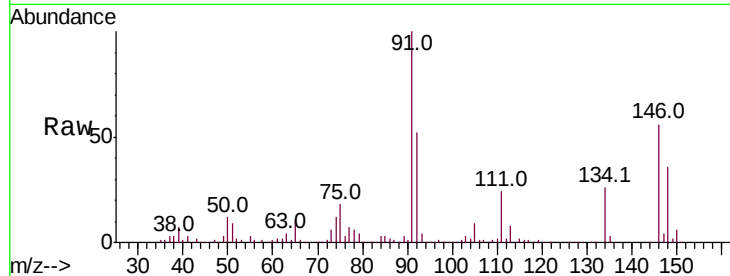
#91
 1,2-Dichlorobenzene
 Concen: 21.237 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009486.D
 Acq: 10 May 2019 17:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.4
148	63.7	31.9	95.9

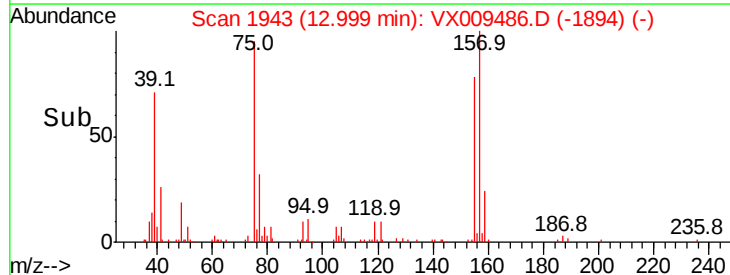
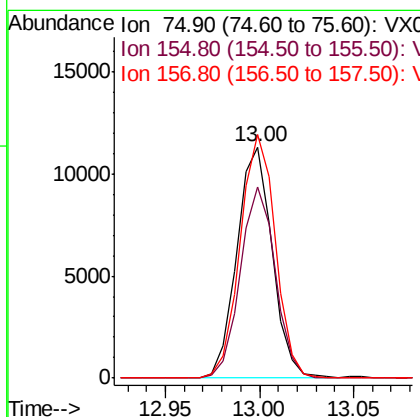
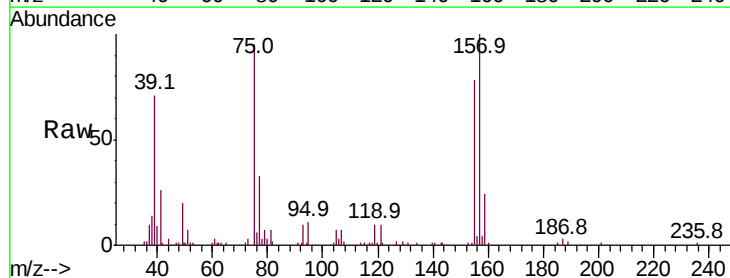
Manual Integrations
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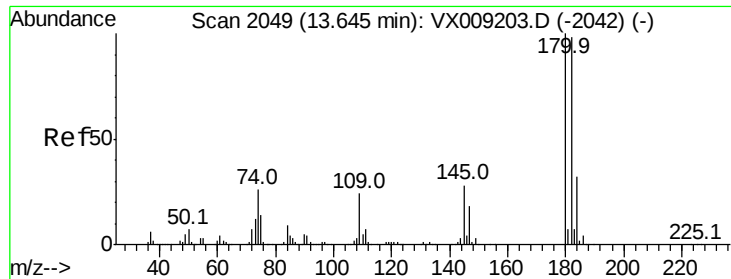
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.078 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009486.D
 Acq: 10 May 2019 17:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.9	42.0	126.0
157	105.1	53.2	159.6





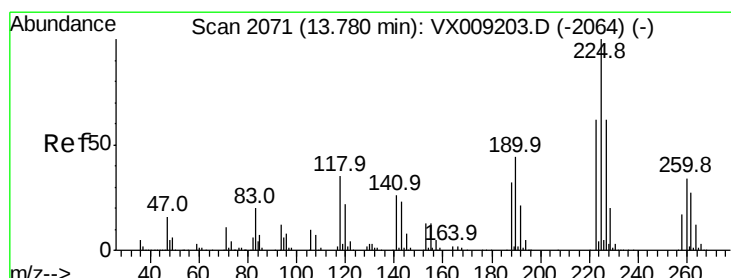
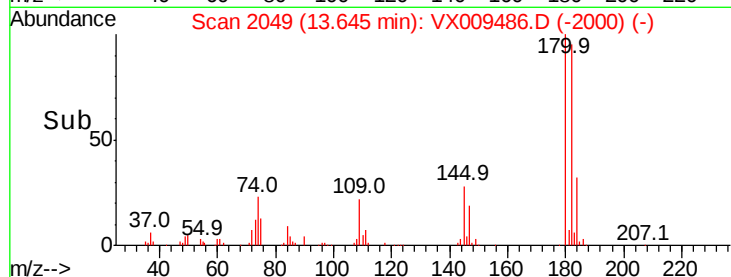
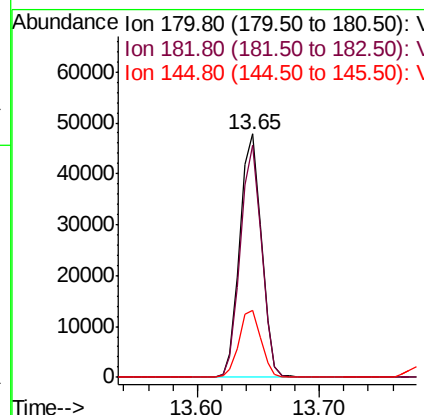
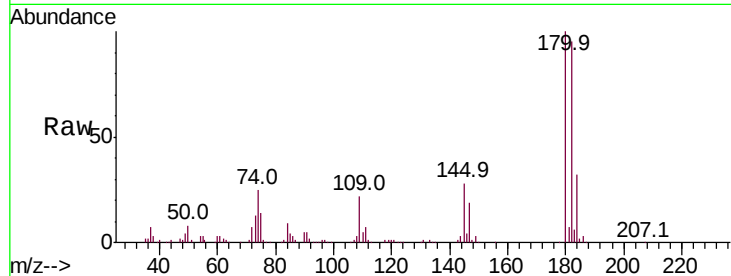
#93
 1,2,4-Trichlorobenzene
 Concen: 22.628 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009486.D
 Acq: 10 May 2019 17:19

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0510WBS02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	58141		
182	93.9	48.4	145.2	
145	28.1	14.6	43.8	

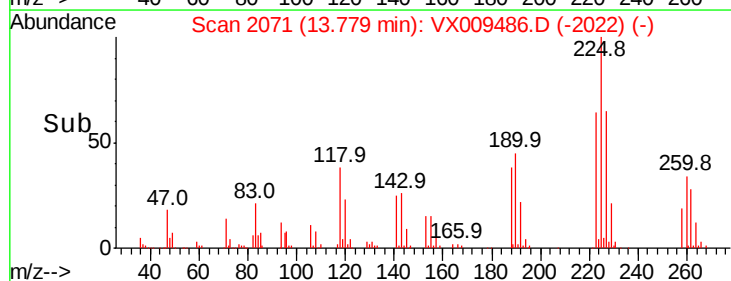
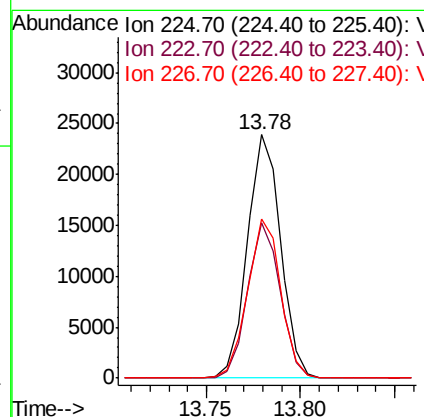
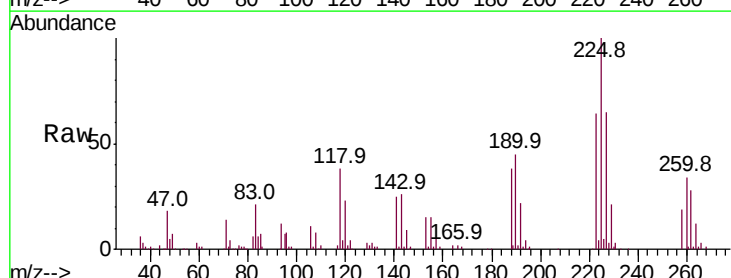
Manual Integrations
 APPROVED

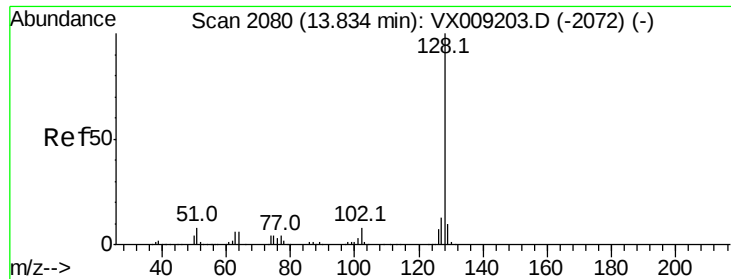
MMDadoda
 5/11/2019 11:52:56 AM



#94
 Hexachlorobutadiene
 Concen: 22.292 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009486.D
 Acq: 10 May 2019 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	29249		
223	62.7	31.3	93.8	
227	65.2	31.8	95.3	





#95

Naphthalene

Concen: 22.237 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Instrument :

MSVOA_X

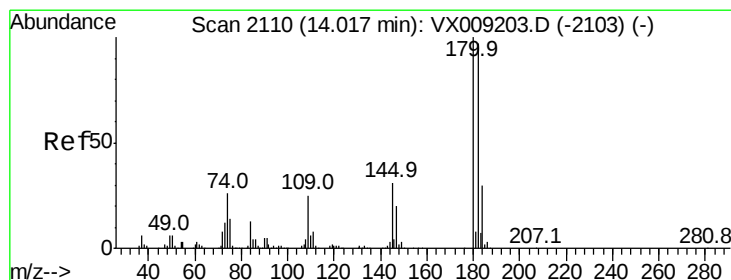
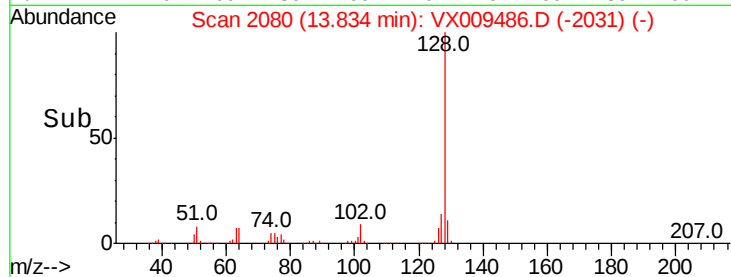
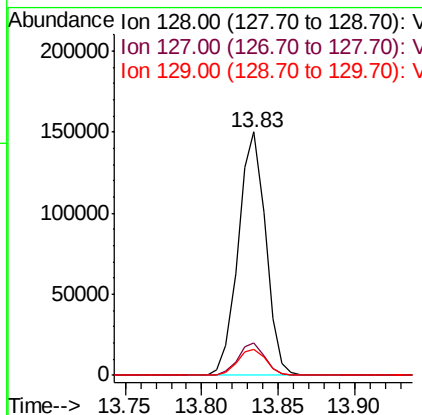
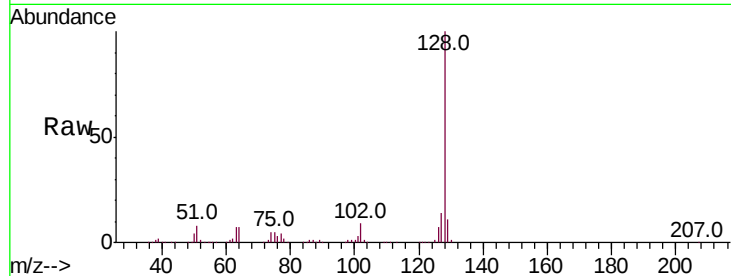
ClientSampleId :

VX0510WBS02

Tot Ion:	128	Resp:	185893
Ion Ratio	Lower	Upper	
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/11/2019 11:52:56 AM



#96

1,2,3-Trichlorobenzene

Concen: 22.695 ug/l

RT: 14.02 min Scan# 2110

Delta R.T. -0.00 min

Lab File: VX009486.D

Acq: 10 May 2019 17:19

Tgt Ion:	180	Resp:	59111
Ion Ratio	Lower	Upper	
180	100		
182	96.0	47.8	143.4
145	30.8	15.4	46.4

