

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031621\
 Data File : VX021251.D
 Acq On : 16 Mar 2021 17:57
 Operator : JC/MD
 Sample : M1665-02 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 41739

Quant Time: Mar 17 02:41:38 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031621W.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 16 14:00:21 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

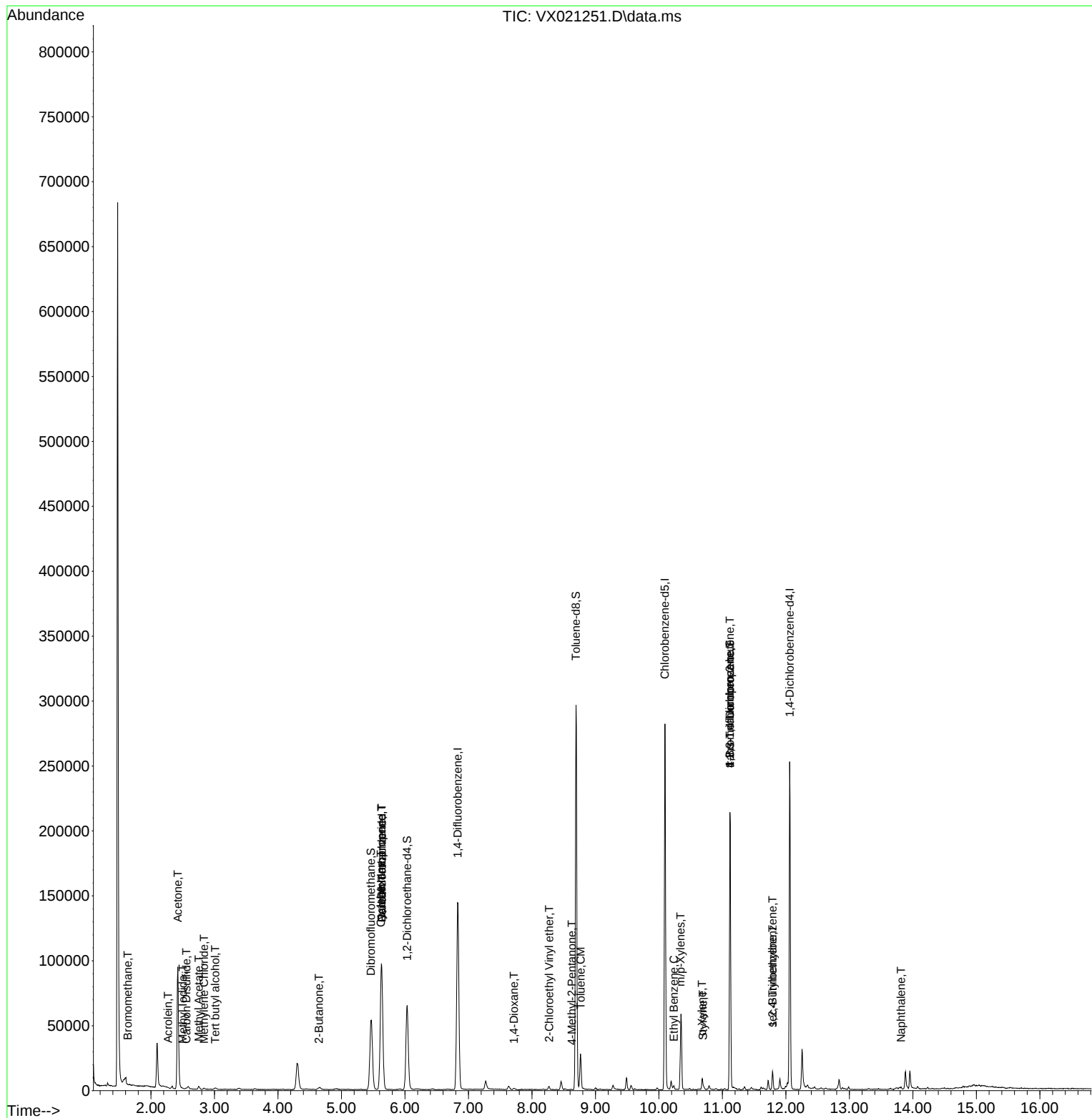
Internal Standards						
1) Pentafluorobenzene	5.635	168	82730	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	135676	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	114338	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	45113	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.035	65	63778	47.00	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.00%		
35) Dibromofluoromethane	5.464	113	45147	48.90	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	97.80%		
50) Toluene-d8	8.694	98	163419	48.79	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	97.58%		
62) 4-Bromofluorobenzene	11.118	95	56939	43.77	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	87.54%		
Target Compounds						Qvalue
3) Chloromethane	1.317	50	2824	Below Cal		90
5) Bromomethane	1.634	94	157	0.36 ug/l #		55
10) Methyl Iodide	2.499	142	298	0.39 ug/l #		88
11) Tert butyl alcohol	3.011	59	1301	5.71 ug/l #		73
13) Acrolein	2.270	56	352	5.68 ug/l #		76
16) Acetone	2.423	43	99706	199.70 ug/l		88
17) Carbon Disulfide	2.558	76	525	0.75 ug/l #		75
18) Methyl Acetate	2.752	43	2420	1.77 ug/l #		85
20) Methylene Chloride	2.834	84	338	0.33 ug/l #		73
25) 2-Butanone	4.646	43	1691	2.20 ug/l		93
31) Cyclohexane	5.623	56	2448	1.49 ug/l #		42
36) 1,1-Dichloropropene	5.629	75	7650	5.60 ug/l #		49
38) Carbon Tetrachloride	5.635	117	9508	6.70 ug/l #		17
49) 1,4-Dioxane	7.717	88	582	13.76 ug/l #		46
51) 4-Methyl-2-Pentanone	8.629	43	411	0.27 ug/l #		32
52) Toluene	8.765	92	9171	3.94 ug/l		98
58) 2-Chloroethyl Vinyl ether	8.270	63	178	0.21 ug/l #		45
67) Ethyl Benzene	10.235	91	1539	0.35 ug/l		95
68) m/p-Xylenes	10.341	106	3896	2.51 ug/l		91
69) o-Xylene	10.677	106	1366	0.91 ug/l		87
70) Styrene	10.694	104	818	0.32 ug/l #		67
76) 1,2,3-Trichloropropane	11.118	75	31465	30.07 ug/l #		38
81) trans-1,4-Dichloro-2-b...	11.118	75	31465	81.63 ug/l #		12
84) 1,2,4-Trimethylbenzene	11.789	105	3778	1.31 ug/l #		49
85) sec-Butylbenzene	11.789	105	3778	1.19 ug/l #		57
95) Naphthalene	13.812	128	985	0.31 ug/l #		92

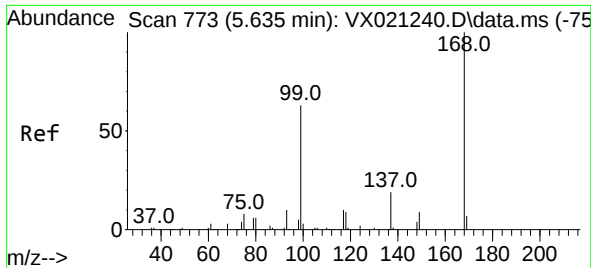
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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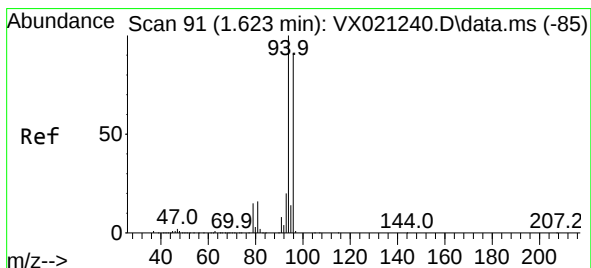
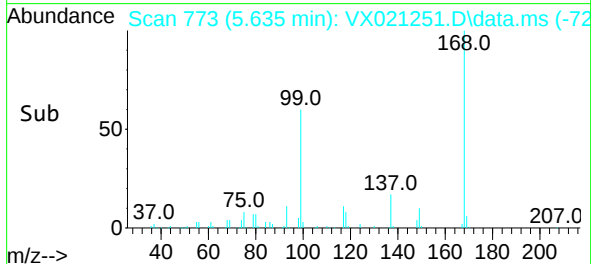
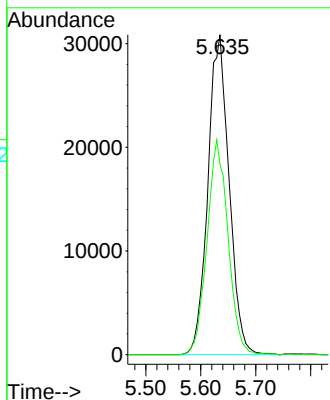
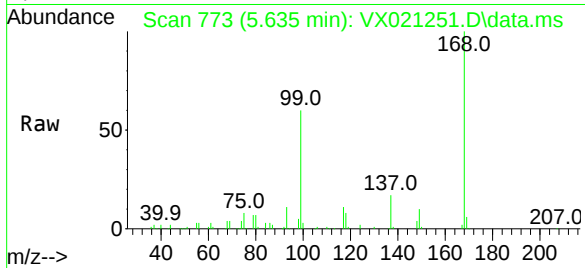




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.635 min Scan# 773
Delta R.T. -0.000 min
Lab File: VX021251.D
Acq: 16 Mar 2021 17:57

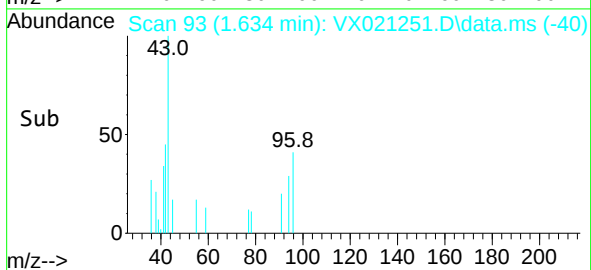
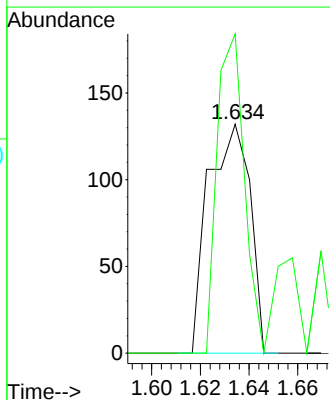
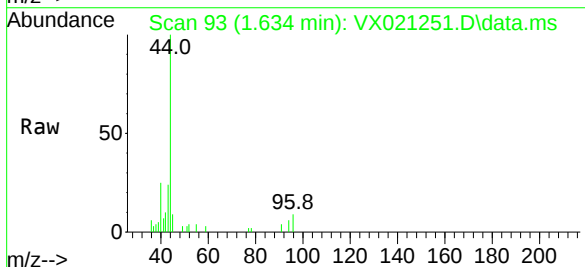
Instrument :
MSVOA_X
ClientSampleId :
41739

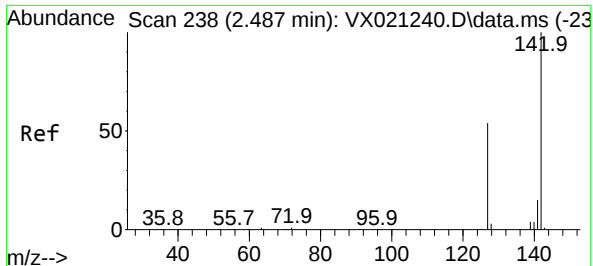
Tgt Ion:168 Resp: 82730
Ion Ratio Lower Upper
168 100
99 59.6 45.8 68.6



#5
Bromomethane
Concen: 0.36 ug/l
RT: 1.634 min Scan# 93
Delta R.T. 0.011 min
Lab File: VX021251.D
Acq: 16 Mar 2021 17:57

Tgt Ion: 94 Resp: 157
Ion Ratio Lower Upper
94 100
96 139.4 76.4 114.6#

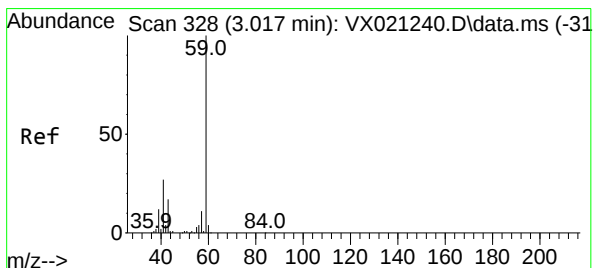
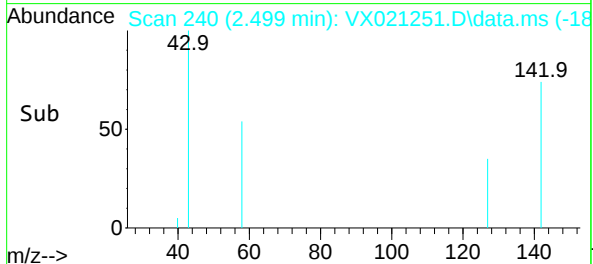
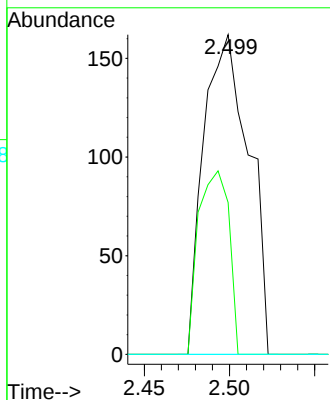
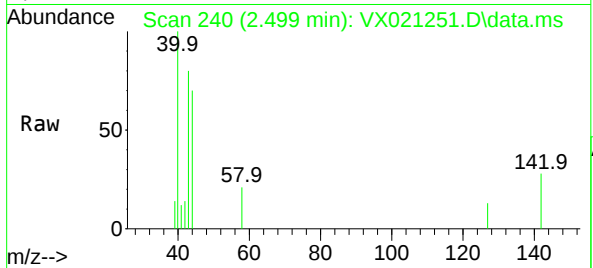




#10
Methyl Iodide
Concen: 0.39 ug/l
RT: 2.499 min Scan# 240
Delta R.T. 0.012 min
Lab File: VX021251.D
Acq: 16 Mar 2021 17:57

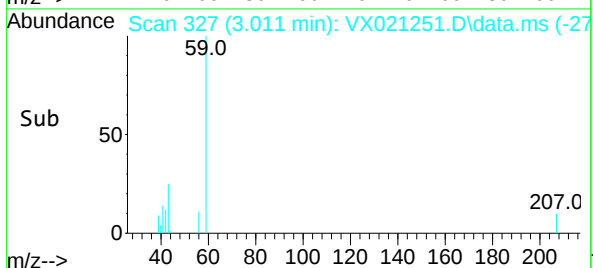
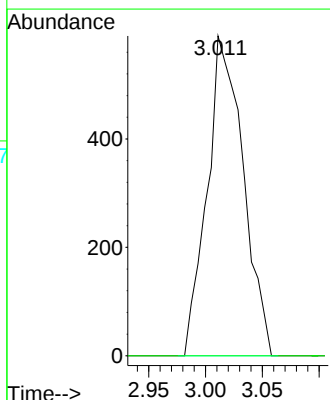
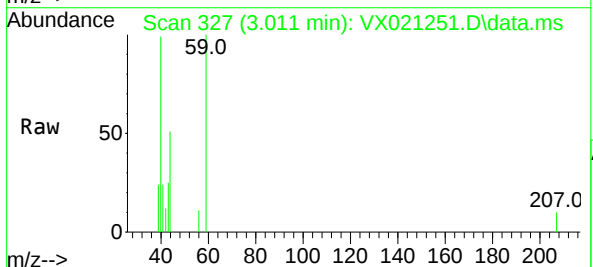
Instrument :
MSVOA_X
ClientSampleId :
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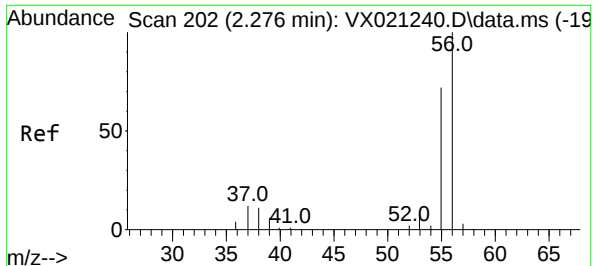
Tgt Ion:142 Resp: 298
Ion Ratio Lower Upper
142 100
127 38.9 33.3 49.9
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 5.71 ug/l
RT: 3.011 min Scan# 327
Delta R.T. -0.006 min
Lab File: VX021251.D
Acq: 16 Mar 2021 17:57

Tgt Ion: 59 Resp: 1301
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

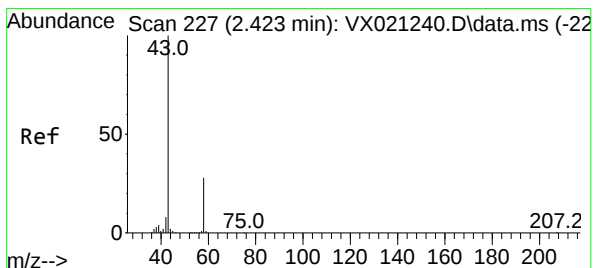
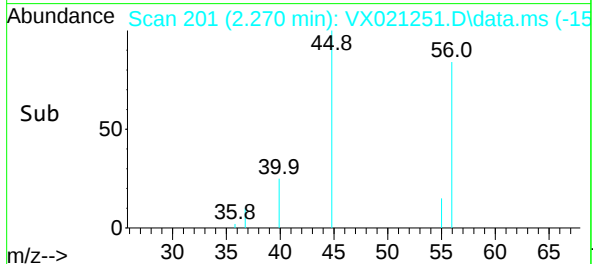
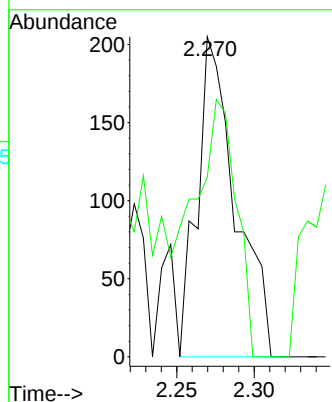
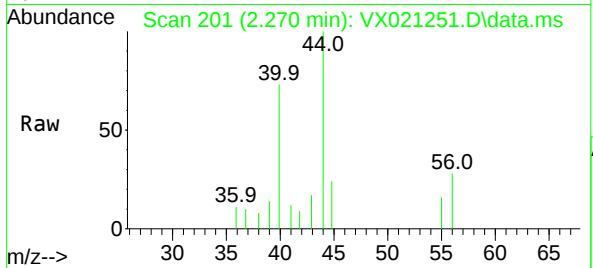




#13
Acrolein
Concen: 5.68 ug/l
RT: 2.270 min Scan# 201
Delta R.T. -0.006 min
Lab File: VX021251.D
Acq: 16 Mar 2021 17:57

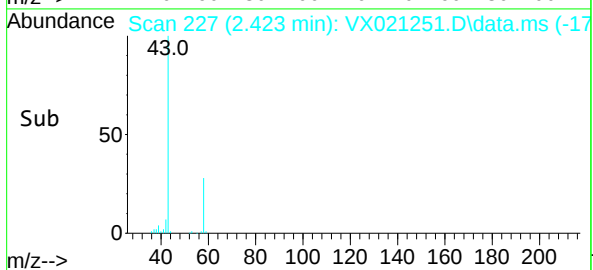
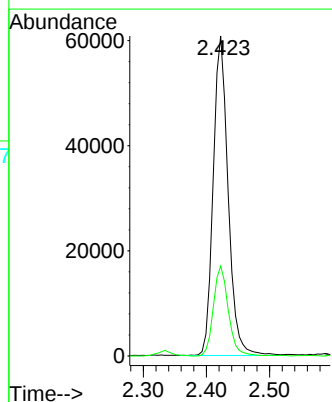
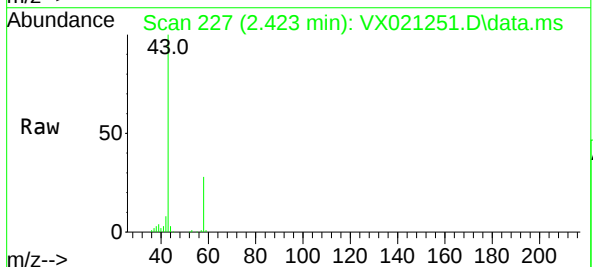
Instrument :
MSVOA_X
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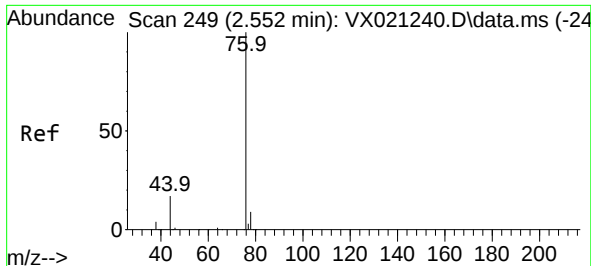
Tgt Ion: 56 Resp: 352
Ion Ratio Lower Upper
56 100
55 90.3 56.4 84.6#



#16
Acetone
Concen: 199.70 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021251.D
Acq: 16 Mar 2021 17:57

Tgt Ion: 43 Resp: 99706
Ion Ratio Lower Upper
43 100
58 28.0 27.8 41.8

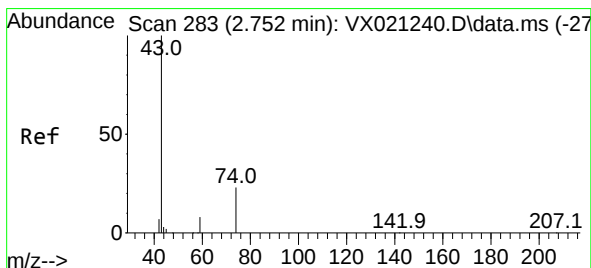
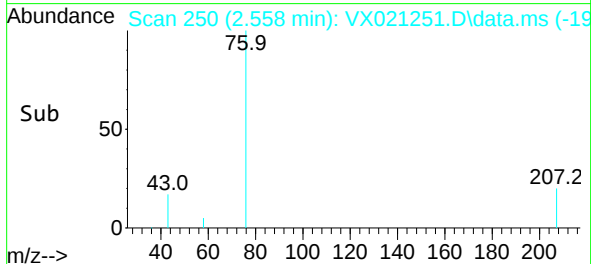
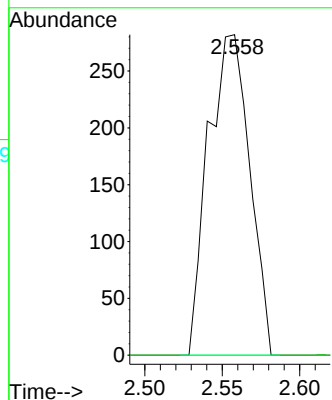
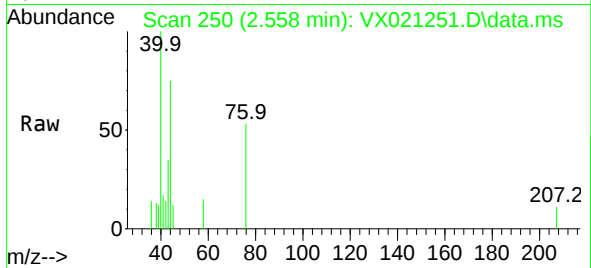




#17
Carbon Disulfide
Concen: 0.75 ug/l
RT: 2.558 min Scan# 250
Delta R.T. 0.006 min
Lab File: VX021251.D
Acq: 16 Mar 2021 17:57

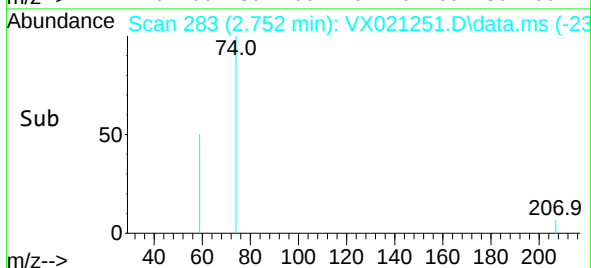
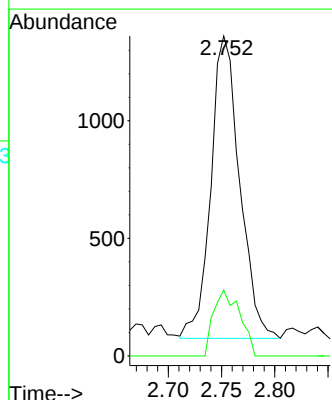
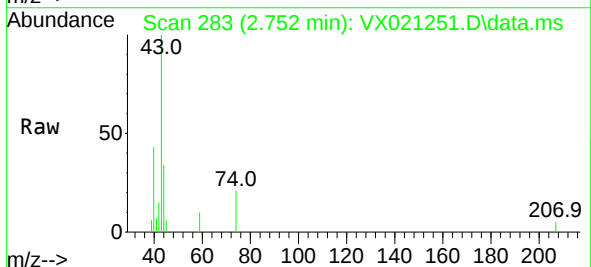
Instrument :
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ClientSampleId :
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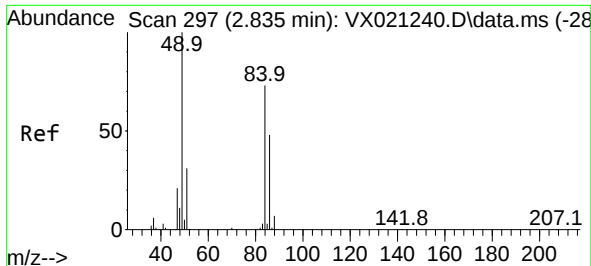
Tgt Ion: 76 Resp: 525
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 1.77 ug/l
RT: 2.752 min Scan# 283
Delta R.T. 0.000 min
Lab File: VX021251.D
Acq: 16 Mar 2021 17:57

Tgt Ion: 43 Resp: 2420
Ion Ratio Lower Upper
43 100
74 19.8 21.9 32.9#

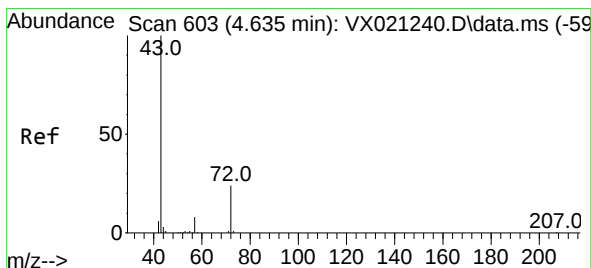
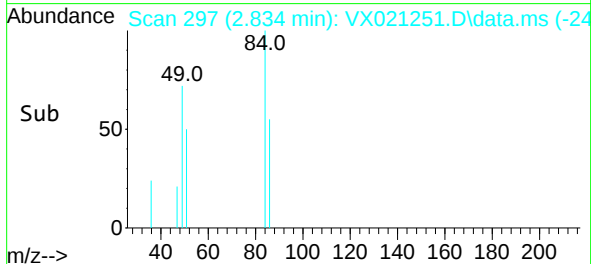
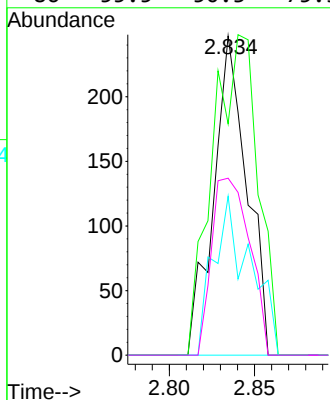
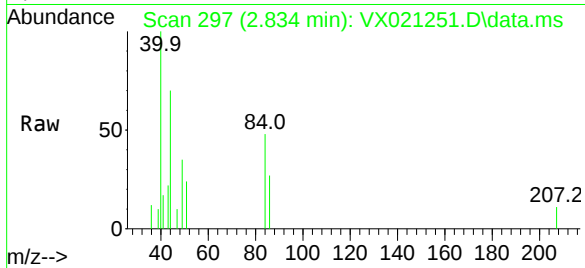




#20
Methylene Chloride
Concen: 0.33 ug/l
RT: 2.834 min Scan# 297
Delta R.T. -0.001 min
Lab File: VX021251.D
Acq: 16 Mar 2021 17:57

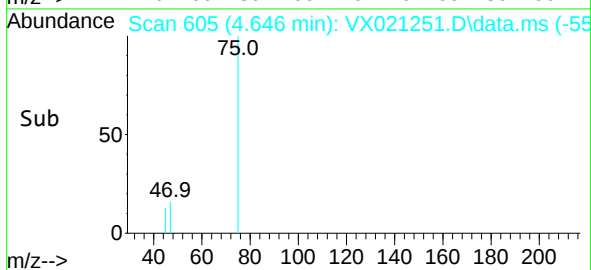
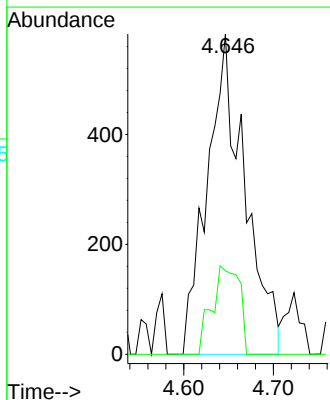
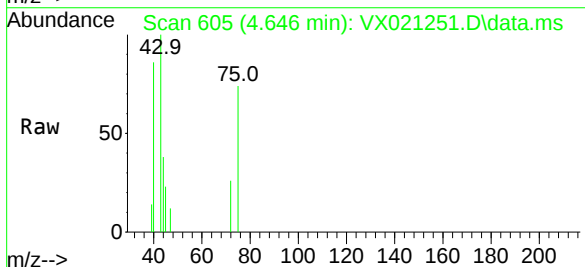
Instrument :
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ClientSampled :
41739

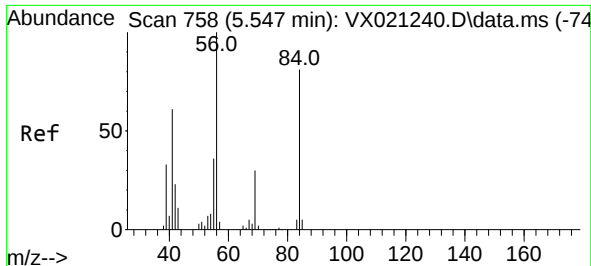
Tgt Ion:	84	Resp:	338
Ion	Ratio	Lower	Upper
84	100		
49	72.5	88.6	132.8#
51	49.8	27.0	40.6#
86	55.5	50.3	75.5



#25
2-Butanone
Concen: 2.20 ug/l
RT: 4.646 min Scan# 605
Delta R.T. 0.011 min
Lab File: VX021251.D
Acq: 16 Mar 2021 17:57

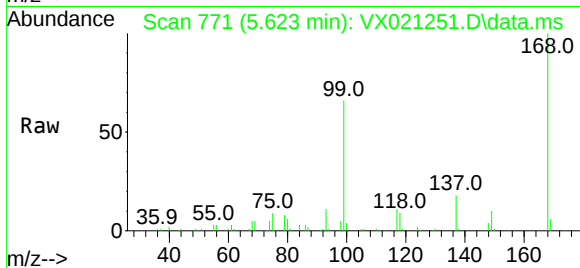
Tgt Ion:	43	Resp:	1691
Ion	Ratio	Lower	Upper
43	100		
72	26.1	23.7	35.5



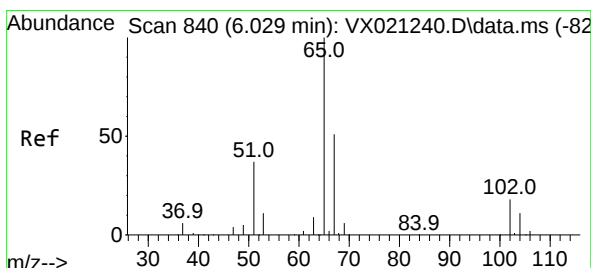
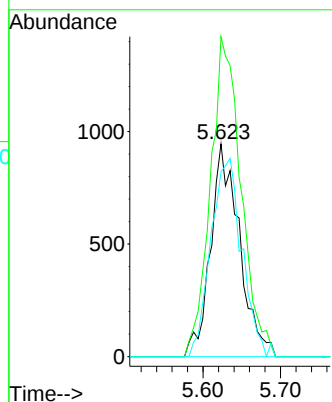
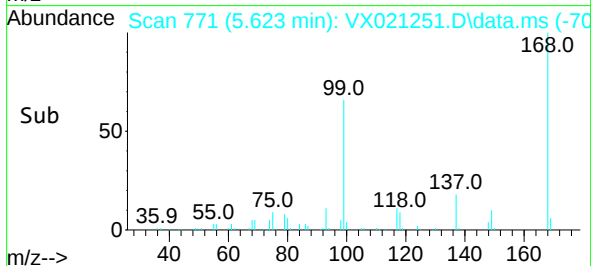


#31
Cyclohexane
Concen: 1.49 ug/l
RT: 5.623 min Scan# 771
Delta R.T. 0.076 min
Lab File: VX021251.D
Acq: 16 Mar 2021 17:57

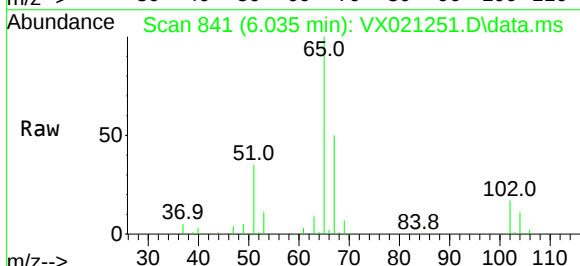
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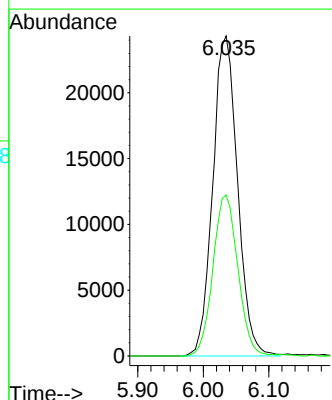
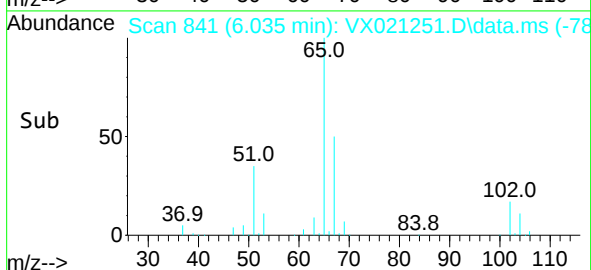
Tgt Ion: 56 Resp: 2448
Ion Ratio Lower Upper
56 100
69 150.5 25.3 37.9#
84 87.0 71.4 107.0

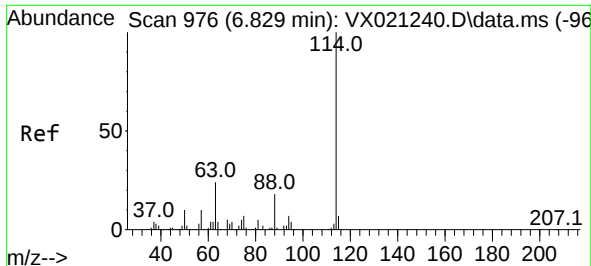


#33
1,2-Dichloroethane-d4
Concen: 47.00 ug/l
RT: 6.035 min Scan# 841
Delta R.T. 0.006 min
Lab File: VX021251.D
Acq: 16 Mar 2021 17:57



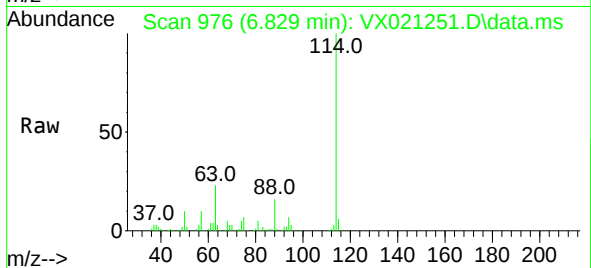
Tgt Ion: 65 Resp: 63778
Ion Ratio Lower Upper
65 100
67 50.8 0.0 105.4



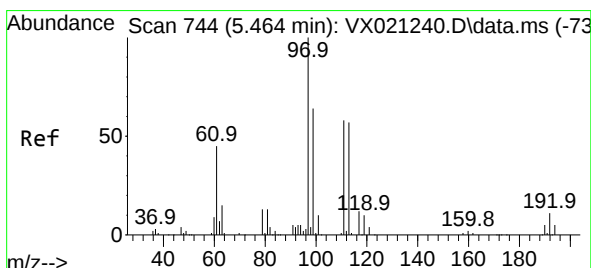
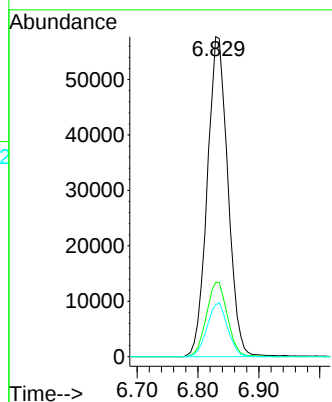
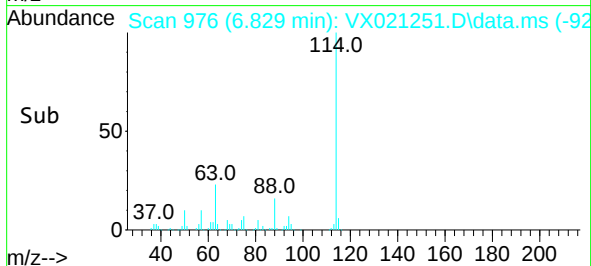


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. 0.000 min
Lab File: VX021251.D
Acq: 16 Mar 2021 17:57

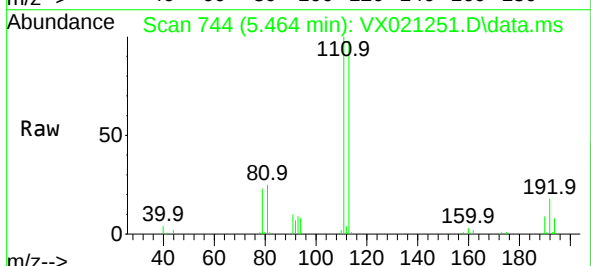
Instrument :
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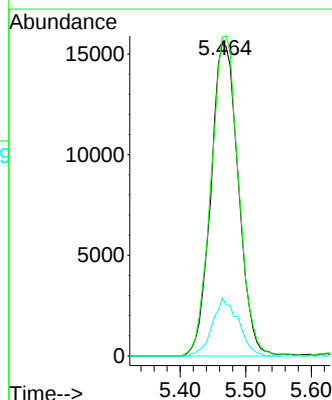
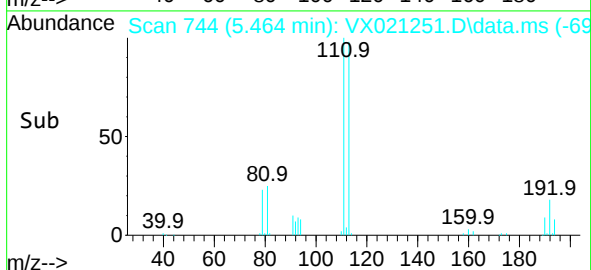
Tgt Ion:114 Resp: 135676
Ion Ratio Lower Upper
114 100
63 23.3 0.0 40.8
88 16.2 0.0 32.8

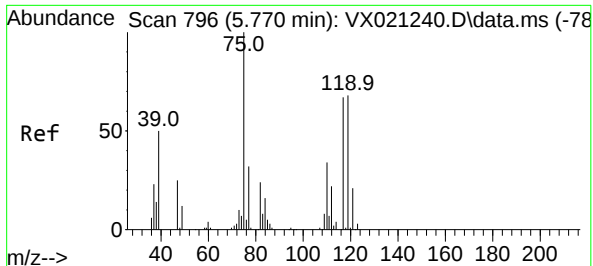


#35
Dibromofluoromethane
Concen: 48.90 ug/l
RT: 5.464 min Scan# 744
Delta R.T. 0.000 min
Lab File: VX021251.D
Acq: 16 Mar 2021 17:57



Tgt Ion:113 Resp: 45147
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 17.5 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.60 ug/l

RT: 5.629 min Scan# 772

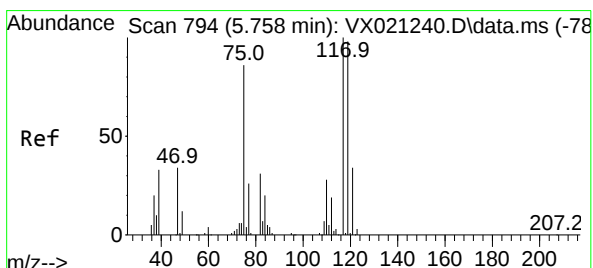
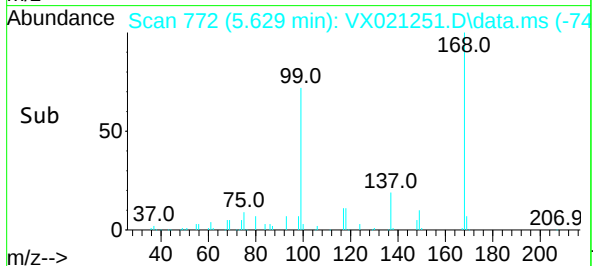
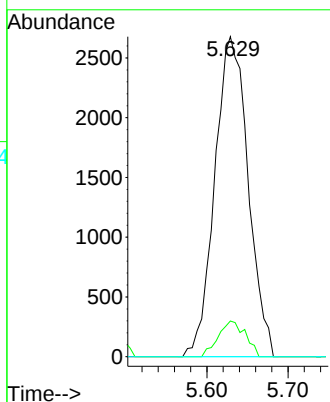
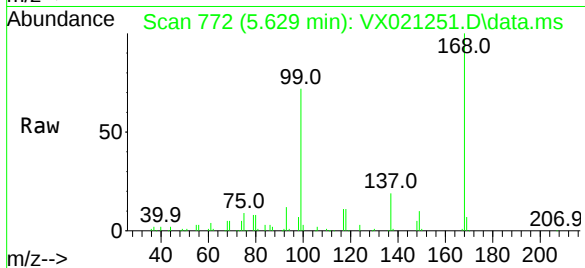
Delta R.T. -0.141 min

Lab File: VX021251.D

Acq: 16 Mar 2021 17:57

Tgt Ion:	75	Resp:	7650
Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.4#
77	0.0	25.3	37.9#

Instrument :
MSVOA_X
ClientSampleId :
41739



#38

Carbon Tetrachloride

Concen: 6.70 ug/l

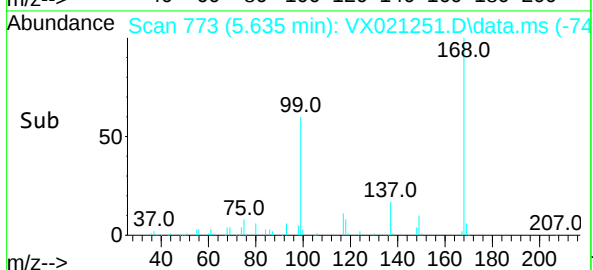
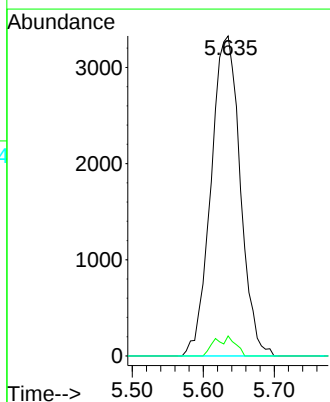
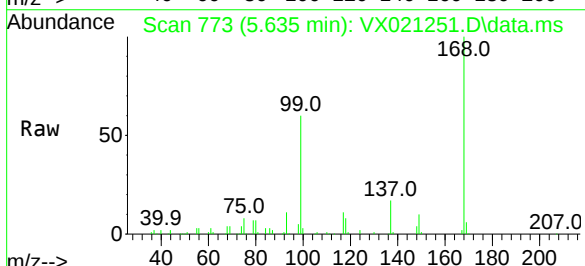
RT: 5.635 min Scan# 773

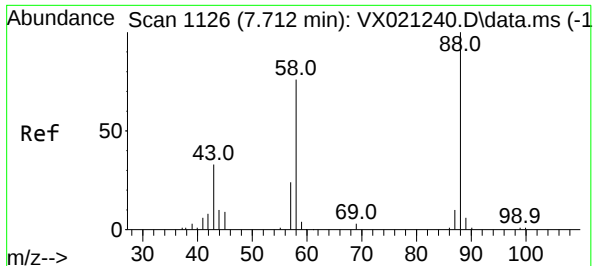
Delta R.T. -0.123 min

Lab File: VX021251.D

Acq: 16 Mar 2021 17:57

Tgt Ion:	117	Resp:	9508
Ion	Ratio	Lower	Upper
117	100		
119	6.2	76.2	114.2#
121	0.0	24.8	37.2#





#49

1,4-Dioxane

Concen: 13.76 ug/l

RT: 7.717 min Scan# 1127

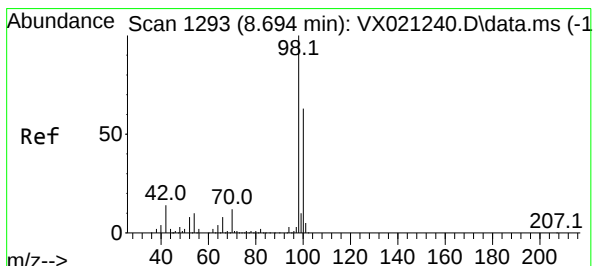
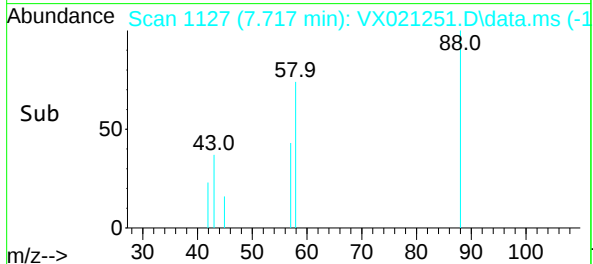
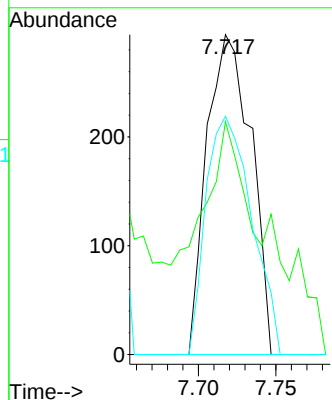
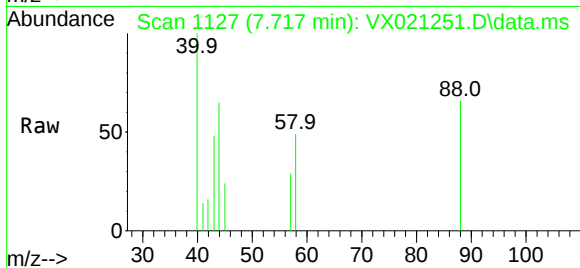
Delta R.T. 0.005 min

Lab File: VX021251.D

Acq: 16 Mar 2021 17:57

Tgt Ion: 88 Resp: 582

Ion	Ratio	Lower	Upper
88	100		
43	112.9	23.2	34.8#
58	77.3	55.0	82.4



#50

Toluene-d8

Concen: 48.79 ug/l

RT: 8.694 min Scan# 1293

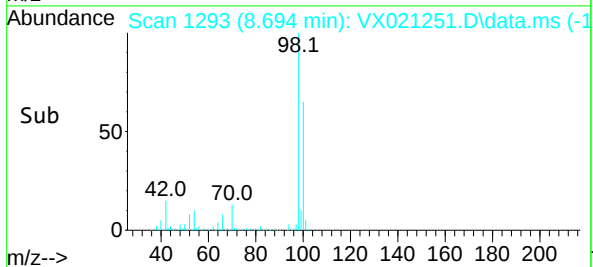
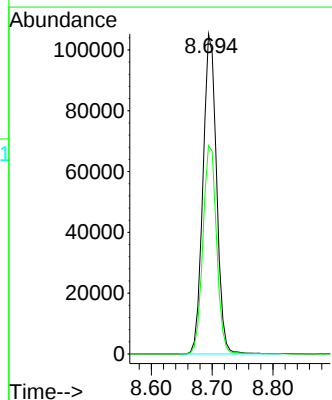
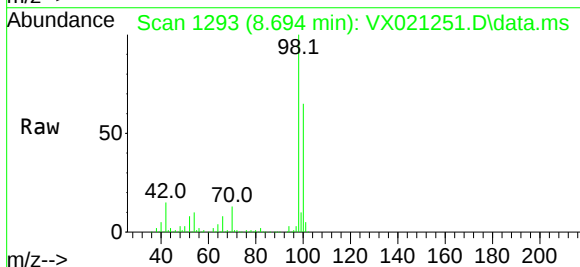
Delta R.T. 0.000 min

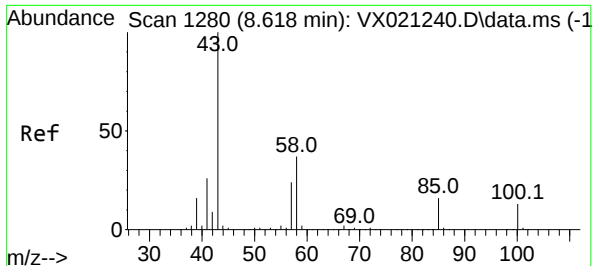
Lab File: VX021251.D

Acq: 16 Mar 2021 17:57

Tgt Ion: 98 Resp: 163419

Ion	Ratio	Lower	Upper
98	100		
100	65.7	51.9	77.9

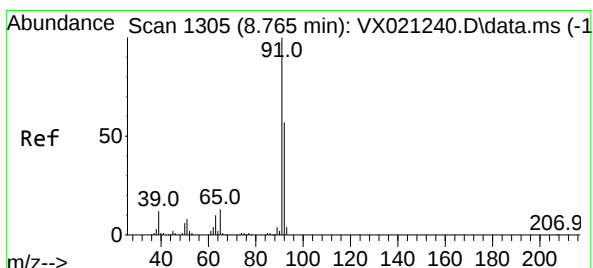
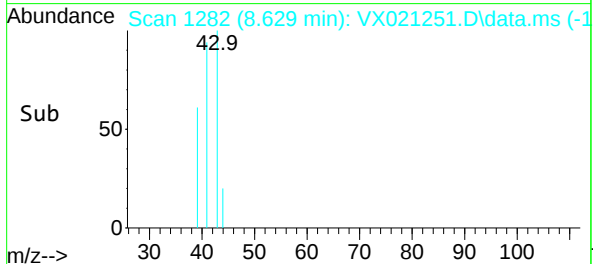
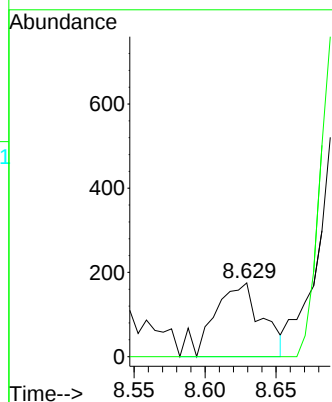
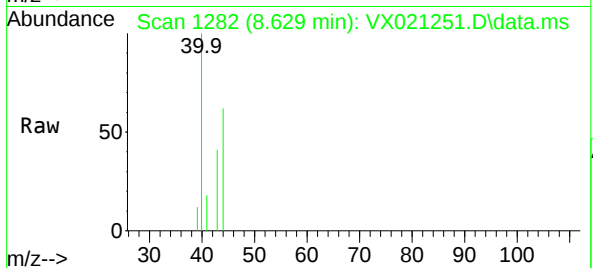




#51
4-Methyl-2-Pentanone
Concen: 0.27 ug/l
RT: 8.629 min Scan# 1282
Delta R.T. 0.011 min
Lab File: VX021251.D
Acq: 16 Mar 2021 17:57

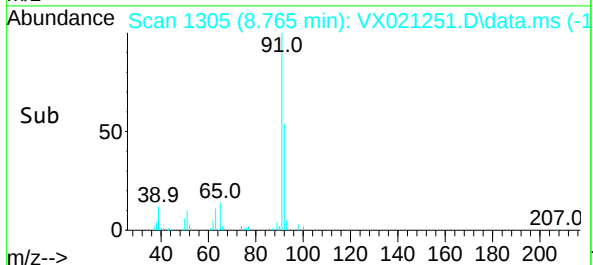
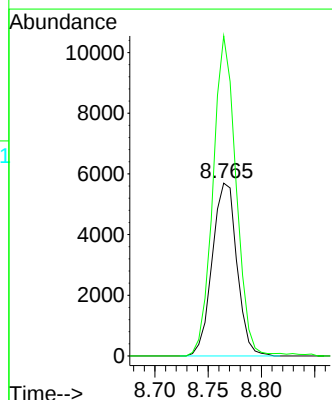
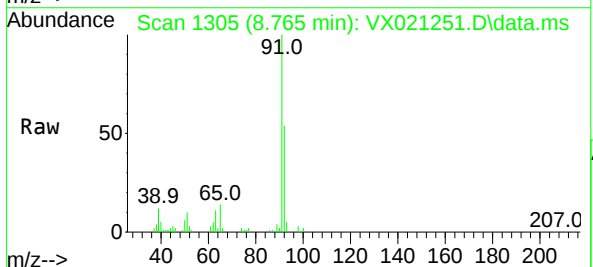
Instrument :
MSVOA_X
ClientSampleId :
41739

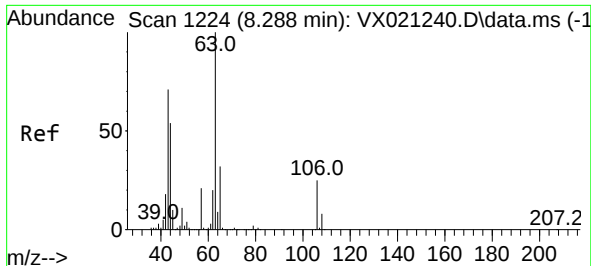
Tgt Ion: 43 Resp: 411
Ion Ratio Lower Upper
43 100
58 0.0 35.4 53.0#



#52
Toluene
Concen: 3.94 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VX021251.D
Acq: 16 Mar 2021 17:57

Tgt Ion: 92 Resp: 9171
Ion Ratio Lower Upper
92 100
91 174.1 137.1 205.7

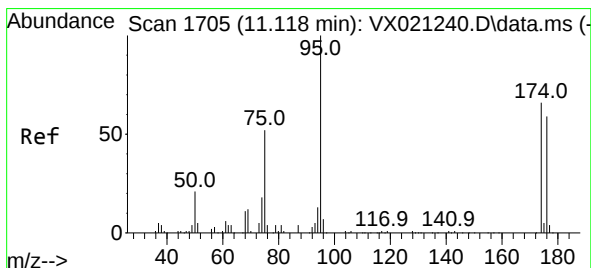
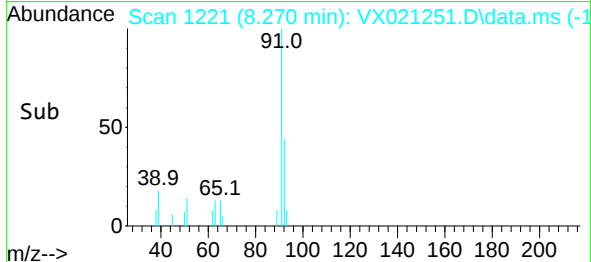
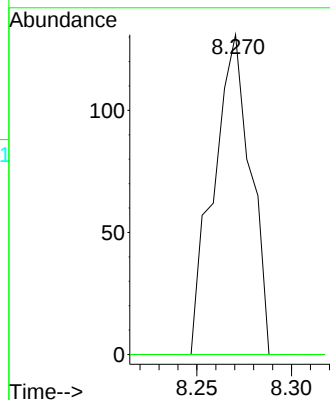
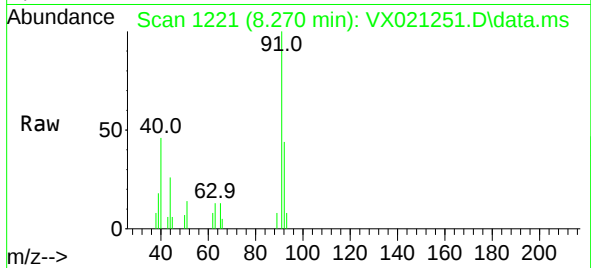




#58
2-Chloroethyl Vinyl ether
Concen: 0.21 ug/l
RT: 8.270 min Scan# 1221
Delta R.T. -0.018 min
Lab File: VX021251.D
Acq: 16 Mar 2021 17:57

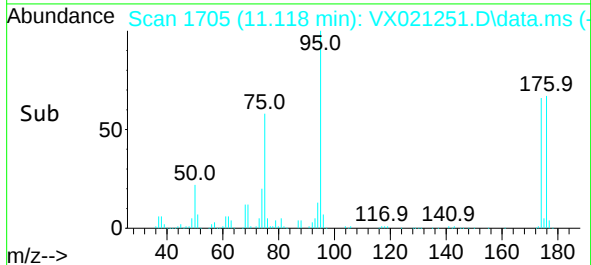
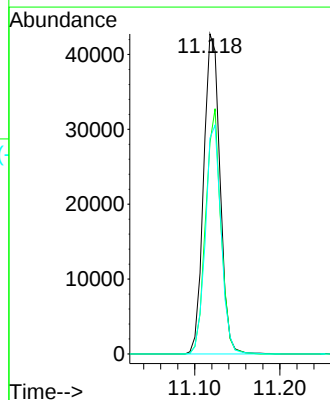
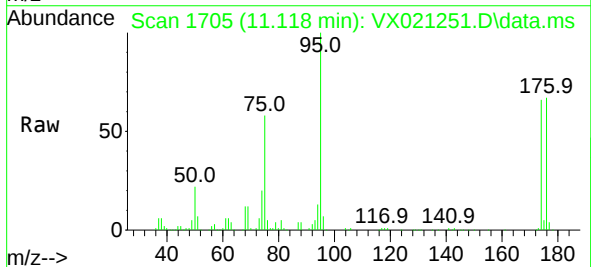
Instrument :
MSVOA_X
ClientSampled :
41739

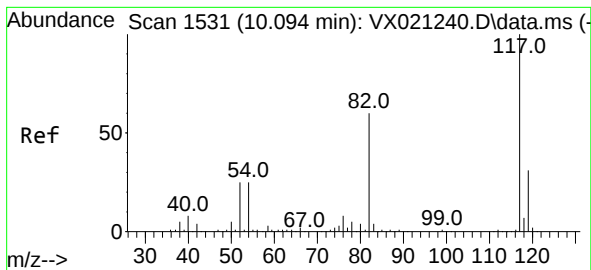
Tgt Ion: 63 Resp: 178
Ion Ratio Lower Upper
63 100
106 0.0 23.5 35.3#



#62
4-Bromofluorobenzene
Concen: 43.77 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021251.D
Acq: 16 Mar 2021 17:57

Tgt Ion: 95 Resp: 56939
Ion Ratio Lower Upper
95 100
174 71.3 0.0 154.6
176 68.8 0.0 155.8

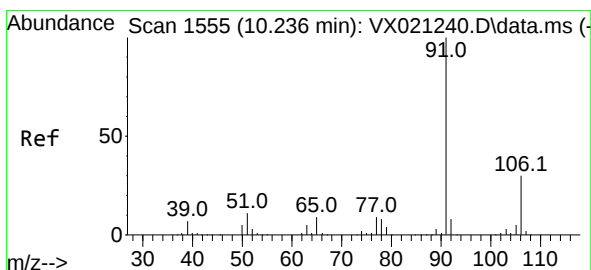
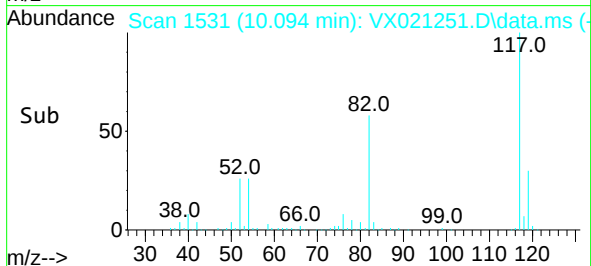
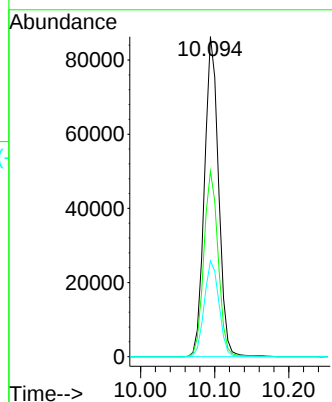
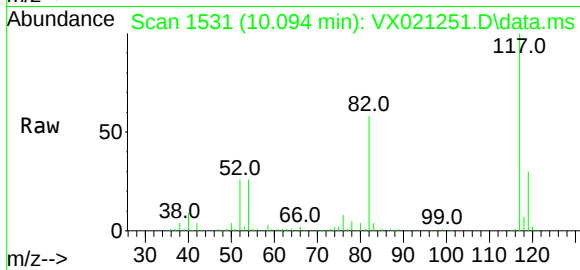




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. 0.000 min
Lab File: VX021251.D
Acq: 16 Mar 2021 17:57

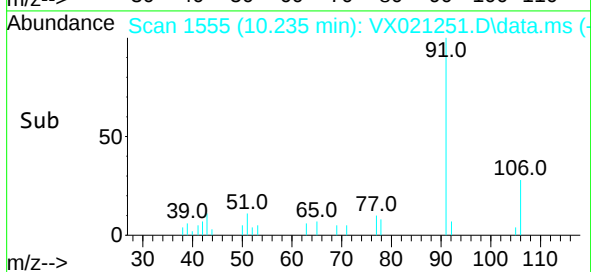
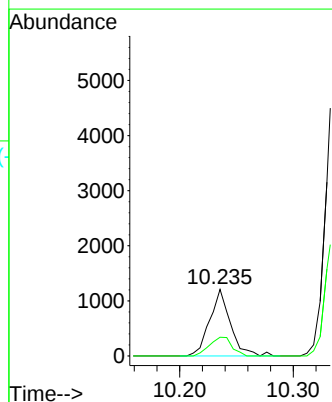
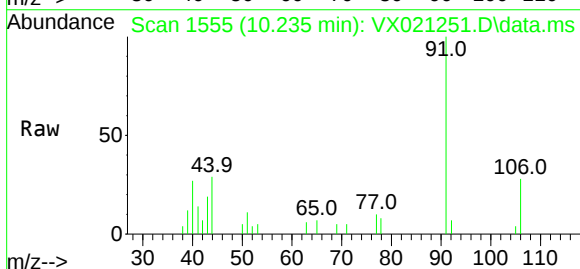
Instrument :
MSVOA_X
ClientSampleId :
41739

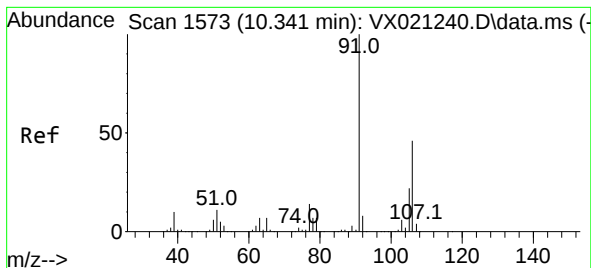
Tgt Ion:117 Resp: 114338
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 30.0 26.6 39.8



#67
Ethyl Benzene
Concen: 0.35 ug/l
RT: 10.235 min Scan# 1555
Delta R.T. -0.001 min
Lab File: VX021251.D
Acq: 16 Mar 2021 17:57

Tgt Ion: 91 Resp: 1539
Ion Ratio Lower Upper
91 100
106 28.0 24.6 37.0

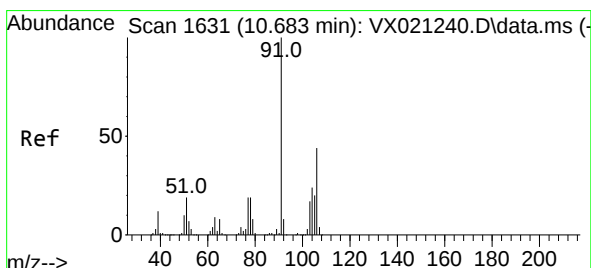
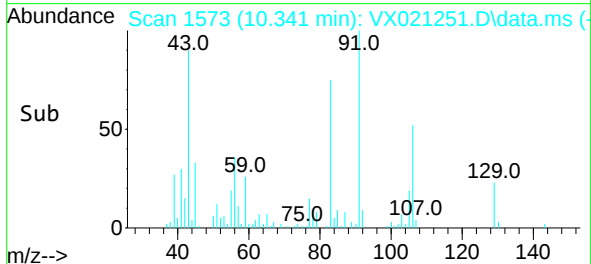
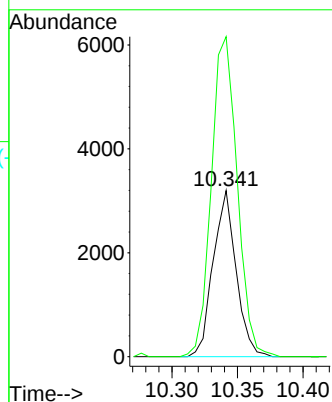
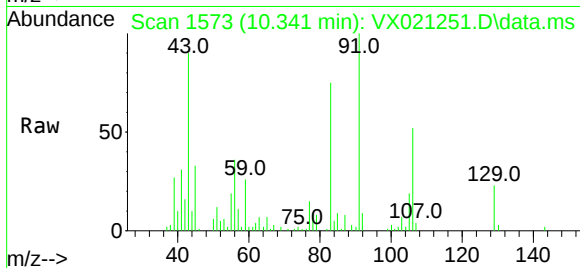




#68
m/p-Xylenes
Concen: 2.51 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. 0.000 min
Lab File: VX021251.D
Acq: 16 Mar 2021 17:57

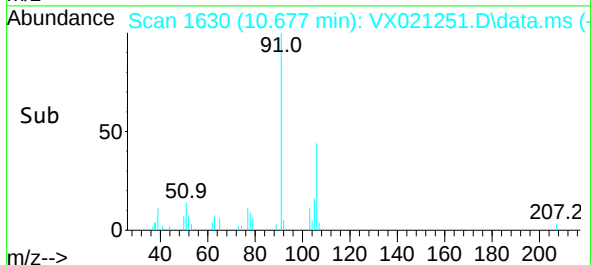
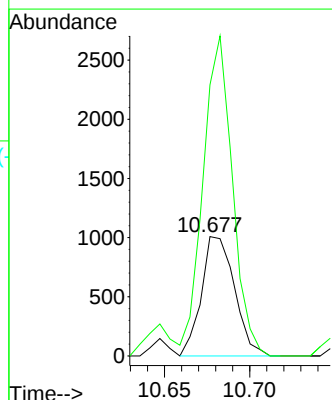
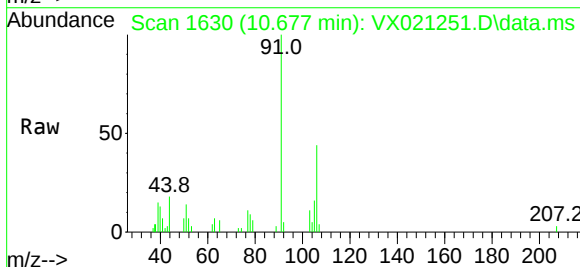
Instrument :
MSVOA_X
ClientSampled :
41739

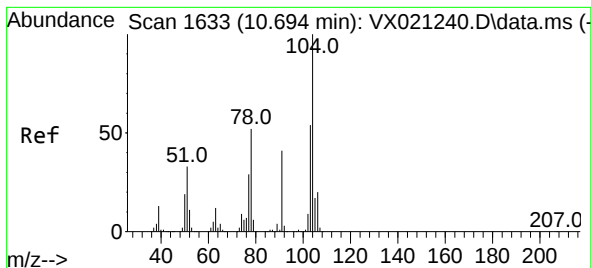
Tgt Ion:106 Resp: 3896
Ion Ratio Lower Upper
106 100
91 216.8 162.8 244.2



#69
o-Xylene
Concen: 0.91 ug/l
RT: 10.677 min Scan# 1630
Delta R.T. -0.006 min
Lab File: VX021251.D
Acq: 16 Mar 2021 17:57

Tgt Ion:106 Resp: 1366
Ion Ratio Lower Upper
106 100
91 237.3 108.1 324.2





#70

Styrene

Concen: 0.32 ug/l

RT: 10.694 min Scan# 1633

Delta R.T. 0.000 min

Lab File: VX021251.D

Acq: 16 Mar 2021 17:57

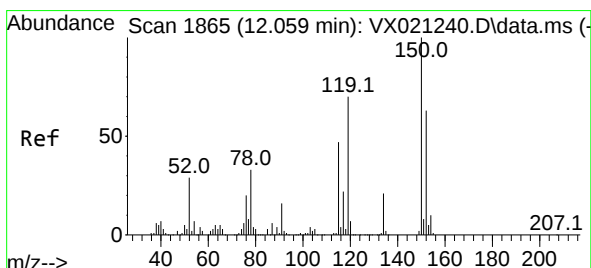
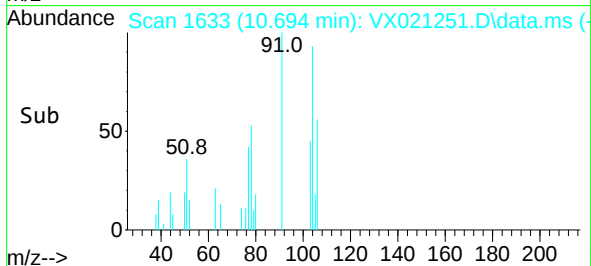
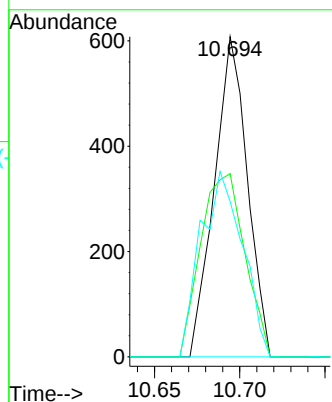
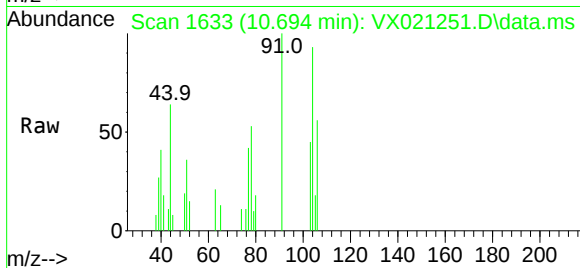
Instrument :

MSVOA_X

ClientSampled :

41739

Tgt Ion:104	Resp:	818
Ion Ratio	Lower	Upper
104	100	
78	76.7	40.0 60.0#
103	73.6	43.4 65.0#



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

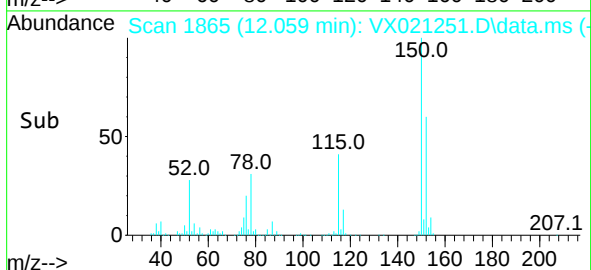
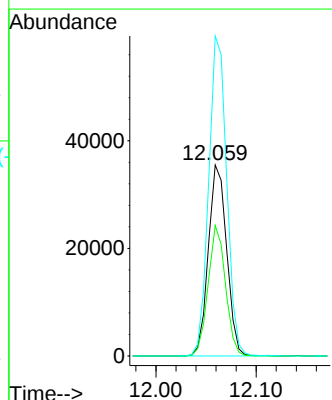
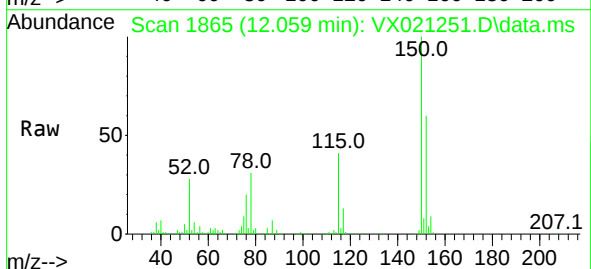
RT: 12.059 min Scan# 1865

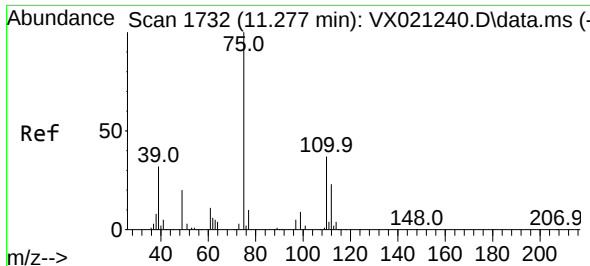
Delta R.T. 0.000 min

Lab File: VX021251.D

Acq: 16 Mar 2021 17:57

Tgt Ion:152	Resp:	45113
Ion Ratio	Lower	Upper
152	100	
115	64.7	41.1 123.3
150	164.1	0.0 349.0

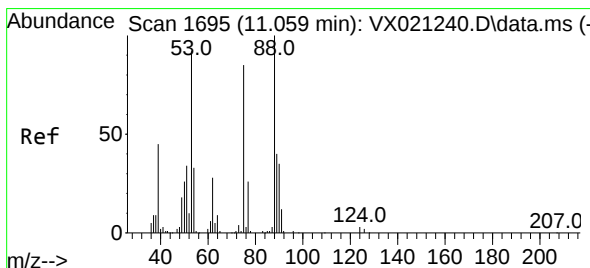
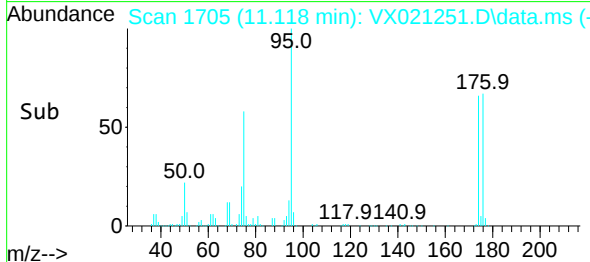
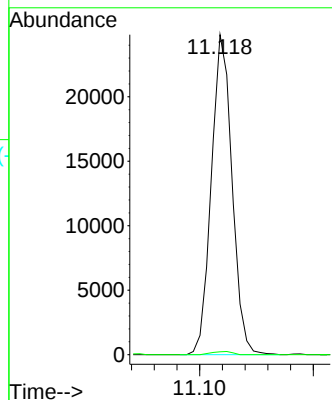
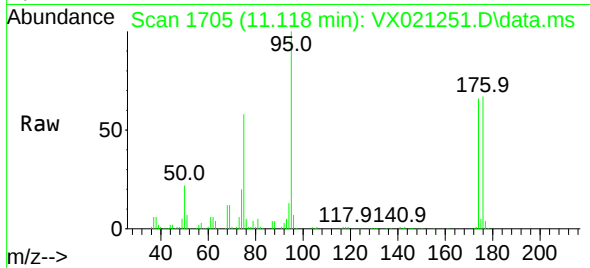




#76
1,2,3-Trichloropropane
Concen: 30.07 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021251.D
Acq: 16 Mar 2021 17:57

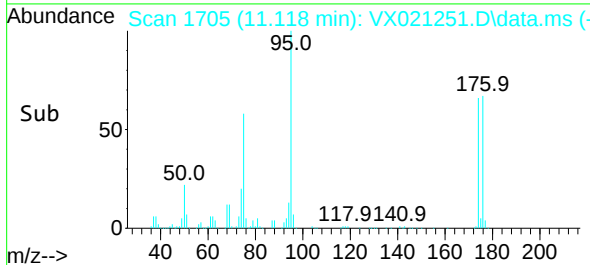
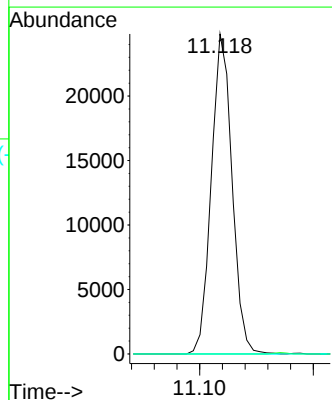
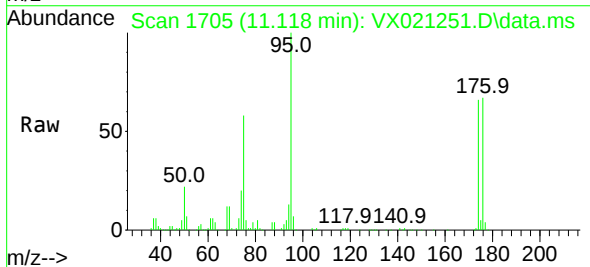
Instrument :
MSVOA_X
ClientSampled :
41739

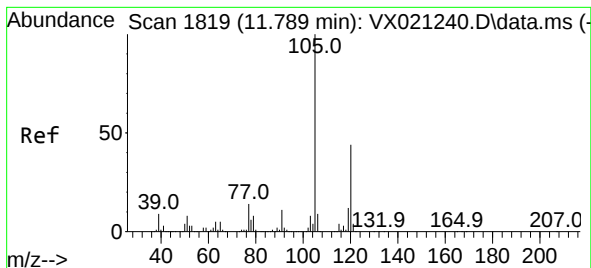
Tgt Ion: 75 Resp: 31465
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.63 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021251.D
Acq: 16 Mar 2021 17:57

Tgt Ion: 75 Resp: 31465
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

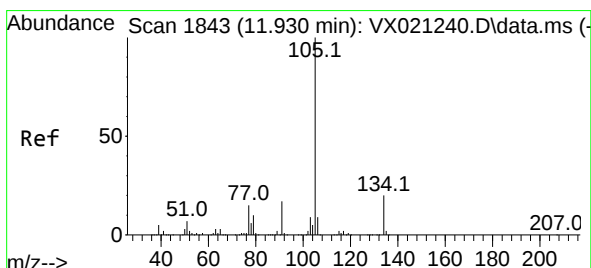
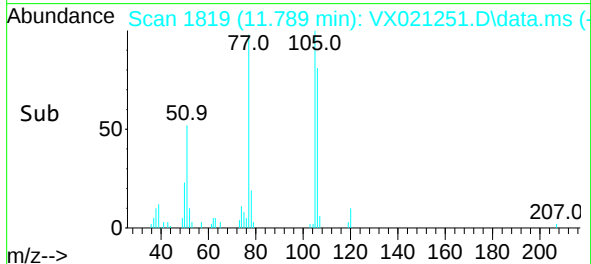
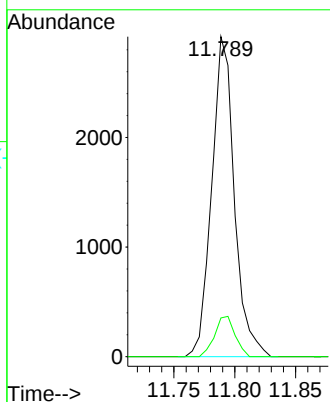
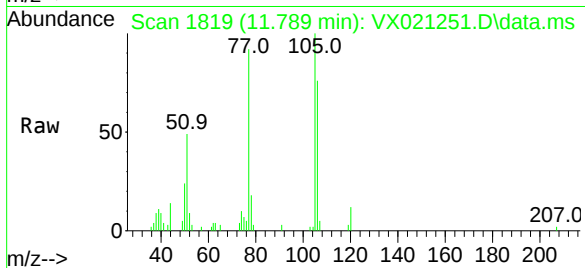




#84
1,2,4-Trimethylbenzene
Concen: 1.31 ug/l
RT: 11.789 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VX021251.D
Acq: 16 Mar 2021 17:57

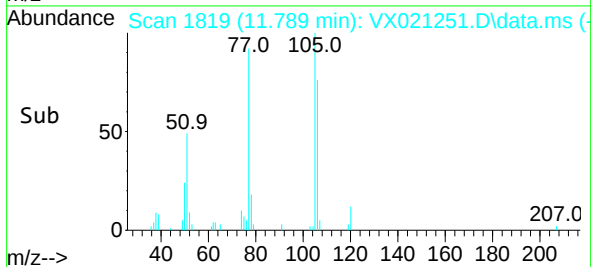
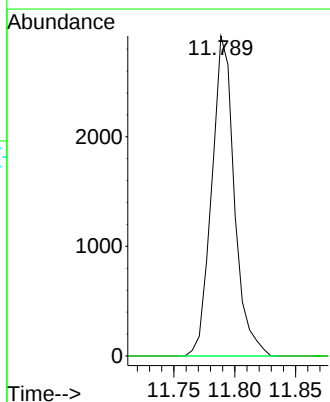
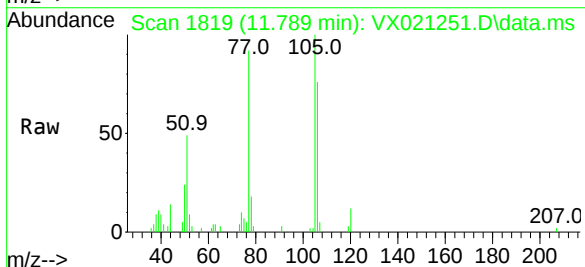
Instrument :
MSVOA_X
ClientSampled :
41739

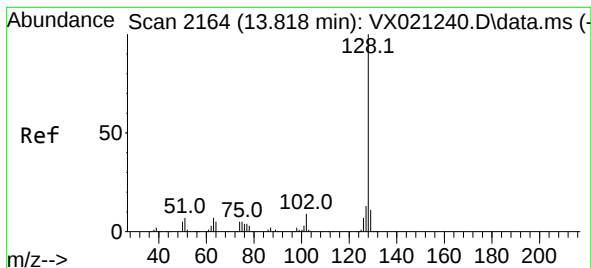
Tgt Ion:105 Resp: 3778
Ion Ratio Lower Upper
105 100
120 11.4 22.4 67.3#



#85
sec-Butylbenzene
Concen: 1.19 ug/l
RT: 11.789 min Scan# 1819
Delta R.T. -0.141 min
Lab File: VX021251.D
Acq: 16 Mar 2021 17:57

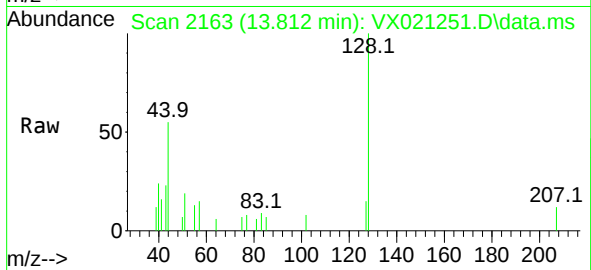
Tgt Ion:105 Resp: 3778
Ion Ratio Lower Upper
105 100
134 0.0 10.0 29.8#





#95
Naphthalene
Concen: 0.31 ug/l
RT: 13.812 min Scan# 2163
Delta R.T. -0.006 min
Lab File: VX021251.D
Acq: 16 Mar 2021 17:57

Instrument :
MSVOA_X
ClientSampleId :
41739



Tgt Ion:128 Resp: 985
Ion Ratio Lower Upper
128 100
127 11.8 10.3 15.5
129 5.4 8.8 13.2#

