

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050319\
 Data File : VX009311.D
 Acq On : 03 May 2019 15:54
 Operator : JC/SP
 Sample : VX0503WBS02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBS02

Manual Integrations
 APPROVED

MMDadoda
 5/6/2019 9:24:50 AM

Quant Time: May 03 23:35:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 07:03:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	181002	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	284346	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	256352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	124921	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	116907	47.31	ug/l	0.00
Spiked Amount 50.000			Recovery =	94.62%		
35) Dibromofluoromethane	5.49	113	87332	48.86	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.72%		
50) Toluene-d8	8.71	98	353140	48.93	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.86%		
62) 4-Bromofluorobenzene	11.13	95	127782	48.73	ug/l	0.00
Spiked Amount 50.000			Recovery =	97.46%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.20	85	31550	18.915	ug/l	98
3) Chloromethane	1.32	50	43247	18.991	ug/l	99
4) Vinyl Chloride	1.40	62	43174	19.443	ug/l	99
5) Bromomethane	1.64	94	25930	19.455	ug/l	94
6) Chloroethane	1.72	64	26775	18.781	ug/l	100
7) Trichlorofluoromethane	1.93	101	53218	19.716	ug/l	96
8) Diethyl Ether	2.18	74	24776	19.378	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	2.38	101	34035	20.079	ug/l	99
10) Methyl Iodide	2.51	142	34276	20.399	ug/l	99
11) Tert butyl alcohol	3.04	59	54387	95.090	ug/l	99
12) 1,1-Dichloroethene	2.37	96	32560	19.172	ug/l	99
13) Acrolein	2.29	56	33162	64.022	ug/l	100
14) Allyl chloride	2.73	41	77200	18.653	ug/l	99
15) Acrylonitrile	3.13	53	133860	95.719	ug/l	100
16) Acetone	2.44	43	120583	90.884	ug/l	99
17) Carbon Disulfide	2.57	76	85715	17.977	ug/l	99
18) Methyl Acetate	2.77	43	61108	19.367	ug/l	100
19) Methyl tert-butyl Ether	3.19	73	130529	19.792	ug/l	100
20) Methylene Chloride	2.85	84	39295	18.292	ug/l	93
21) trans-1,2-Dichloroethene	3.16	96	35056	19.033	ug/l	97
22) Diisopropyl ether	3.85	45	156640	19.680	ug/l	95
23) Vinyl Acetate	3.81	43	676031	99.187	ug/l	100
24) 1,1-Dichloroethane	3.70	63	75239	19.162	ug/l	98
25) 2-Butanone	4.67	43	198455	96.255	ug/l	99
26) 2,2-Dichloropropane	4.58	77	55839	19.106	ug/l	100
27) cis-1,2-Dichloroethene	4.59	96	42029	19.118	ug/l	99
28) Bromochloromethane	5.01	49	31570	18.232	ug/l	100
29) Tetrahydrofuran	5.12	42	130786	98.577	ug/l	100
30) Chloroform	5.21	83	69305	19.516	ug/l	99
31) Cyclohexane	5.57	56	70255	19.232	ug/l	95
32) 1,1,1-Trichloroethane	5.49	97	56809	19.217	ug/l	99
36) 1,1-Dichloropropene	5.79	75	52875	20.010	ug/l	99
37) Ethyl Acetate	4.82	43	74671	20.281	ug/l	99
38) Carbon Tetrachloride	5.78	117	47223	19.669	ug/l	94

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MMDadoda
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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.46	83	65671	20.236	ug/l	97
40) Benzene	6.14	78	162199	19.834	ug/l	100
41) Methacrylonitrile	5.04	41	41724	19.038	ug/l	98
42) 1,2-Dichloroethane	6.19	62	58285	19.868	ug/l	99
43) Isopropyl Acetate	6.44	43	116893	19.849	ug/l	100
44) Trichloroethene	7.21	130	38459	19.453	ug/l	93
45) 1,2-Dichloropropane	7.51	63	46168	19.937	ug/l	100
46) Dibromomethane	7.66	93	25854	19.226	ug/l	97
47) Bromodichloromethane	7.90	83	52777	19.675	ug/l	98
48) Methyl methacrylate	7.77	41	58879	20.152	ug/l	99
49) 1,4-Dioxane	7.74	88	23272	392.759	ug/l	99
51) 4-Methyl-2-Pentanone	8.64	43	382359	99.333	ug/l	100
52) Toluene	8.78	92	98062	19.726	ug/l	100
53) t-1,3-Dichloropropene	9.04	75	59111	19.519	ug/l	96
54) cis-1,3-Dichloropropene	8.43	75	65635	19.581	ug/l	96
55) 1,1,2-Trichloroethane	9.21	97	40575	20.006	ug/l	99
56) Ethyl methacrylate	9.18	69	70858	19.573	ug/l	99
57) 1,3-Dichloropropane	9.37	76	70936	19.876	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.30	63	188616	98.210	ug/l	100
59) 2-Hexanone	9.49	43	294855	97.532	ug/l	99
60) Dibromochloromethane	9.58	129	38743	19.559	ug/l	99
61) 1,2-Dibromoethane	9.67	107	40207	19.640	ug/l	99
64) Tetrachloroethene	9.33	164	35664	20.281	ug/l	99
65) Chlorobenzene	10.13	112	101531	19.799	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.22	131	36701	19.740	ug/l	100
67) Ethyl Benzene	10.25	91	187839	19.903	ug/l	99
68) m/p-Xylenes	10.36	106	138464	40.148	ug/l	99
69) o-Xylene	10.69	106	67175	19.741	ug/l	99
70) Styrene	10.71	104	115827	19.584	ug/l	98
71) Bromoform	10.85	173	28550	18.896	ug/l #	99
73) Isopropylbenzene	11.02	105	184042	20.260	ug/l	100
74) N-amyl acetate	10.90	43	102904	19.430	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.27	83	65463	19.331	ug/l	100
76) 1,2,3-Trichloropropane	11.29	75	57200m	19.740	ug/l	
77) Bromobenzene	11.26	156	43925	19.481	ug/l	100
78) n-propylbenzene	11.36	91	212118	20.446	ug/l	99
79) 2-Chlorotoluene	11.42	91	125016	19.532	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	153632	20.086	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.07	75	20439	18.047	ug/l	92
82) 4-Chlorotoluene	11.51	91	144357	19.964	ug/l	100
83) tert-Butylbenzene	11.77	119	147817	19.866	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	154619	20.139	ug/l	100
85) sec-Butylbenzene	11.94	105	178784	20.267	ug/l	99
86) p-Isopropyltoluene	12.06	119	161726	20.393	ug/l	100
87) 1,3-Dichlorobenzene	12.02	146	78892	19.628	ug/l	99
88) 1,4-Dichlorobenzene	12.10	146	80048	19.754	ug/l	99
89) n-Butylbenzene	12.38	91	147208	20.537	ug/l	100
90) Hexachloroethane	12.60	117	26003	19.246	ug/l	97
91) 1,2-Dichlorobenzene	12.39	146	81251	19.847	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	13.00	75	14946	19.674	ug/l	99

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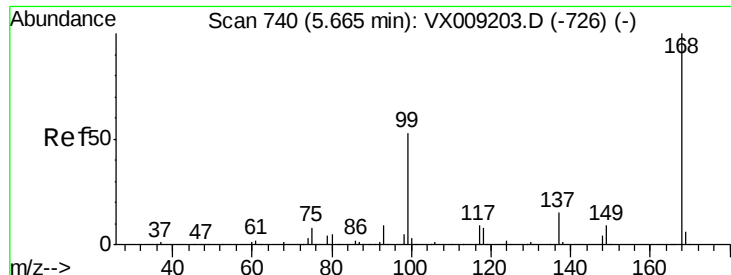
Manual Integrations
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QLast Update : Tue Apr 30 07:03:50 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.65	180	57765	20.633	ug/l	98
94) Hexachlorobutadiene	13.78	225	29080	20.341	ug/l	99
95) Naphthalene	13.83	128	187328	20.567	ug/l	99
96) 1,2,3-Trichlorobenzene	14.02	180	58704	20.686	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: VX009311.D

Acq: 03 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBS02

Tot Ion:168 Resp: 181002

Ion Ratio Lower Upper

168 100

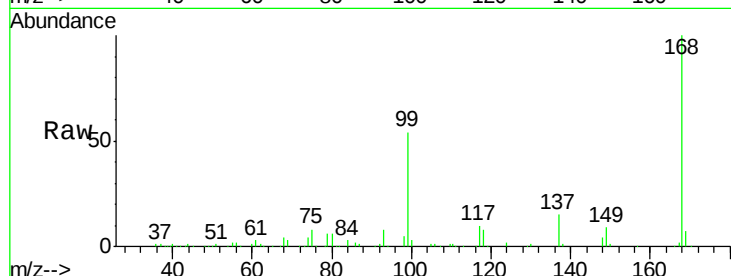
99 54.2 42.3 63.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

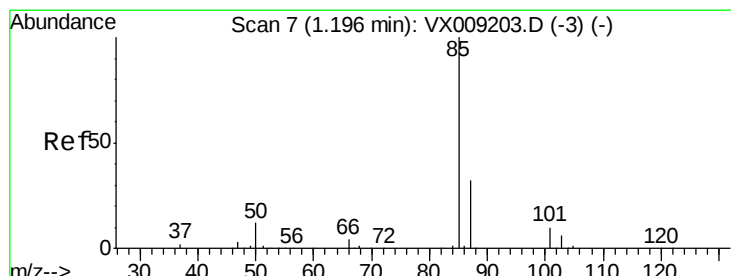
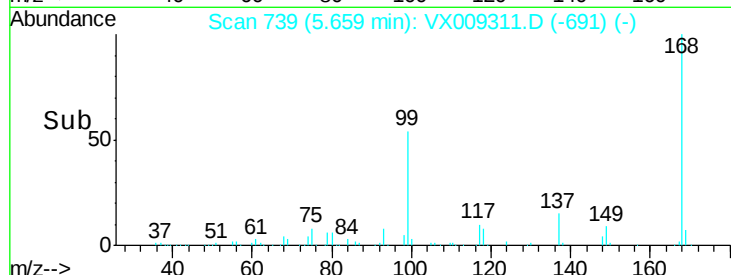
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: 18.915 ug/l

RT: 1.20 min Scan# 7

Delta R.T. -0.00 min

Lab File: VX009311.D

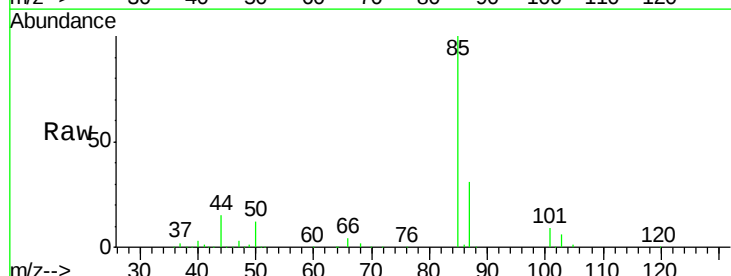
Acq: 03 May 2019 15:54

Tgt Ion: 85 Resp: 31550

Ion Ratio Lower Upper

85 100

87 31.3 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.20

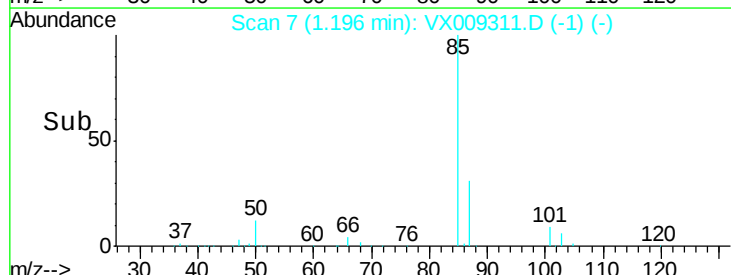
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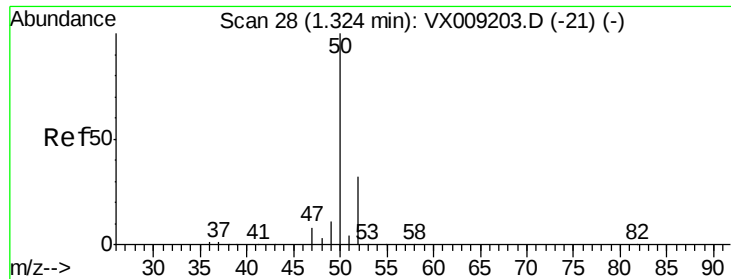
20000

10000

0

Time--> 1.15 1.20 1.25 1.30





#3

Chloromethane

Concen: 18.991 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBS02

Tot Ion: 50 Resp: 43247

Ion Ratio Lower Upper

50 100

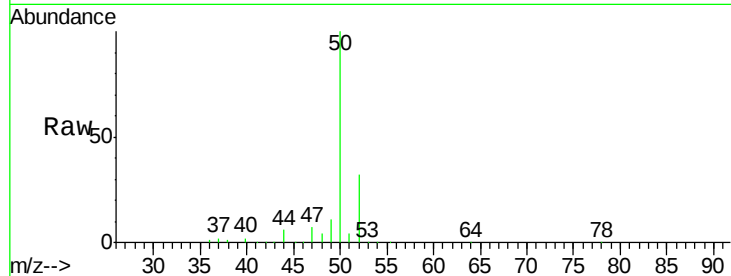
52 32.0 25.9 38.9

Manual Integrations

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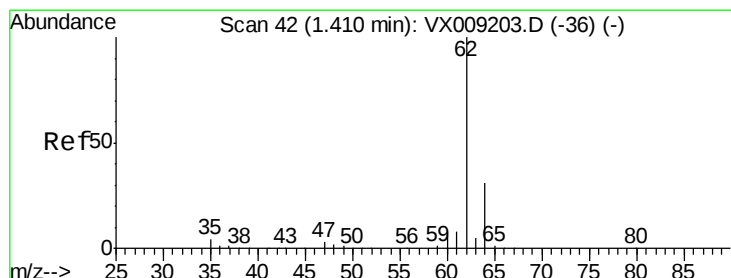
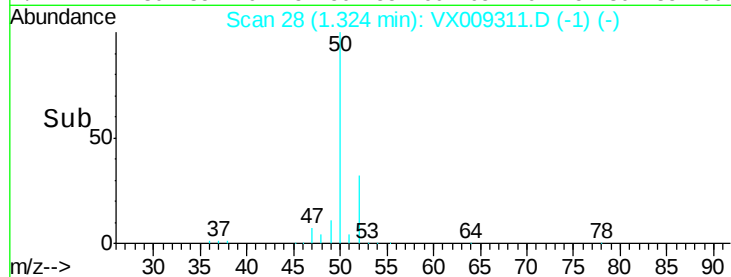
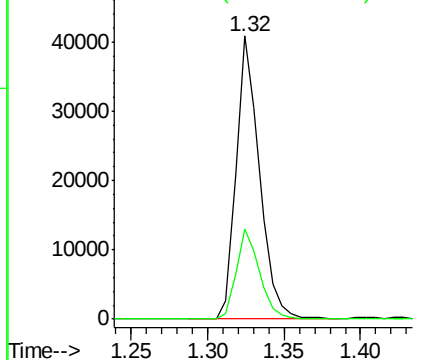
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 19.443 ug/l

RT: 1.40 min Scan# 41

Delta R.T. -0.01 min

Lab File: VX009311.D

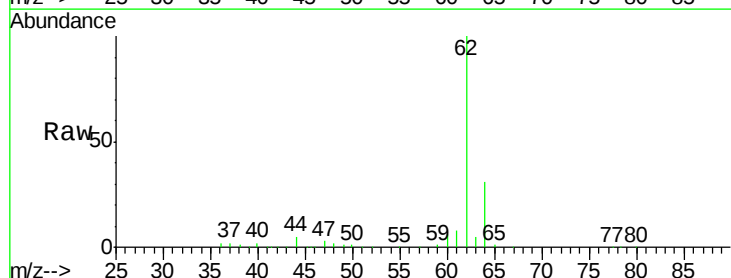
Acq: 03 May 2019 15:54

Tgt Ion: 62 Resp: 43174

Ion Ratio Lower Upper

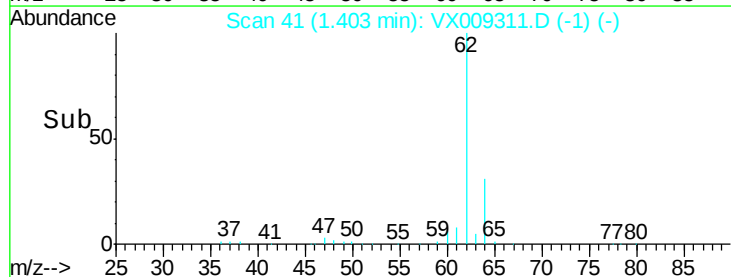
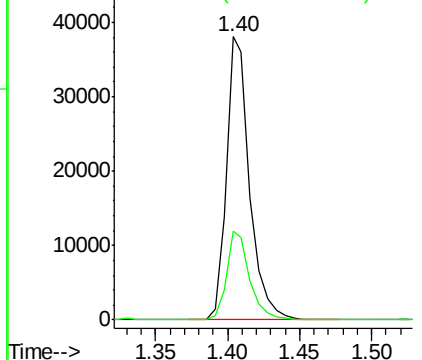
62 100

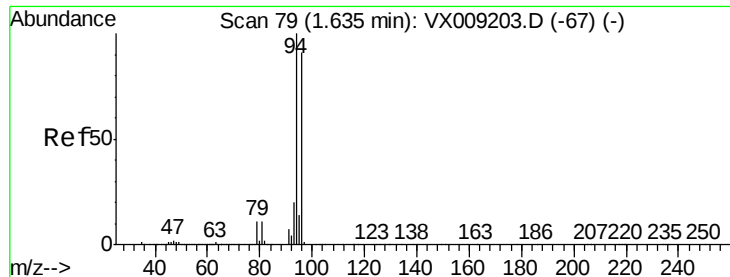
64 31.3 24.6 36.8



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 19.455 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBS02

Tot Ion: 94 Resp: 25930

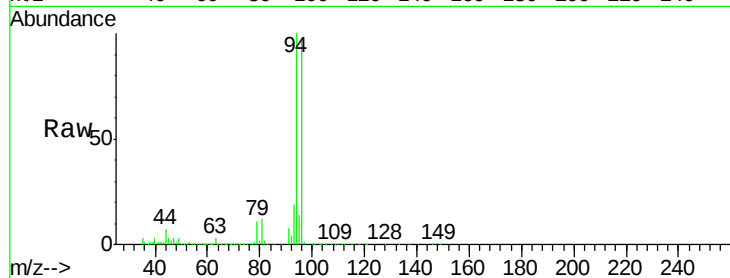
Ion Ratio Lower Upper

94 100

96 96.9 73.0 109.6

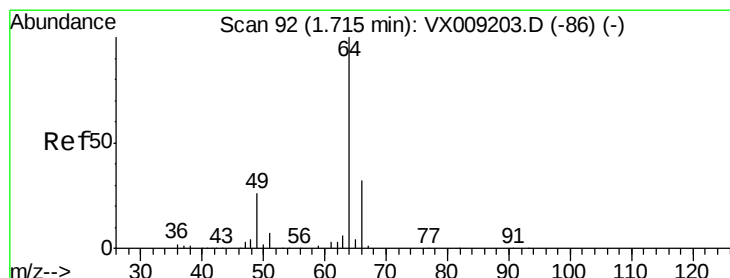
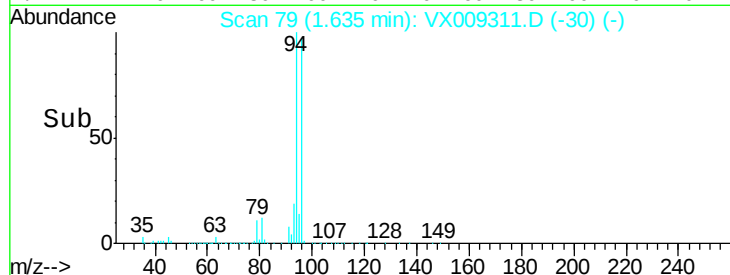
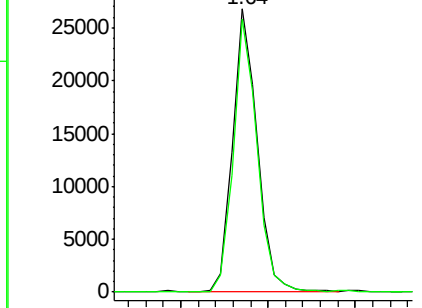
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 18.781 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX009311.D

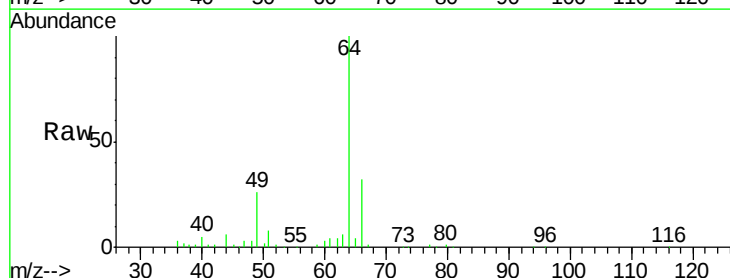
Acq: 03 May 2019 15:54

Tgt Ion: 64 Resp: 26775

Ion Ratio Lower Upper

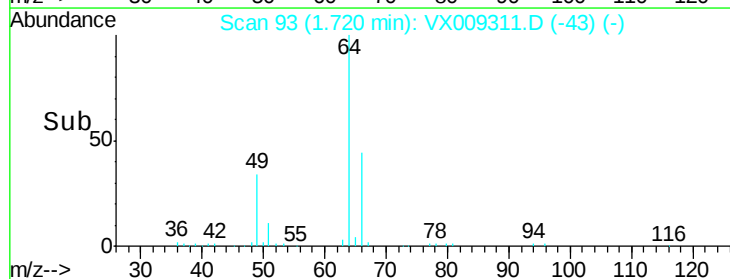
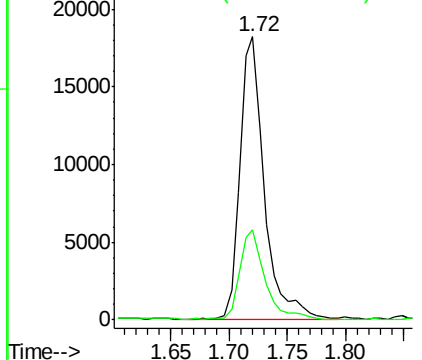
64 100

66 31.5 25.3 37.9



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

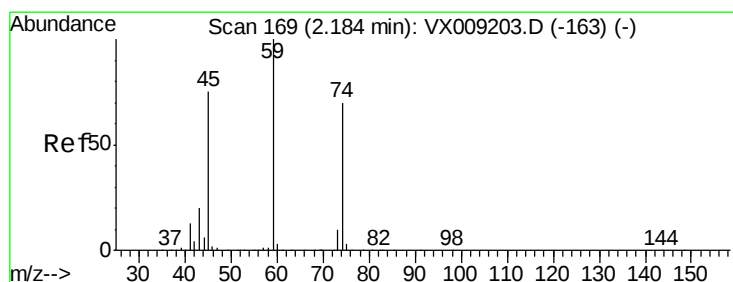
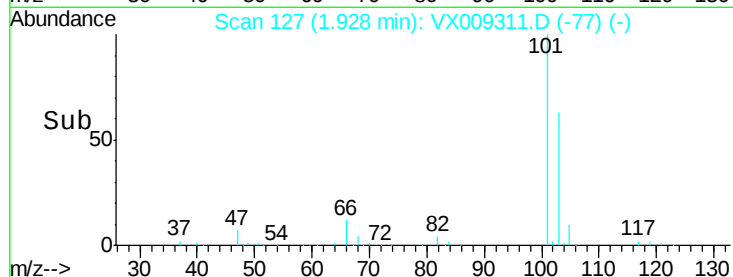
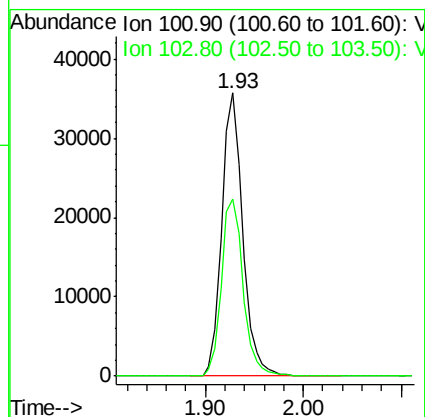
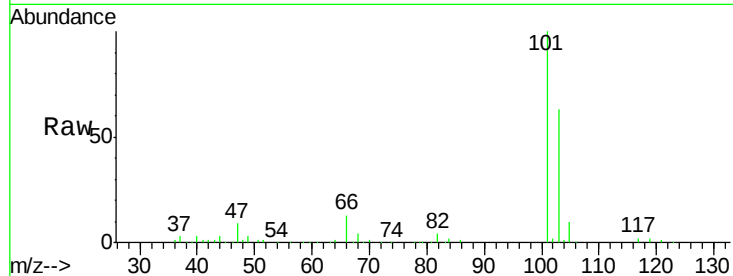
Trichlorofluoromethane
Concen: 19.716 ug/l
RT: 1.93 min Scan# 127
Delta R.T. 0.01 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Instrument :
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ClientSampleId :
VX0503WBS02

Tot Ion:101 Resp: 53218
Ion Ratio Lower Upper
101 100
103 62.6 52.4 78.6

Manual Integrations
APPROVED

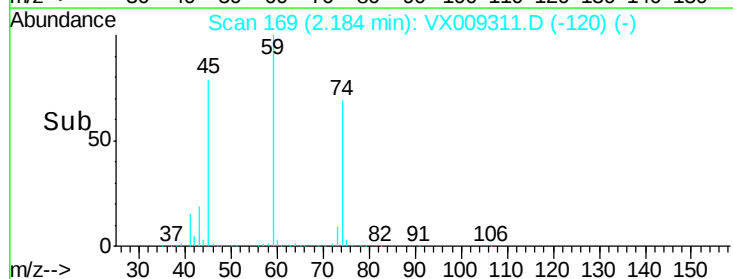
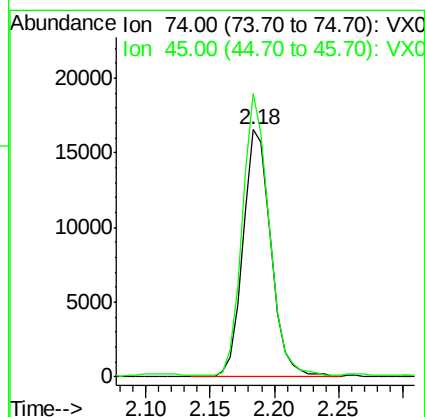
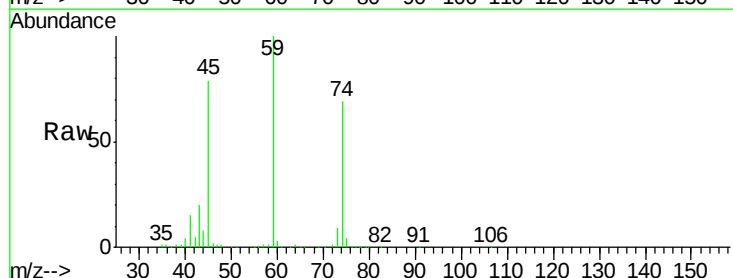
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5/6/2019 9:24:50 AM

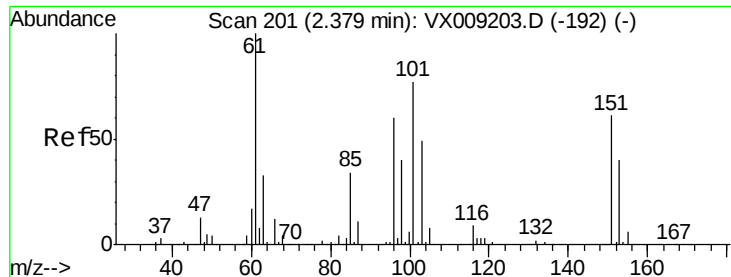


#8

Diethyl Ether
Concen: 19.378 ug/l
RT: 2.18 min Scan# 169
Delta R.T. -0.00 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Tgt Ion: 74 Resp: 24776
Ion Ratio Lower Upper
74 100
45 109.5 53.3 159.9





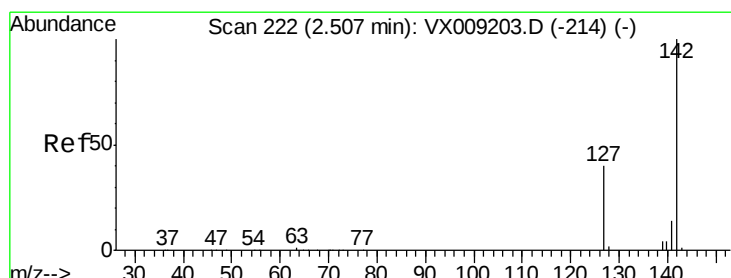
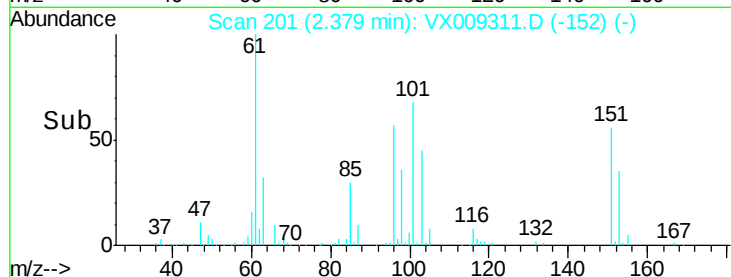
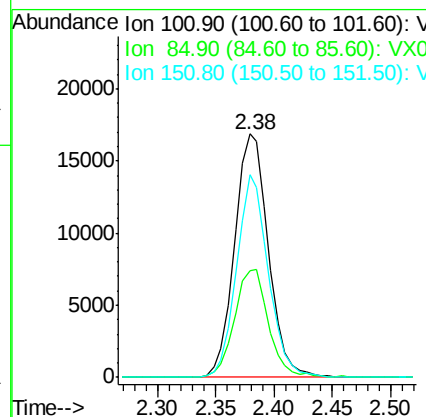
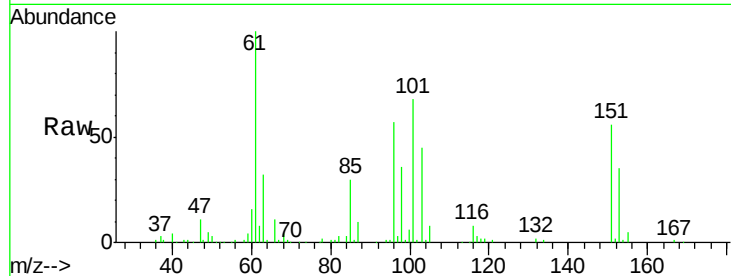
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 20.079 ug/l
 RT: 2.38 min Scan# 201
 Delta R.T. -0.00 min
 Lab File: VX009311.D
 Acq: 03 May 2019 15:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBS02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	34035		
85	44.5	35.7	53.5	
151	78.3	62.2	93.2	

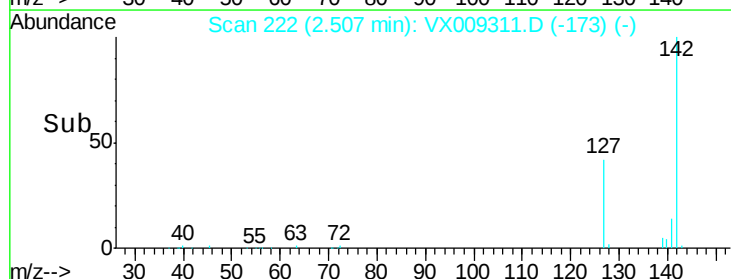
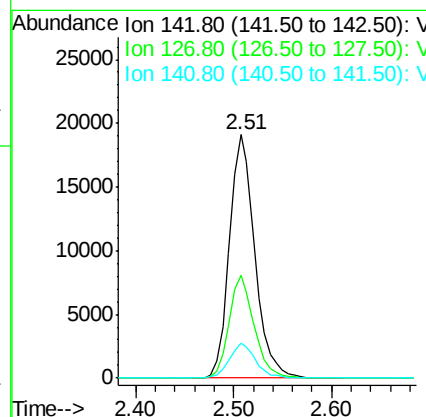
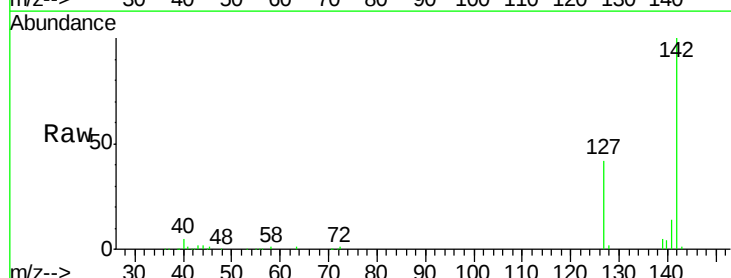
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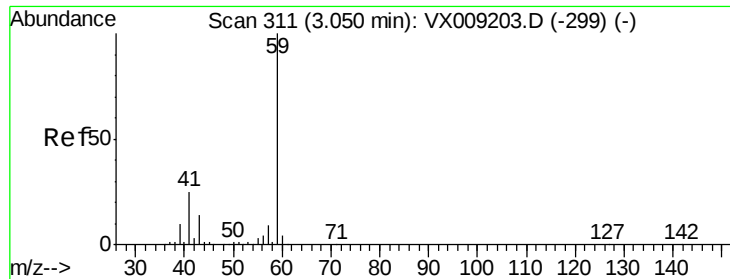
MMDadoda
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#10
 Methyl Iodide
 Concen: 20.399 ug/l
 RT: 2.51 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VX009311.D
 Acq: 03 May 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	34276		
127	41.5	32.7	49.1	
141	14.6	11.5	17.3	





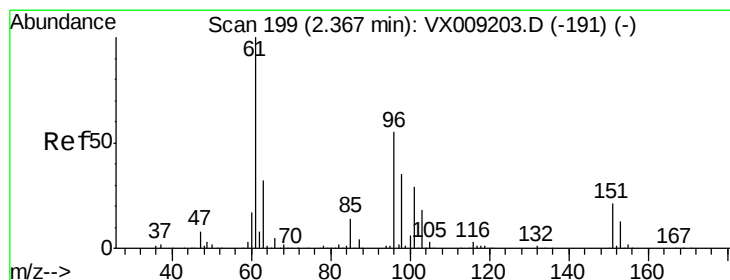
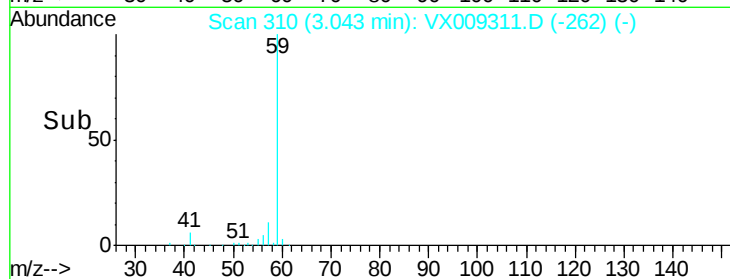
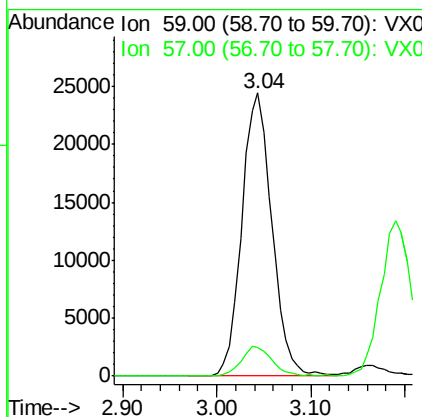
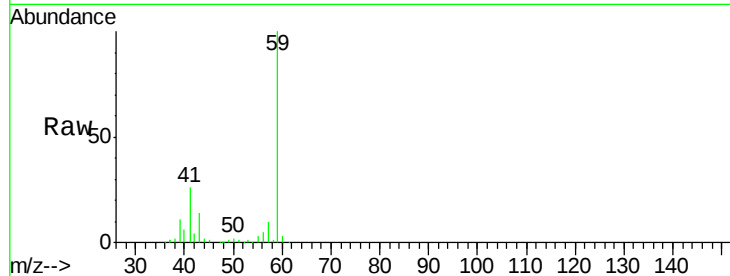
#11
Tert butyl alcohol
Concen: 95.090 ug/l
RT: 3.04 min Scan# 310
Delta R.T. -0.01 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.2	12.2

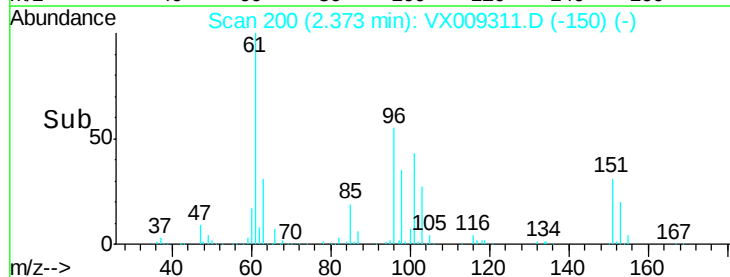
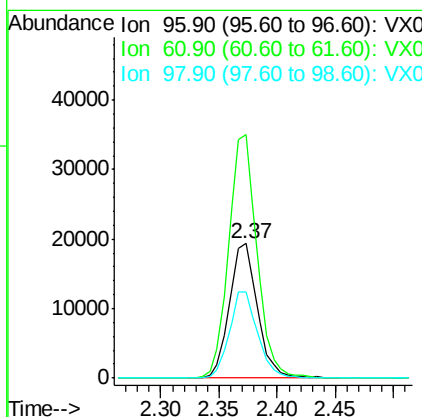
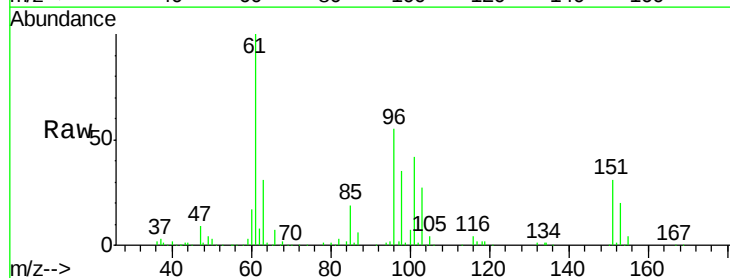
Manual Integrations
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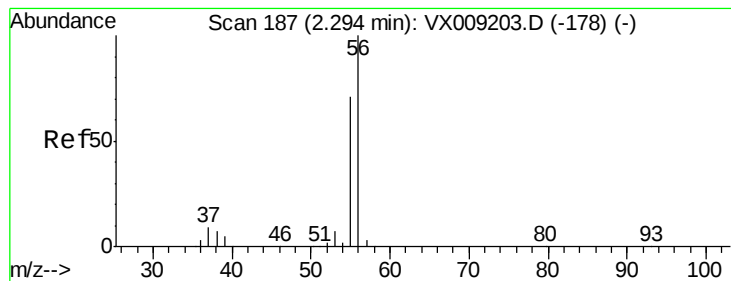
MMDadoda
5/6/2019 9:24:50 AM



#12
1,1-Dichloroethene
Concen: 19.172 ug/l
RT: 2.37 min Scan# 200
Delta R.T. 0.01 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	181.4	144.3	216.5
98	64.0	50.3	75.5





#13

Acrolein

Concen: 64.022 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Instrument :

MSVOA_X

ClientSampled :

VX0503WBS02

Tot Ion: 56 Resp: 33162

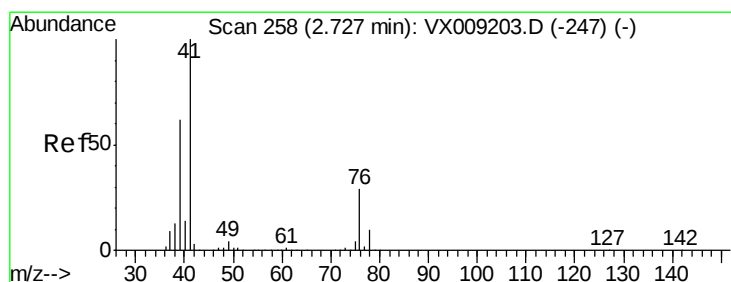
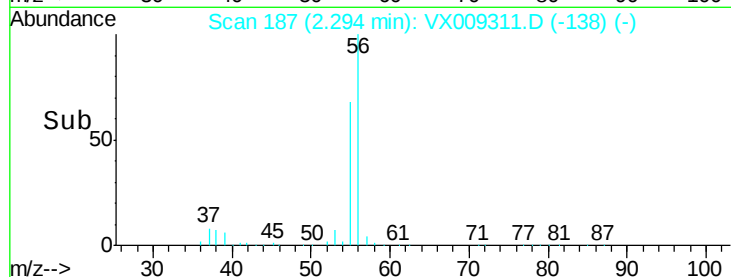
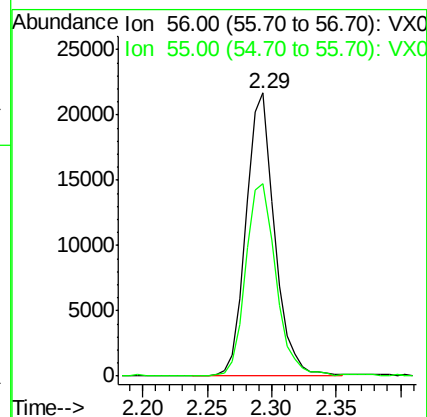
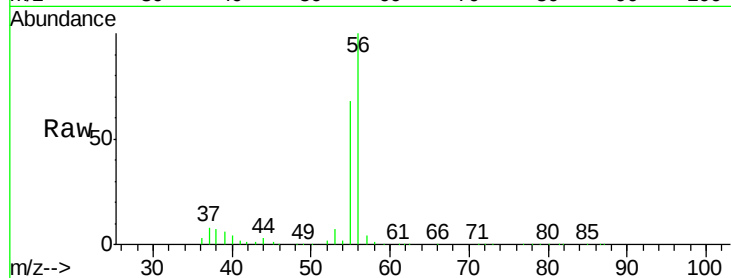
Ion Ratio Lower Upper

56 100

55 71.0 56.6 85.0

Manual Integrations
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#14

Allyl chloride

Concen: 18.653 ug/l

RT: 2.73 min Scan# 258

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

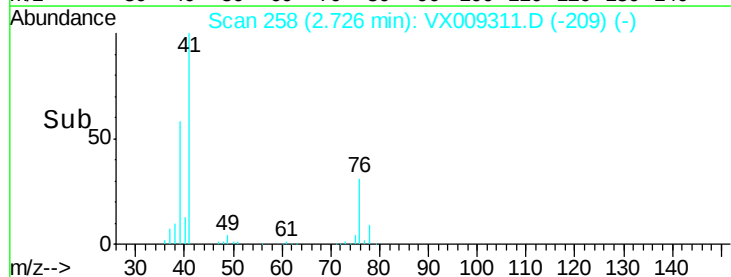
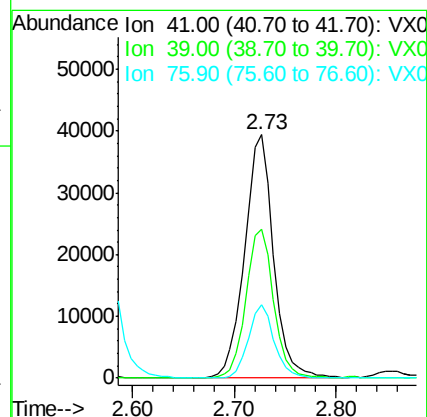
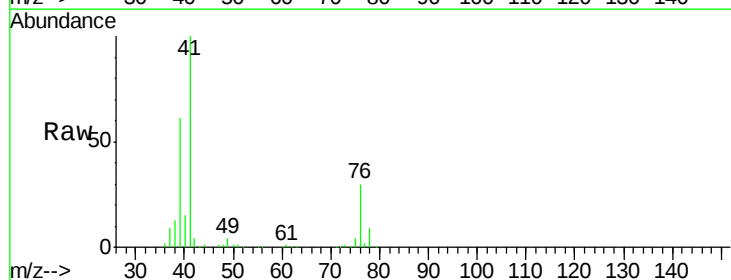
Tgt Ion: 41 Resp: 77200

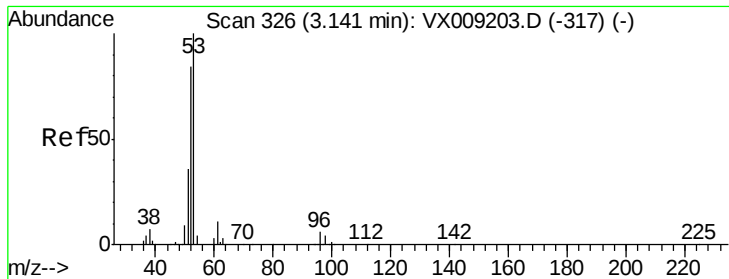
Ion Ratio Lower Upper

41 100

39 59.0 46.7 70.1

76 27.2 21.8 32.8





#15

Acrylonitrile

Concen: 95.719 ug/l

RT: 3.13 min Scan# 325

Delta R.T. -0.01 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Instrument :

MSVOA_X

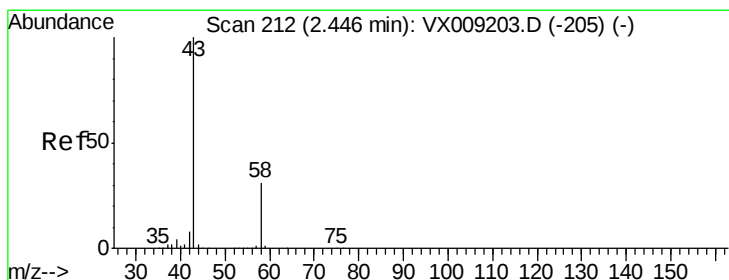
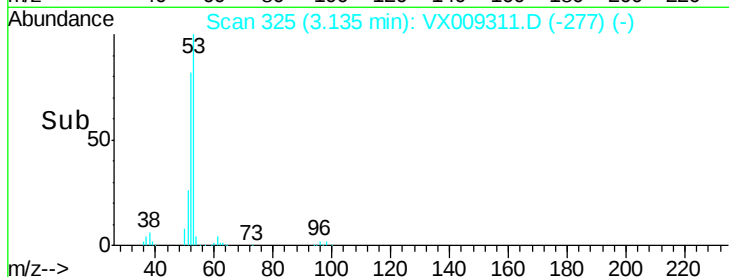
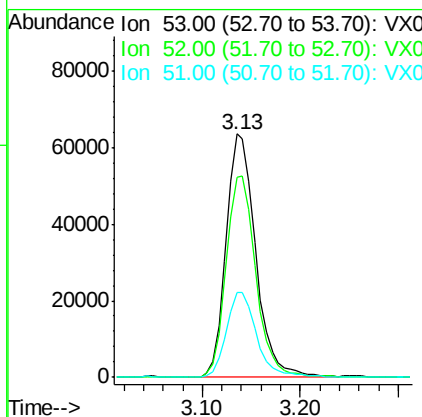
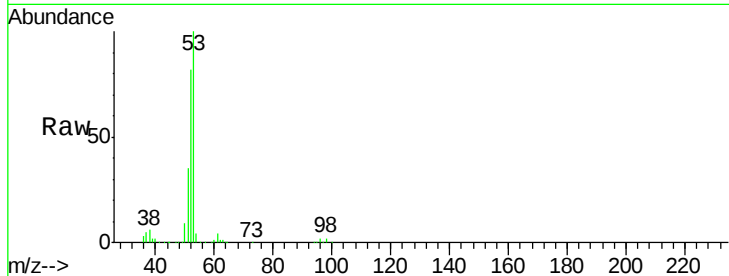
ClientSampleId :

VX0503WBS02

Tot Ion:	53	Resp:	133860
Ion Ratio		Lower	Upper
53	100		
52	83.3	66.9	100.3
51	35.5	28.2	42.2

Manual Integrations
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#16

Acetone

Concen: 90.884 ug/l

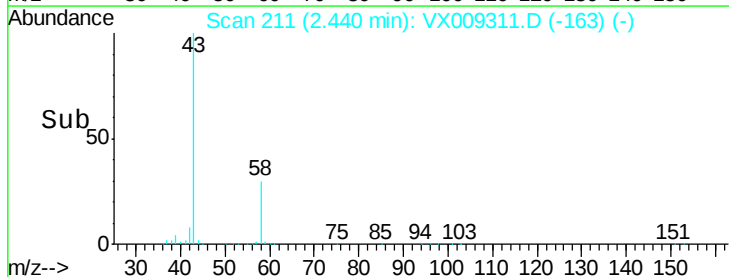
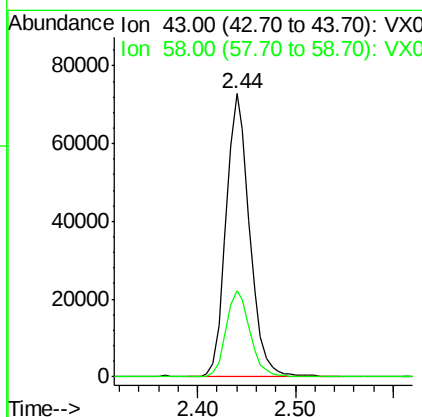
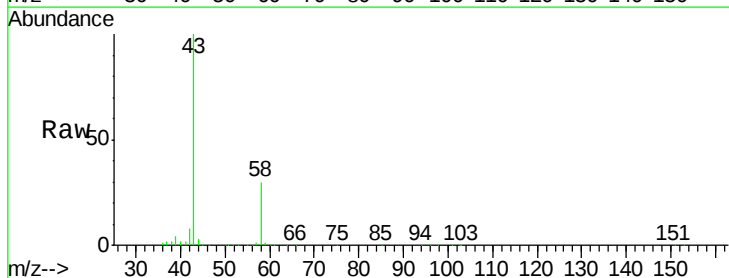
RT: 2.44 min Scan# 211

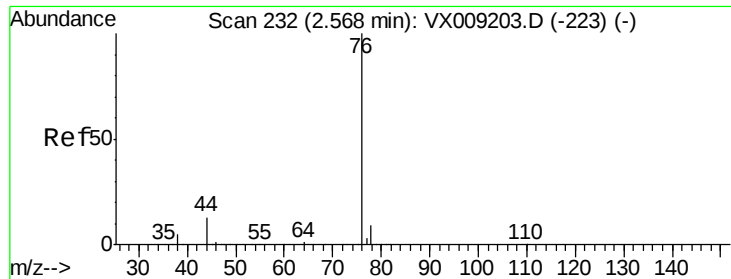
Delta R.T. -0.01 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Tgt Ion:	43	Resp:	120583
Ion Ratio		Lower	Upper
43	100		
58	30.3	24.9	37.3





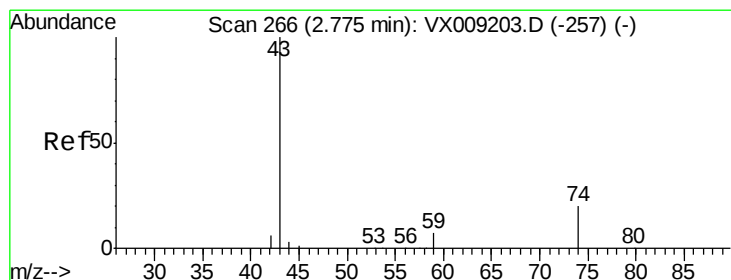
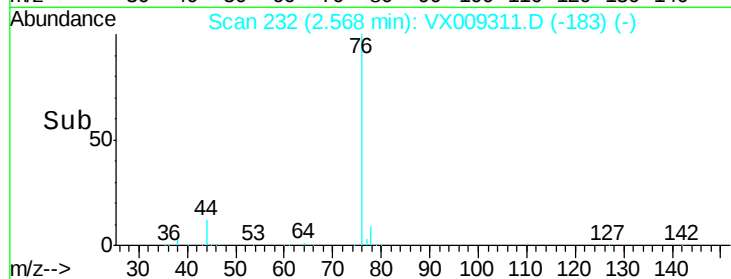
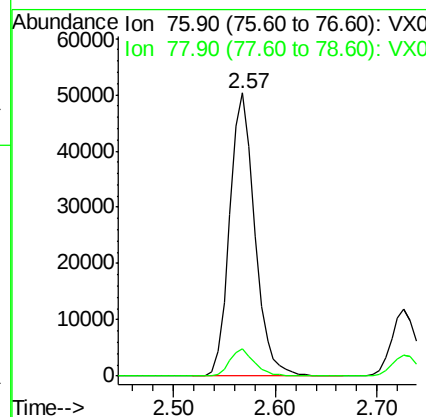
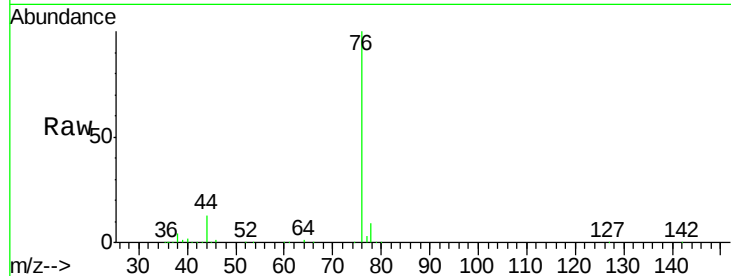
#17
Carbon Disulfide
Concen: 17.977 ug/l
RT: 2.57 min Scan# 232
Delta R.T. -0.00 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.0

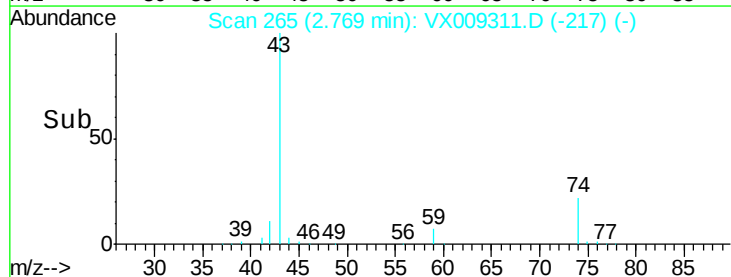
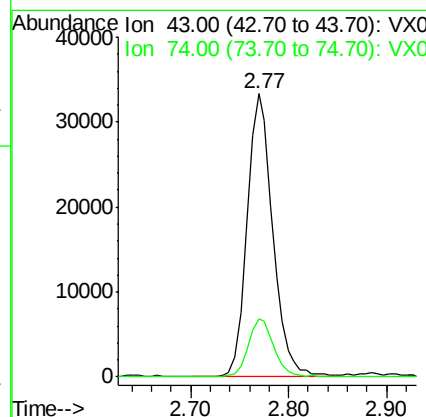
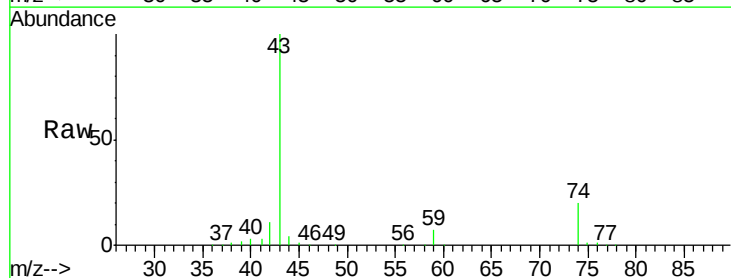
Manual Integrations
APPROVED

MMDadoda
5/6/2019 9:24:50 AM



#18
Methyl Acetate
Concen: 19.367 ug/l
RT: 2.77 min Scan# 265
Delta R.T. -0.01 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	20.4	16.2	24.4





#19

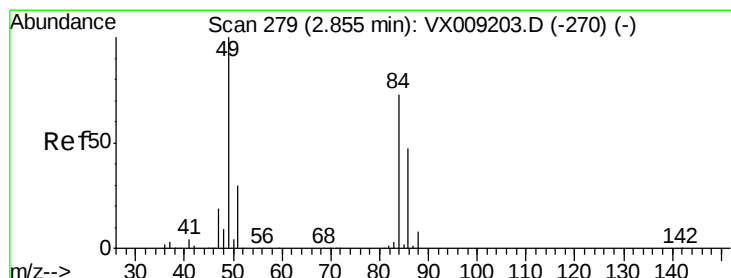
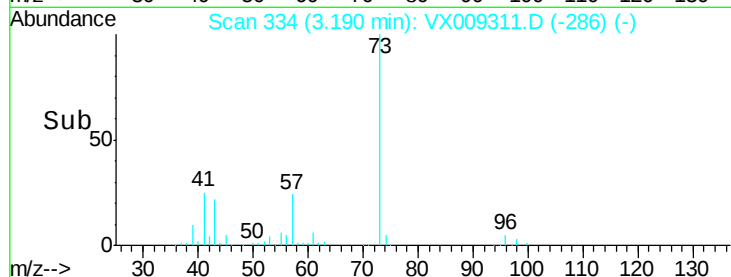
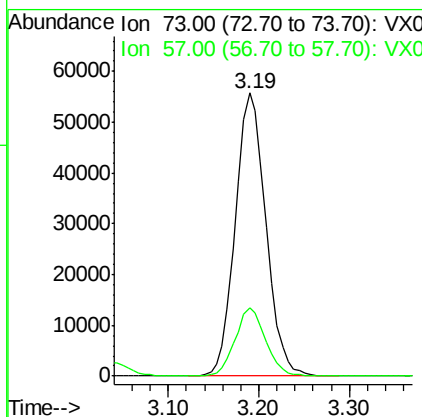
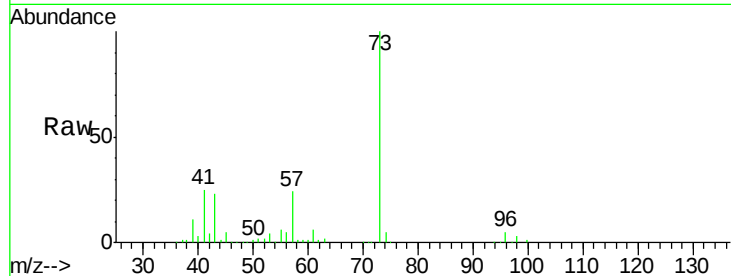
Methyl tert-butyl Ether
 Concen: 19.792 ug/l
 RT: 3.19 min Scan# 334
 Delta R.T. -0.01 min
 Lab File: VX009311.D
 Acq: 03 May 2019 15:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBS02

Tot Ion	Ratio	Lower	Upper
73	100		
57	24.0	19.3	28.9

Manual Integrations
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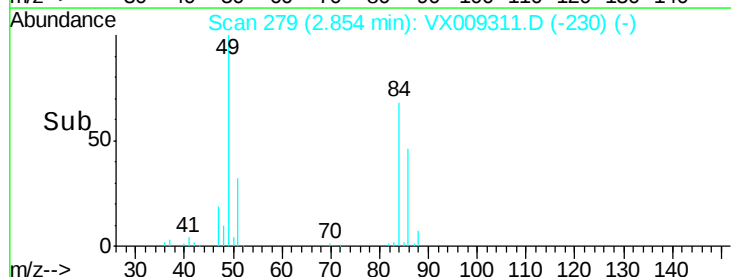
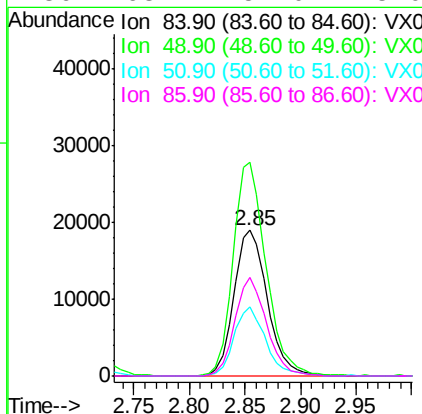
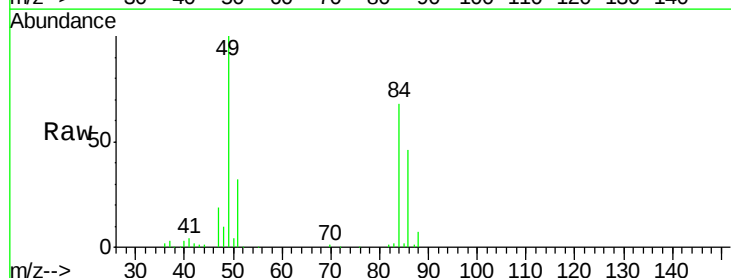
MMDadoda
 5/6/2019 9:24:50 AM

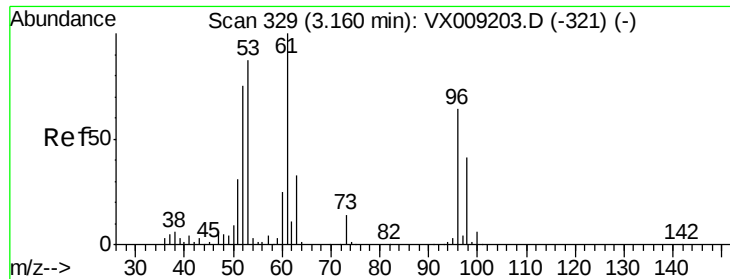


#20

Methylene Chloride
 Concen: 18.292 ug/l
 RT: 2.85 min Scan# 279
 Delta R.T. -0.00 min
 Lab File: VX009311.D
 Acq: 03 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.8	109.9	164.9
51	46.8	32.7	49.1
86	68.1	52.0	78.0





#21

trans-1,2-Dichloroethene

Concen: 19.033 ug/l

RT: 3.16 min Scan# 329

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBS02

Tot Ion: 96 Resp: 35056

Ion Ratio Lower Upper

96 100

61 159.7 124.5 186.7

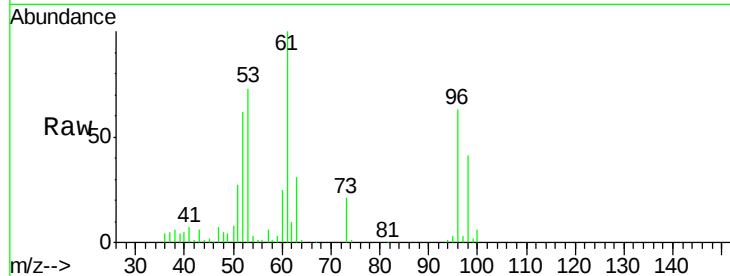
98 64.7 50.4 75.6

Manual Integrations

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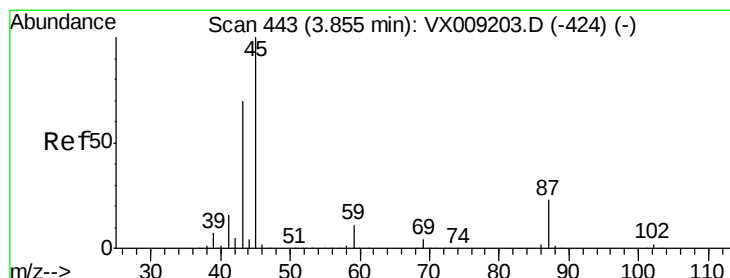
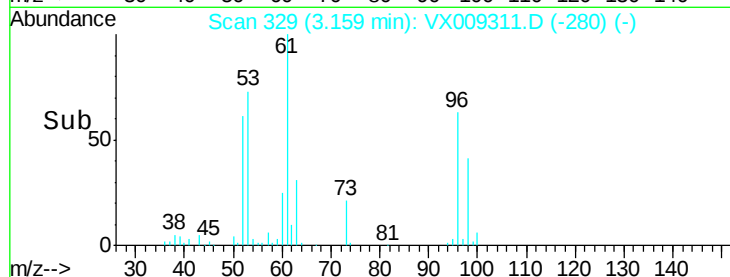
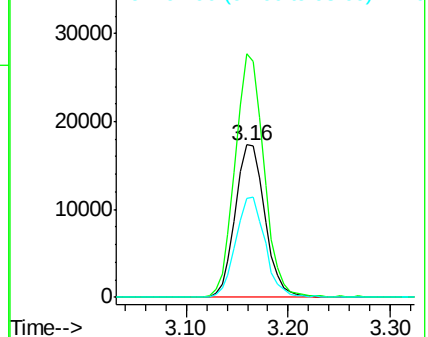
5/6/2019 9:24:50 AM



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: 19.680 ug/l

RT: 3.85 min Scan# 443

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Tgt Ion: 45 Resp: 156640

Ion Ratio Lower Upper

45 100

43 64.6 56.1 84.1

87 23.0 18.1 27.1

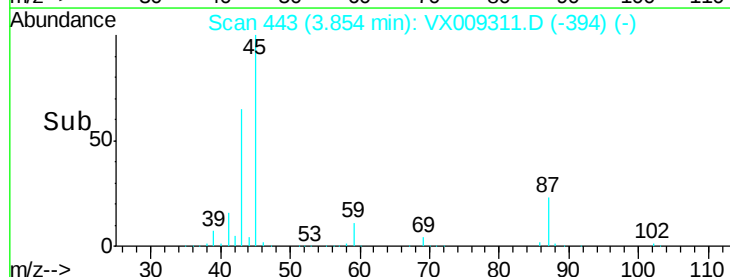
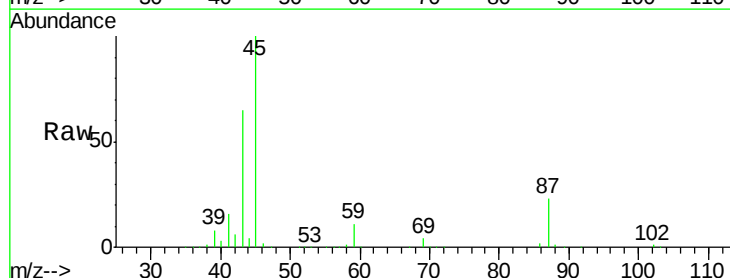
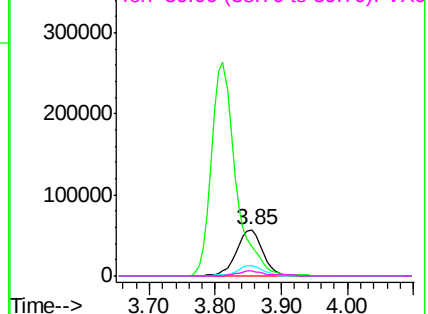
59 10.6 8.5 12.7

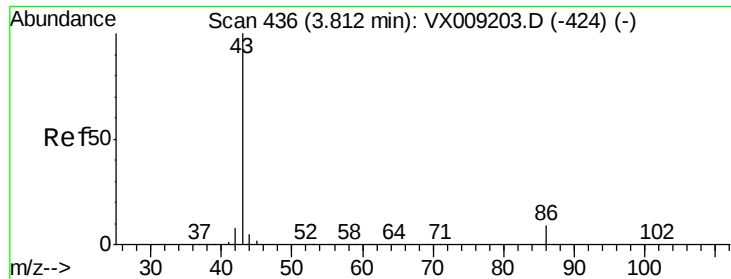
Abundance Ion 45.00 (44.70 to 45.70): VX0

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: 99.187 ug/l

RT: 3.81 min Scan# 436

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBS02

Tot Ion: 43 Resp: 676031

Ion Ratio Lower Upper

43 100

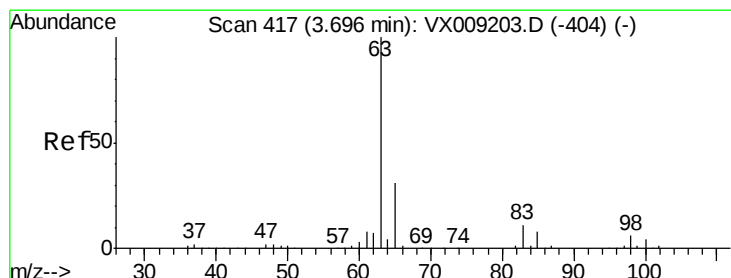
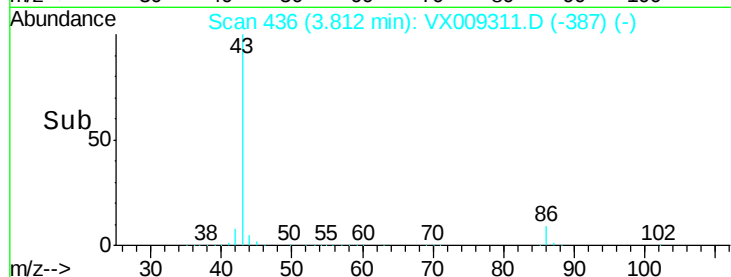
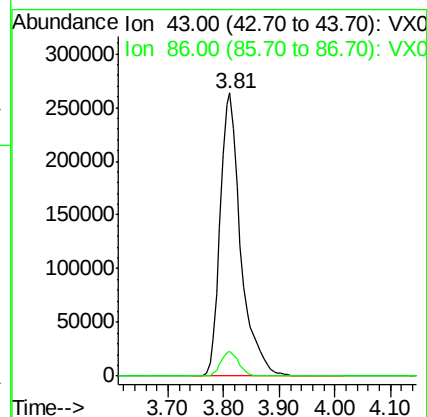
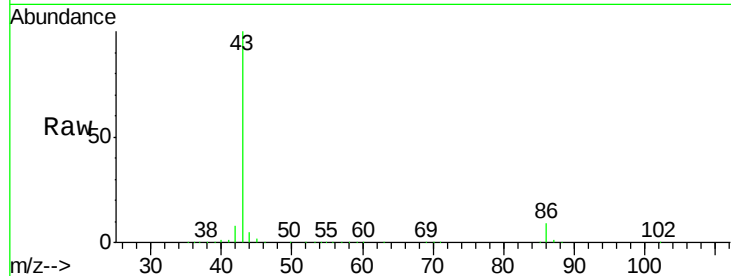
86 8.8 6.9 10.3

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#24

1,1-Dichloroethane

Concen: 19.162 ug/l

RT: 3.70 min Scan# 417

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

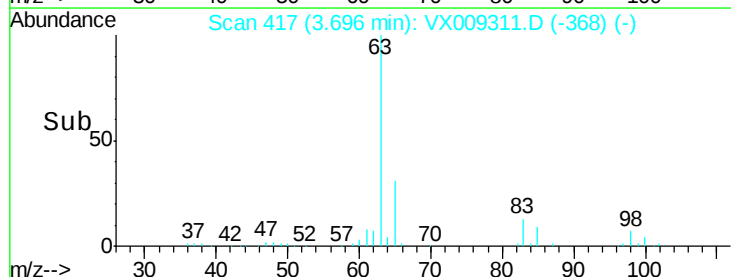
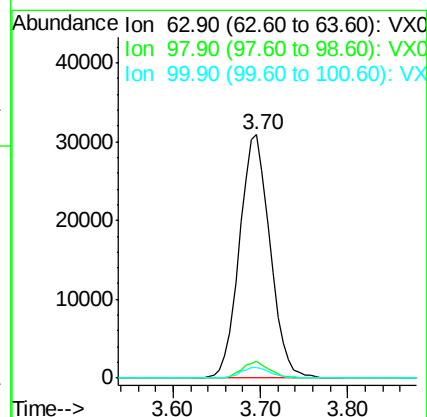
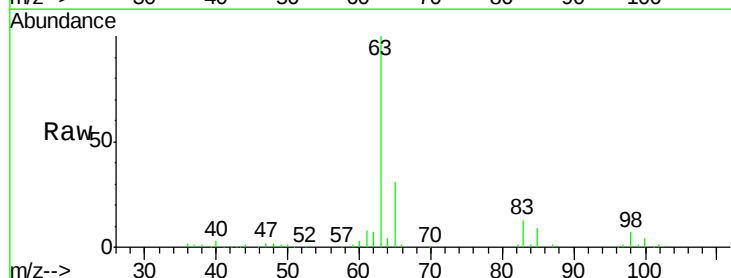
Tgt Ion: 63 Resp: 75239

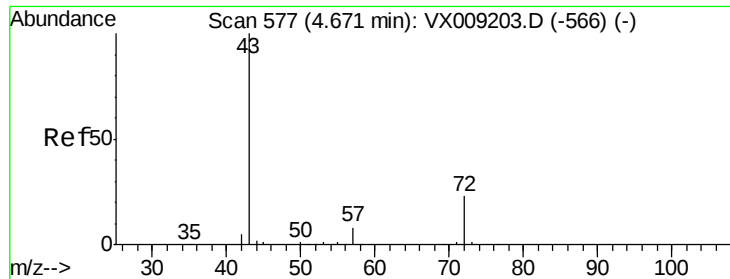
Ion Ratio Lower Upper

63 100

98 6.8 3.0 9.2

100 4.2 2.0 6.0





#25

2-Butanone

Concen: 96.255 ug/l

RT: 4.67 min Scan# 576

Delta R.T. -0.01 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBS02

Tot Ion: 43 Resp: 198455

Ion Ratio Lower Upper

43 100

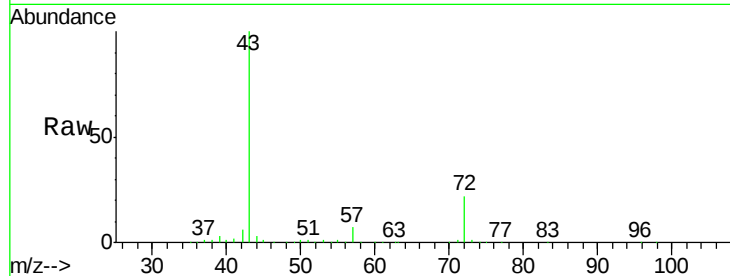
72 22.3 18.2 27.2

Manual Integrations

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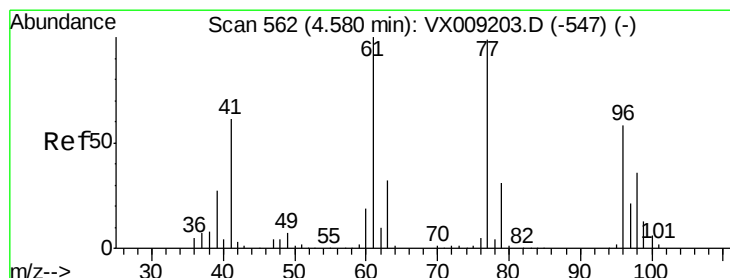
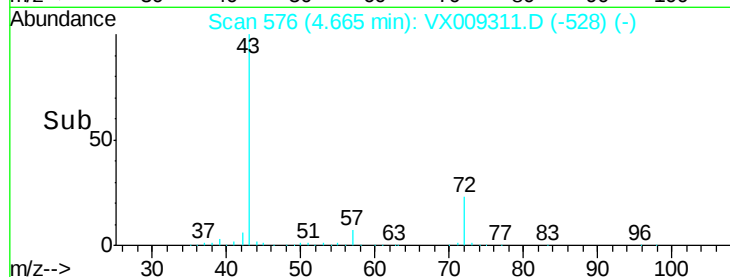
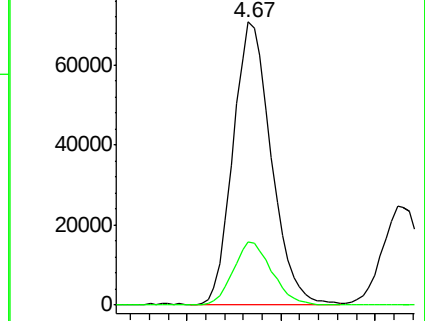
MMDadoda

5/6/2019 9:24:50 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 19.106 ug/l

RT: 4.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VX009311.D

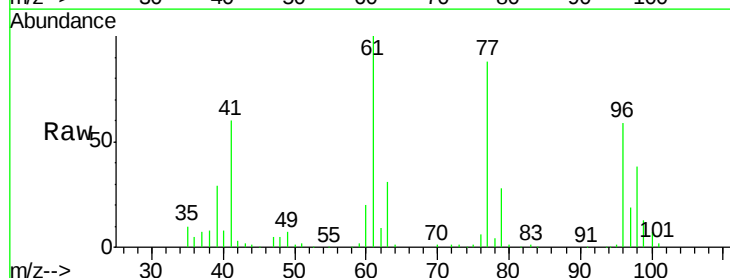
Acq: 03 May 2019 15:54

Tgt Ion: 77 Resp: 55839

Ion Ratio Lower Upper

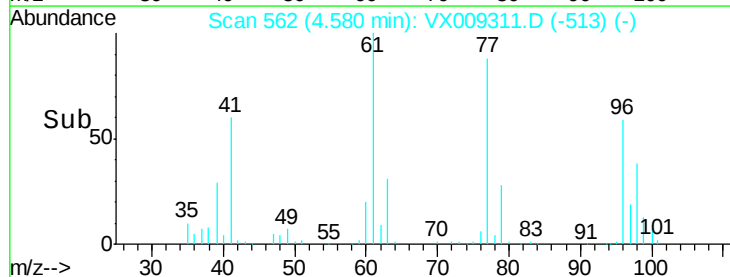
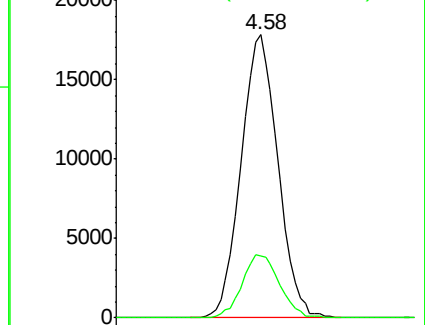
77 100

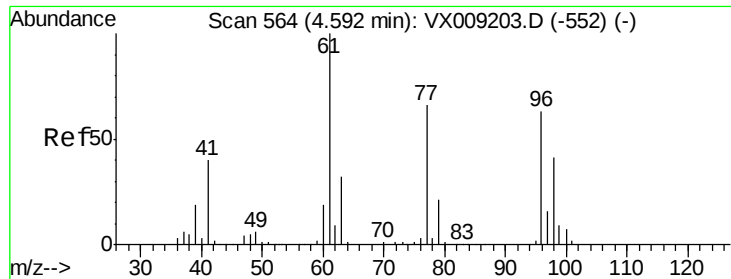
97 22.7 11.5 34.4



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

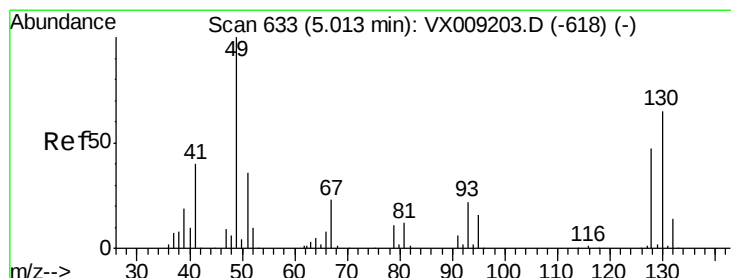
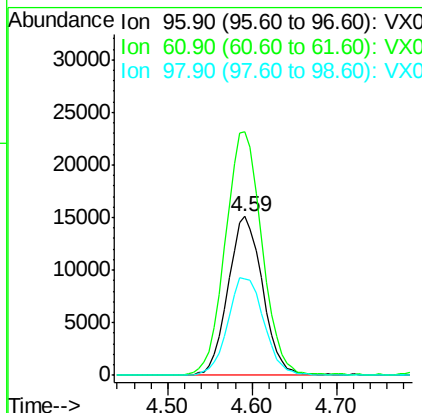
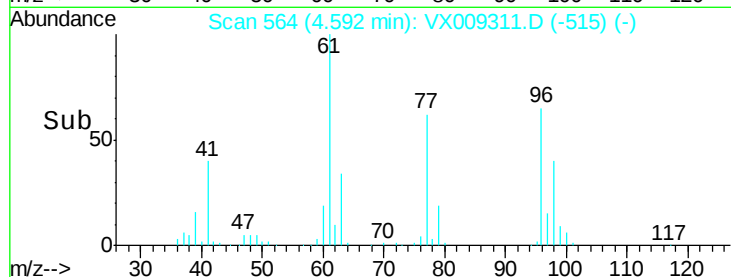
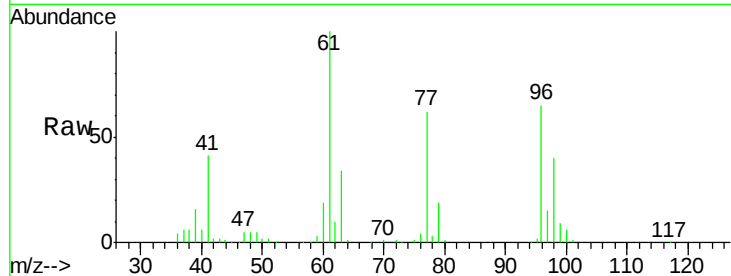
cis-1,2-Dichloroethene
Concen: 19.118 ug/l
RT: 4.59 min Scan# 564
Delta R.T. -0.00 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS02

Tot Ion	Ratio	Lower	Upper
96	100		
61	162.8	0.0	324.0
98	64.4	0.0	130.4

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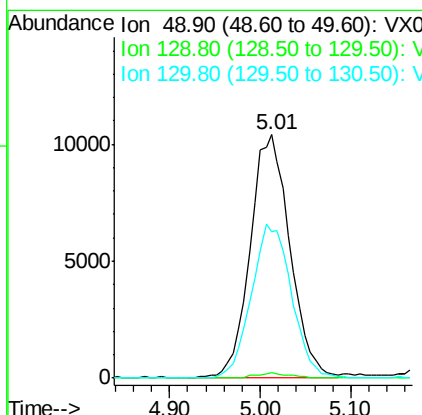
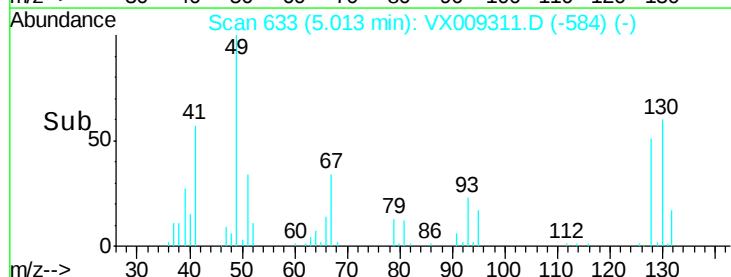
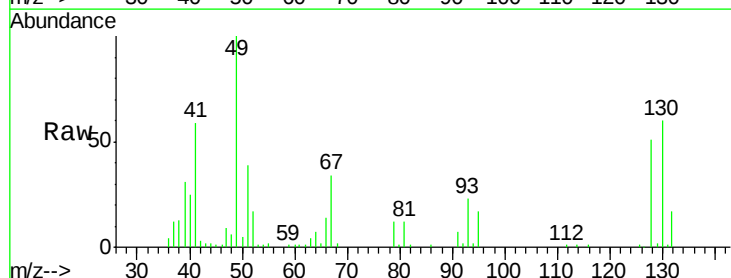
MMDadoda
5/6/2019 9:24:50 AM

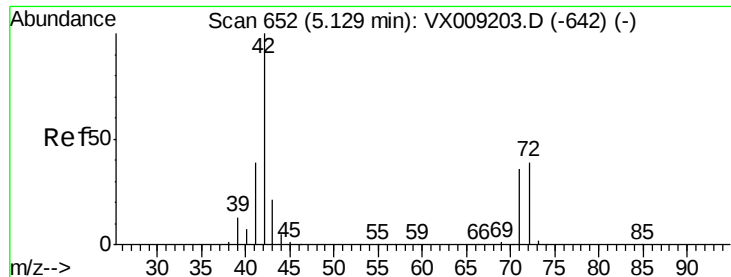


#28

Bromochloromethane
Concen: 18.232 ug/l
RT: 5.01 min Scan# 633
Delta R.T. 0.00 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	63.8	51.2	76.8





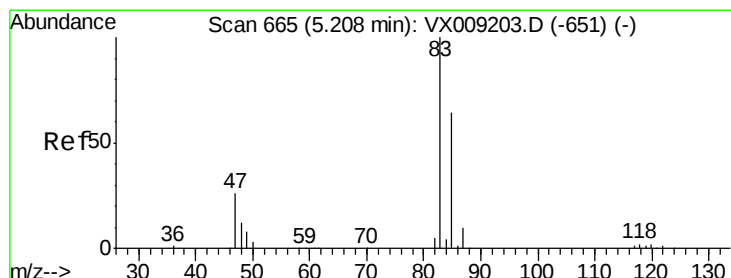
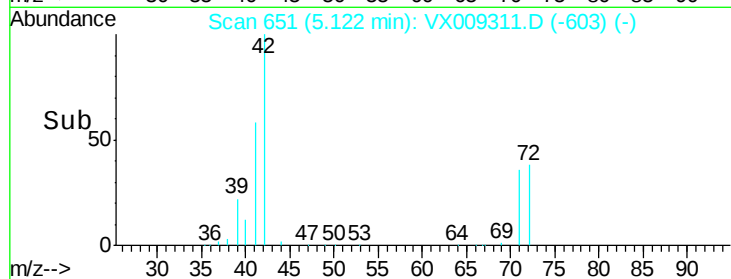
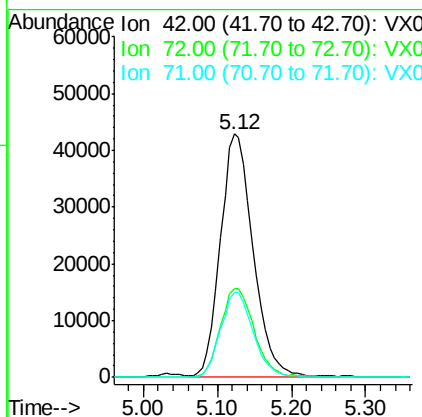
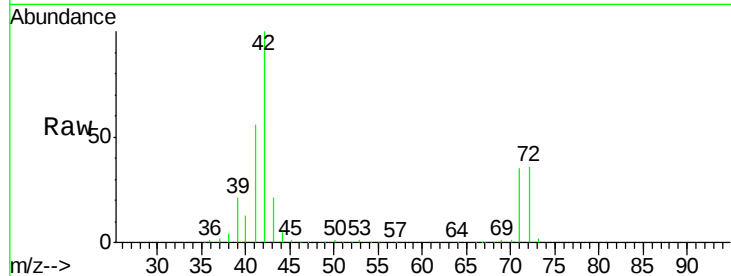
#29
Tetrahydrofuran
Concen: 98.577 ug/l
RT: 5.12 min Scan# 651
Delta R.T. -0.01 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
42	100		130786		
72	38.1		30.4	45.6	
71	35.3		28.6	43.0	

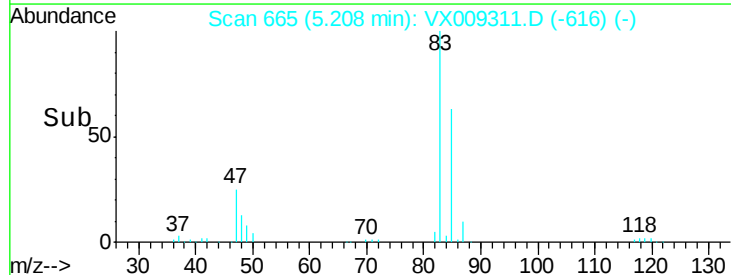
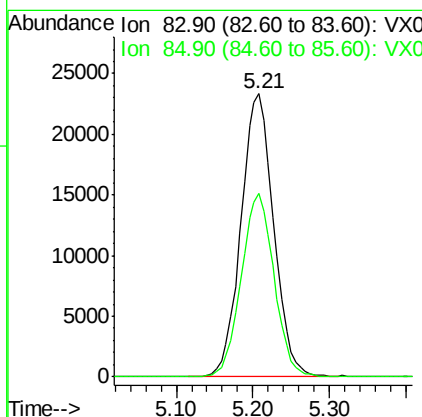
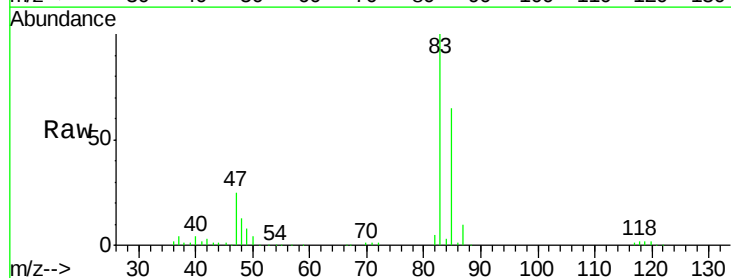
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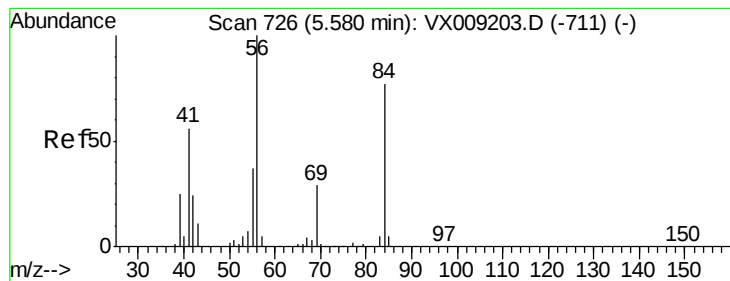
MMDadoda
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#30
Chloroform
Concen: 19.516 ug/l
RT: 5.21 min Scan# 665
Delta R.T. -0.00 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
83	100		69305		
85	64.9		51.5	77.3	





#31

Cyclohexane

Concen: 19.232 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Instrument :

MSVOA_X

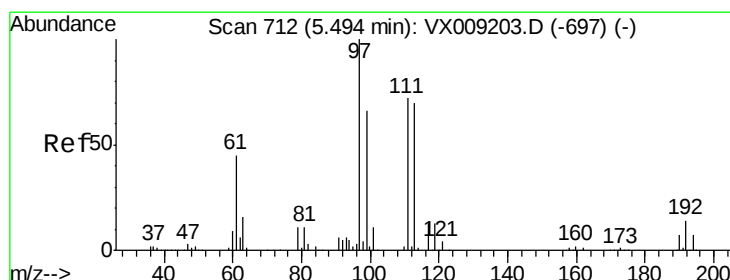
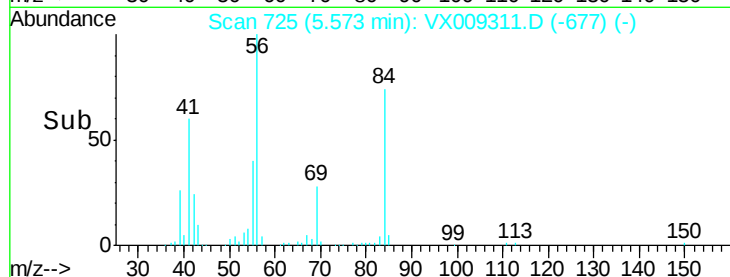
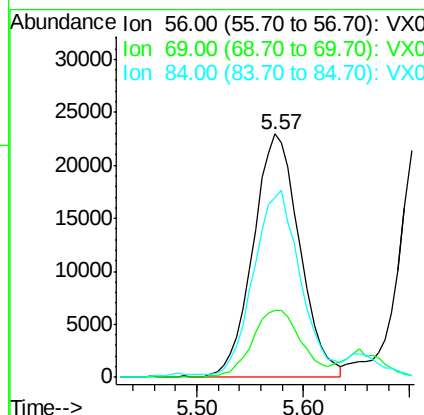
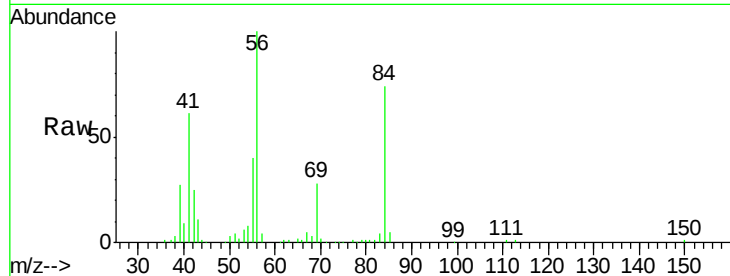
ClientSampleId :

VX0503WBS02

Tot Ion:	56	Resp:	70255
Ion Ratio	Lower	Upper	
56	100		
69	27.3	23.4	35.0
84	72.6	61.9	92.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.217 ug/l

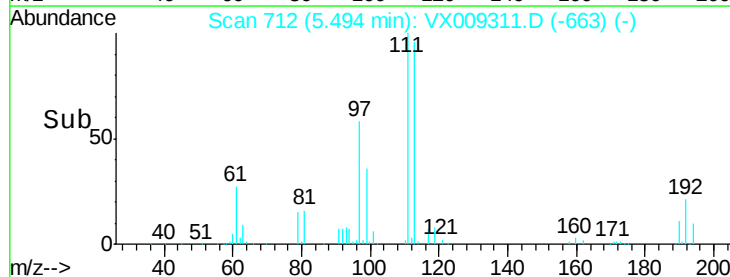
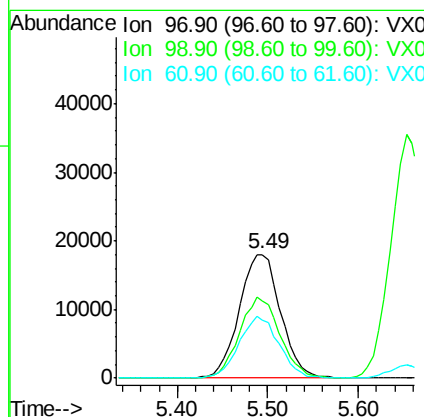
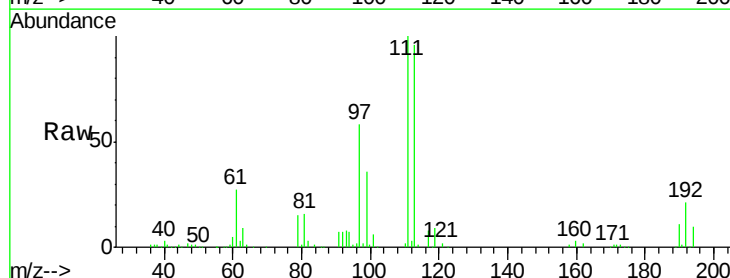
RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Tgt Ion:	97	Resp:	56809
Ion Ratio	Lower	Upper	
97	100		
99	64.3	51.8	77.8
61	48.3	37.8	56.8





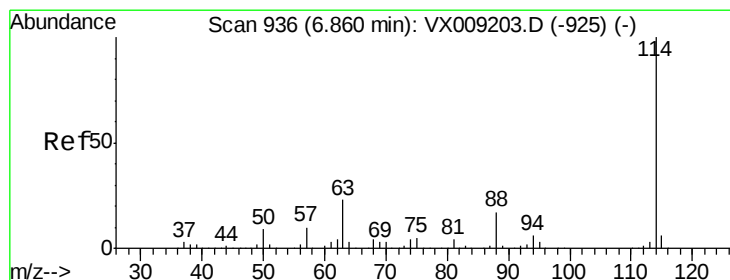
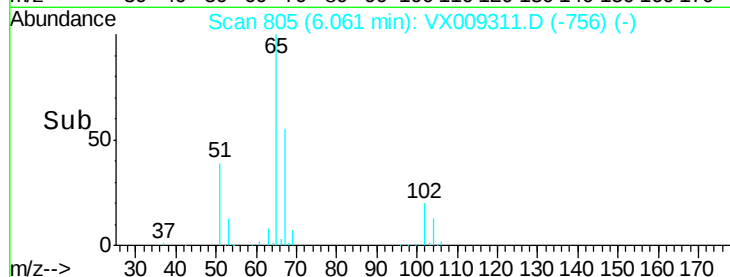
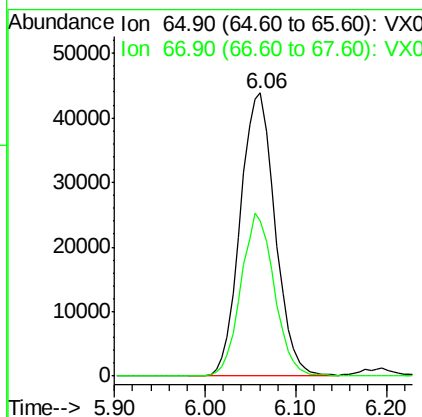
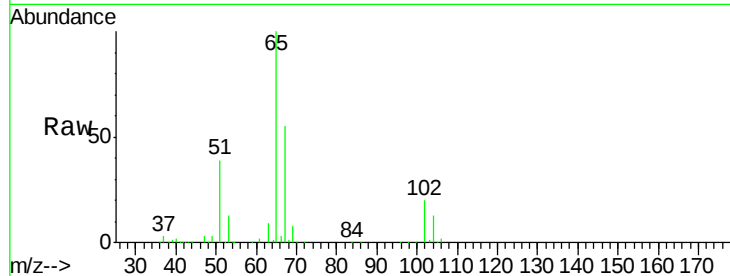
#33
 1,2-Dichloroethane-d4
 Concen: 47.314 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX009311.D
 Acq: 03 May 2019 15:54

Instrument :
 MSVOA_X
 ClientSampled :
 VX0503WBS02

Tot Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	106.6

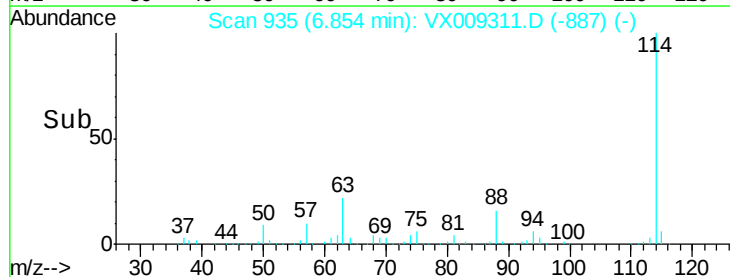
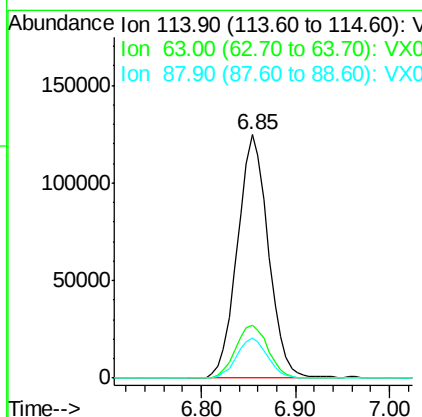
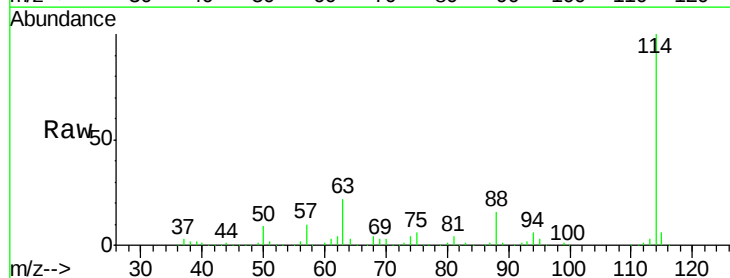
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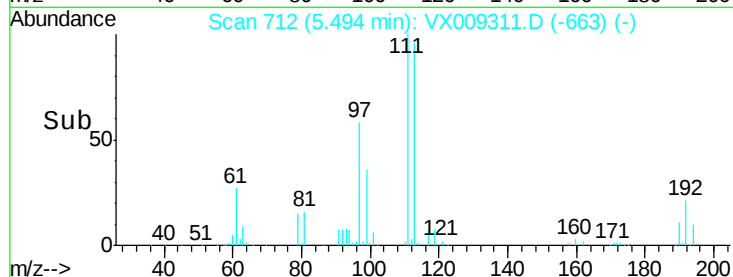
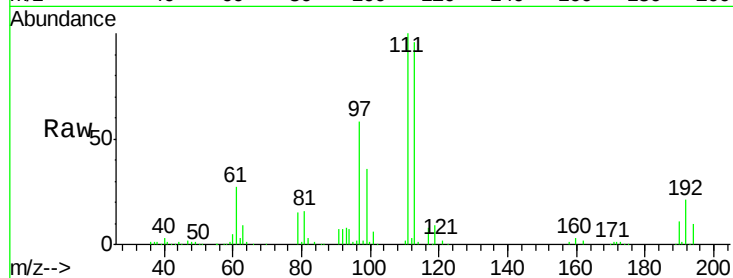
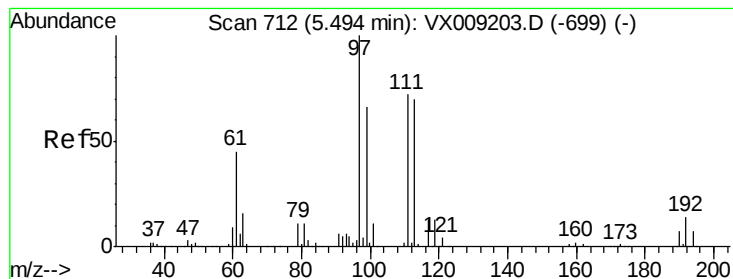
MMDadoda
 5/6/2019 9:24:50 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.01 min
 Lab File: VX009311.D
 Acq: 03 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	45.6
88	16.2	0.0	33.2





#35

Dibromofluoromethane

Concen: 48.857 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Tot Ion:	113	Resp:	87332
Ion Ratio	Lower	Upper	
113	100		
111	103.2	82.8	124.2
192	21.7	17.0	25.6

Instrument :

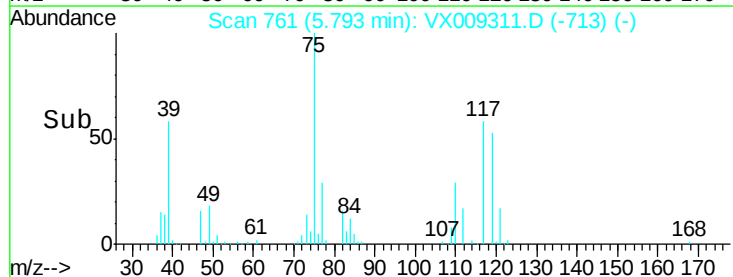
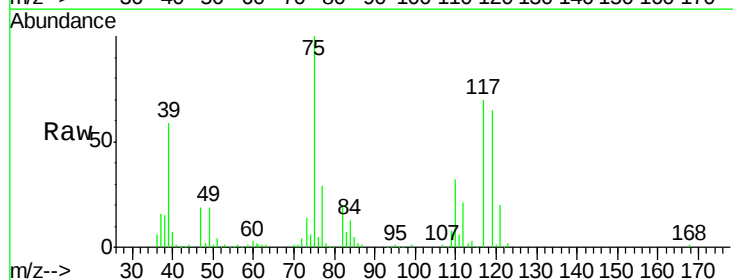
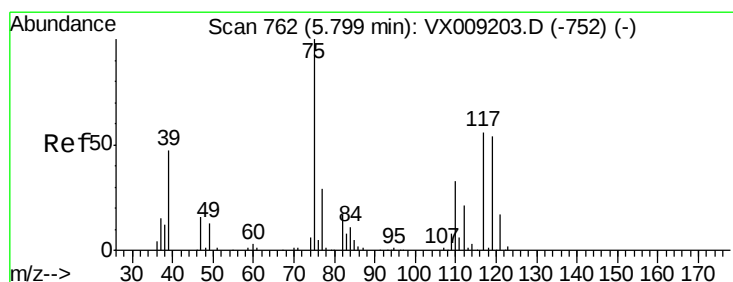
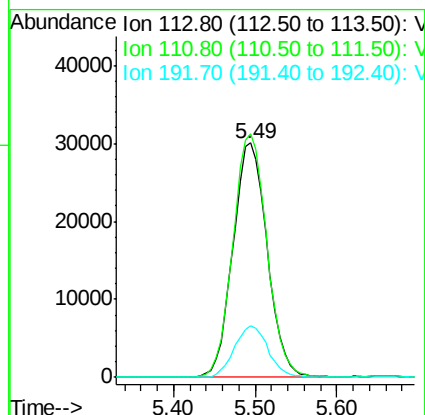
MSVOA_X

ClientSampleId :

VX0503WBS02

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5/6/2019 9:24:50 AM



#36

1,1-Dichloropropene

Concen: 20.010 ug/l

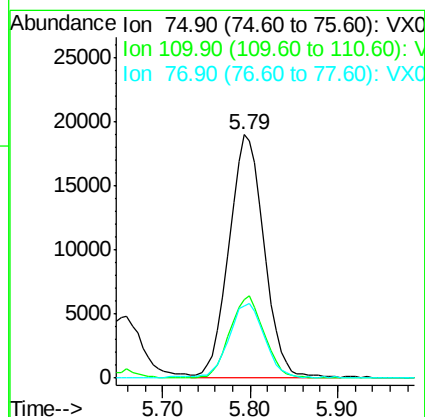
RT: 5.79 min Scan# 761

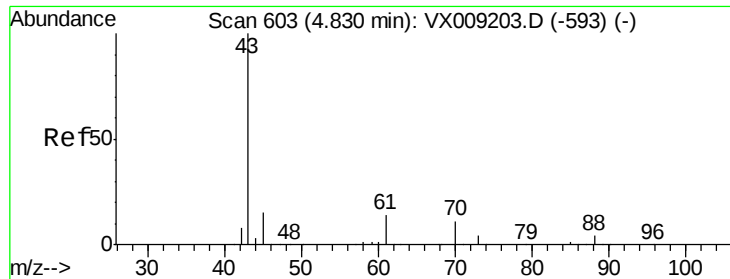
Delta R.T. -0.01 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Tgt Ion:	75	Resp:	52875
Ion Ratio	Lower	Upper	
75	100		
110	33.1	16.9	50.6
77	31.5	24.8	37.2





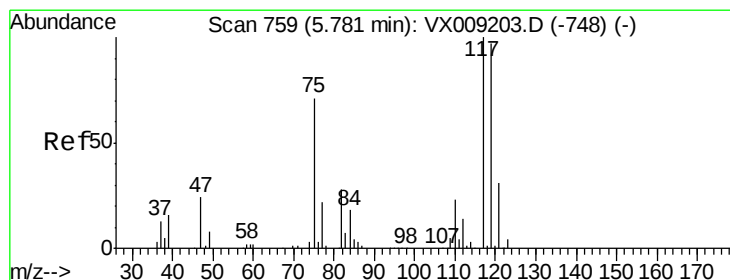
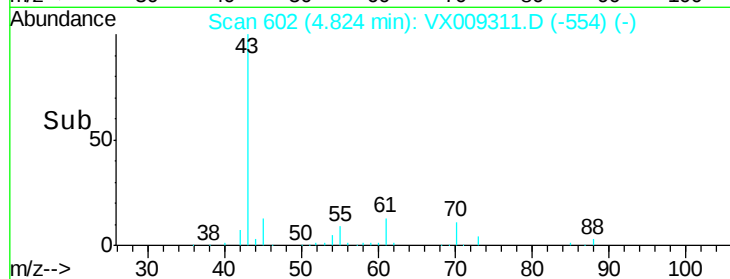
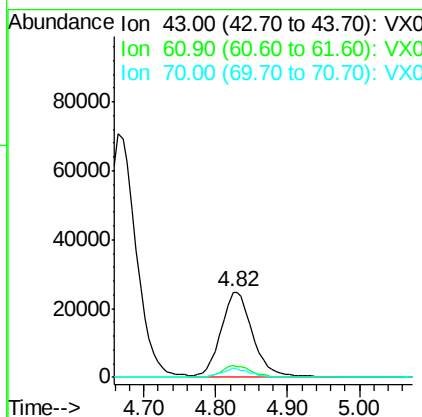
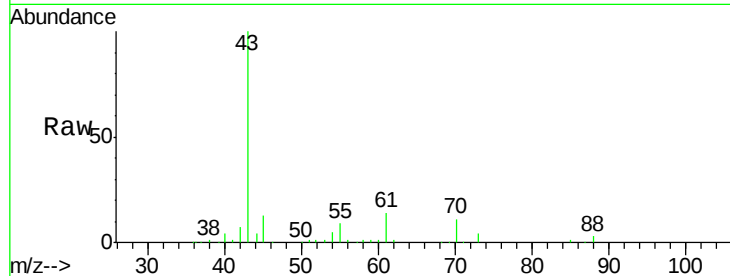
#37
Ethyl Acetate
Concen: 20.281 ug/l
RT: 4.82 min Scan# 602
Delta R.T. -0.01 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	10.5	15.7
70	9.6	7.9	11.9

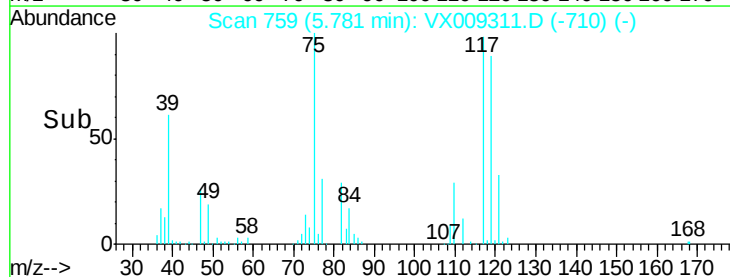
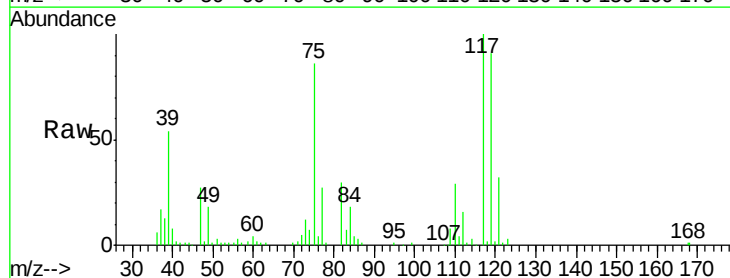
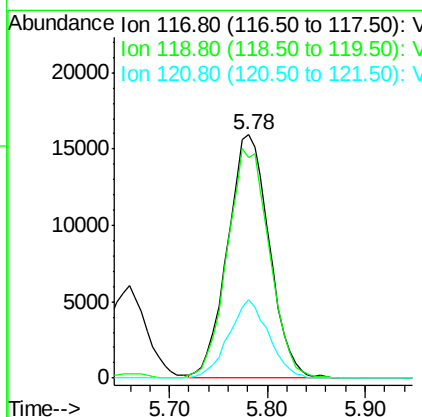
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#38
Carbon Tetrachloride
Concen: 19.669 ug/l
RT: 5.78 min Scan# 759
Delta R.T. -0.00 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.6	77.5	116.3
121	32.5	24.7	37.1





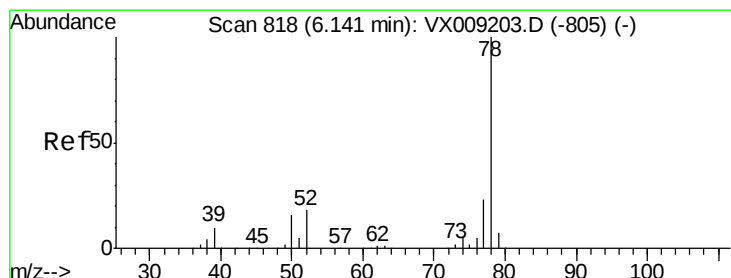
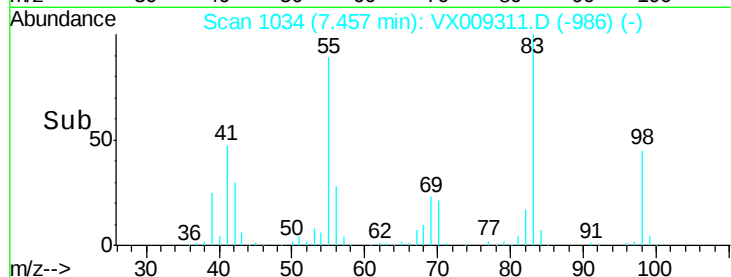
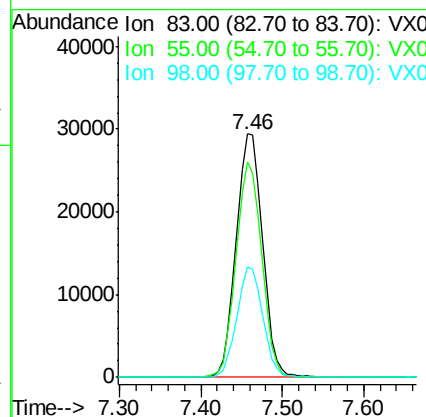
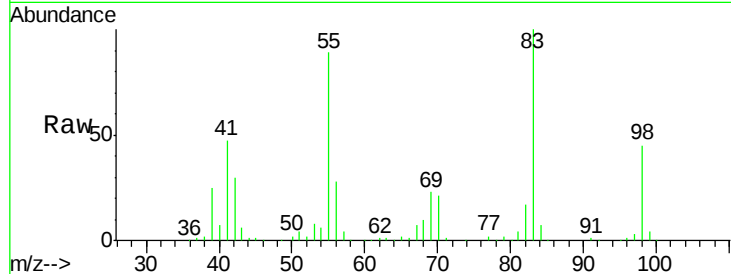
#39
Methvlcvclohexane
Concen: 20.236 ug/l
RT: 7.46 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS02

Tot Ion	Ratio	Lower	Upper
83	100		
55	88.6	67.7	101.5
98	45.3	35.5	53.3

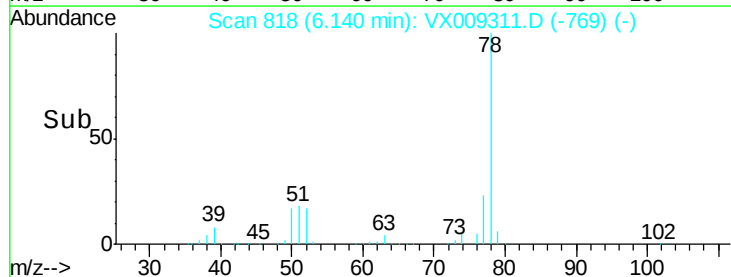
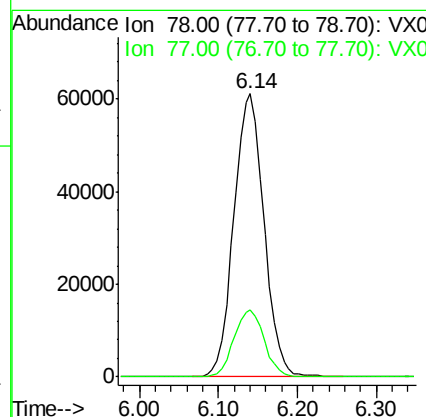
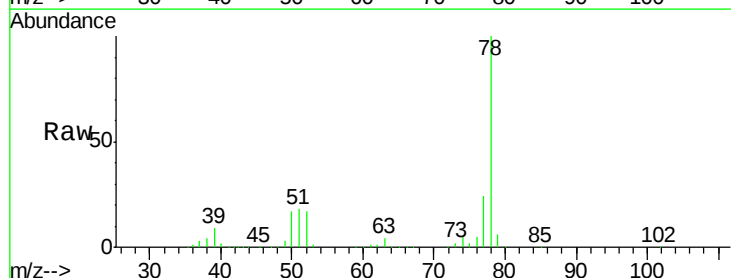
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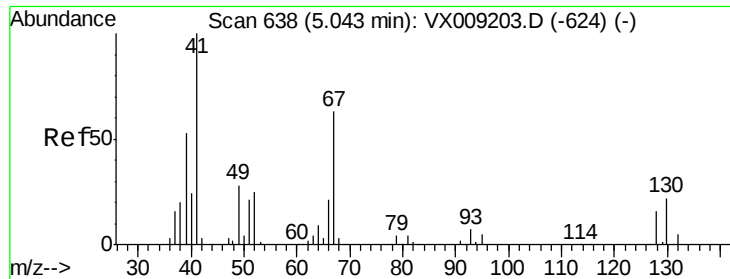
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#40
Benzene
Concen: 19.834 ug/l
RT: 6.14 min Scan# 818
Delta R.T. -0.00 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.8	28.2





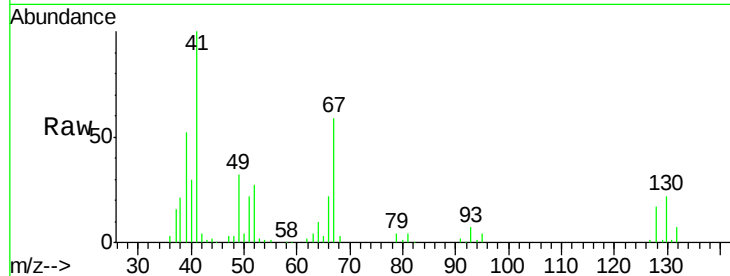
#41
Methacrylonitrile
Concen: 19.038 ug/l
RT: 5.04 min Scan# 637
Delta R.T. -0.01 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS02

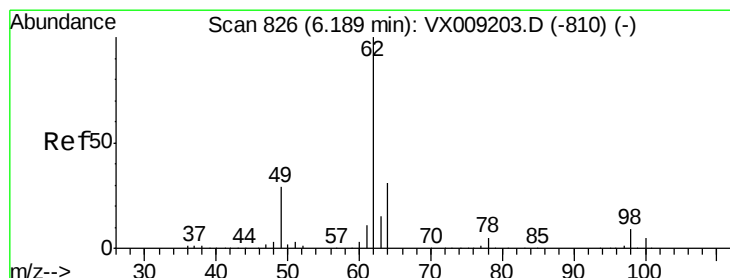
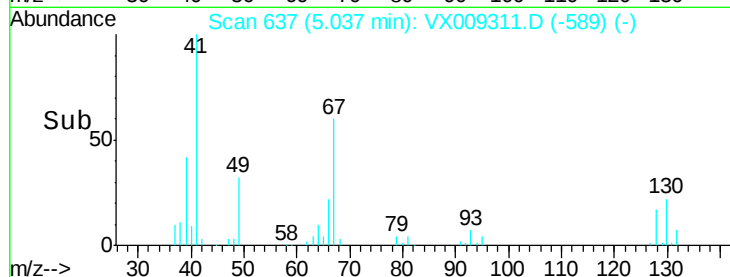
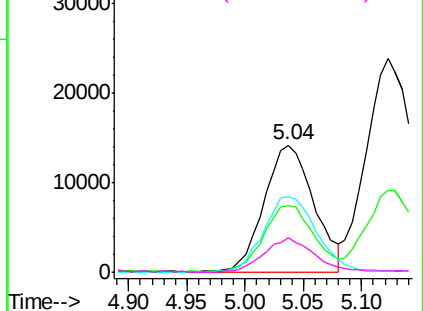
Tot Ion:	41	Resp:	41724
Ion	Ratio	Lower	Upper
41	100		
39	52.9	42.0	63.0
67	63.9	49.8	74.8
52	27.3	20.3	30.5

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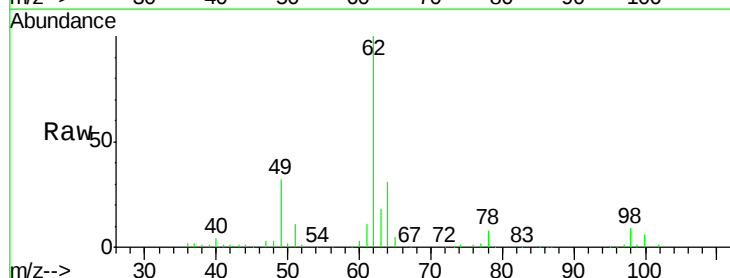


Abundance Ion 41.00 (40.70 to 41.70): VX0
Ion 39.00 (38.70 to 39.70): VX0
Ion 67.00 (66.70 to 67.70): VX0
Ion 52.00 (51.70 to 52.70): VX0

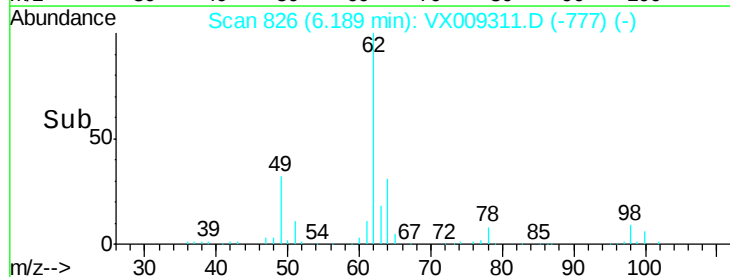
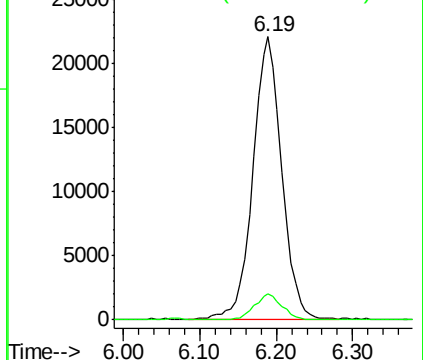


#42
1,2-Dichloroethane
Concen: 19.868 ug/l
RT: 6.19 min Scan# 826
Delta R.T. -0.00 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Tgt Ion:	62	Resp:	58285
Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.2



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





#43

Isopropyl Acetate

Concen: 19.849 ug/l

RT: 6.44 min Scan# 867

Delta R.T. -0.01 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Instrument :

MSVOA_X

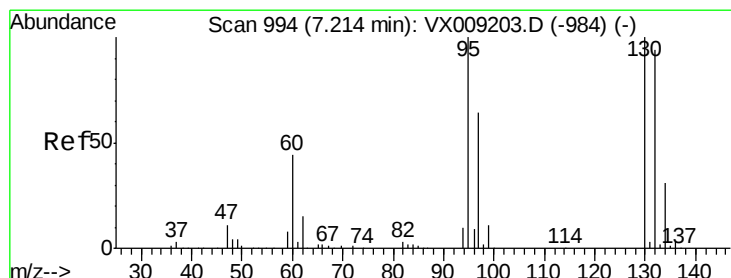
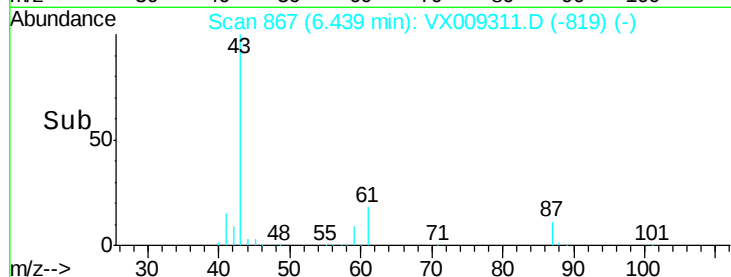
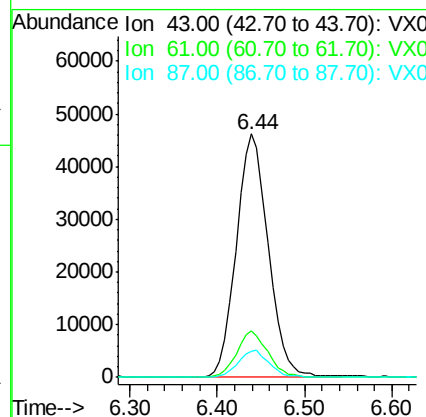
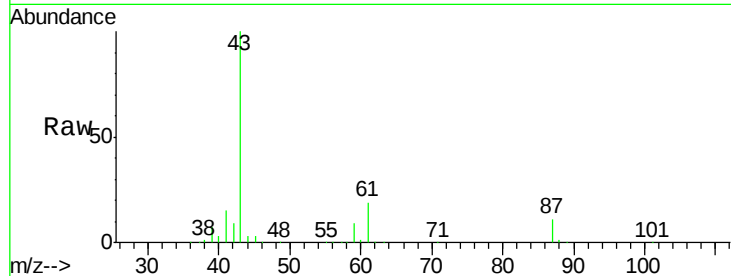
ClientSampleId :

VX0503WBS02

Tot Ion:	43	Resp:	116893
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.1	22.7
87	11.1	9.0	13.6

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#44

Trichloroethene

Concen: 19.453 ug/l

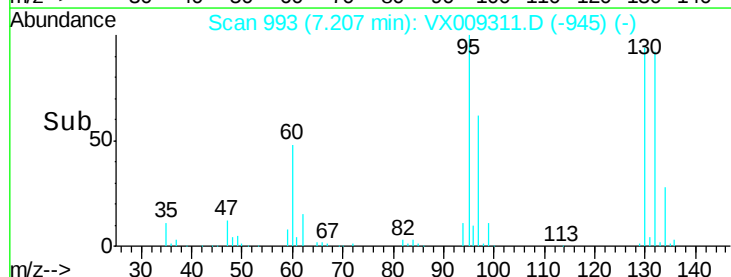
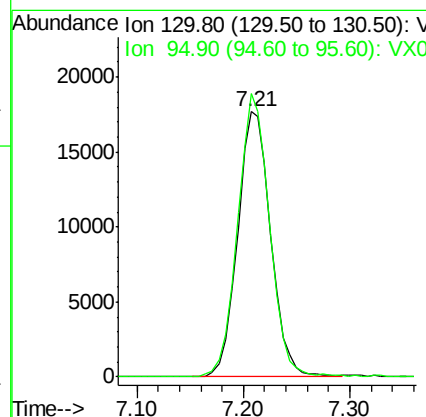
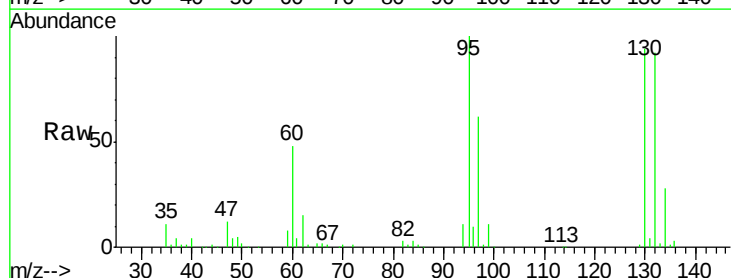
RT: 7.21 min Scan# 993

Delta R.T. -0.01 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Tgt Ion:	130	Resp:	38459
Ion	Ratio	Lower	Upper
130	100		
95	106.7	0.0	199.2





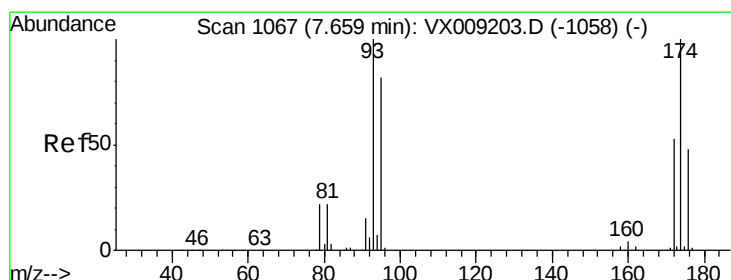
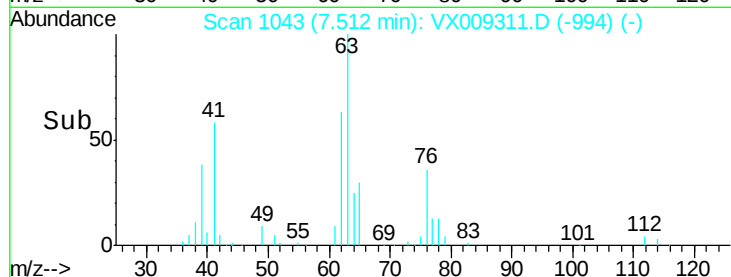
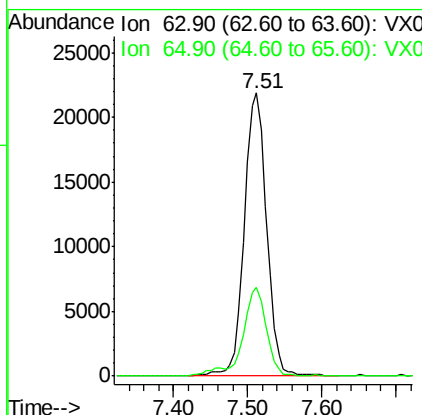
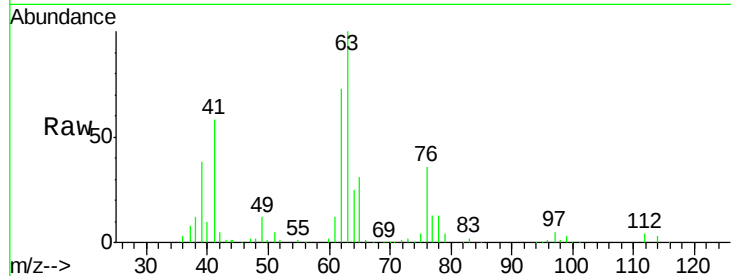
#45
 1,2-Dichloropropane
 Concen: 19.937 ug/l
 RT: 7.51 min Scan# 1043
 Delta R.T. -0.00 min
 Lab File: VX009311.D
 Acq: 03 May 2019 15:54

Instrument :
 MSVOA_X
 ClientSampled :
 VX0503WBS02

Tot Ion: 63 Resp: 46168
 Ion Ratio Lower Upper
 63 100
 65 31.2 25.0 37.6

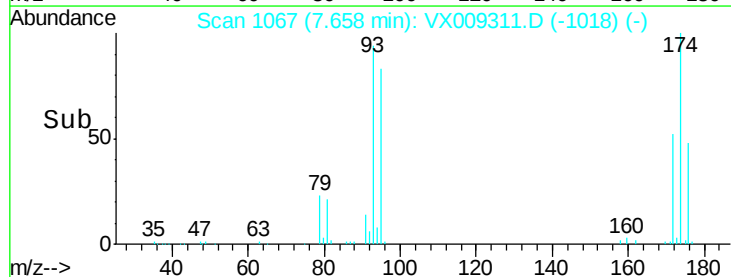
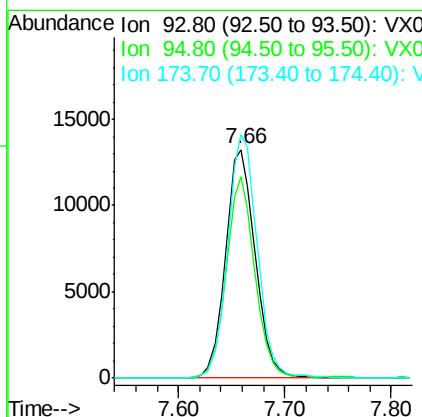
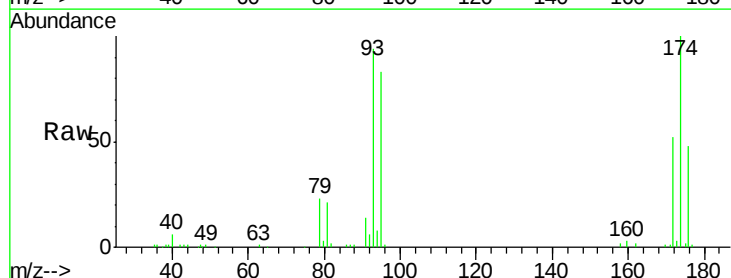
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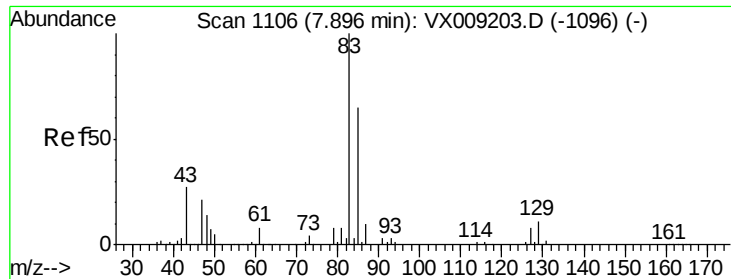
MMDadoda
 5/6/2019 9:24:50 AM



#46
 Dibromomethane
 Concen: 19.226 ug/l
 RT: 7.66 min Scan# 1067
 Delta R.T. -0.00 min
 Lab File: VX009311.D
 Acq: 03 May 2019 15:54

Tgt Ion: 93 Resp: 25854
 Ion Ratio Lower Upper
 93 100
 95 84.8 66.5 99.7
 174 106.4 82.1 123.1





#47

Bromodichloromethane

Concen: 19.675 ug/l

RT: 7.90 min Scan# 1106

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Instrument :

MSVOA_X

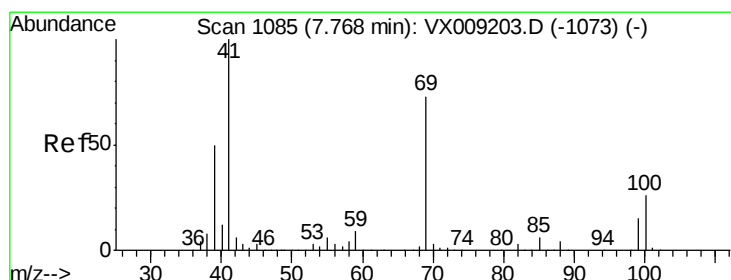
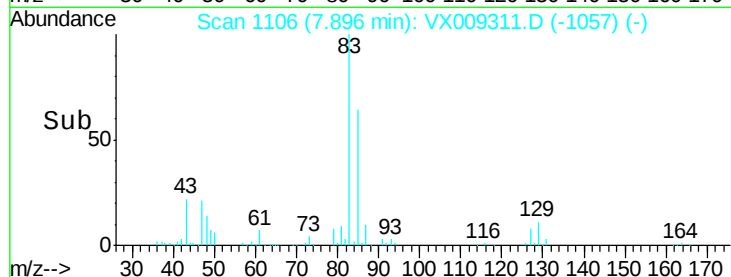
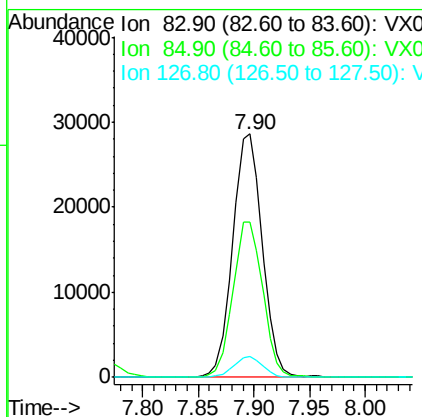
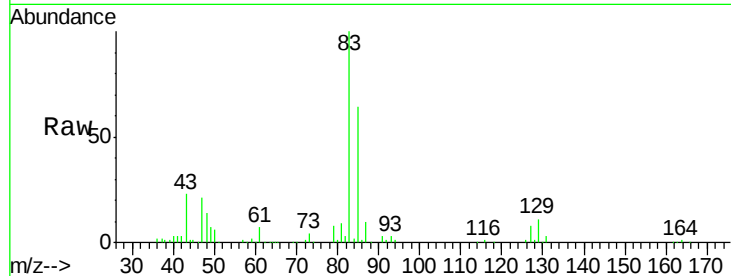
ClientSampleId :

VX0503WBS02

Tot Ion:	83	Resp:	52777
Ion Ratio	Lower	Upper	
83	100		
85	63.8	52.4	78.6
127	8.3	6.6	10.0

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#48

Methyl methacrylate

Concen: 20.152 ug/l

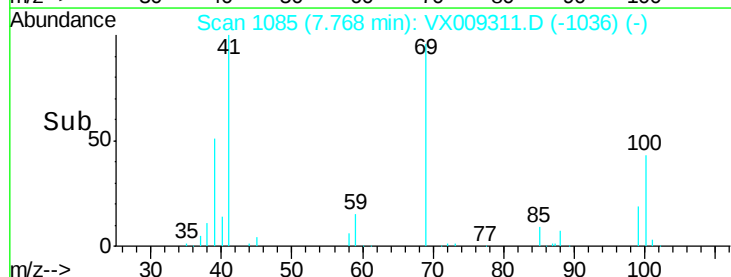
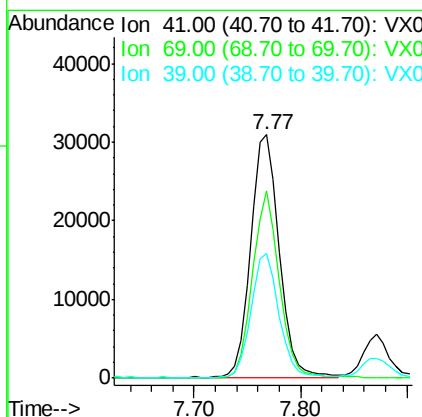
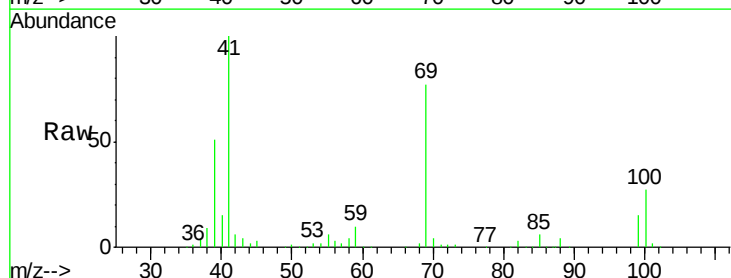
RT: 7.77 min Scan# 1085

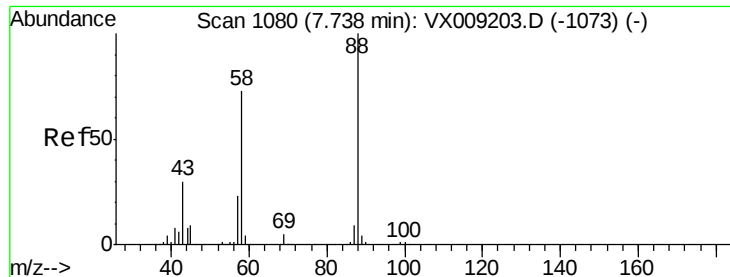
Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Tgt Ion:	41	Resp:	58879
Ion Ratio	Lower	Upper	
41	100		
69	72.1	59.1	88.7
39	50.5	40.4	60.6





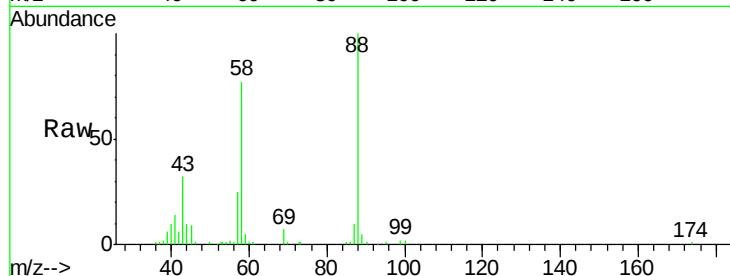
#49
1,4-Dioxane
Concen: 392.759 ug/l
RT: 7.74 min Scan# 1080
Delta R.T. -0.00 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS02

Tot Ion	Ratio	Lower	Upper
88	100		
43	37.0	28.6	42.8
58	76.9	61.7	92.5

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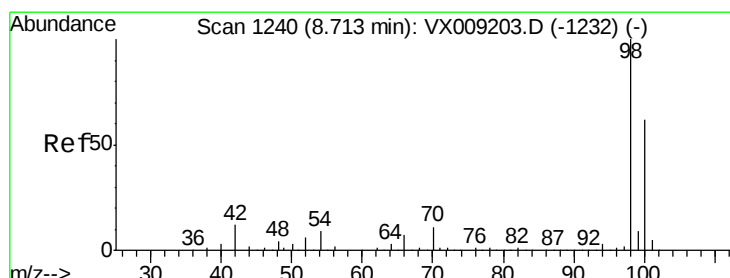
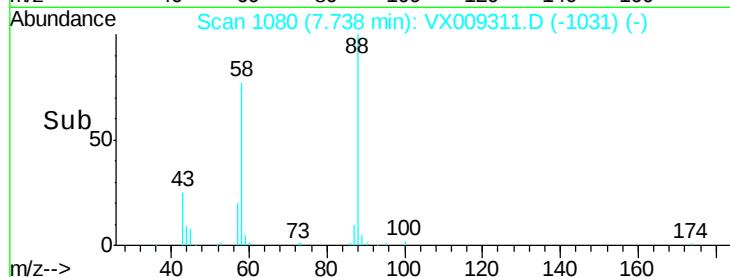
Abundance

Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

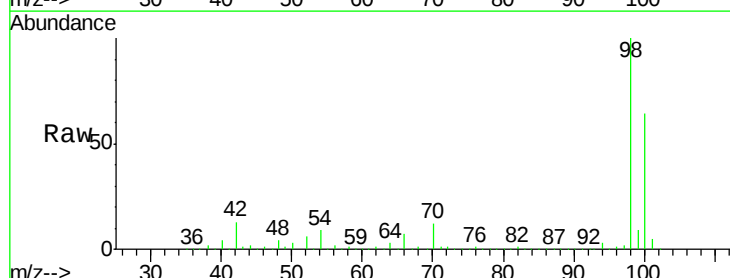
Ion 58.00 (57.70 to 58.70): VX0

Time-->



#50
Toluene-d8
Concen: 48.934 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.2	76.8

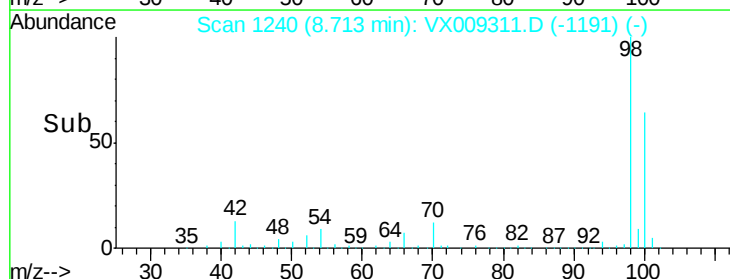


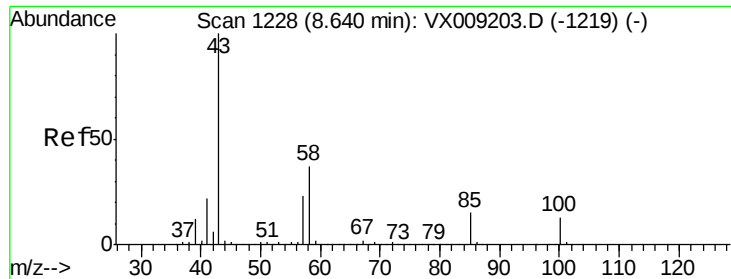
Abundance

Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

Time-->





#51

4-Methyl-2-Pentanone

Concen: 99.333 ug/l

RT: 8.64 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBS02

Tot Ion: 43 Resp: 382359

Ion Ratio Lower Upper

43 100

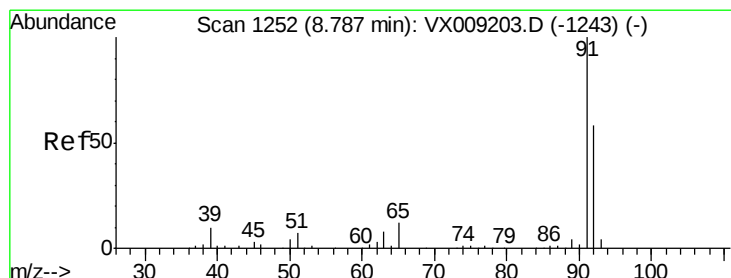
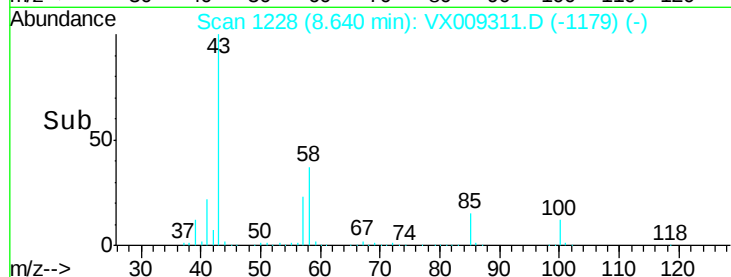
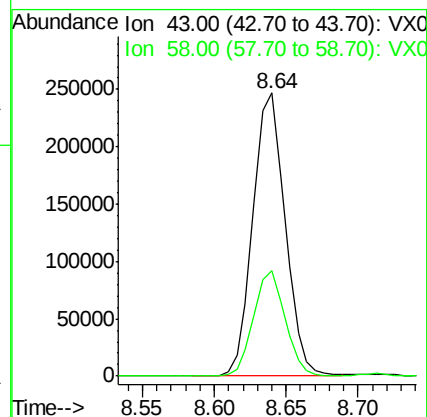
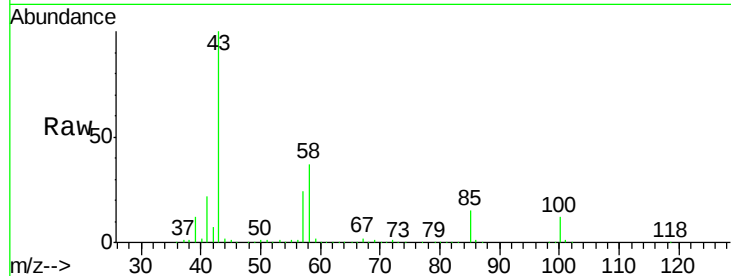
58 36.7 29.5 44.3

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#52

Toluene

Concen: 19.726 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. -0.01 min

Lab File: VX009311.D

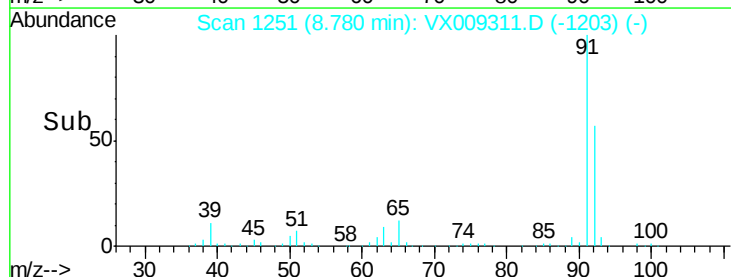
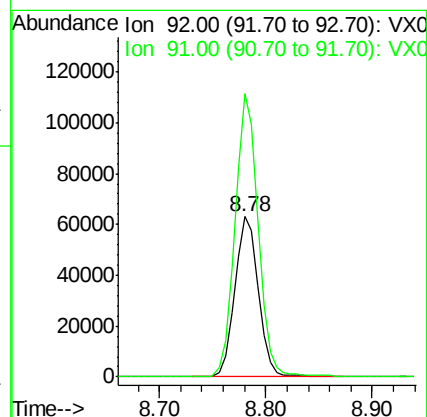
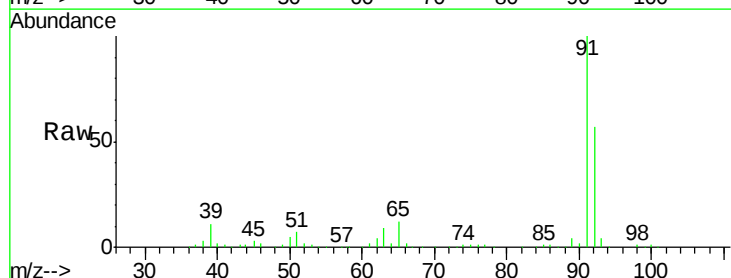
Acq: 03 May 2019 15:54

Tgt Ion: 92 Resp: 98062

Ion Ratio Lower Upper

92 100

91 173.8 138.8 208.2





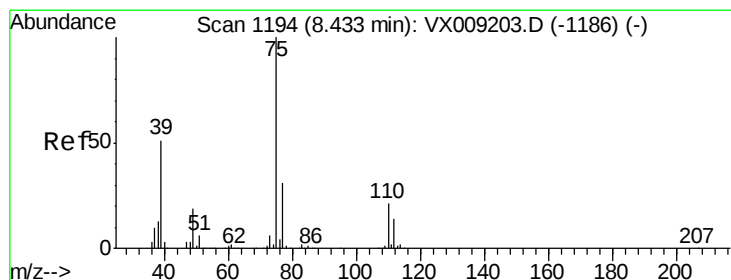
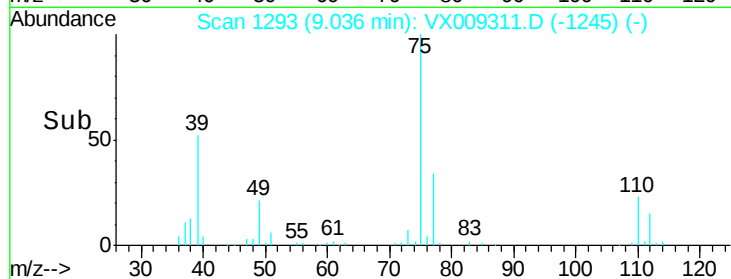
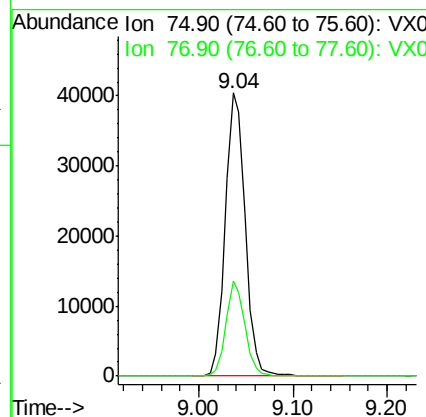
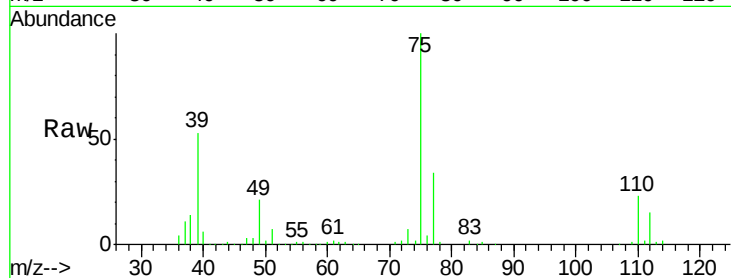
#53
 t-1,3-Dichloropropene
 Concen: 19.519 ug/l
 RT: 9.04 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: VX009311.D
 Acq: 03 May 2019 15:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBS02

Tot Ion: 75 Resp: 59111
 Ion Ratio Lower Upper
 75 100
 77 33.6 25.0 37.6

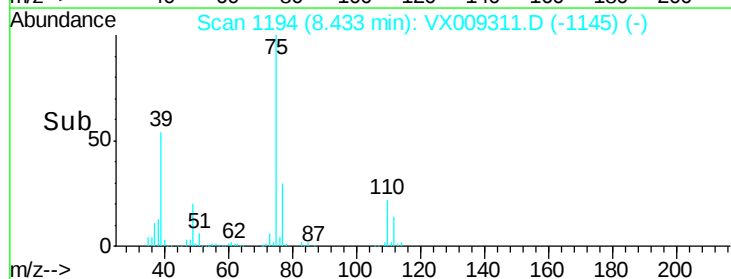
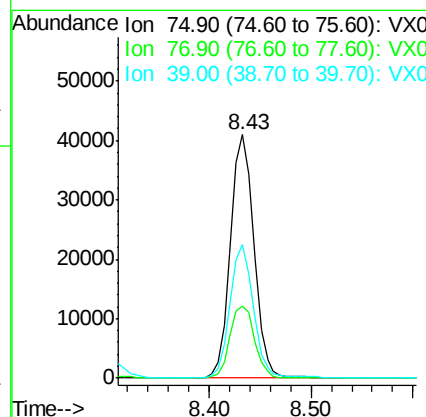
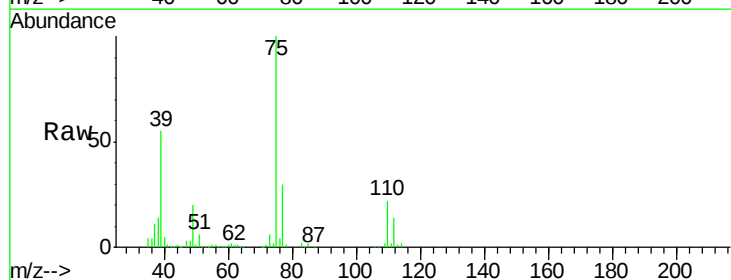
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#54
 cis-1,3-Dichloropropene
 Concen: 19.581 ug/l
 RT: 8.43 min Scan# 1194
 Delta R.T. -0.00 min
 Lab File: VX009311.D
 Acq: 03 May 2019 15:54

Tgt Ion: 75 Resp: 65635
 Ion Ratio Lower Upper
 75 100
 77 29.8 24.6 36.8
 39 54.4 40.6 60.8





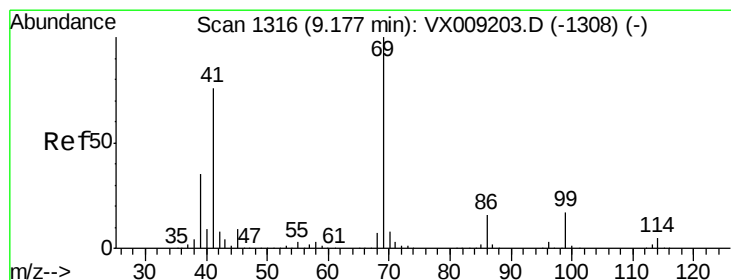
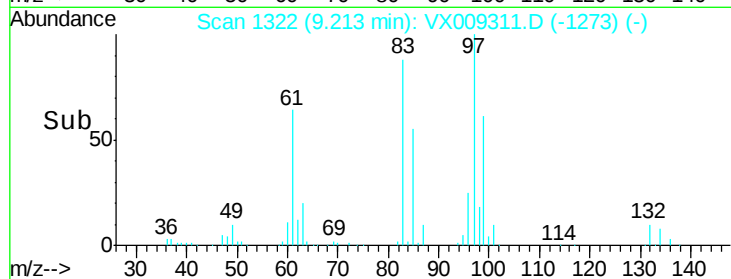
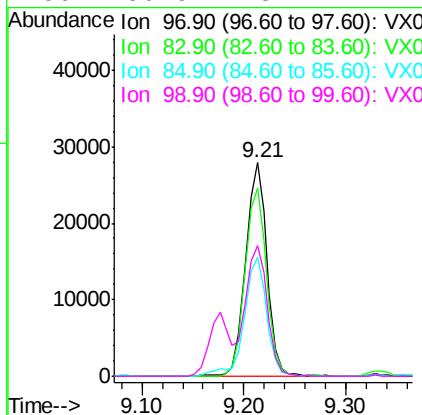
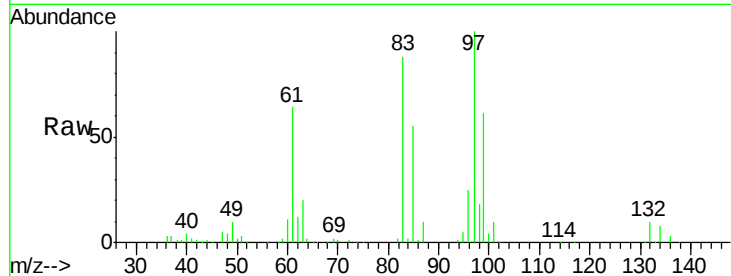
#55
 1,1,2-Trichloroethane
 Concen: 20.006 ug/l
 RT: 9.21 min Scan# 1322
 Delta R.T. -0.00 min
 Lab File: VX009311.D
 Acq: 03 May 2019 15:54

Instrument :
 MSVOA_X
 ClientSampled :
 VX0503WBS02

Tot Ion:	97	Resp:	40575
Ion	Ratio	Lower	Upper
97	100		
83	87.9	68.9	103.3
85	55.3	43.8	65.6
99	60.9	48.2	72.2

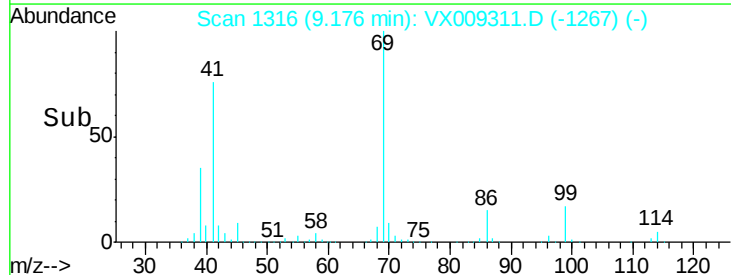
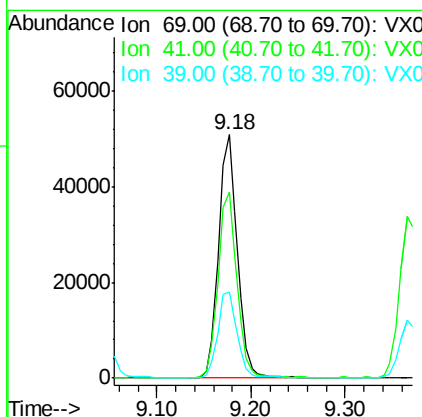
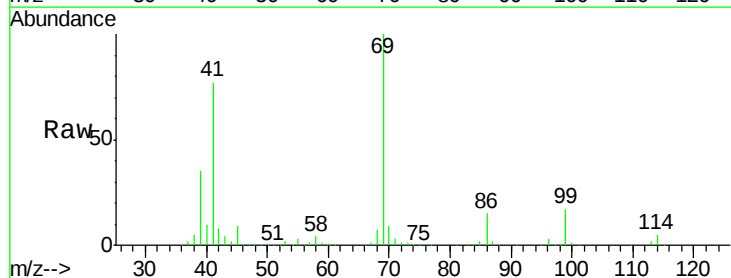
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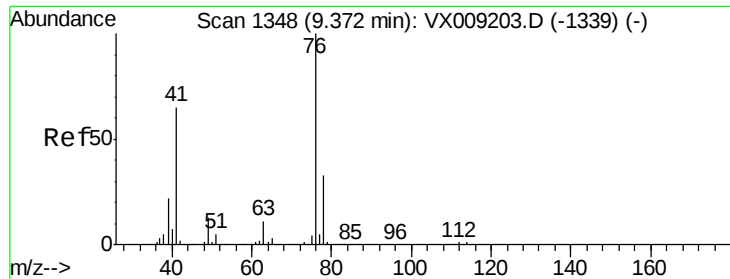
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#56
 Ethyl methacrylate
 Concen: 19.573 ug/l
 RT: 9.18 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VX009311.D
 Acq: 03 May 2019 15:54

Tgt Ion:	69	Resp:	70858
Ion	Ratio	Lower	Upper
69	100		
41	76.4	60.6	90.8
39	36.4	28.2	42.4





#57

1,3-Dichloropropane

Concen: 19.876 ug/l

RT: 9.37 min Scan# 1347

Delta R.T. -0.01 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBS02

Tot Ion: 76 Resp: 70936

Ion Ratio Lower Upper

76 100

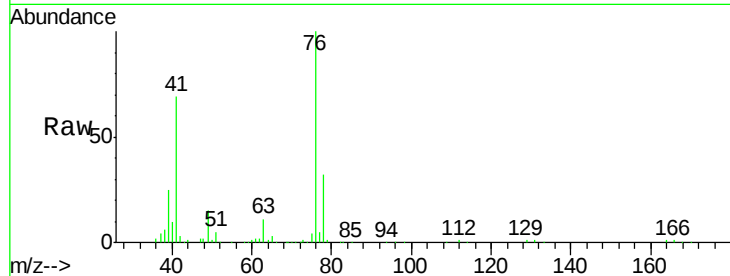
78 32.3 25.5 38.3

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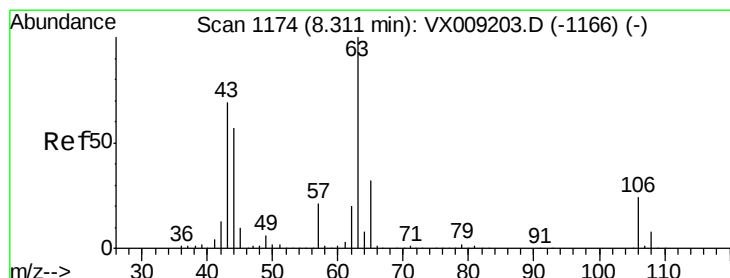
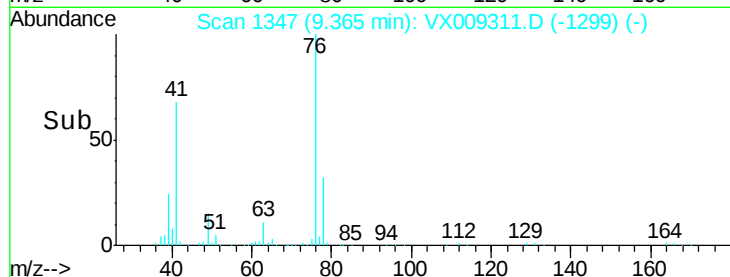
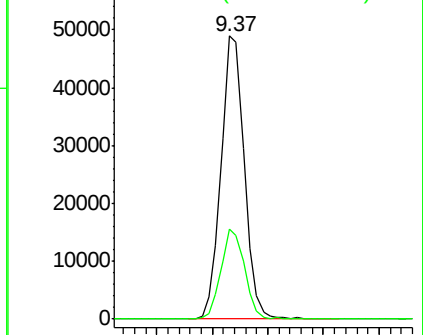
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 98.210 ug/l

RT: 8.30 min Scan# 1173

Delta R.T. -0.01 min

Lab File: VX009311.D

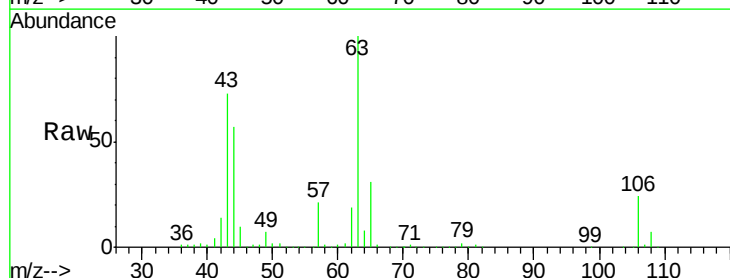
Acq: 03 May 2019 15:54

Tgt Ion: 63 Resp: 188616

Ion Ratio Lower Upper

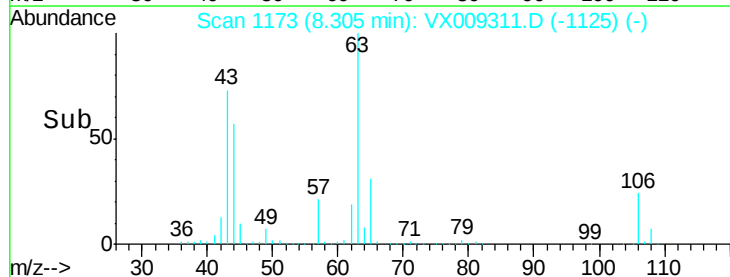
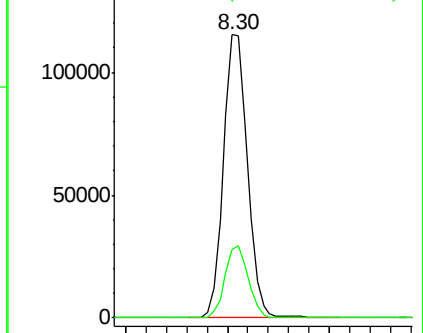
63 100

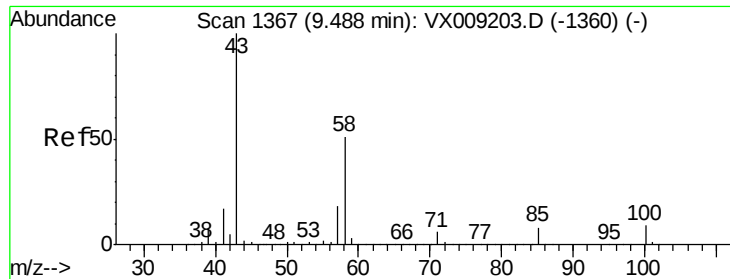
106 24.4 19.7 29.5



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V





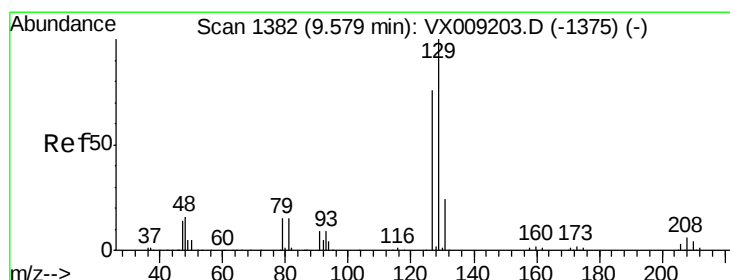
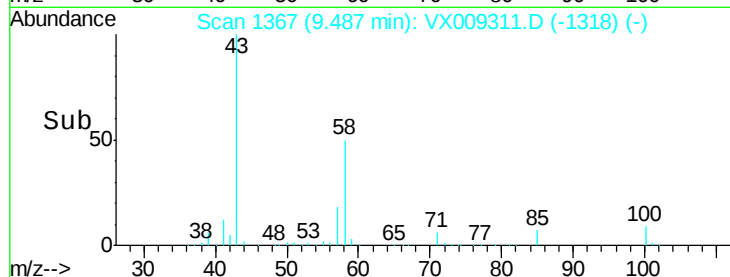
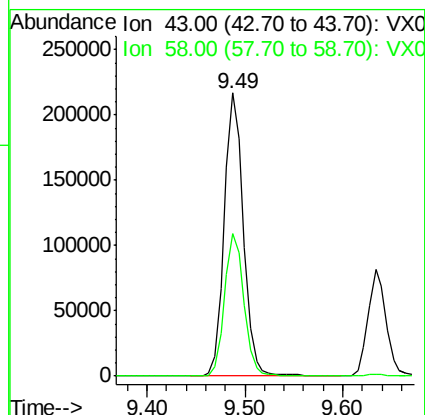
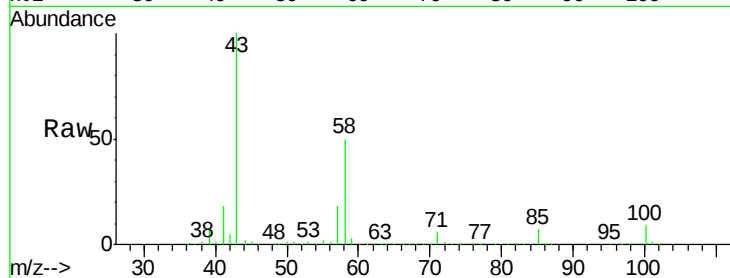
#59
2-Hexanone
Concen: 97.532 ug/l
RT: 9.49 min Scan# 1367
Delta R.T. -0.00 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS02

Tot Ion	Ratio	Lower	Upper
43	100		
58	50.9	25.9	77.7

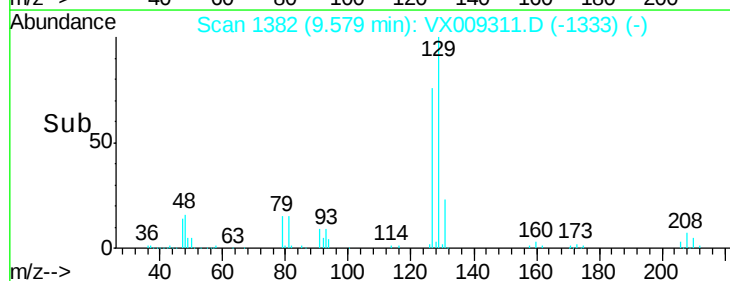
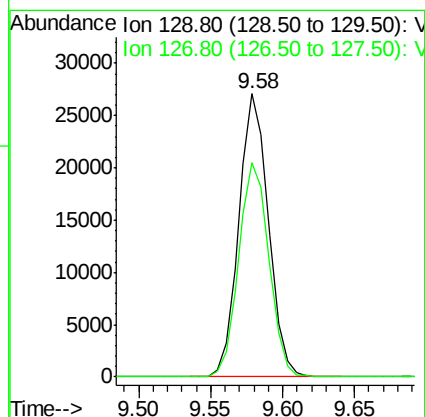
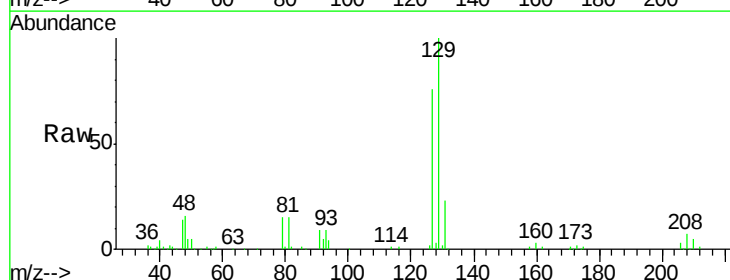
Manual Integrations
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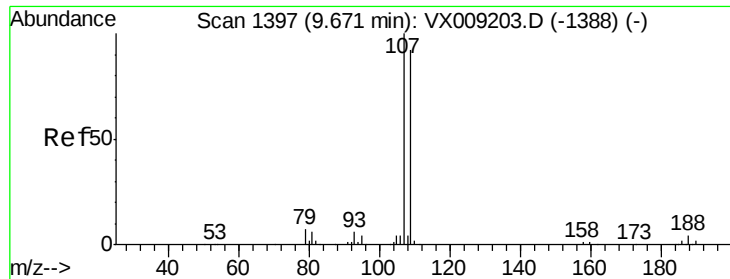
MMDadoda
5/6/2019 9:24:50 AM



#60
Dibromochloromethane
Concen: 19.559 ug/l
RT: 9.58 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.4	115.1





#61

1,2-Dibromoethane

Concen: 19.640 ug/l

RT: 9.67 min Scan# 1397

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBS02

Tot Ion:107 Resp: 40207

Ion Ratio Lower Upper

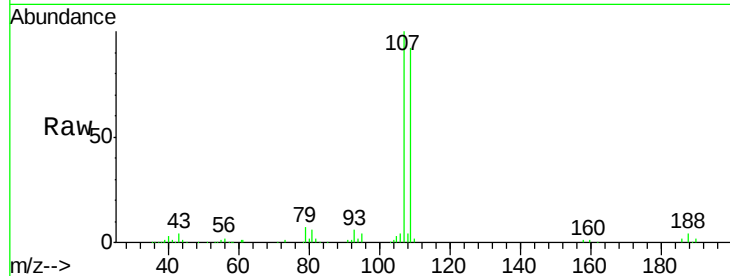
107 100

109 93.3 75.2 112.8

Manual Integrations
APPROVED

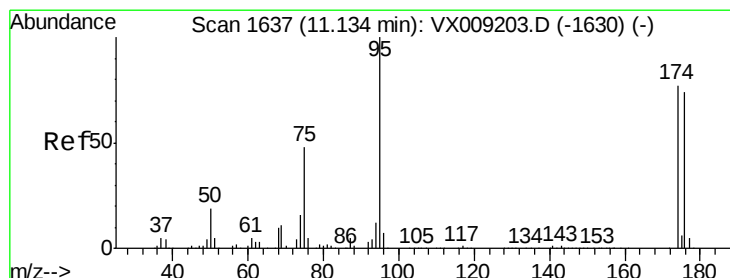
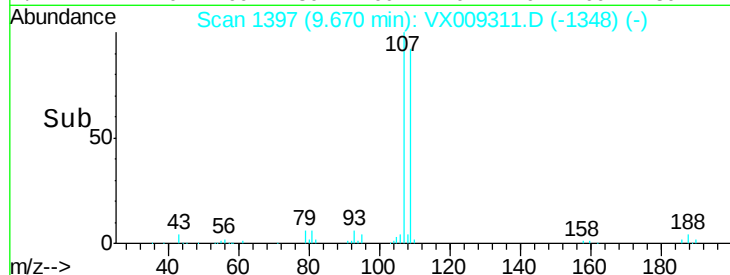
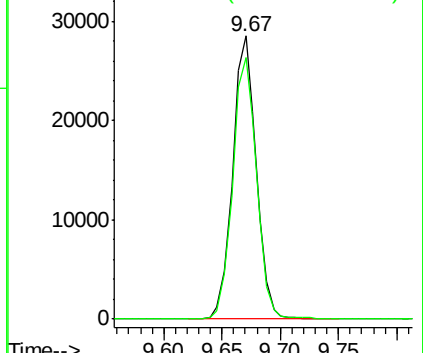
MMDadoda

5/6/2019 9:24:50 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.730 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

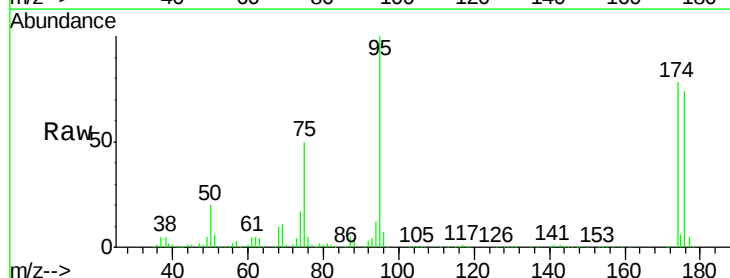
Tgt Ion: 95 Resp: 127782

Ion Ratio Lower Upper

95 100

174 81.7 0.0 161.6

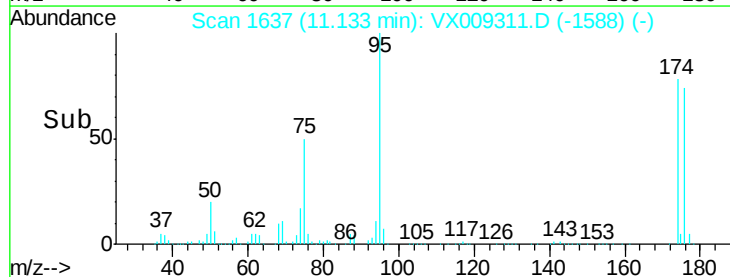
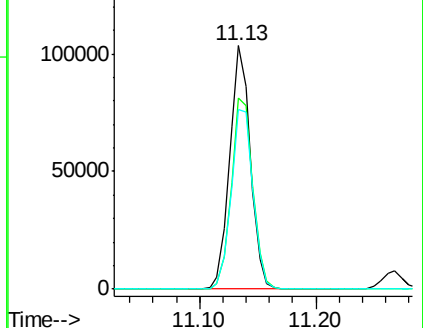
176 78.8 0.0 159.2

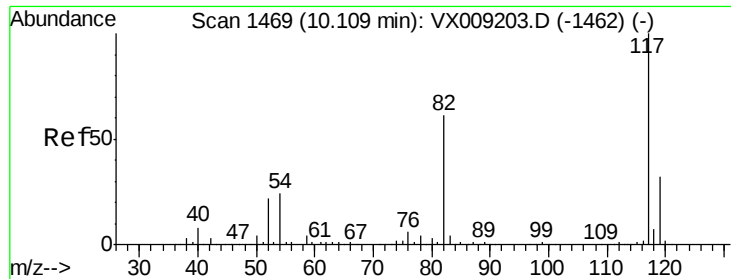


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





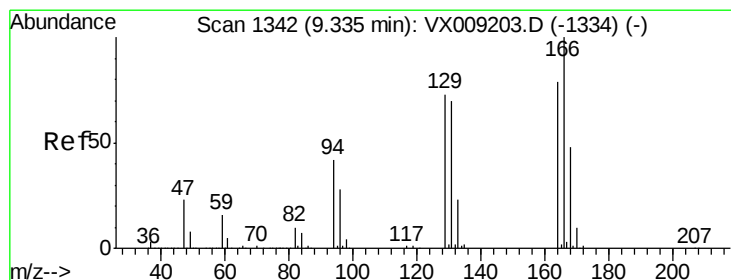
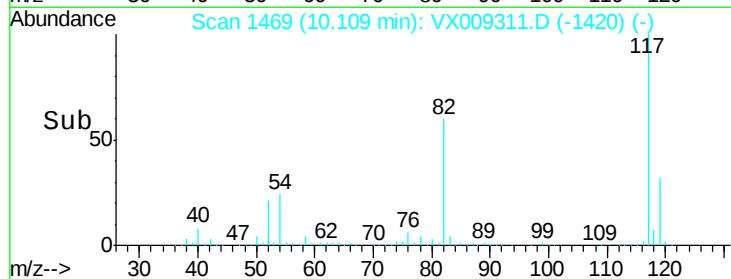
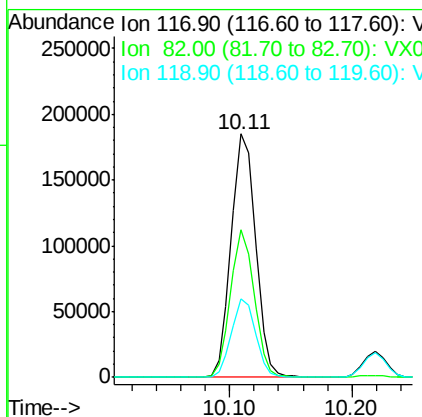
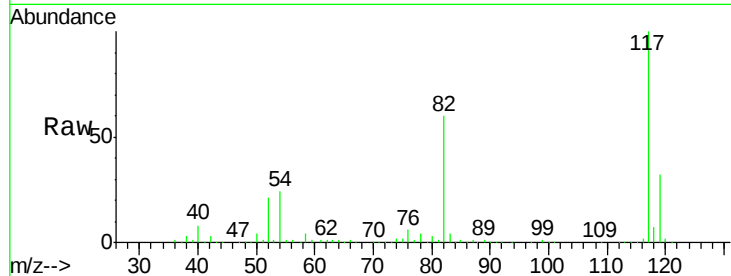
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS02

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.5	48.8	73.2
119	32.3	25.8	38.6

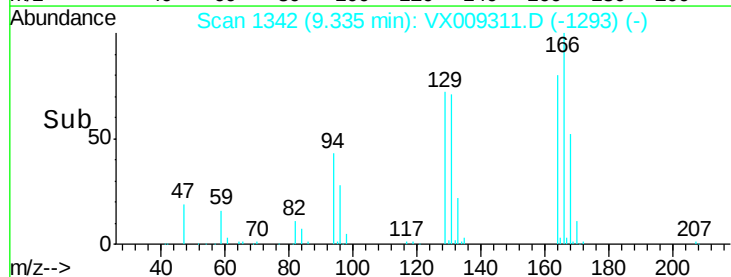
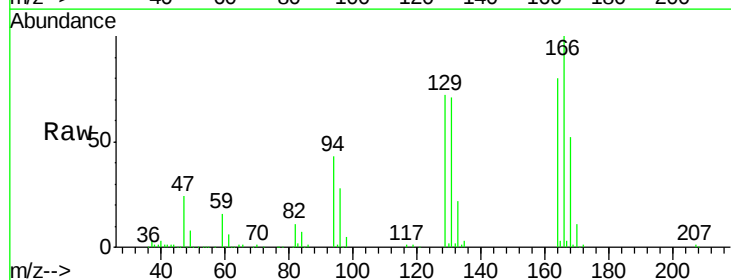
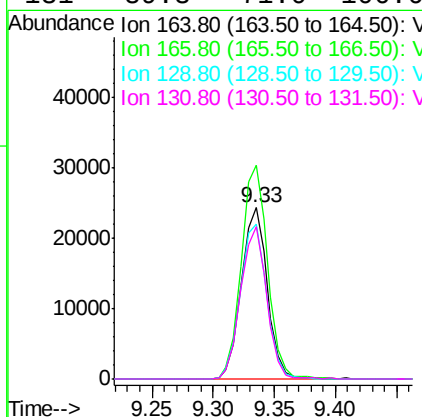
Manual Integrations
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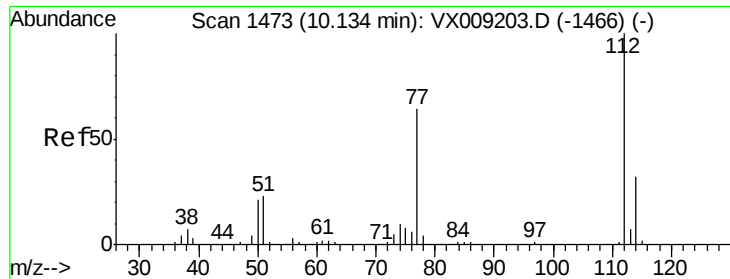
MMDadoda
5/6/2019 9:24:50 AM



#64
Tetrachloroethene
Concen: 20.281 ug/l
RT: 9.33 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	101.2	151.8
129	90.6	74.3	111.5
131	89.3	71.0	106.6





#65

Chlorobenzene

Concen: 19.799 ug/l

RT: 10.13 min Scan# 1473

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBS02

Tot Ion:112 Resp: 101531

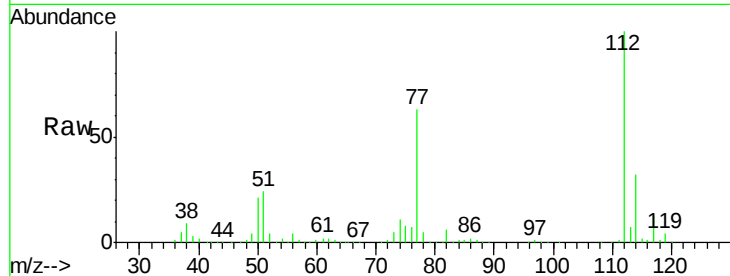
Ion Ratio Lower Upper

112 100

114 31.7 25.5 38.3

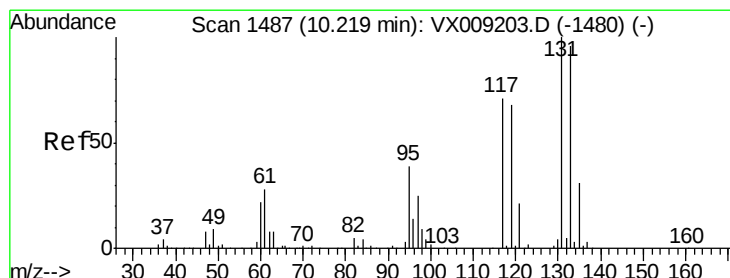
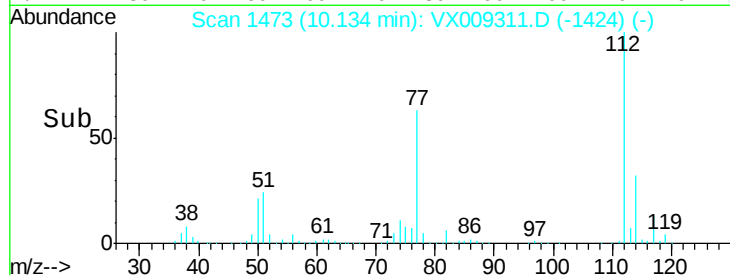
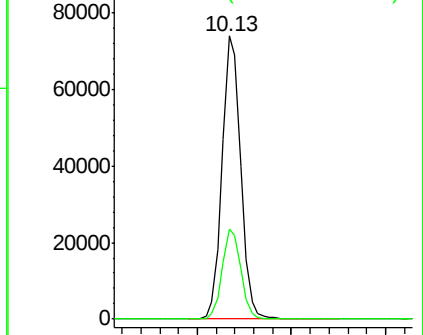
Manual Integrations
APPROVED

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5/6/2019 9:24:50 AM



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 19.740 ug/l

RT: 10.22 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

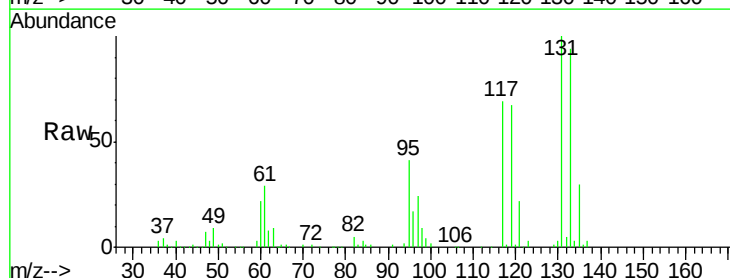
Tgt Ion:131 Resp: 36701

Ion Ratio Lower Upper

131 100

133 95.1 47.7 143.1

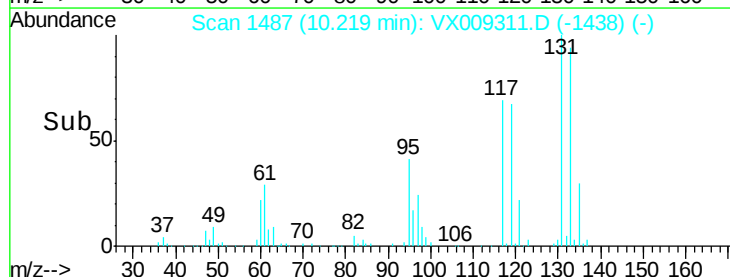
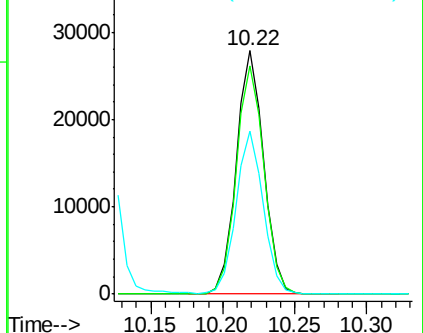
119 67.0 33.5 100.4

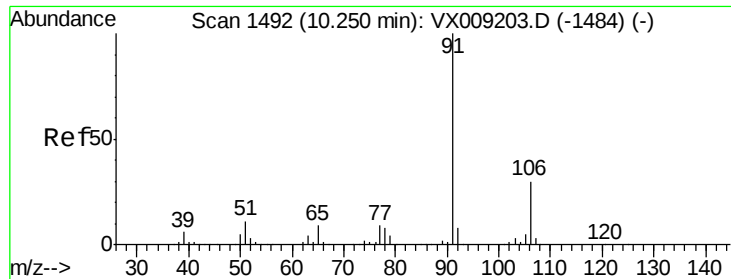


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





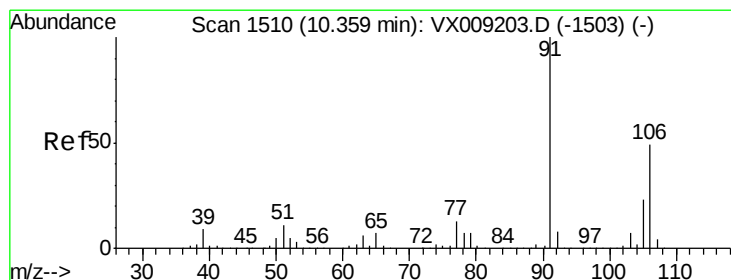
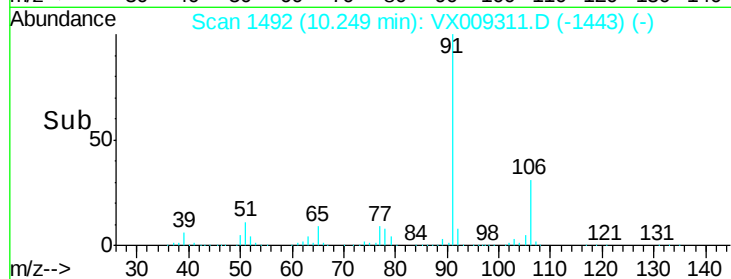
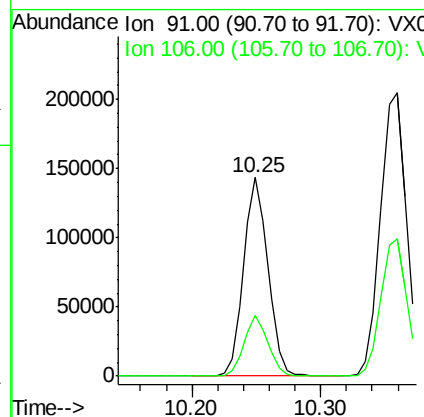
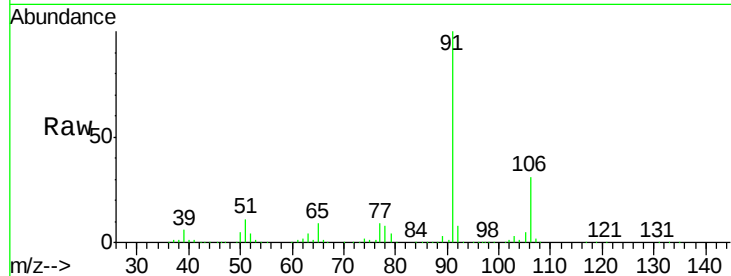
#67
Ethyl Benzene
Concen: 19.903 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS02

Tot Ion: 91 Resp: 187839
Ion Ratio Lower Upper
91 100
106 30.5 24.0 36.0

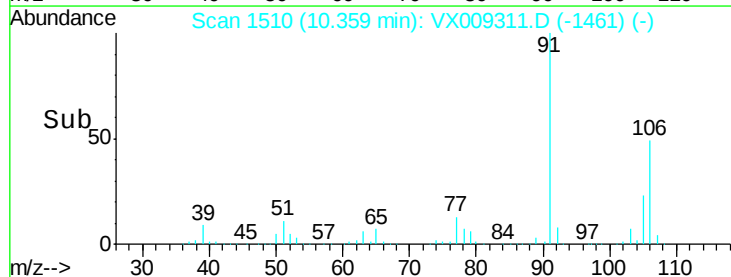
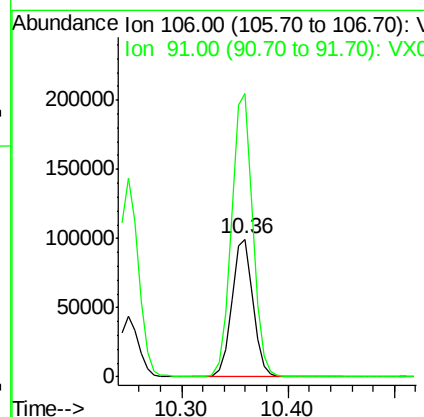
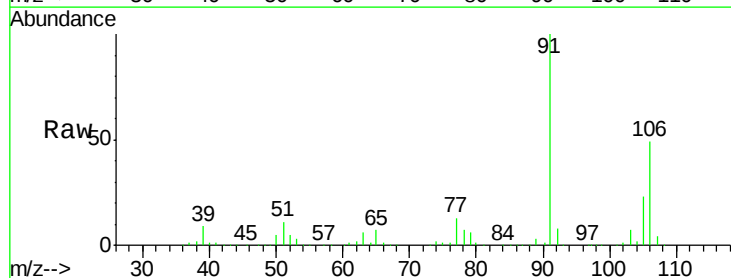
Manual Integrations
APPROVED

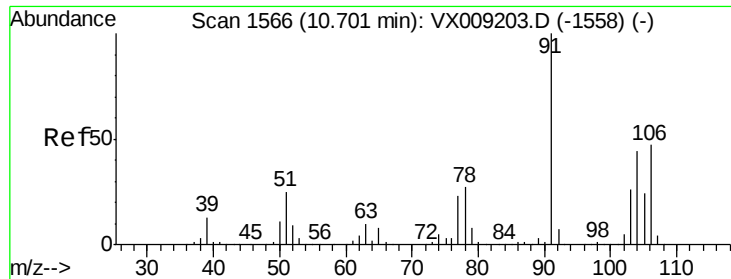
MMDadoda
5/6/2019 9:24:50 AM



#68
m/p-Xylenes
Concen: 40.148 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Tgt Ion: 106 Resp: 138464
Ion Ratio Lower Upper
106 100
91 206.5 164.0 246.0





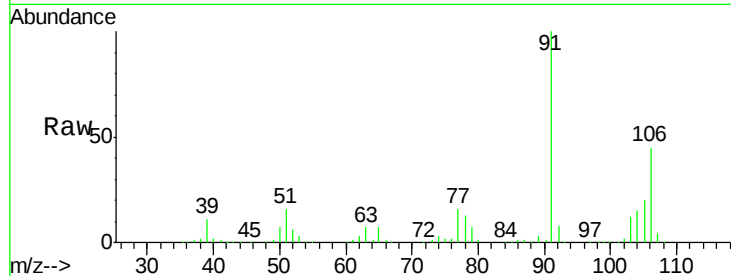
#69
o-Xylene
Concen: 19.741 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Instrument :
MSVOA_X
ClientSampled :
VX0503WBS02

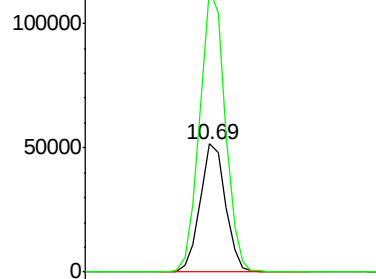
Tot Ion:106 Resp: 67175
Ion Ratio Lower Upper
106 100
91 220.7 109.5 328.4

Manual Integrations
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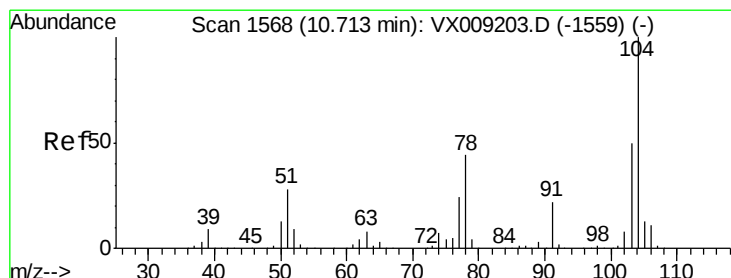
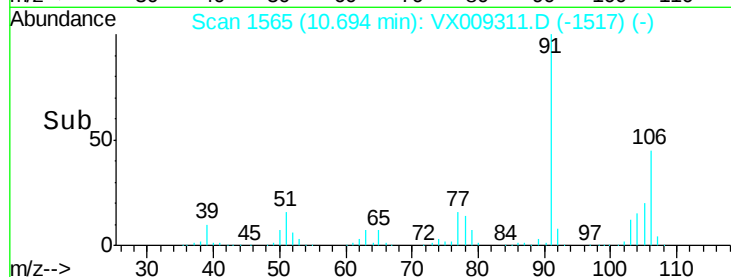
MMDadoda
5/6/2019 9:24:50 AM



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

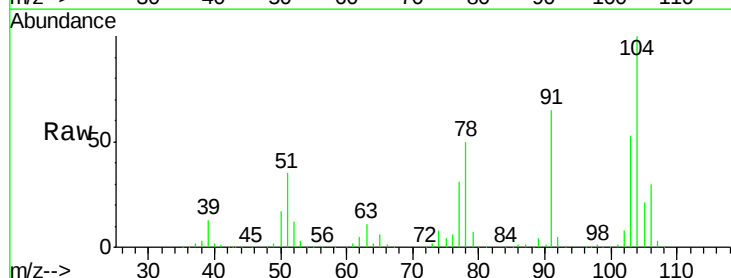


Time-->

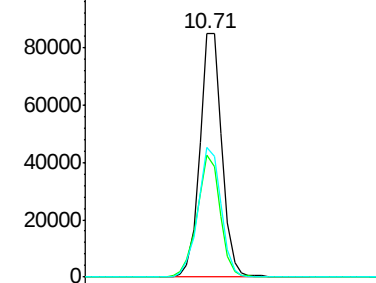


#70
Styrene
Concen: 19.584 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

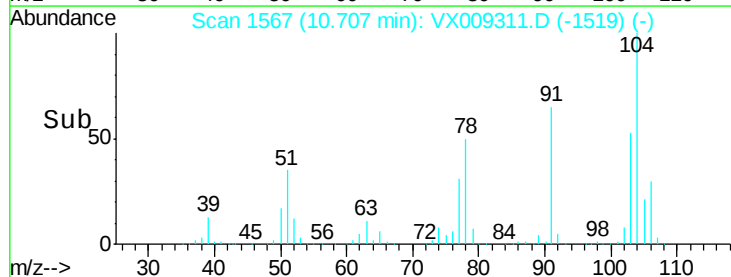
Tgt Ion:104 Resp: 115827
Ion Ratio Lower Upper
104 100
78 52.5 41.0 61.4
103 56.0 43.8 65.6

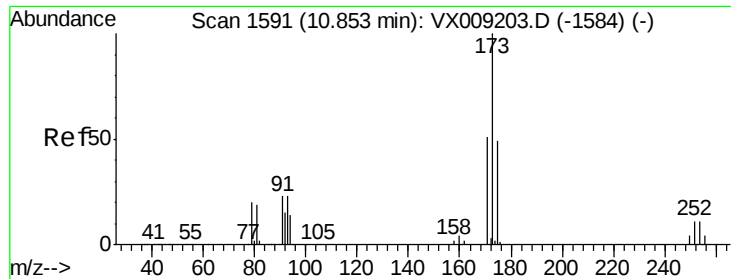


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V



Time-->





#71

Bromoform

Concen: 18.896 ug/l

RT: 10.85 min Scan# 1591

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBS02

Tot Ion:173 Resp: 28550

Ion Ratio Lower Upper

173 100

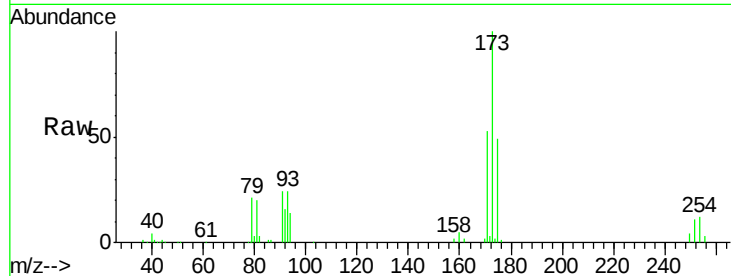
175 48.3 24.5 73.5

254 0.0 0.1 0.1#

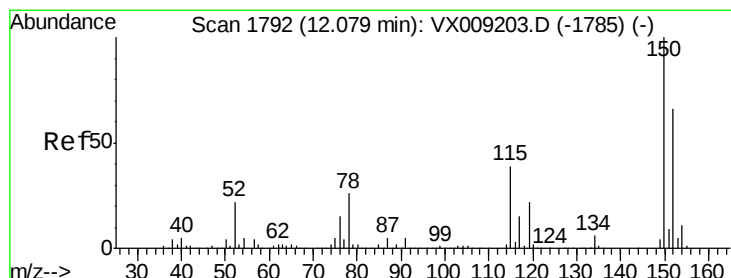
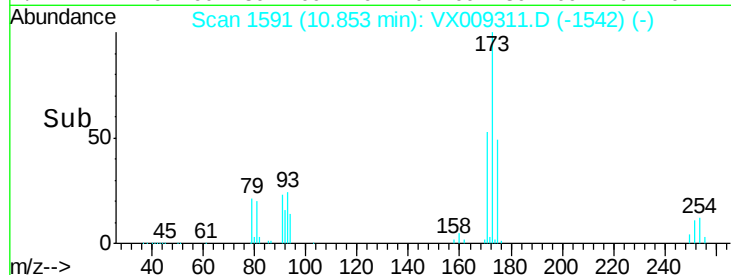
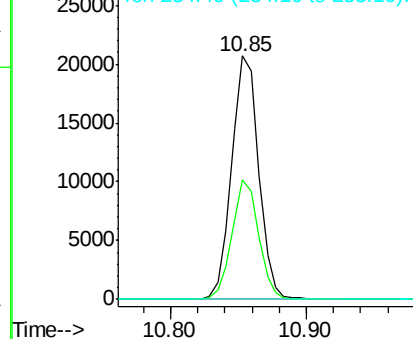
Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

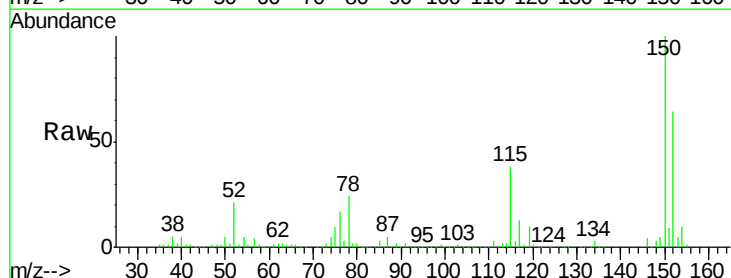
Tgt Ion:152 Resp: 124921

Ion Ratio Lower Upper

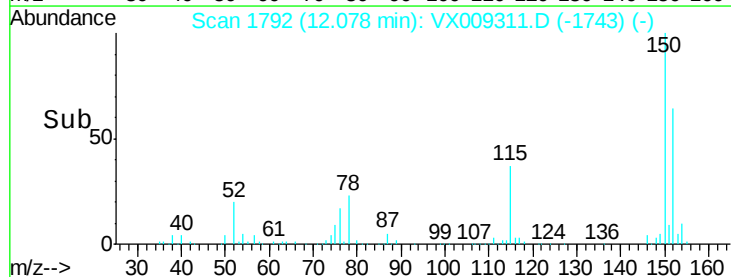
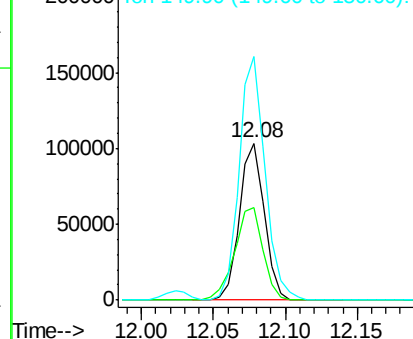
152 100

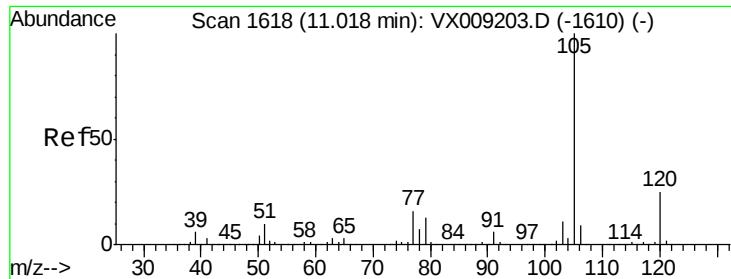
115 68.0 41.2 123.6

150 161.8 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: 20.260 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBS02

Tot Ion:105 Resp: 184042

Ion Ratio Lower Upper

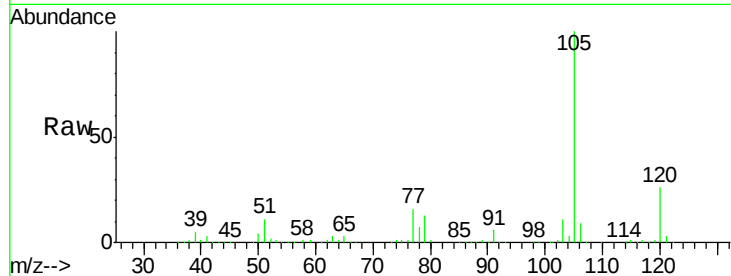
105 100

120 25.5 12.8 38.3

Manual Integrations
APPROVED

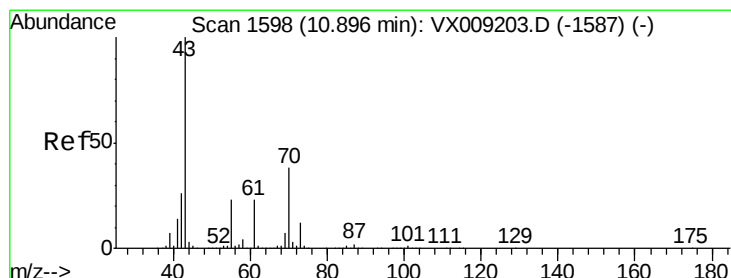
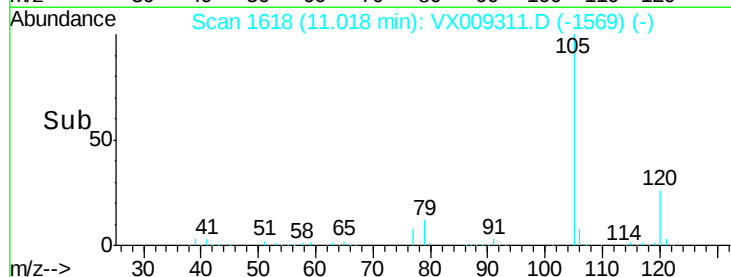
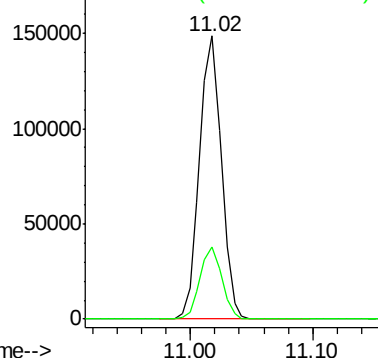
MMDadoda

5/6/2019 9:24:50 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 19.430 ug/l

RT: 10.90 min Scan# 1598

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Tgt Ion: 43 Resp: 102904

Ion Ratio Lower Upper

43 100

70 37.2 30.0 45.0

55 23.3 17.9 26.9

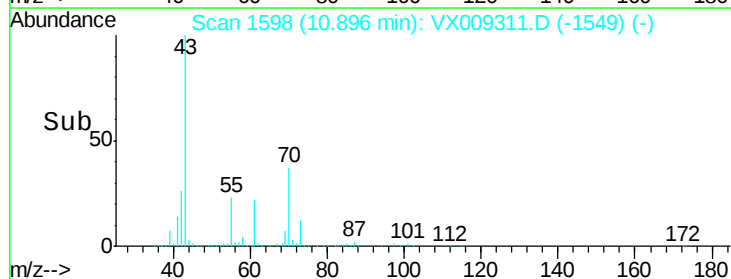
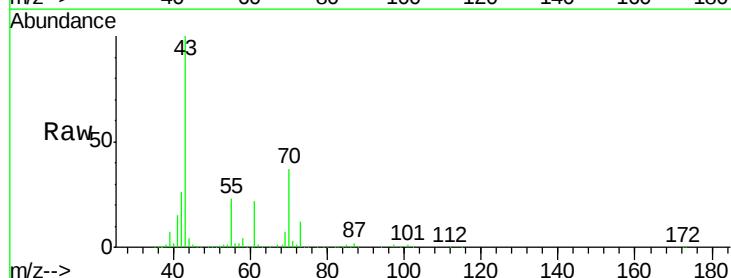
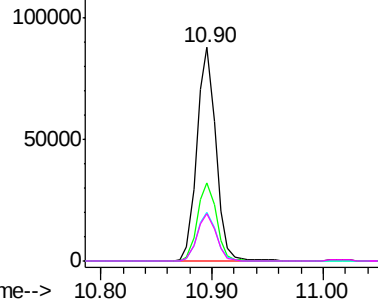
61 22.5 18.4 27.6

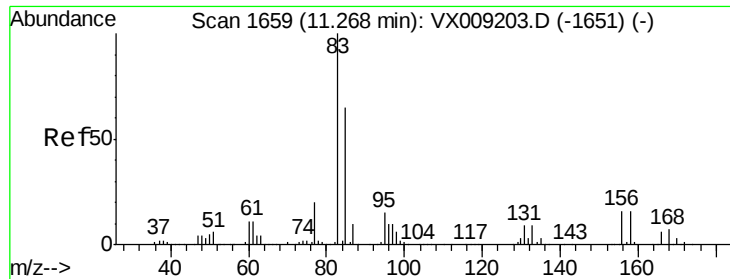
Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 19.331 ug/l

RT: 11.27 min Scan# 1659

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Instrument :

MSVOA_X

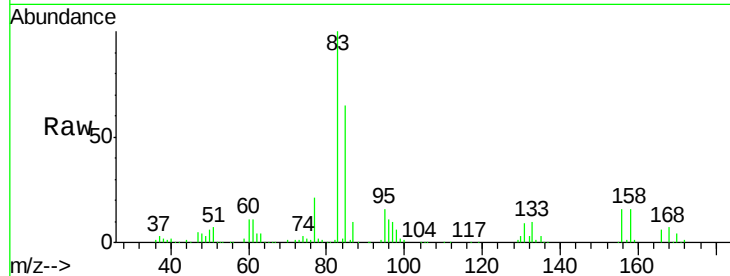
ClientSampled :

VX0503WBS02

Tot Ion:	83	Resp:	65463
Ion Ratio	Lower	Upper	
83	100		
131	9.4	4.6	13.8
85	64.3	32.0	96.2

Manual Integrations
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5/6/2019 9:24:50 AM

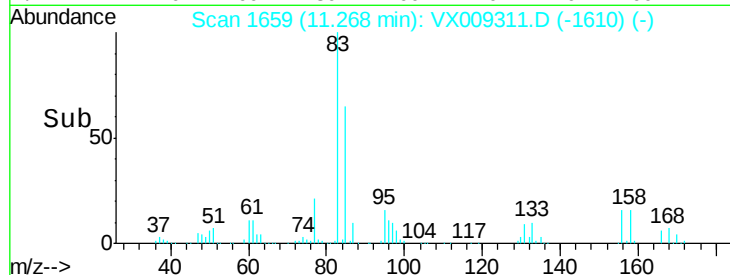


Abundance Ion 82.90 (82.60 to 83.60): VX0

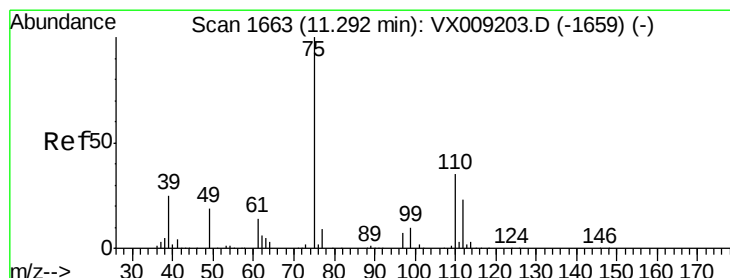
Ion 130.80 (130.50 to 131.50): VX0

Ion 84.90 (84.60 to 85.60): VX0

Time-->



Time-->



#76

1,2,3-Trichloropropane

Concen: 19.740 ug/l m

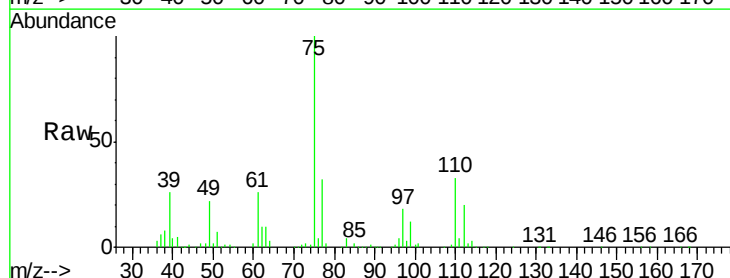
RT: 11.29 min Scan# 1663

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

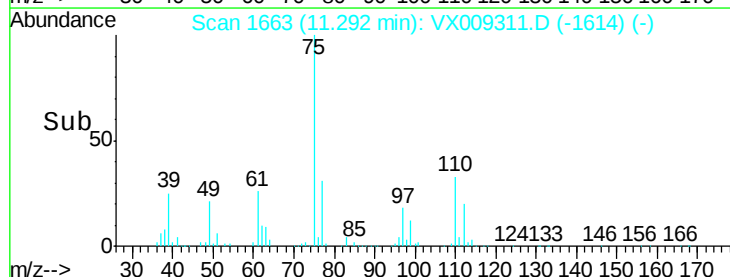
Tgt Ion:	75	Resp:	57200
Ion Ratio	Lower	Upper	
75	100		
77	42.8	22.1	66.1



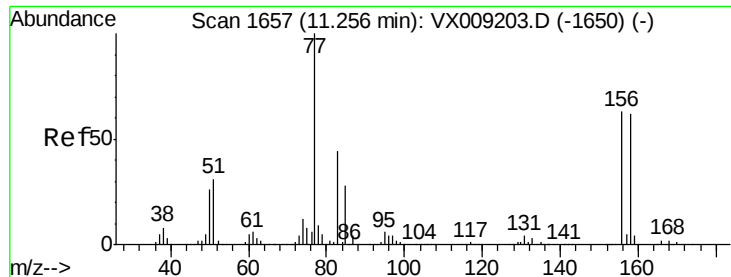
Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

Time-->



Time-->



#77

Bromobenzene

Concen: 19.481 ug/l

RT: 11.26 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Instrument :

MSVOA_X

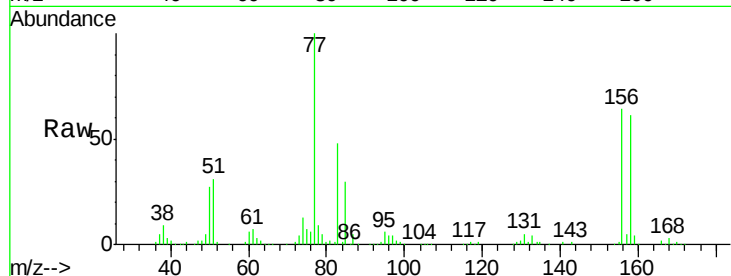
ClientSampleId :

VX0503WBS02

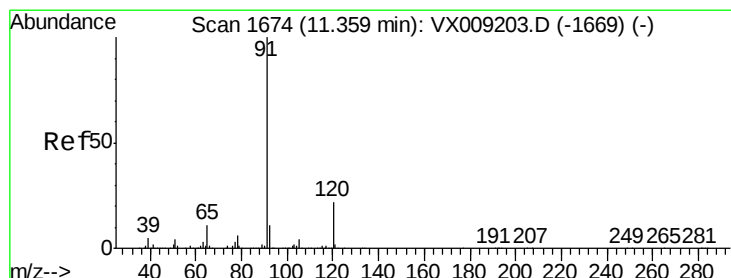
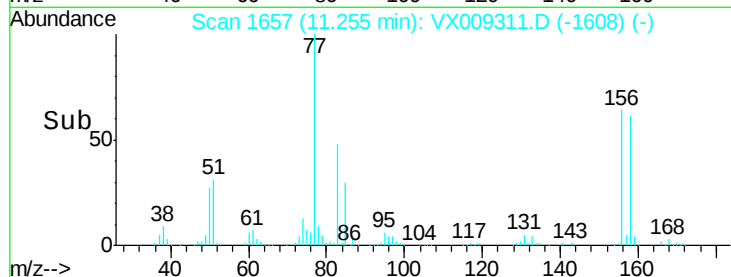
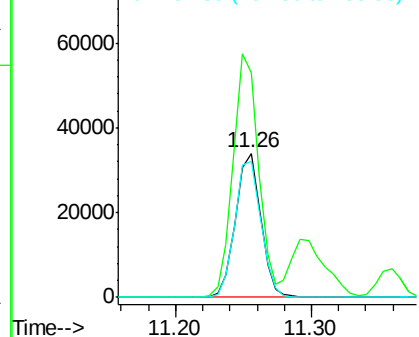
Tot Ion:	156	Resp:	43925
Ion Ratio	Lower	Upper	
156	100		
77	170.1	84.8	254.3
158	98.2	49.1	147.3

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Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VX0
Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.446 ug/l

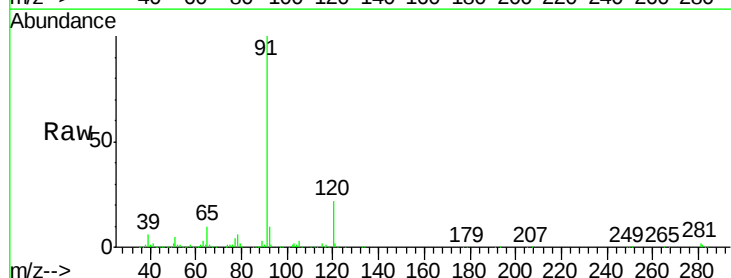
RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

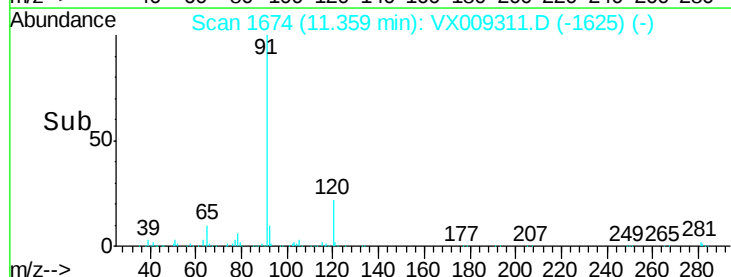
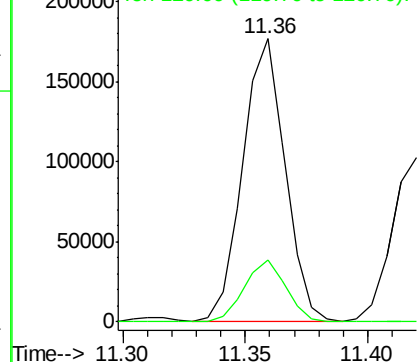
Lab File: VX009311.D

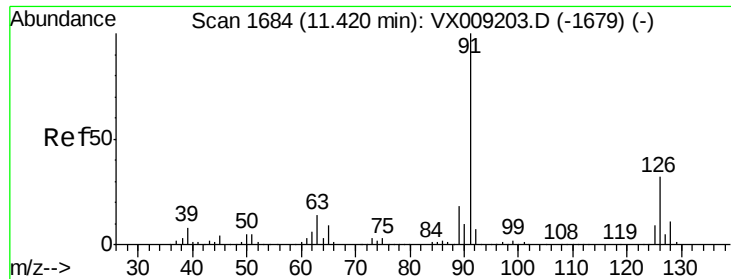
Acq: 03 May 2019 15:54

Tgt Ion:	91	Resp:	212118
Ion Ratio	Lower	Upper	
91	100		
120	21.6	11.0	33.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 19.532 ug/l

RT: 11.42 min Scan# 1684

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBS02

Tot Ion: 91 Resp: 125016

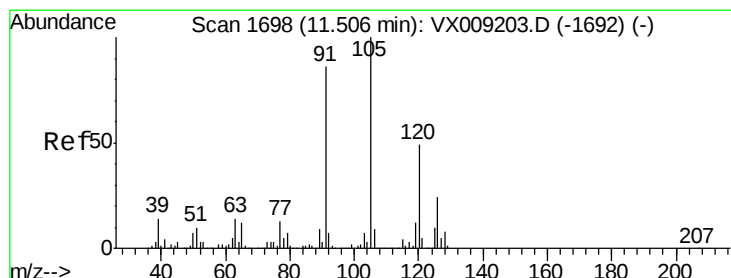
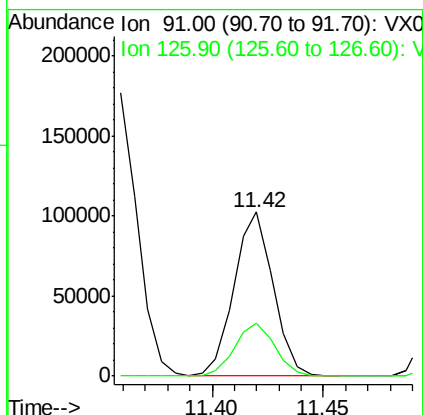
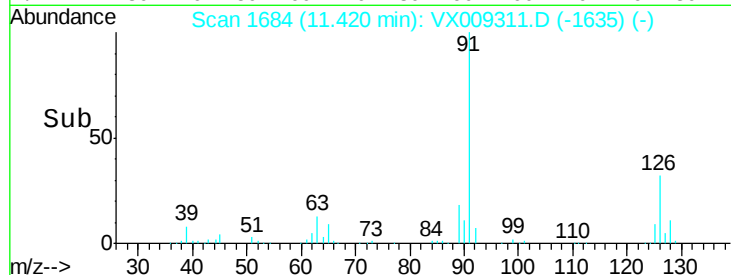
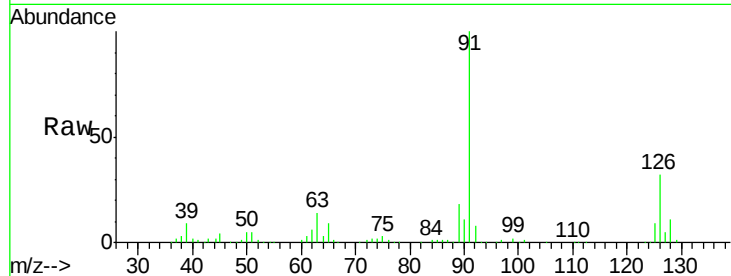
Ion Ratio Lower Upper

91 100

126 32.8 16.3 48.9

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#80

1,3,5-Trimethylbenzene

Concen: 20.086 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX009311.D

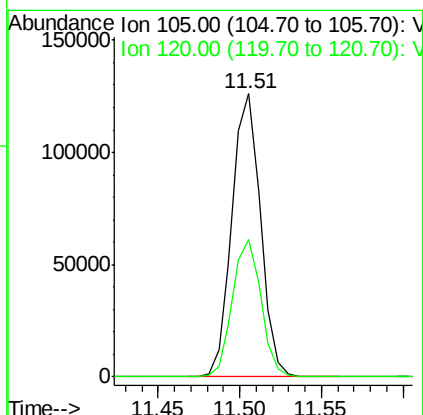
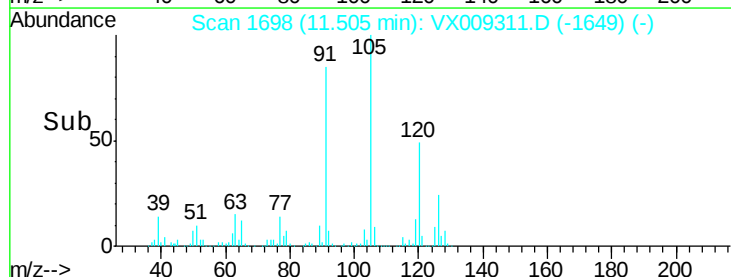
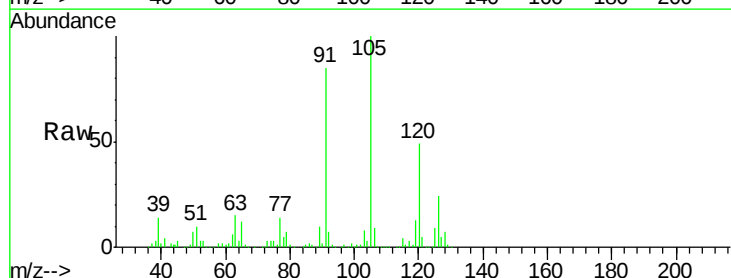
Acq: 03 May 2019 15:54

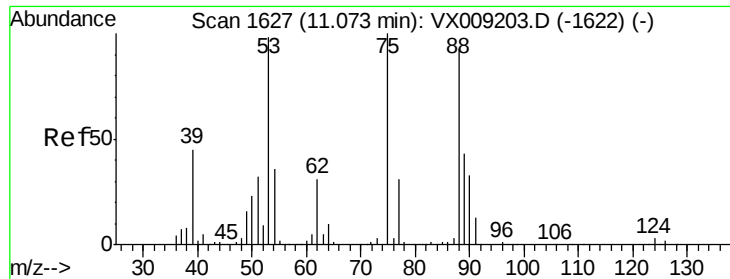
Tgt Ion: 105 Resp: 153632

Ion Ratio Lower Upper

105 100

120 48.6 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 18.047 ug/l

RT: 11.07 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBS02

Tot Ion: 75 Resp: 20439

Ion Ratio Lower Upper

75 100

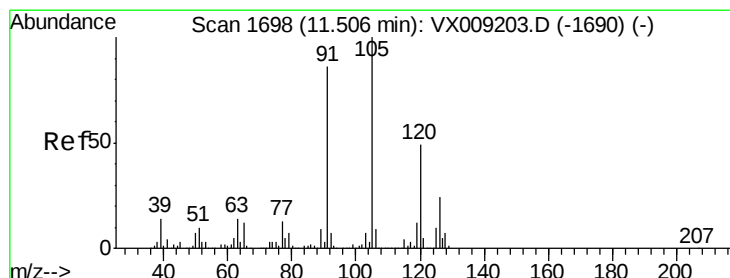
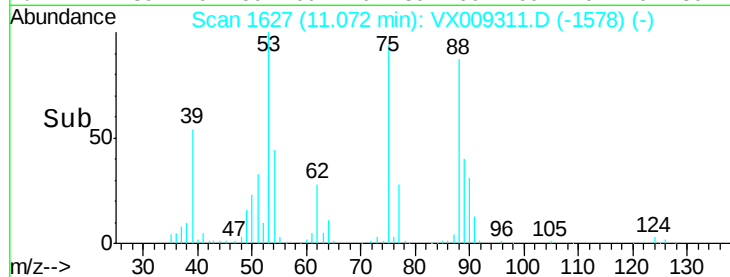
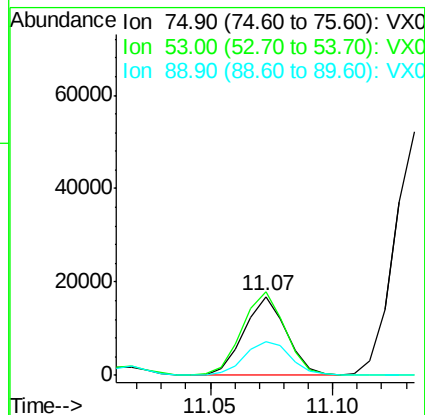
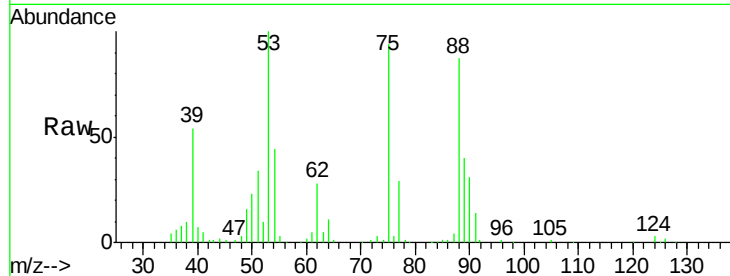
53 107.3 79.0 118.6

89 46.9 34.7 52.1

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#82

4-Chlorotoluene

Concen: 19.964 ug/l

RT: 11.51 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VX009311.D

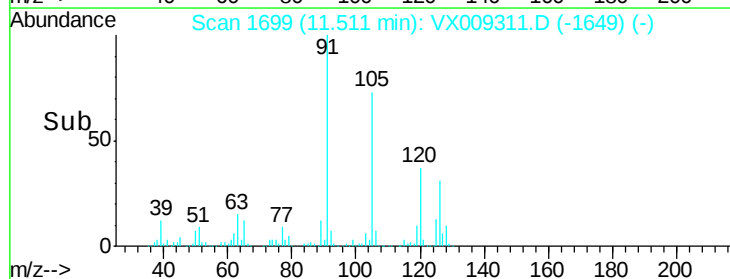
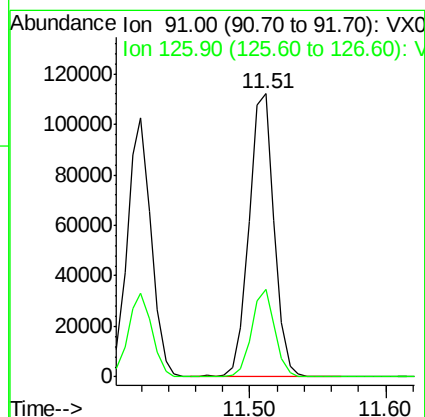
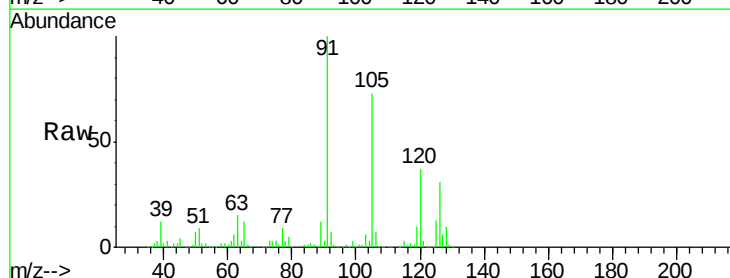
Acq: 03 May 2019 15:54

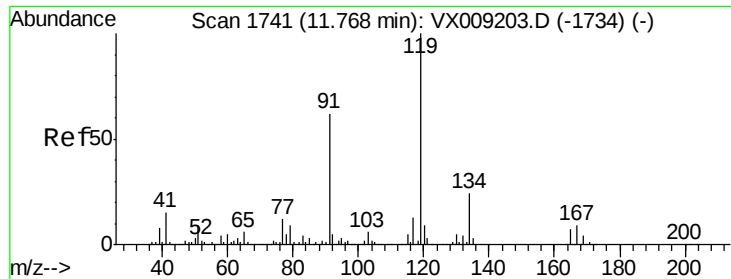
Tgt Ion: 91 Resp: 144357

Ion Ratio Lower Upper

91 100

126 29.0 14.5 43.6





#83

tert-Butylbenzene

Concen: 19.866 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Instrument :

MSVOA_X

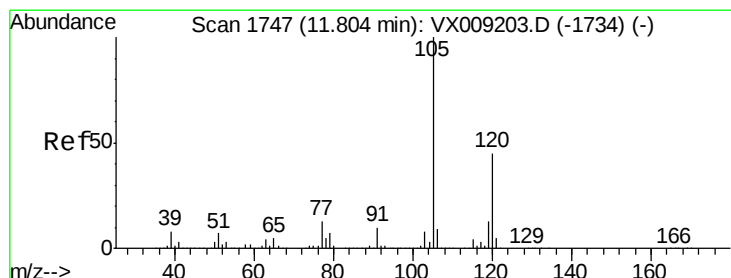
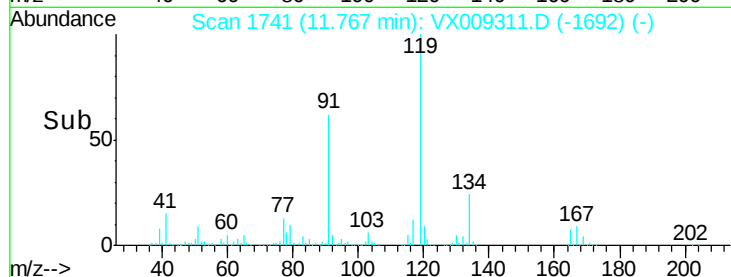
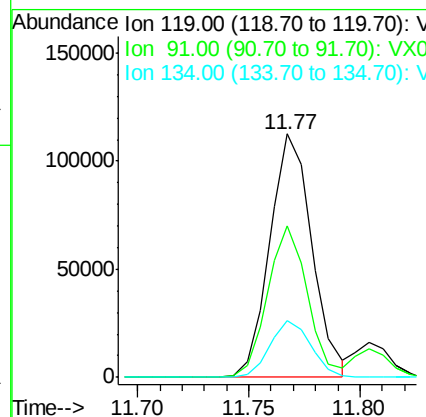
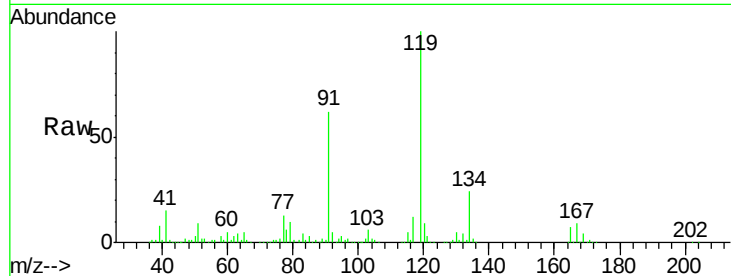
ClientSampled :

VX0503WBS02

Tot Ion:	119	Resp:	147817
Ion Ratio	Lower	Upper	
119	100		
91	59.2	29.5	88.5
134	22.7	11.4	34.1

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 20.139 ug/l

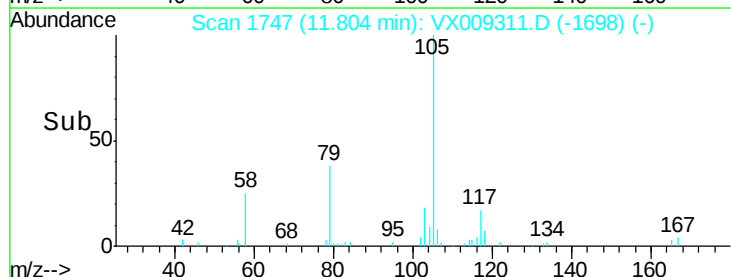
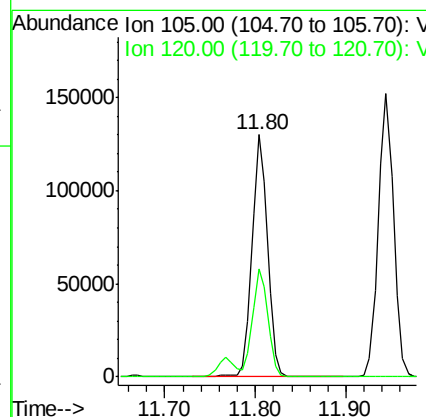
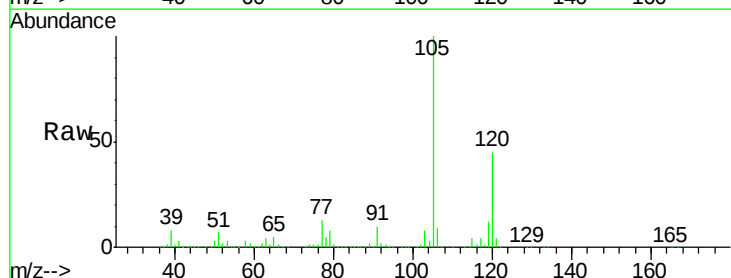
RT: 11.80 min Scan# 1747

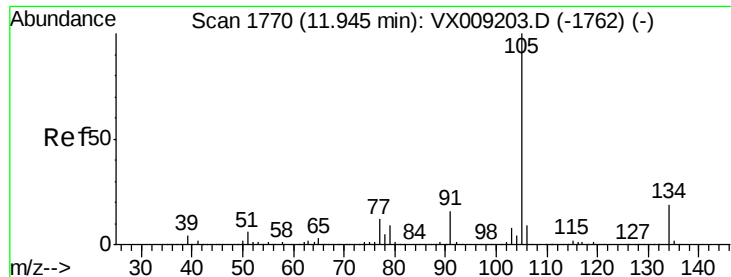
Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Tgt Ion:	105	Resp:	154619
Ion Ratio	Lower	Upper	
105	100		
120	43.9	22.0	66.0





#85

sec-Butylbenzene

Concen: 20.267 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

Instrument :

MSVOA_X

ClientSampleId :

VX0503WBS02

Tot Ion:105 Resp: 178784

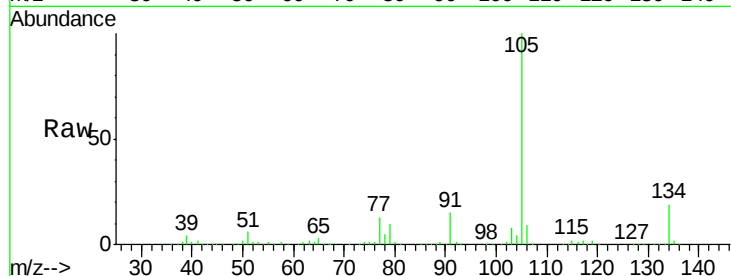
Ion Ratio Lower Upper

105 100

134 19.1 9.7 28.9

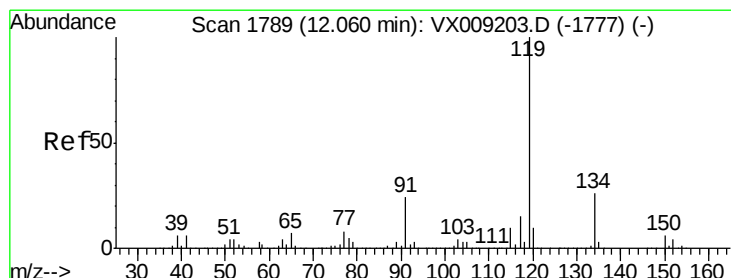
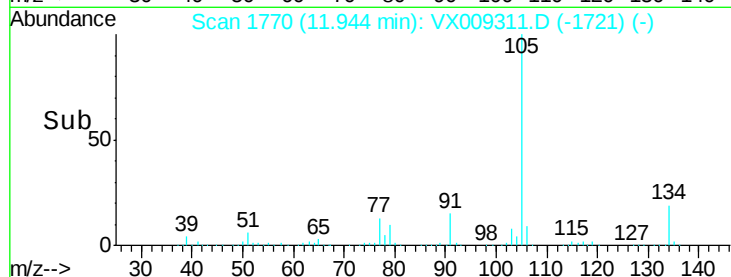
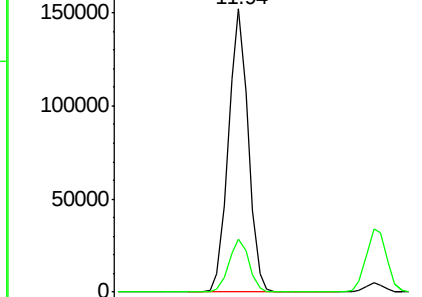
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.393 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX009311.D

Acq: 03 May 2019 15:54

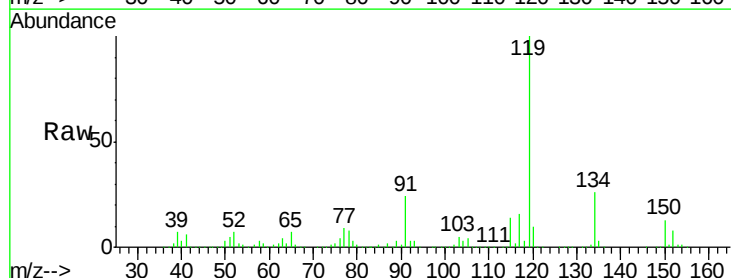
Tgt Ion:119 Resp: 161726

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

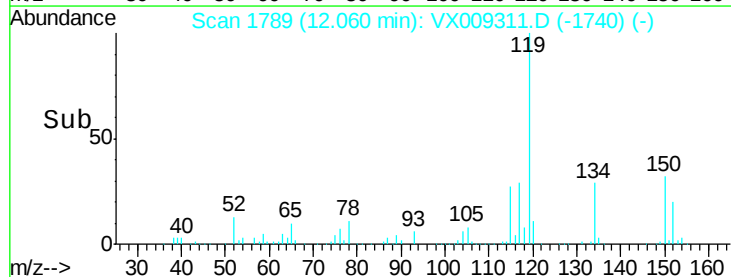
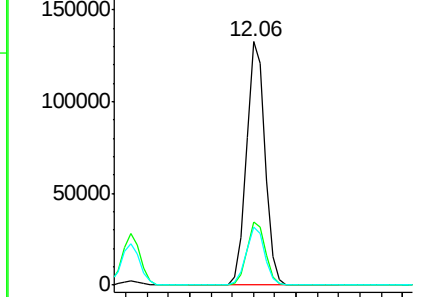
91 24.0 11.8 35.4

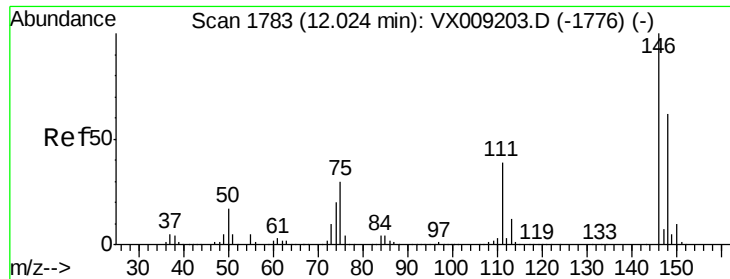


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0





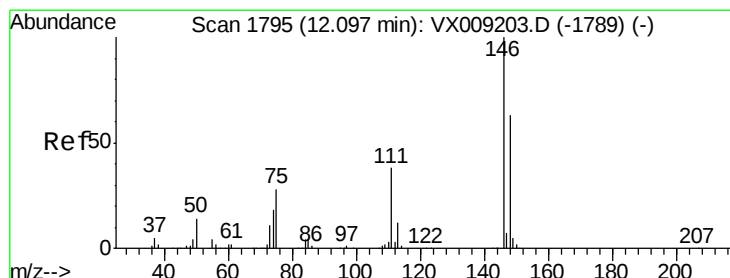
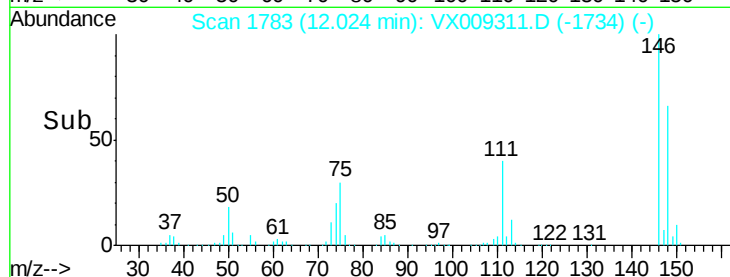
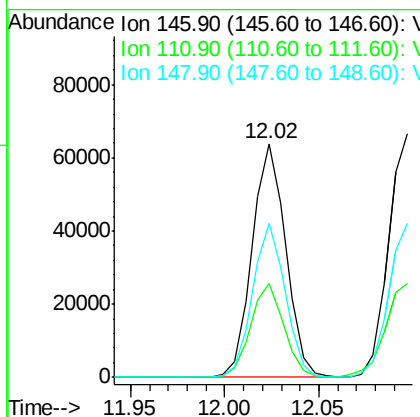
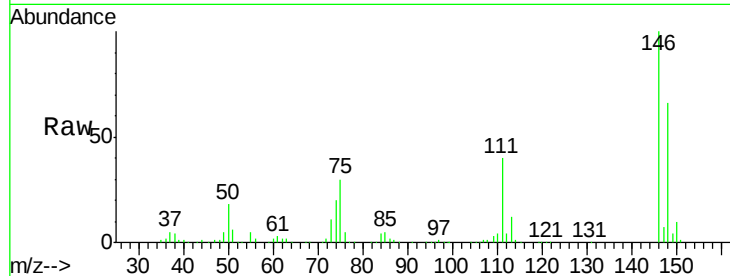
#87
 1,3-Dichlorobenzene
 Concen: 19.628 ug/l
 RT: 12.02 min Scan# 1783
 Delta R.T. -0.00 min
 Lab File: VX009311.D
 Acq: 03 May 2019 15:54

Instrument :
 MSVOA_X
 ClientSampled :
 VX0503WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.0	59.9
148	64.2	31.8	95.3

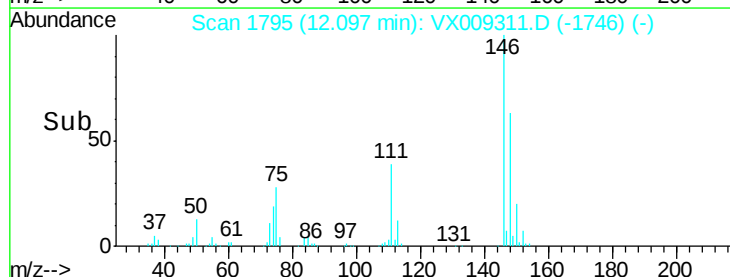
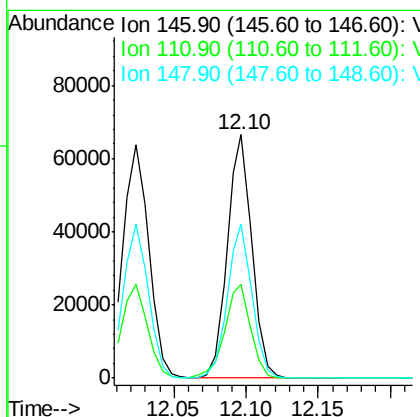
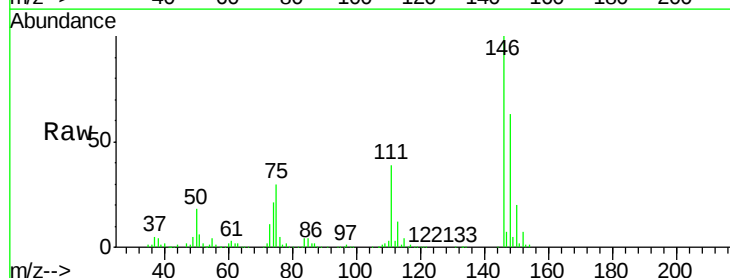
Manual Integrations
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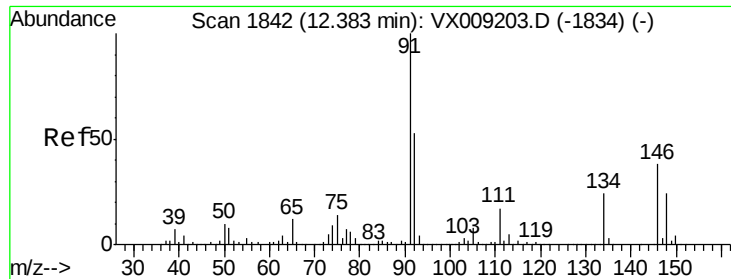
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#88
 1,4-Dichlorobenzene
 Concen: 19.754 ug/l
 RT: 12.10 min Scan# 1795
 Delta R.T. -0.00 min
 Lab File: VX009311.D
 Acq: 03 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.6	58.8
148	63.5	31.8	95.3





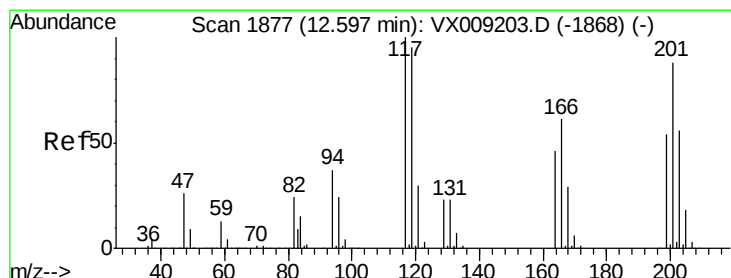
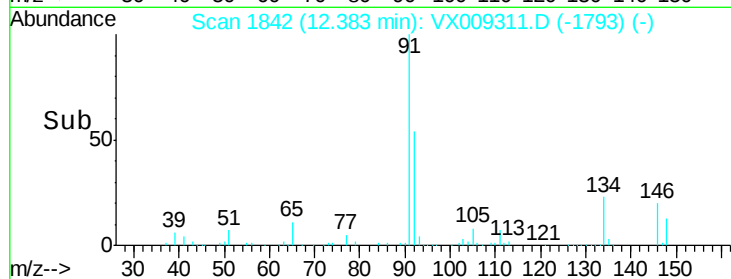
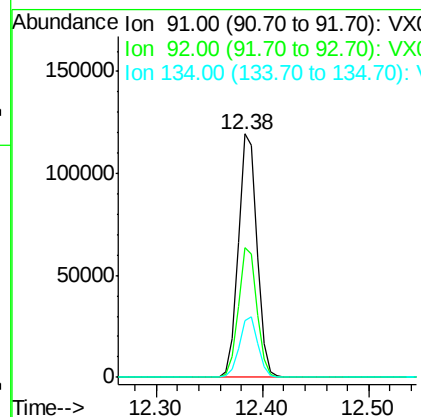
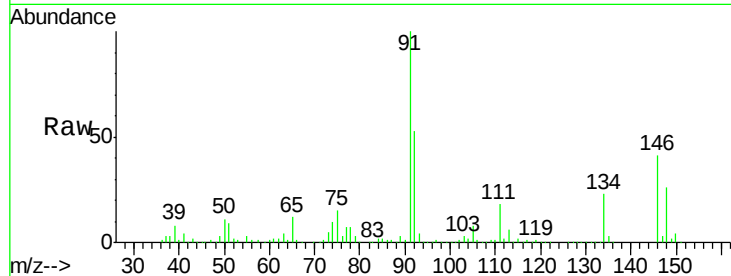
#89
n-Butylbenzene
Concen: 20.537 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		147208		
92	52.8	26.5	79.5		
134	24.6	12.4	37.2		

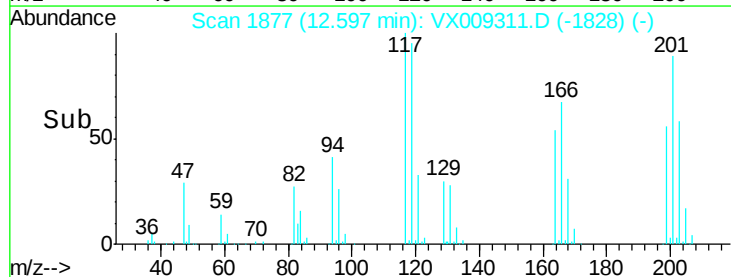
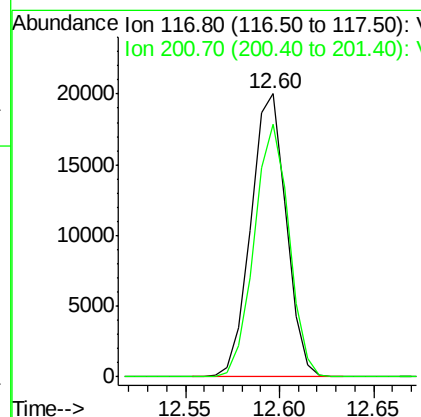
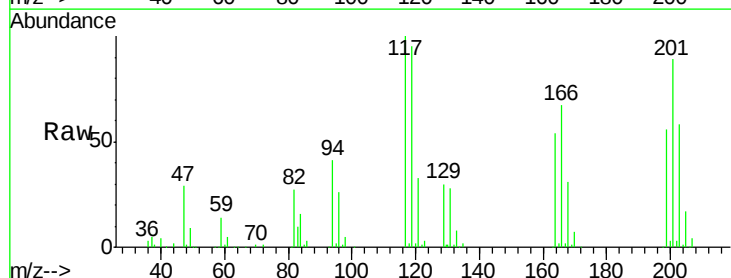
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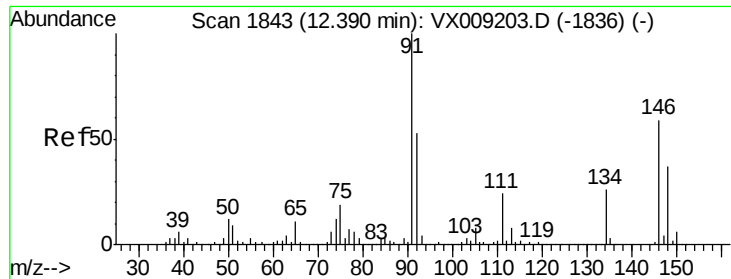
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#90
Hexachloroethane
Concen: 19.246 ug/l
RT: 12.60 min Scan# 1877
Delta R.T. -0.00 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		26003		
201	87.8	42.3	126.9		





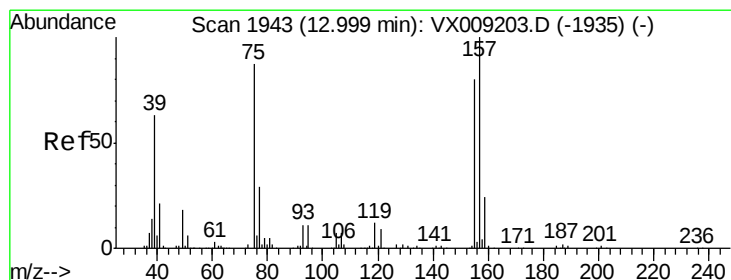
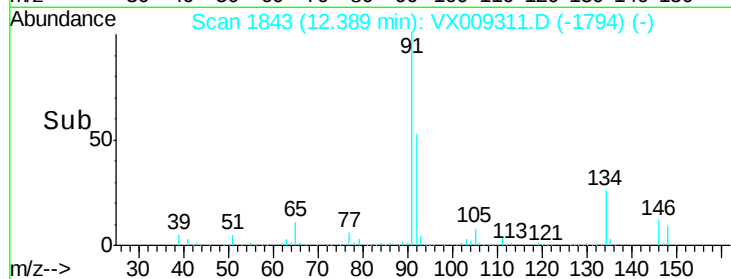
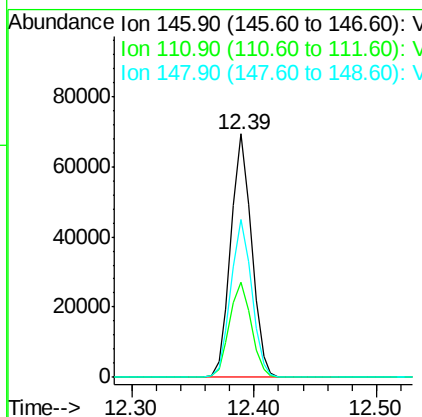
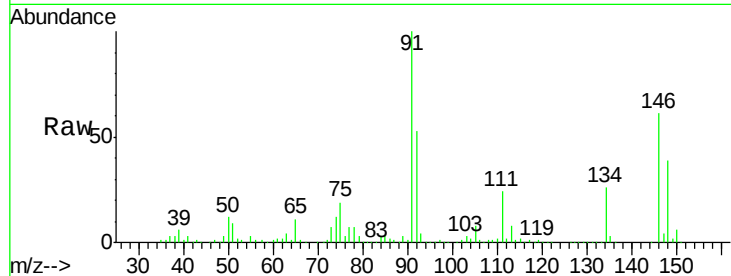
#91
 1,2-Dichlorobenzene
 Concen: 19.847 ug/l
 RT: 12.39 min Scan# 1843
 Delta R.T. -0.00 min
 Lab File: VX009311.D
 Acq: 03 May 2019 15:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBS02

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	20.8	62.4
148	65.0	31.9	95.9

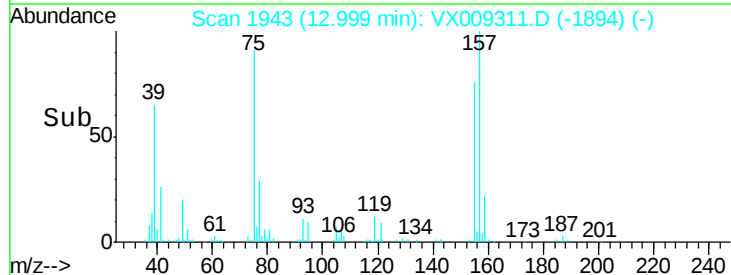
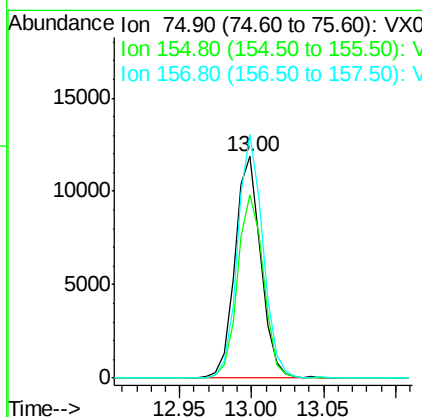
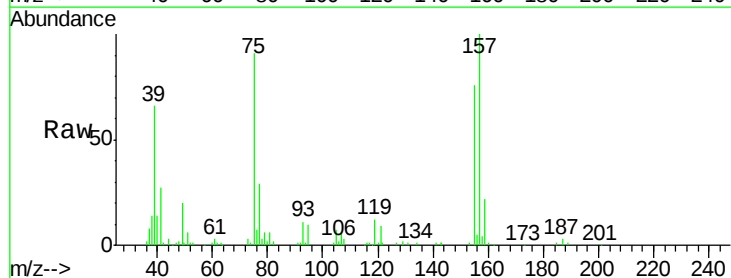
Manual Integrations
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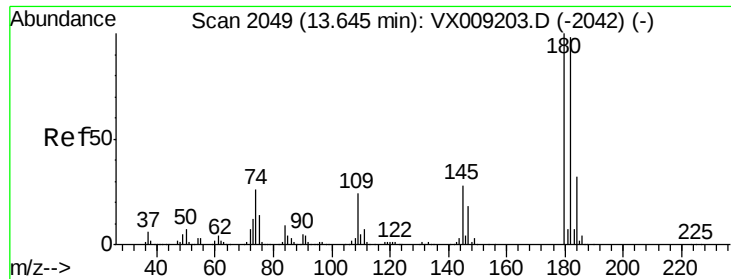
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.674 ug/l
 RT: 13.00 min Scan# 1943
 Delta R.T. -0.00 min
 Lab File: VX009311.D
 Acq: 03 May 2019 15:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.9	42.0	126.0
157	106.4	53.2	159.6





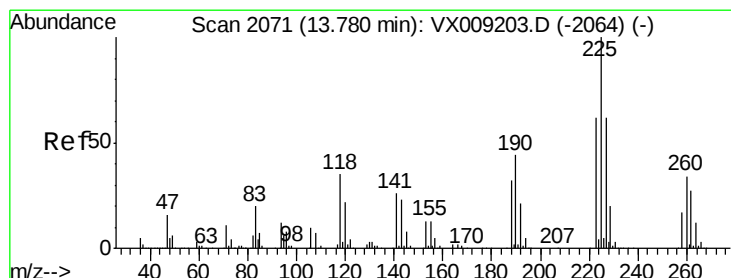
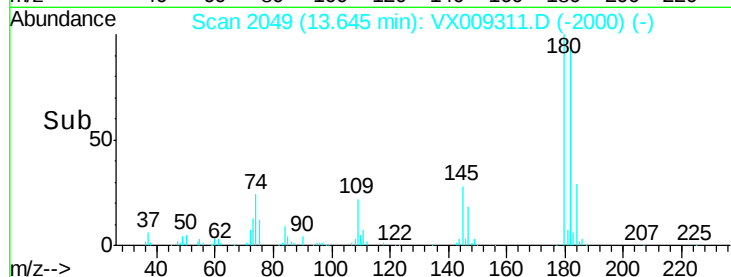
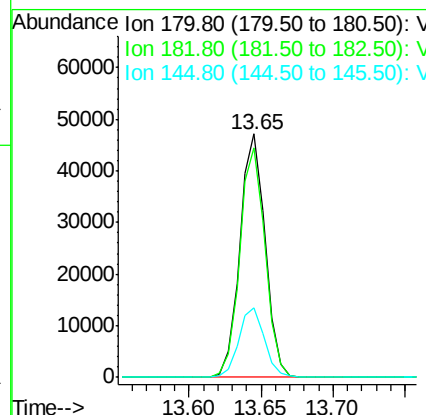
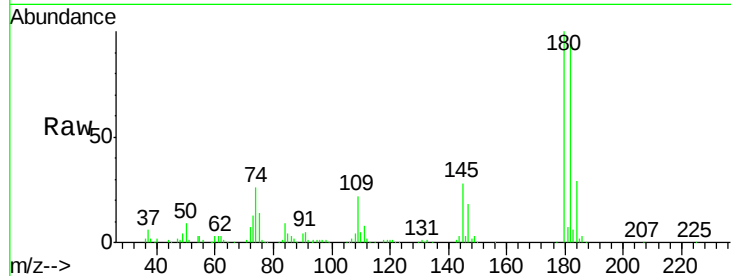
#93
 1,2,4-Trichlorobenzene
 Concen: 20.633 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX009311.D
 Acq: 03 May 2019 15:54

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0503WBS02

Tot Ion:	180	Resp:	57765
Ion Ratio	Lower	Upper	
180	100		
182	94.8	48.4	145.2
145	29.1	14.6	43.8

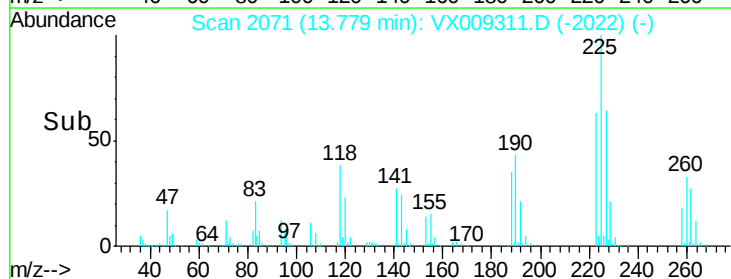
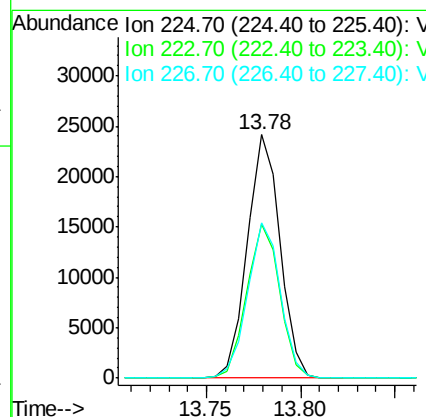
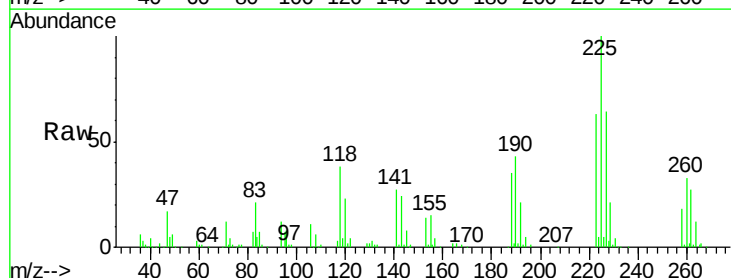
Manual Integrations
 APPROVED

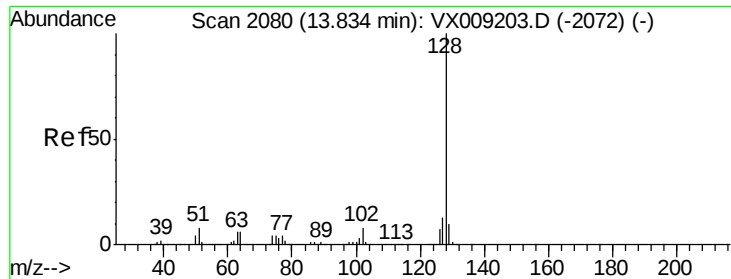
MMDadoda
 5/6/2019 9:24:50 AM



#94
 Hexachlorobutadiene
 Concen: 20.341 ug/l
 RT: 13.78 min Scan# 2071
 Delta R.T. -0.00 min
 Lab File: VX009311.D
 Acq: 03 May 2019 15:54

Tgt Ion:	225	Resp:	29080
Ion Ratio	Lower	Upper	
225	100		
223	63.5	31.3	93.8
227	63.8	31.8	95.3





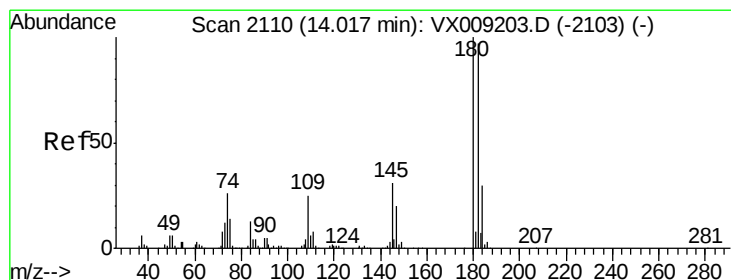
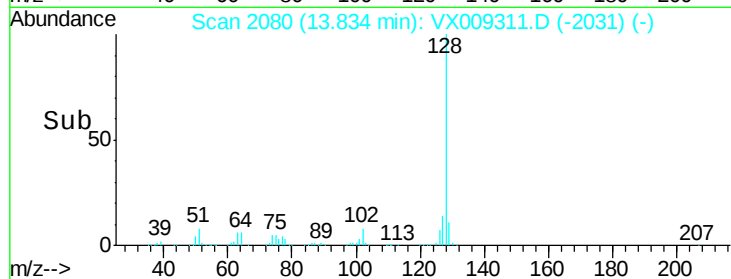
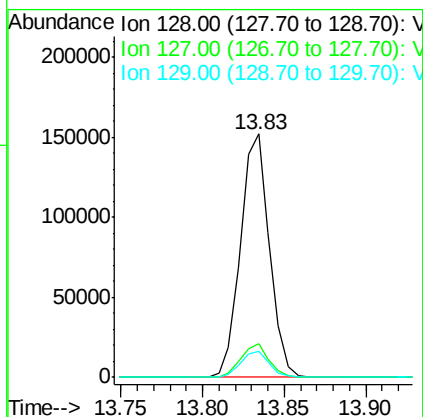
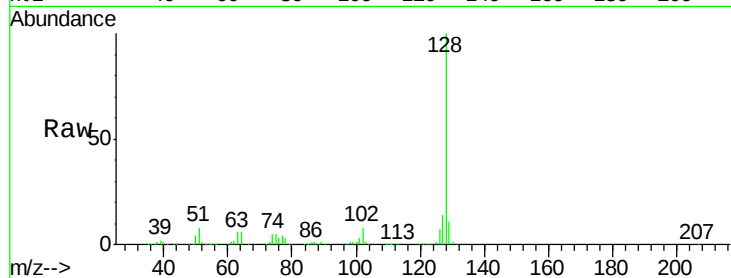
#95
Naphthalene
Concen: 20.567 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Instrument :
MSVOA_X
ClientSampleId :
VX0503WBS02

Tot Ion	Ratio	Resp	Lower	Upper
128	100	187328		
127	13.3		10.4	15.6
129	10.6		8.6	13.0

Manual Integrations
APPROVED

MMDadoda
5/6/2019 9:24:50 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.686 ug/l
RT: 14.02 min Scan# 2110
Delta R.T. -0.00 min
Lab File: VX009311.D
Acq: 03 May 2019 15:54

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	58704		
182	96.2		47.8	143.4
145	30.8		15.4	46.4

