

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031121\
 Data File : VX021168.D
 Acq On : 11 Mar 2021 19:55
 Operator : JC/MD
 Sample : M1647-15DL 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 12 02:24:36 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 24 13:50:55 2021
 Response via : Initial Calibration

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

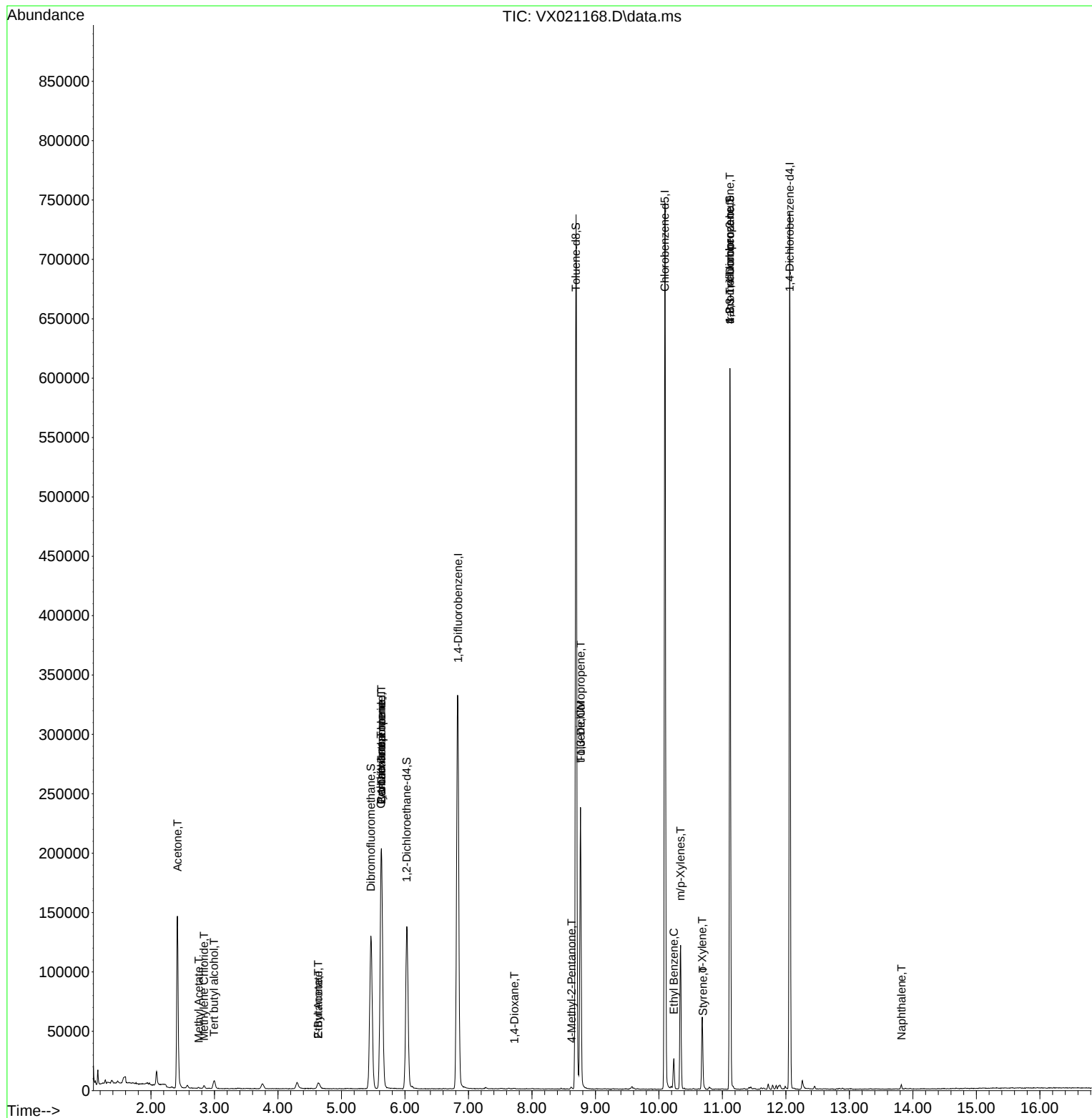
Internal Standards						
1) Pentafluorobenzene	5.629	168	199001	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.835	114	362278	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	351078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	155096	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	130543	48.57	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.14%		
35) Dibromofluoromethane	5.464	113	113464	51.55	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	103.10%		
50) Toluene-d8	8.694	98	452696	52.75	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	105.50%		
62) 4-Bromofluorobenzene	11.118	95	168429	53.07	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	106.14%		
Target Compounds						Qvalue
5) Bromomethane	1.634	94	252	Below Cal	#	64
11) Tert butyl alcohol	2.993	59	4970	8.30	ug/l #	87
16) Acetone	2.417	43	152035	137.27	ug/l	98
18) Methyl Acetate	2.752	43	1027	0.39	ug/l	99
20) Methylene Chloride	2.834	84	1139	0.43	ug/l	94
25) 2-Butanone	4.635	43	5623	3.34	ug/l	96
31) Cyclohexane	5.623	56	3917	1.01	ug/l #	1
36) 1,1-Dichloropropene	5.629	75	15322	4.45	ug/l #	48
37) Ethyl Acetate	4.635	43	5623	1.72	ug/l #	66
38) Carbon Tetrachloride	5.629	117	18925	5.67	ug/l #	16
49) 1,4-Dioxane	7.723	88	269	4.12	ug/l #	28
51) 4-Methyl-2-Pentanone	8.623	43	1135	0.35	ug/l #	80
52) Toluene	8.765	92	90443	14.07	ug/l	98
53) t-1,3-Dichloropropene	8.765	75	1014	0.25	ug/l #	1
67) Ethyl Benzene	10.235	91	14627	1.09	ug/l	93
68) m/p-Xylenes	10.341	106	30292	6.14	ug/l	97
69) o-Xylene	10.683	106	13257	2.75	ug/l	94
70) Styrene	10.694	104	3822	0.46	ug/l #	58
76) 1,2,3-Trichloropropane	11.118	75	80259	24.05	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	80259	53.26	ug/l #	12
95) Naphthalene	13.818	128	2439	0.21	ug/l	99

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022421W.M
Quant Title : SW846 8260
QLast Update : Wed Feb 24 13:50:55 2021
Response via : Initial Calibration

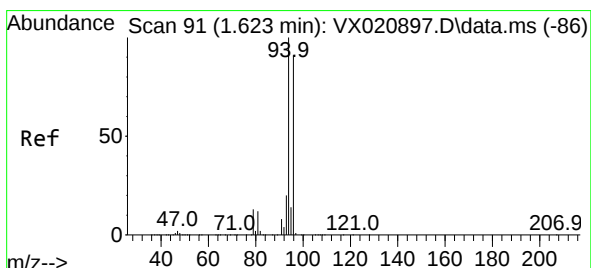
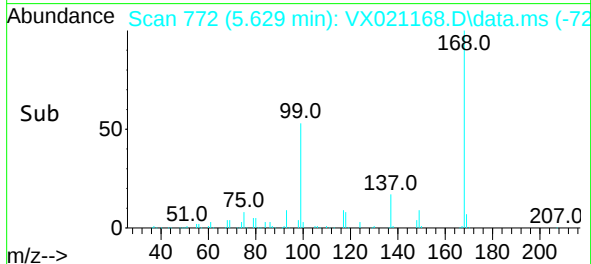
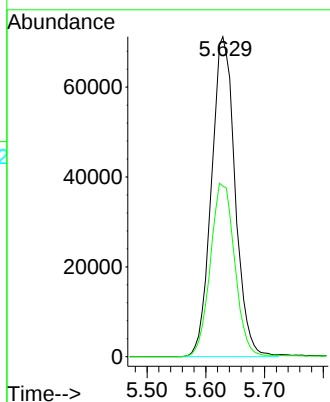
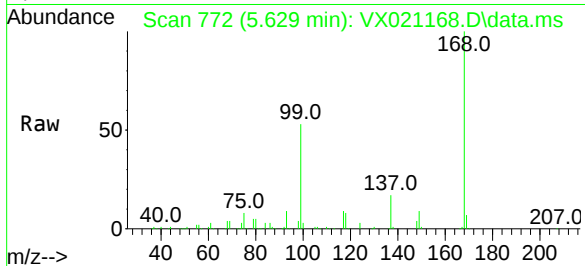




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.006 min
Lab File: VX021168.D
Acq: 11 Mar 2021 19:55

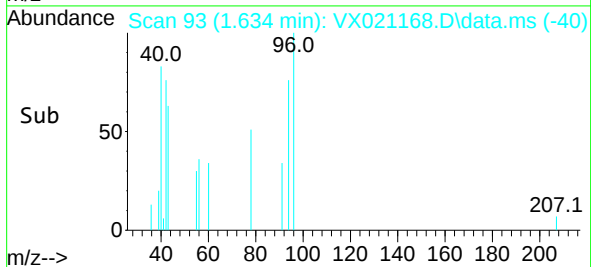
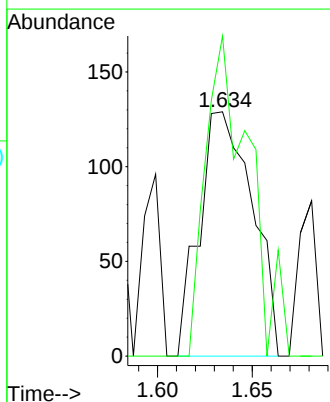
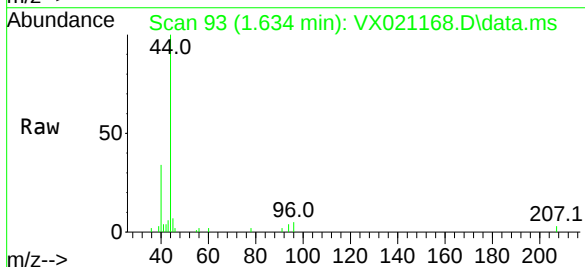
Instrument :
MSVOA_X
ClientSampled :

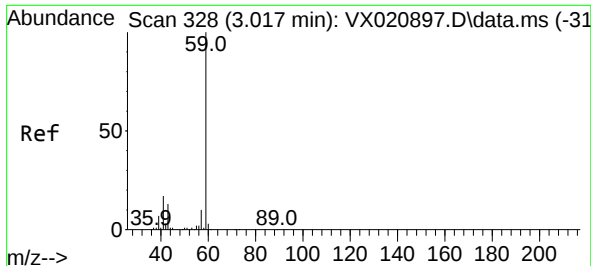
Tgt Ion:168 Resp: 199001
Ion Ratio Lower Upper
168 100
99 53.3 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.634 min Scan# 93
Delta R.T. 0.011 min
Lab File: VX021168.D
Acq: 11 Mar 2021 19:55

Tgt Ion: 94 Resp: 252
Ion Ratio Lower Upper
94 100
96 131.0 76.4 114.6#

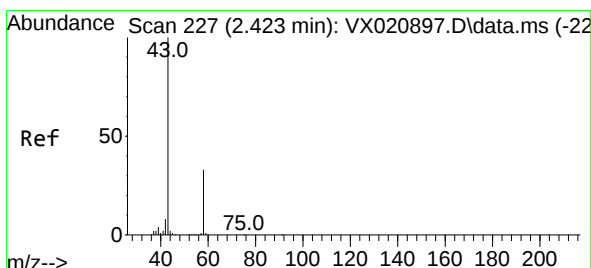
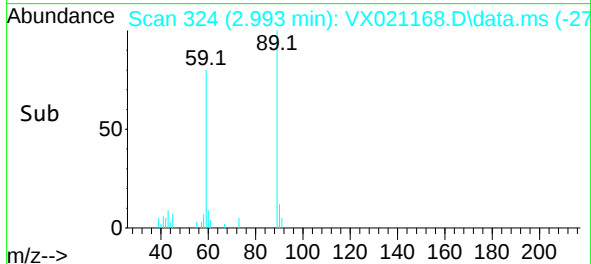
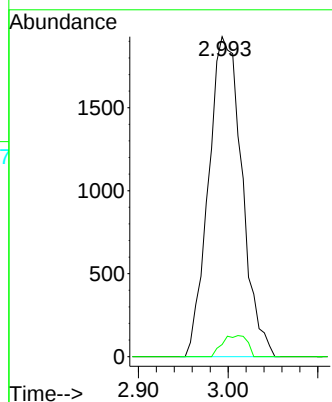
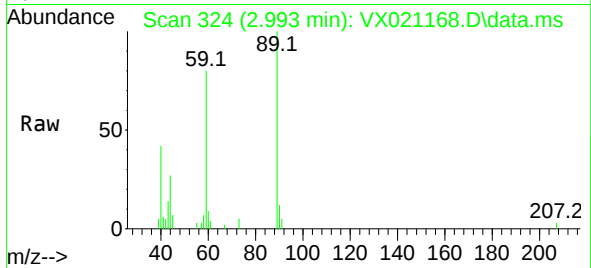




#11
Tert butyl alcohol
Concen: 8.30 ug/l
RT: 2.993 min Scan# 324
Delta R.T. -0.024 min
Lab File: VX021168.D
Acq: 11 Mar 2021 19:55

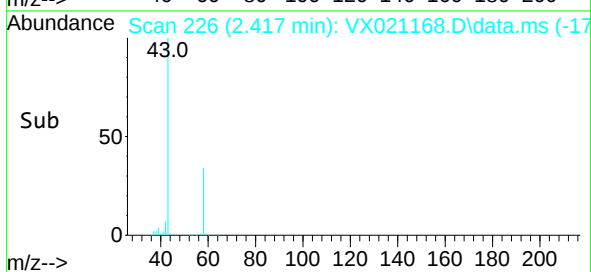
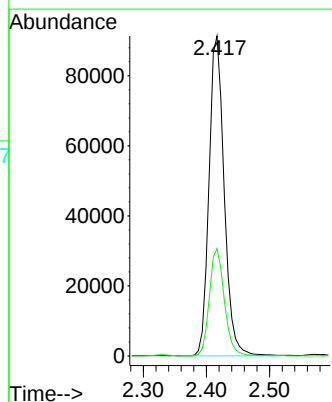
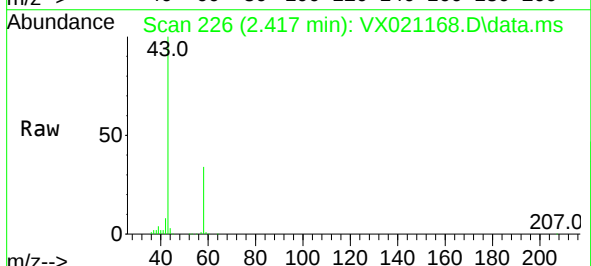
Instrument :
MSVOA_X
ClientSampled :

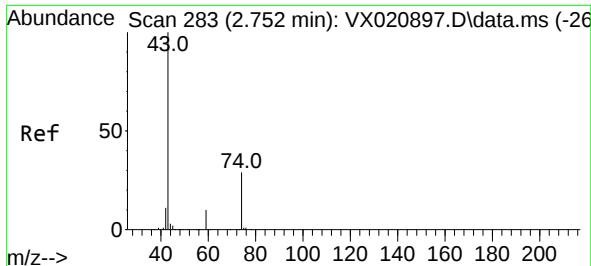
Tgt Ion: 59 Resp: 4970
Ion Ratio Lower Upper
59 100
57 4.9 7.8 11.8#



#16
Acetone
Concen: 137.27 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021168.D
Acq: 11 Mar 2021 19:55

Tgt Ion: 43 Resp: 152035
Ion Ratio Lower Upper
43 100
58 33.5 27.8 41.8

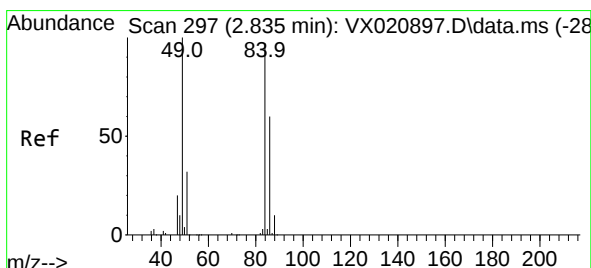
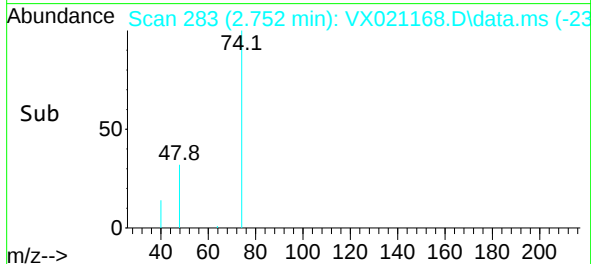
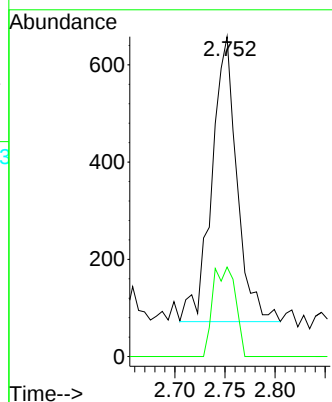
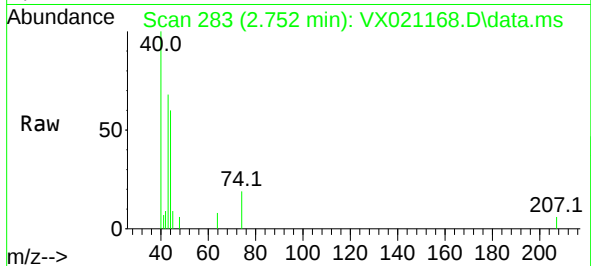




#18
Methyl Acetate
Concen: 0.39 ug/l
RT: 2.752 min Scan# 283
Delta R.T. -0.000 min
Lab File: VX021168.D
Acq: 11 Mar 2021 19:55

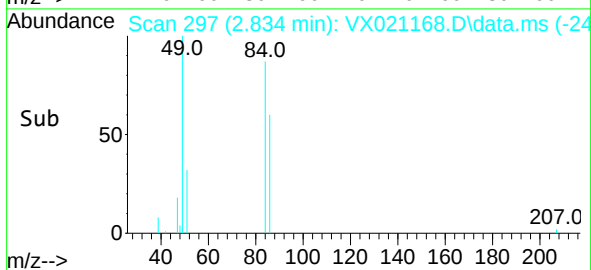
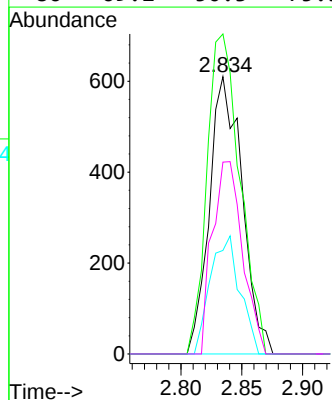
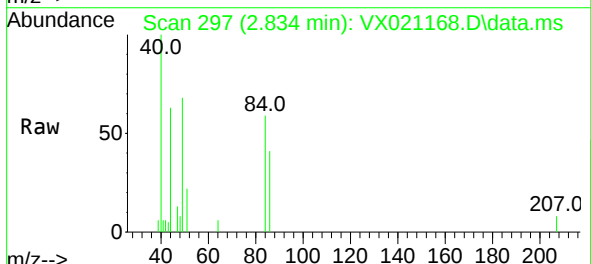
Instrument :
MSVOA_X
ClientSampled :

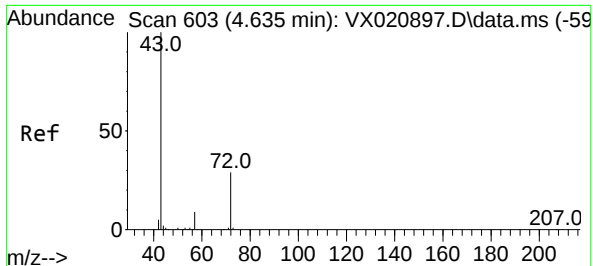
Tgt Ion: 43 Resp: 1027
Ion Ratio Lower Upper
43 100
74 28.0 21.9 32.9



#20
Methylene Chloride
Concen: 0.43 ug/l
RT: 2.834 min Scan# 297
Delta R.T. -0.000 min
Lab File: VX021168.D
Acq: 11 Mar 2021 19:55

Tgt Ion: 84 Resp: 1139
Ion Ratio Lower Upper
84 100
49 115.4 88.6 132.8
51 37.4 27.0 40.6
86 69.2 50.3 75.5





#25

2-Butanone

Concen: 3.34 ug/l

RT: 4.635 min Scan# 603

Delta R.T. -0.000 min

Lab File: VX021168.D

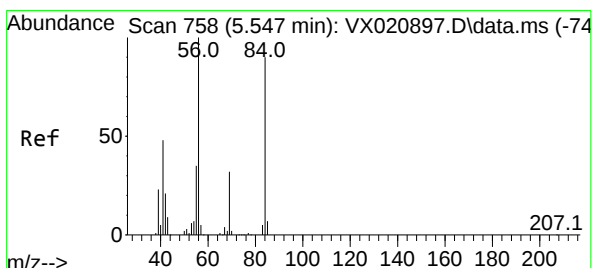
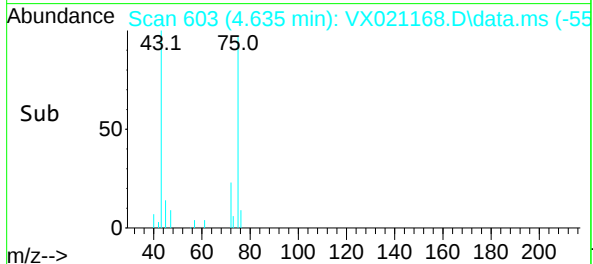
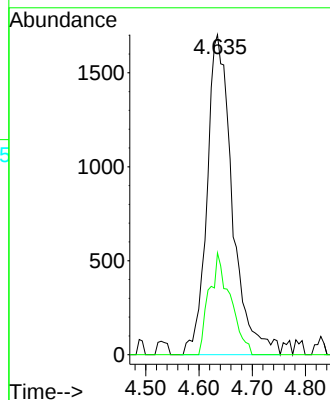
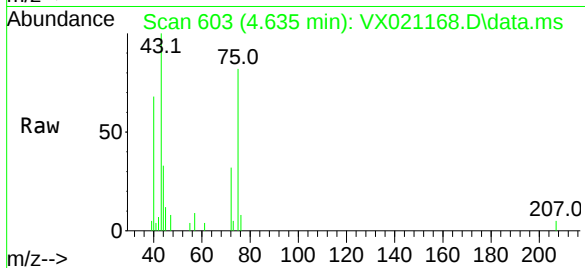
Acq: 11 Mar 2021 19:55

Tgt Ion: 43 Resp: 5623

Ion Ratio Lower Upper

43 100

72 31.8 23.7 35.5



#31

Cyclohexane

Concen: 1.01 ug/l

RT: 5.623 min Scan# 771

Delta R.T. 0.076 min

Lab File: VX021168.D

Acq: 11 Mar 2021 19:55

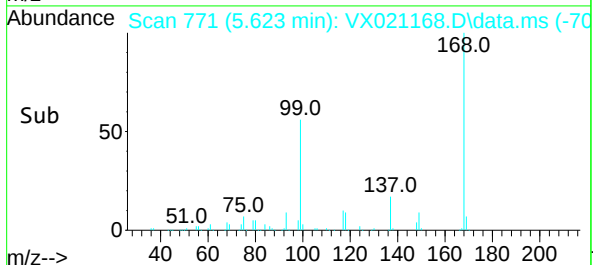
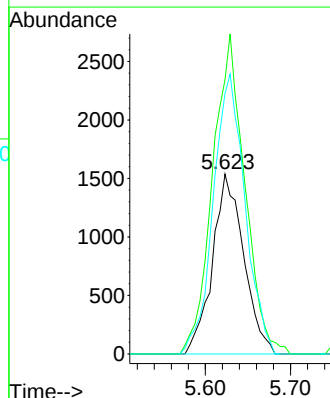
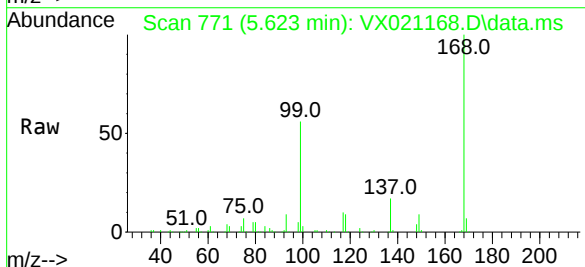
Tgt Ion: 56 Resp: 3917

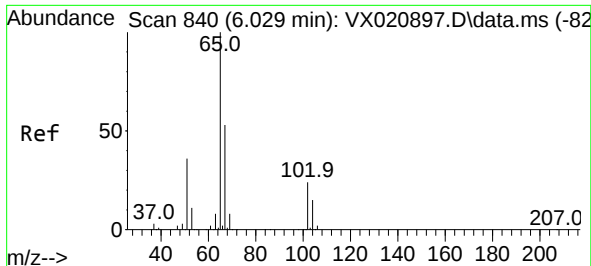
Ion Ratio Lower Upper

56 100

69 152.4 25.3 37.9#

84 144.9 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 48.57 ug/l

RT: 6.029 min Scan# 840

Delta R.T. -0.000 min

Lab File: VX021168.D

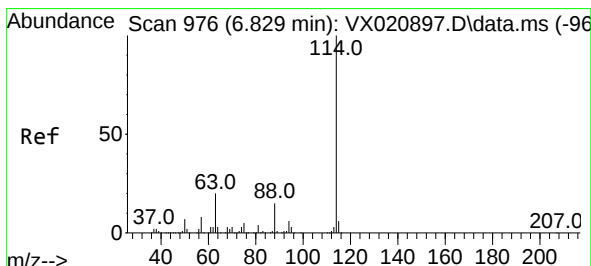
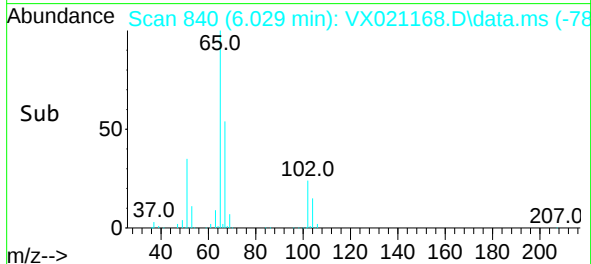
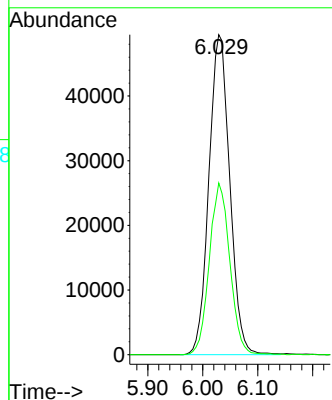
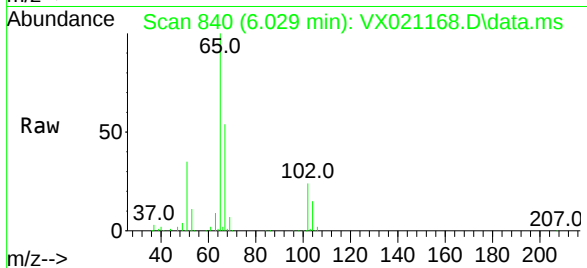
Acq: 11 Mar 2021 19:55

Tgt Ion: 65 Resp: 130543

Ion Ratio Lower Upper

65 100

67 52.8 0.0 105.4



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.835 min Scan# 977

Delta R.T. 0.006 min

Lab File: VX021168.D

Acq: 11 Mar 2021 19:55

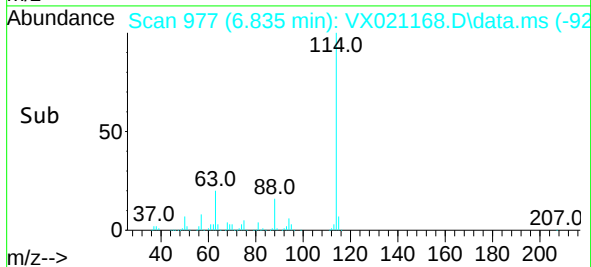
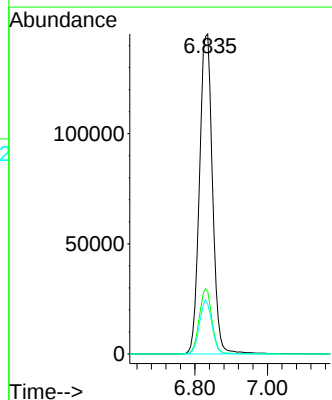
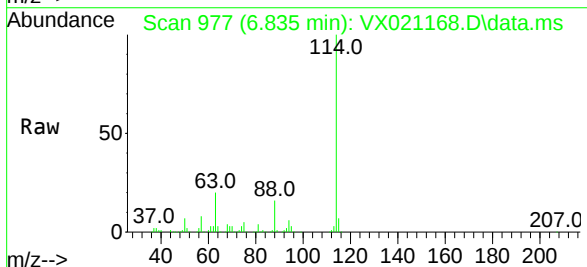
Tgt Ion: 114 Resp: 362278

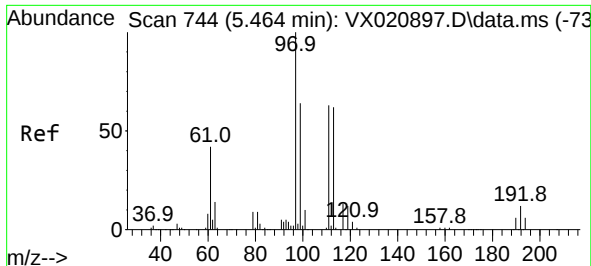
Ion Ratio Lower Upper

114 100

63 19.5 0.0 40.8

88 15.6 0.0 32.8

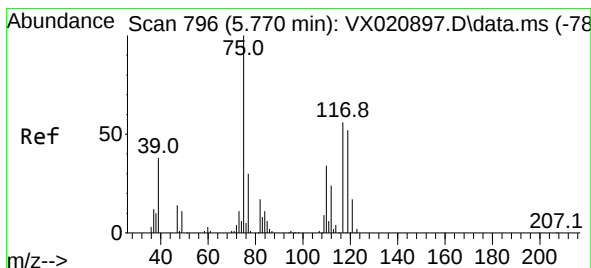
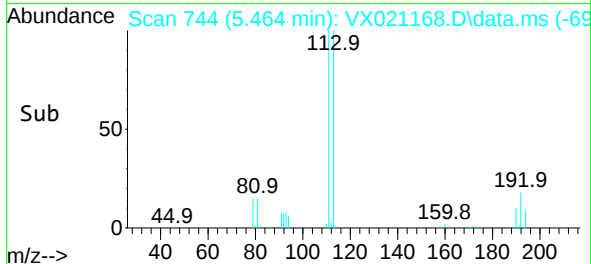
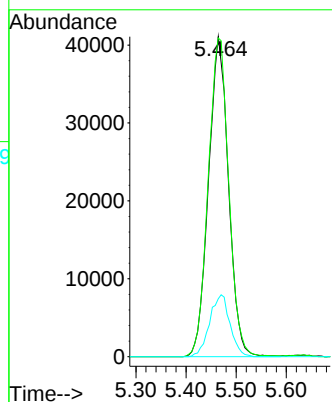
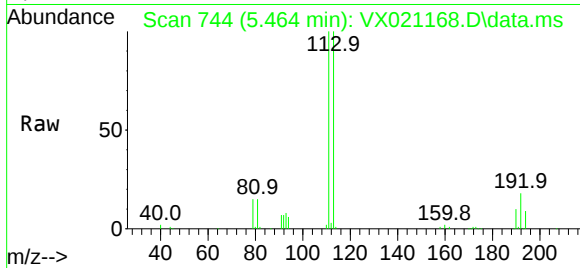




#35
Dibromofluoromethane
Concen: 51.55 ug/l
RT: 5.464 min Scan# 744
Delta R.T. -0.000 min
Lab File: VX021168.D
Acq: 11 Mar 2021 19:55

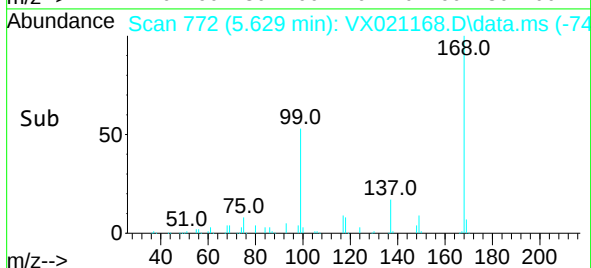
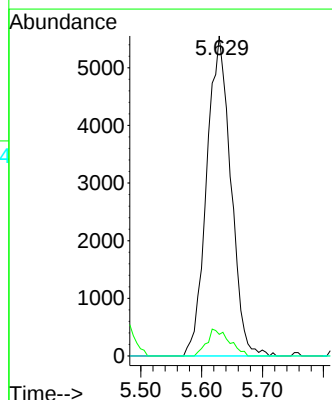
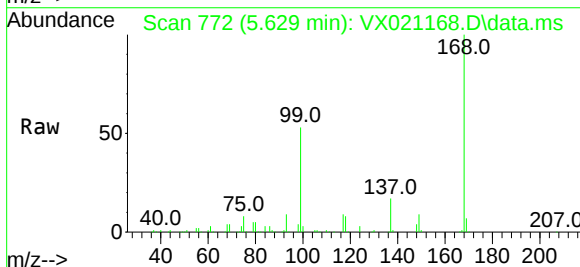
Instrument :
MSVOA_X
ClientSampleId :

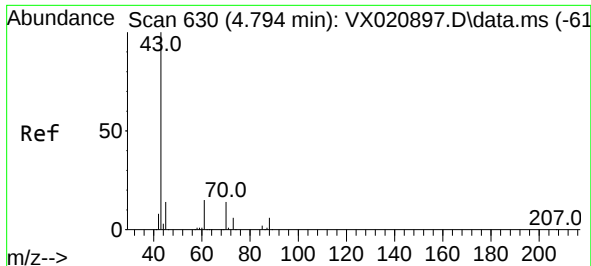
Tgt Ion:113 Resp: 113464
Ion Ratio Lower Upper
113 100
111 102.6 81.9 122.9
192 19.8 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.45 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.141 min
Lab File: VX021168.D
Acq: 11 Mar 2021 19:55

Tgt Ion: 75 Resp: 15322
Ion Ratio Lower Upper
75 100
110 7.7 18.1 54.4#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 1.72 ug/l

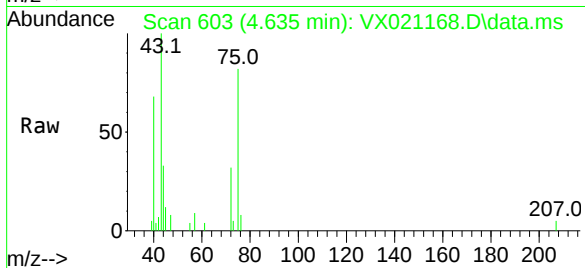
RT: 4.635 min Scan# 603

Delta R.T. -0.159 min

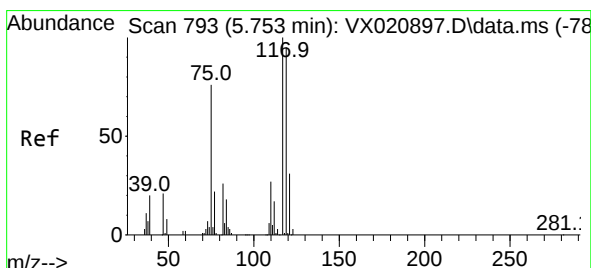
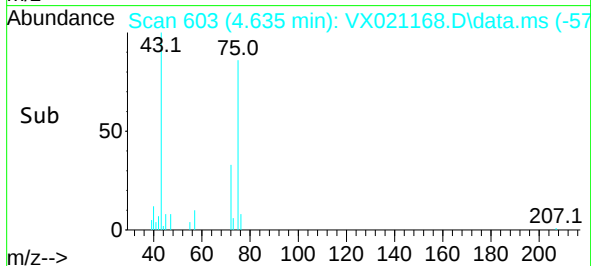
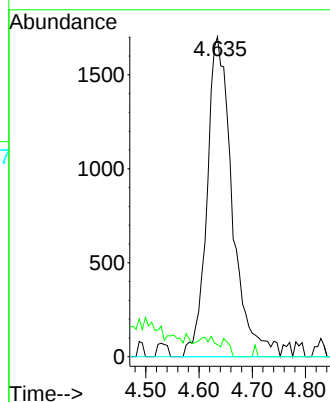
Lab File: VX021168.D

Acq: 11 Mar 2021 19:55

Instrument :
MSVOA_X
ClientSampled :



Tgt Ion:	43	Resp:	5623
Ion	Ratio	Lower	Upper
43	100		
61	1.5	12.8	19.2#
70	0.0	10.5	15.7#



#38

Carbon Tetrachloride

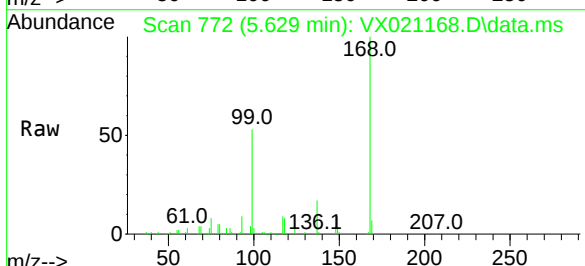
Concen: 5.67 ug/l

RT: 5.629 min Scan# 772

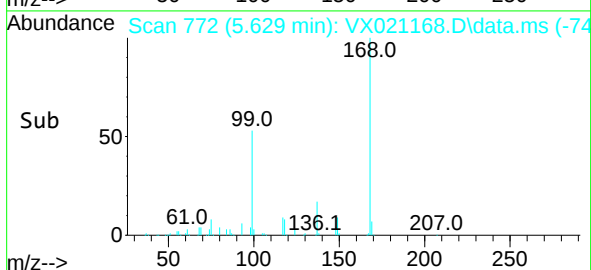
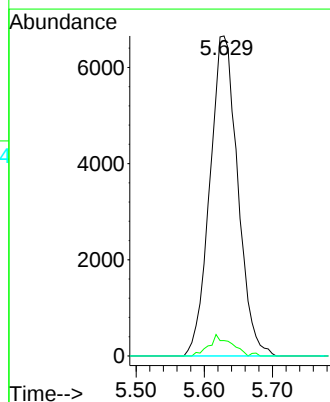
Delta R.T. -0.124 min

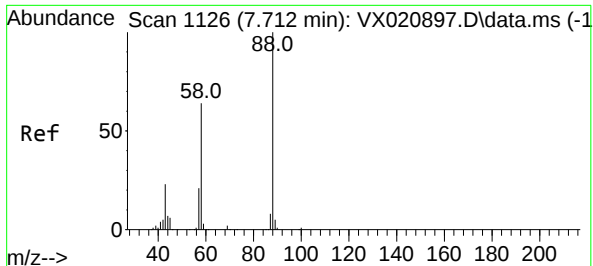
Lab File: VX021168.D

Acq: 11 Mar 2021 19:55



Tgt Ion:	117	Resp:	18925
Ion	Ratio	Lower	Upper
117	100		
119	4.8	76.2	114.2#
121	0.0	24.8	37.2#





#49

1,4-Dioxane

Concen: 4.12 ug/l

RT: 7.723 min Scan# 1128

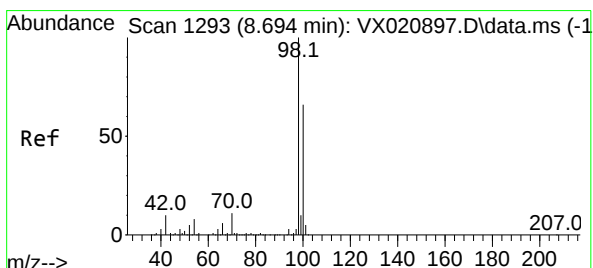
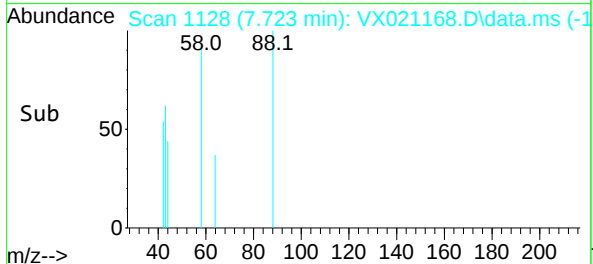
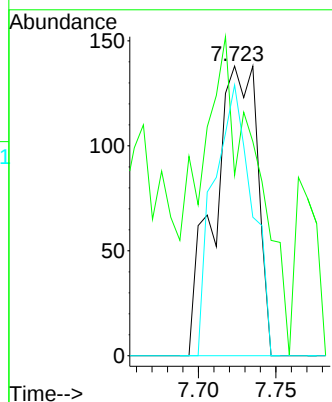
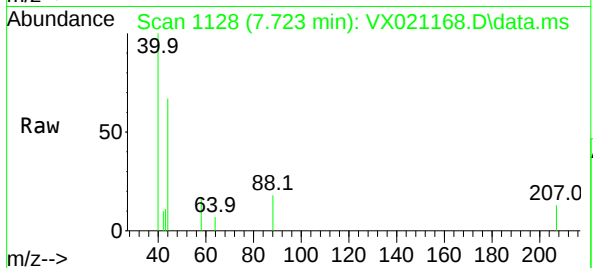
Delta R.T. 0.012 min

Lab File: VX021168.D

Acq: 11 Mar 2021 19:55

Tgt Ion: 88 Resp: 269

Ion	Ratio	Lower	Upper
88	100		
43	137.5	23.2	34.8#
58	82.2	55.0	82.4



#50

Toluene-d8

Concen: 52.75 ug/l

RT: 8.694 min Scan# 1293

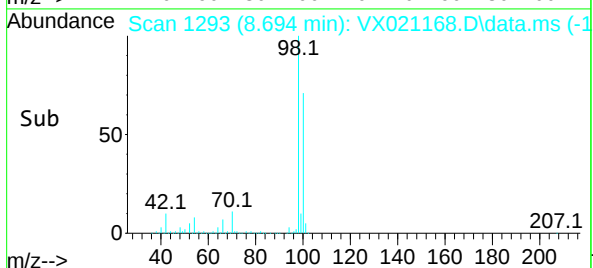
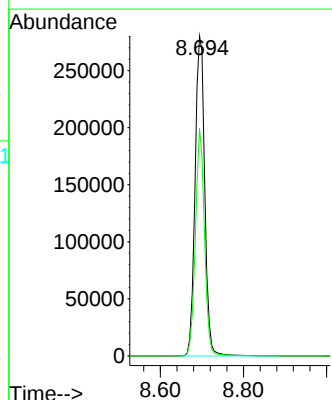
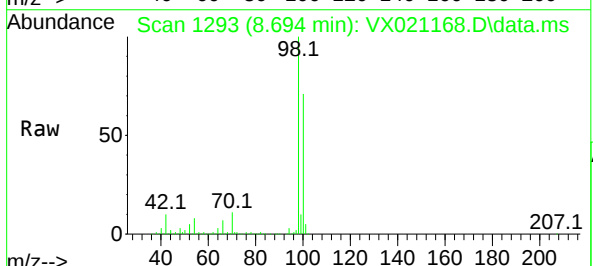
Delta R.T. -0.000 min

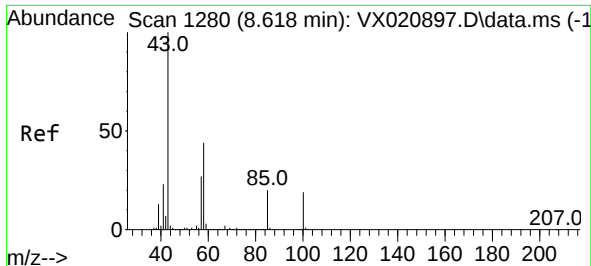
Lab File: VX021168.D

Acq: 11 Mar 2021 19:55

Tgt Ion: 98 Resp: 452696

Ion	Ratio	Lower	Upper
98	100		
100	66.8	51.9	77.9

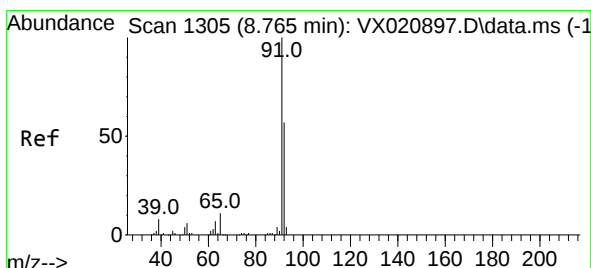
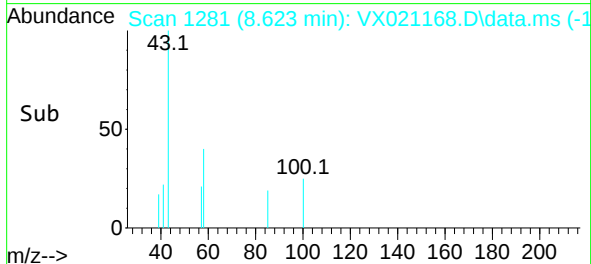
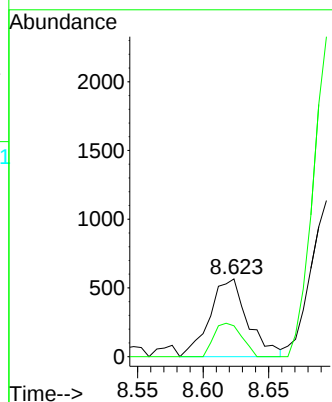
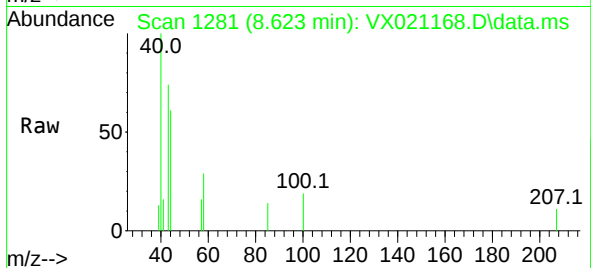




#51
4-Methyl-2-Pentanone
Concen: 0.35 ug/l
RT: 8.623 min Scan# 1281
Delta R.T. 0.006 min
Lab File: VX021168.D
Acq: 11 Mar 2021 19:55

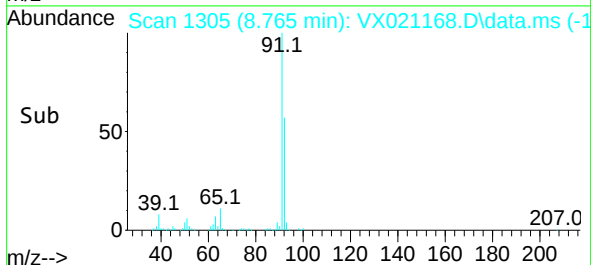
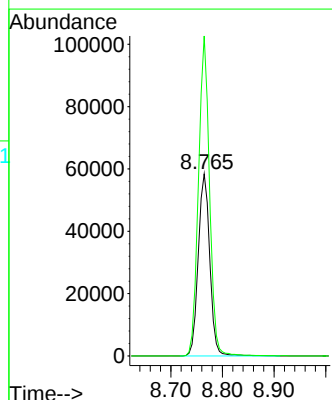
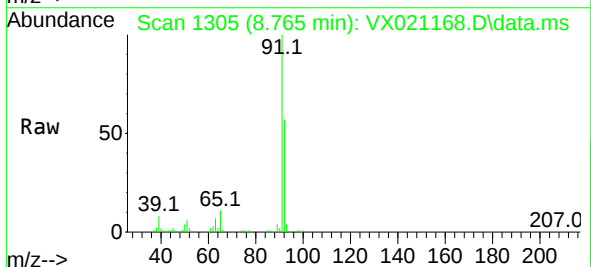
Instrument :
MSVOA_X
ClientSampled :

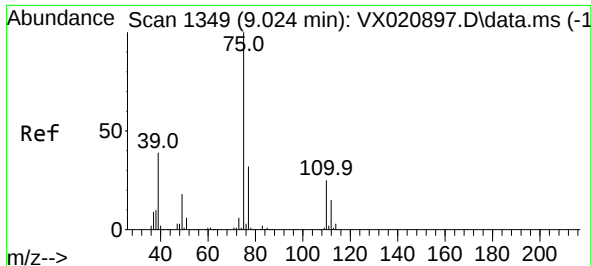
Tgt Ion: 43 Resp: 1135
Ion Ratio Lower Upper
43 100
58 31.5 35.4 53.0#



#52
Toluene
Concen: 14.07 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VX021168.D
Acq: 11 Mar 2021 19:55

Tgt Ion: 92 Resp: 90443
Ion Ratio Lower Upper
92 100
91 168.9 137.1 205.7

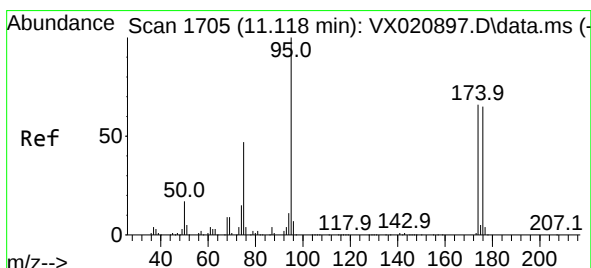
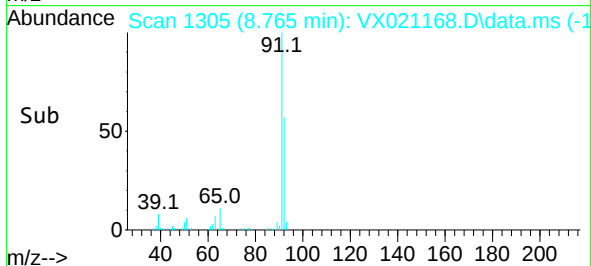
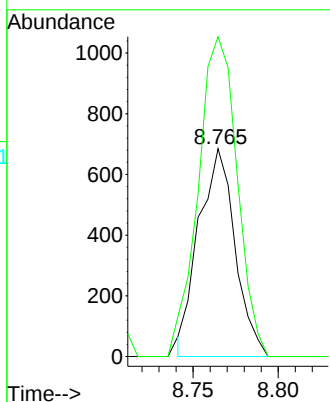
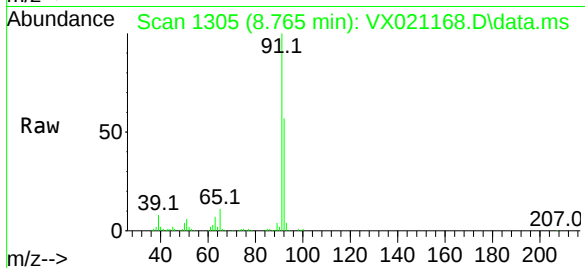




#53
t-1,3-Dichloropropene
Concen: 0.25 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.259 min
Lab File: VX021168.D
Acq: 11 Mar 2021 19:55

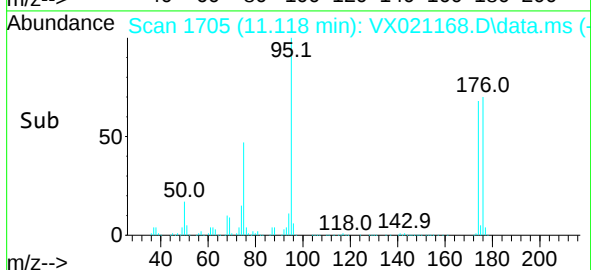
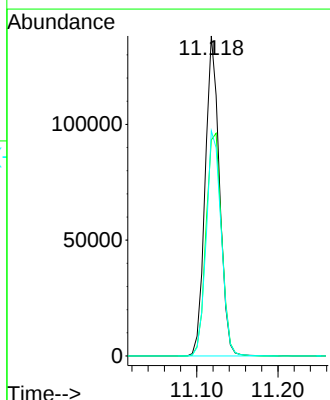
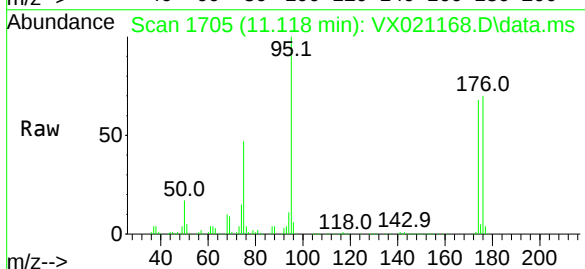
Instrument :
MSVOA_X
ClientSampled :

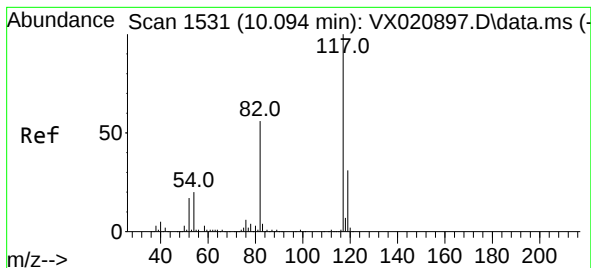
Tgt Ion: 75 Resp: 1014
Ion Ratio Lower Upper
75 100
77 153.9 24.9 37.3#



#62
4-Bromofluorobenzene
Concen: 53.07 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021168.D
Acq: 11 Mar 2021 19:55

Tgt Ion: 95 Resp: 168429
Ion Ratio Lower Upper
95 100
174 75.9 0.0 154.6
176 73.4 0.0 155.8

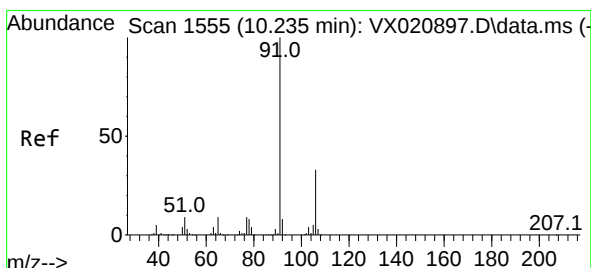
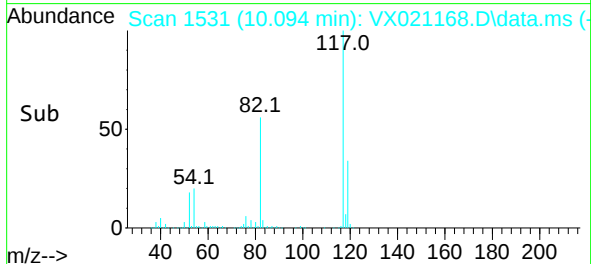
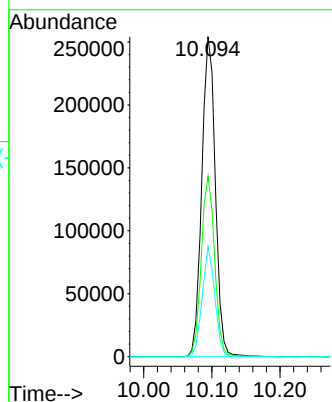
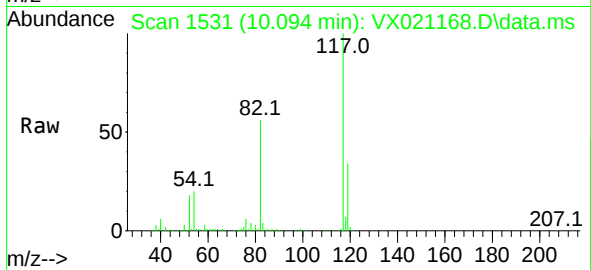




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021168.D
Acq: 11 Mar 2021 19:55

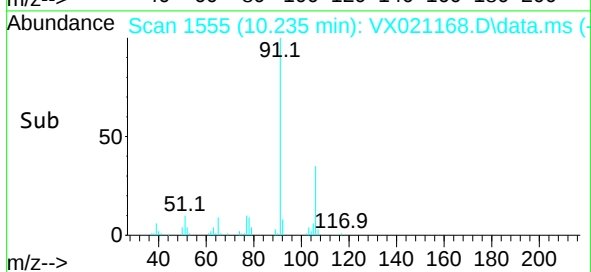
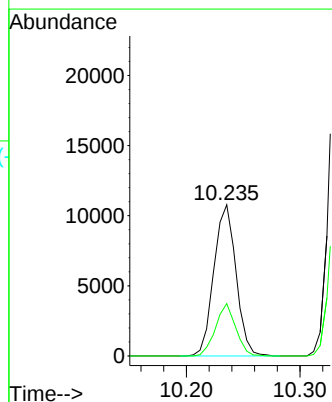
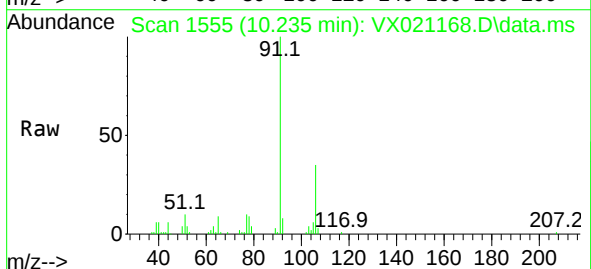
Instrument :
MSVOA_X
ClientSampled :

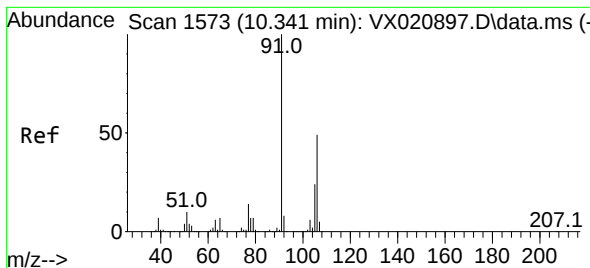
Tgt Ion:117 Resp: 351078
Ion Ratio Lower Upper
117 100
82 56.3 47.4 71.2
119 34.3 26.6 39.8



#67
Ethyl Benzene
Concen: 1.09 ug/l
RT: 10.235 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VX021168.D
Acq: 11 Mar 2021 19:55

Tgt Ion: 91 Resp: 14627
Ion Ratio Lower Upper
91 100
106 34.6 24.6 37.0

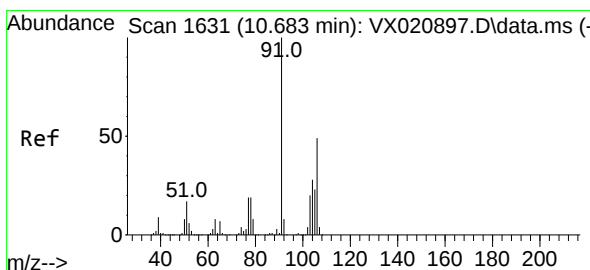
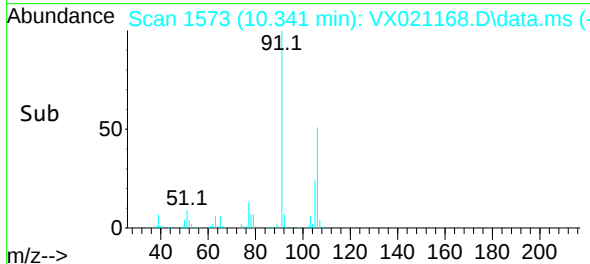
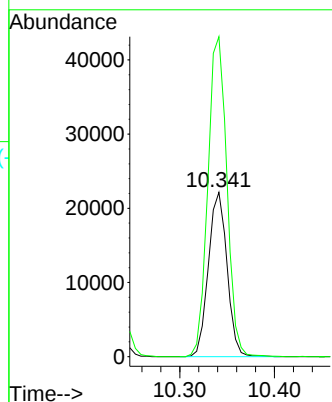
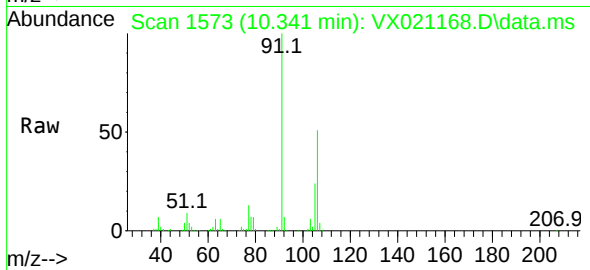




#68
m/p-Xylenes
Concen: 6.14 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. -0.000 min
Lab File: VX021168.D
Acq: 11 Mar 2021 19:55

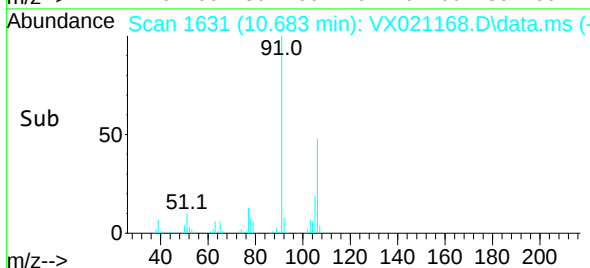
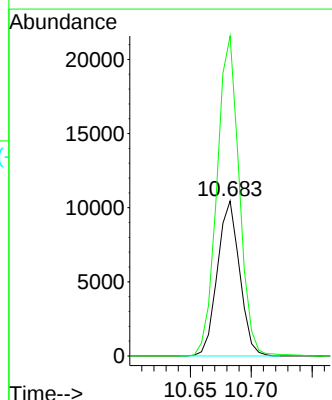
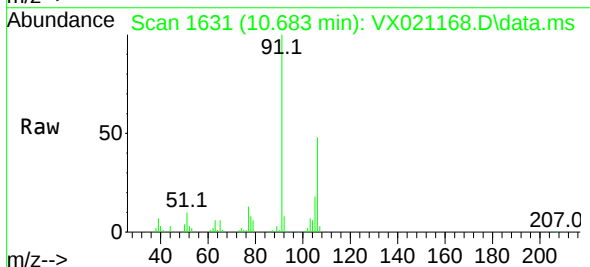
Instrument :
MSVOA_X
ClientSampled :

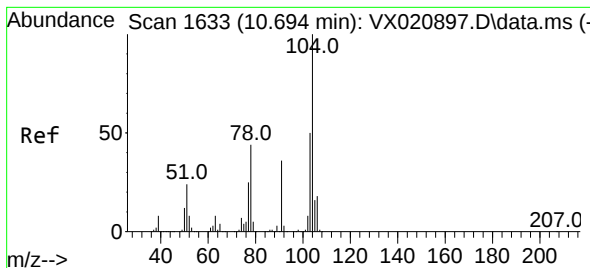
Tgt Ion:106 Resp: 30292
Ion Ratio Lower Upper
106 100
91 198.2 162.8 244.2



#69
o-Xylene
Concen: 2.75 ug/l
RT: 10.683 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VX021168.D
Acq: 11 Mar 2021 19:55

Tgt Ion:106 Resp: 13257
Ion Ratio Lower Upper
106 100
91 207.3 108.1 324.2





#70

Styrene

Concen: 0.46 ug/l

RT: 10.694 min Scan# 1633

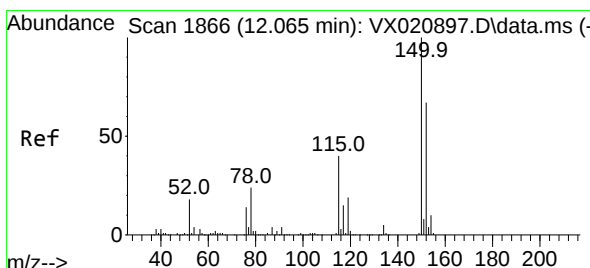
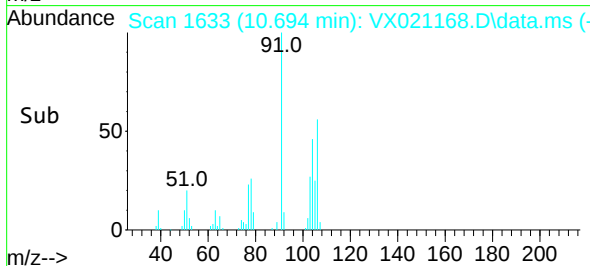
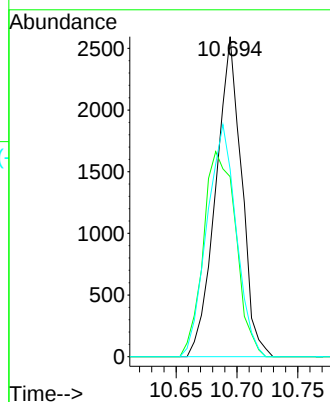
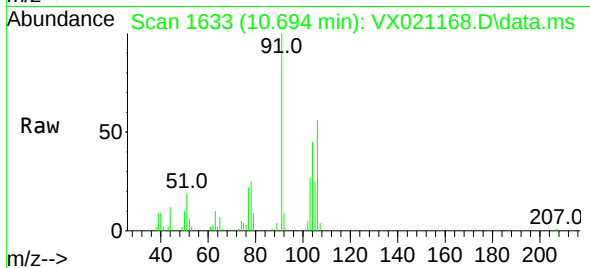
Delta R.T. -0.000 min

Lab File: VX021168.D

Acq: 11 Mar 2021 19:55

Tgt Ion:	104	Resp:	3822
Ion Ratio	Lower	Upper	
104	100		
78	80.8	40.0	60.0#
103	82.4	43.4	65.0#

Instrument :
MSVOA_X
ClientSampled :



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

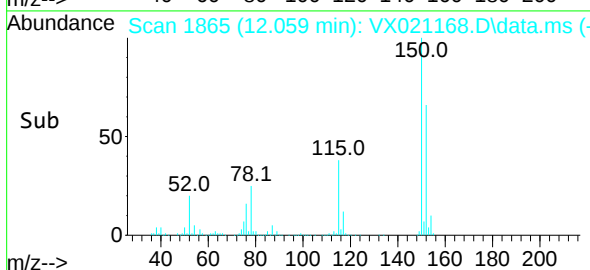
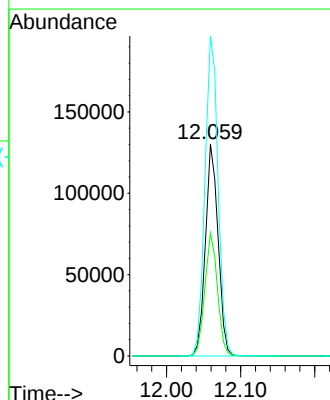
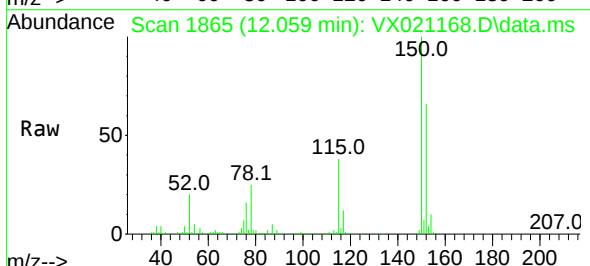
RT: 12.059 min Scan# 1865

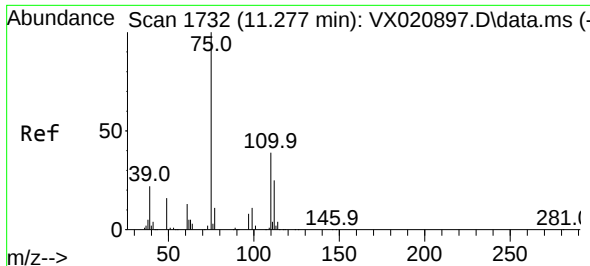
Delta R.T. -0.006 min

Lab File: VX021168.D

Acq: 11 Mar 2021 19:55

Tgt Ion:	152	Resp:	155096
Ion Ratio	Lower	Upper	
152	100		
115	57.8	41.1	123.3
150	155.7	0.0	349.0

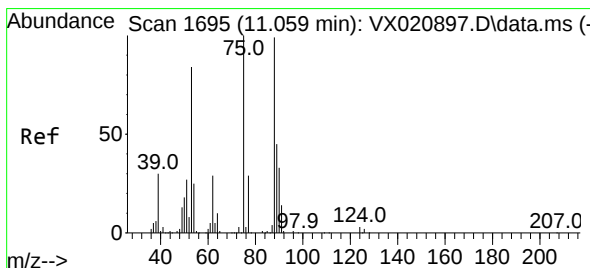
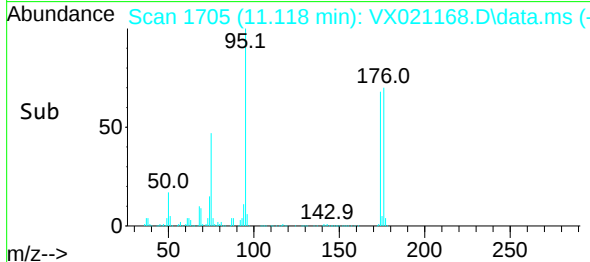
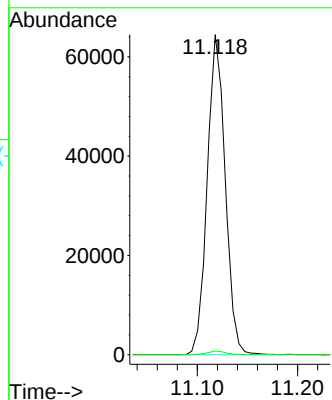
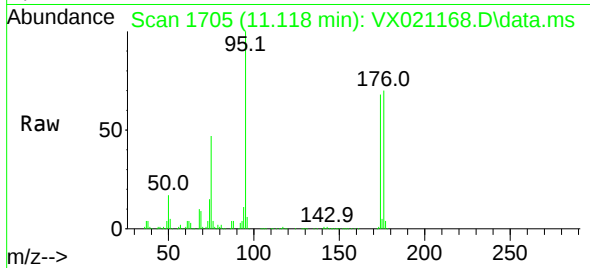




#76
1,2,3-Trichloropropane
Concen: 24.05 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021168.D
Acq: 11 Mar 2021 19:55

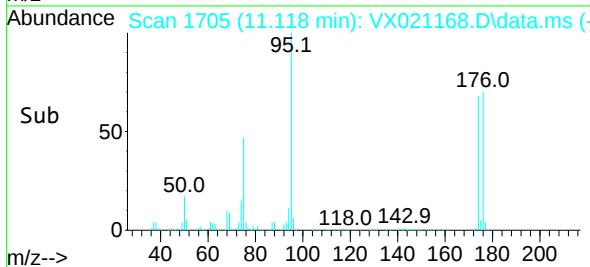
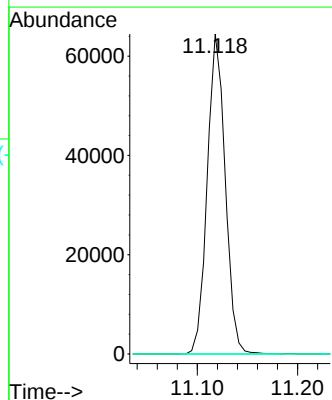
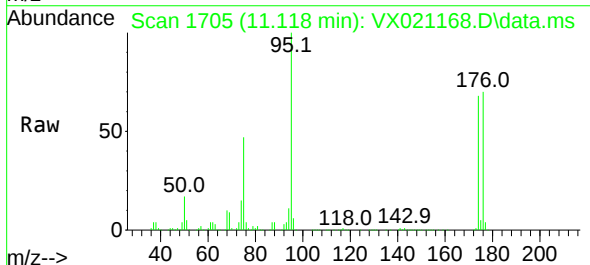
Instrument :
MSVOA_X
ClientSampled :

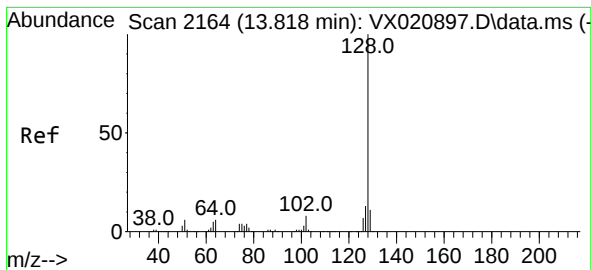
Tgt Ion: 75 Resp: 80259
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.26 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021168.D
Acq: 11 Mar 2021 19:55

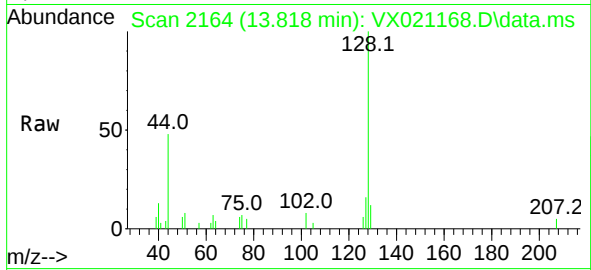
Tgt Ion: 75 Resp: 80259
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 0.21 ug/l
RT: 13.818 min Scan# 2164
Delta R.T. -0.000 min
Lab File: VX021168.D
Acq: 11 Mar 2021 19:55

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 2439
Ion Ratio Lower Upper
128 100
127 13.3 10.3 15.5
129 10.9 8.8 13.2

