

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031121\
 Data File : VX021169.D
 Acq On : 11 Mar 2021 20:18
 Operator : JC/MD
 Sample : M1647-16DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Mar 12 02:24:54 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)

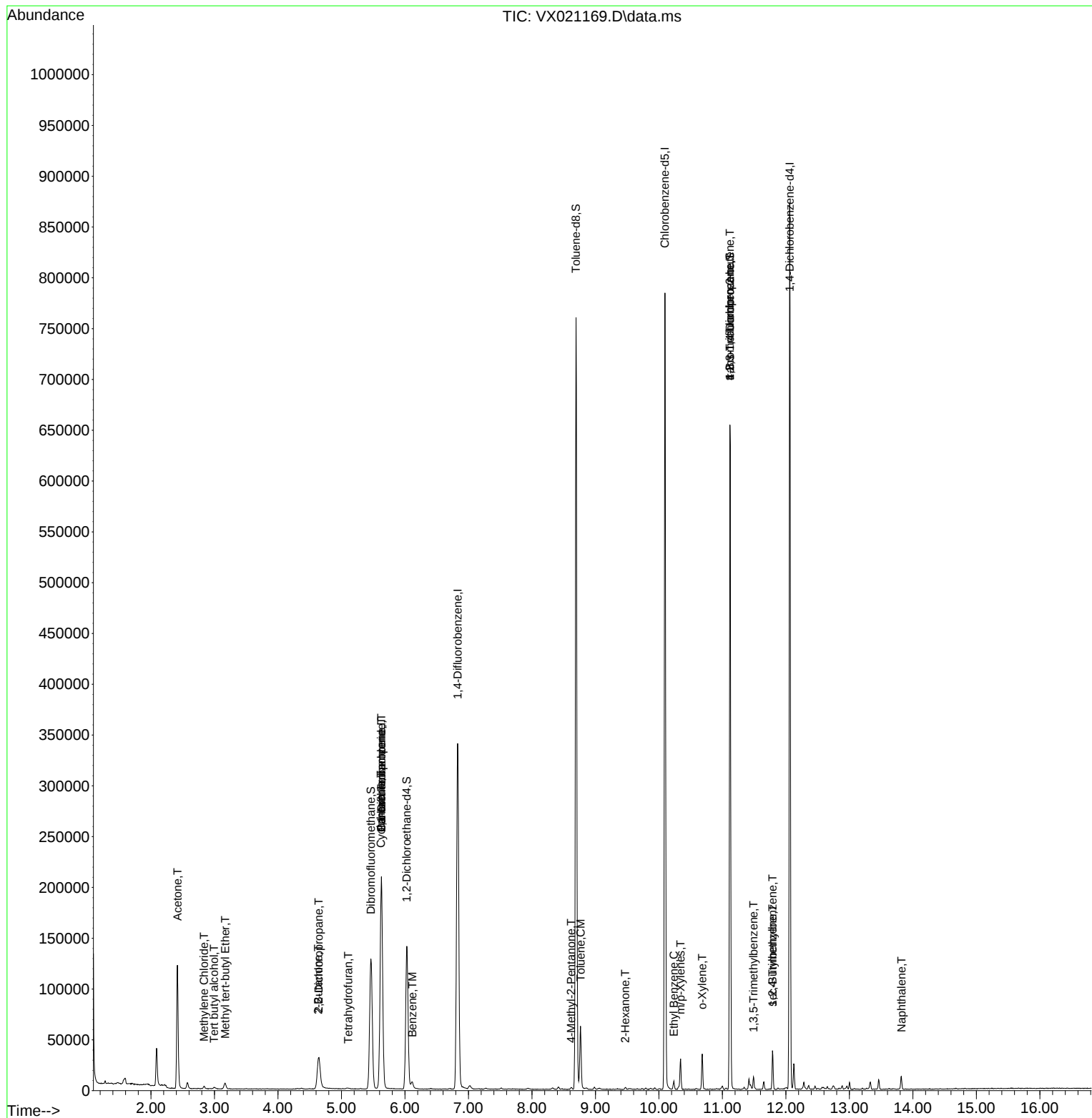
Internal Standards						
1) Pentafluorobenzene	5.629	168	199637	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	362256	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	370047	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	183659	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	131945	48.93	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.86%		
35) Dibromofluoromethane	5.464	113	115670	52.55	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	105.10%		
50) Toluene-d8	8.694	98	459511	53.54	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	107.08%		
62) 4-Bromofluorobenzene	11.118	95	183088	57.70	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	115.40%		
Target Compounds					Qvalue	
5) Bromomethane	1.634	94	195	Below Cal		91
11) Tert butyl alcohol	2.993	59	1154	1.92 ug/l #		73
16) Acetone	2.417	43	124543	112.09 ug/l		97
19) Methyl tert-butyl Ether	3.170	73	6520	0.82 ug/l		96
20) Methylene Chloride	2.834	84	1068	0.40 ug/l #		87
25) 2-Butanone	4.635	43	4626	2.74 ug/l		96
26) 2,2-Dichloropropane	4.641	77	2512	0.64 ug/l #		52
29) Tetrahydrofuran	5.105	42	532	0.49 ug/l #		82
31) Cyclohexane	5.623	56	3944	1.01 ug/l #		1
36) 1,1-Dichloropropene	5.629	75	16234	4.71 ug/l #		47
38) Carbon Tetrachloride	5.629	117	19683	5.90 ug/l #		16
40) Benzene	6.117	78	7654	0.74 ug/l		99
51) 4-Methyl-2-Pentanone	8.618	43	1351	0.42 ug/l #		84
52) Toluene	8.765	92	22736	3.54 ug/l		100
59) 2-Hexanone	9.471	43	1266	0.52 ug/l		81
67) Ethyl Benzene	10.235	91	4341	0.31 ug/l		99
68) m/p-Xylenes	10.341	106	7044	1.35 ug/l		93
69) o-Xylene	10.683	106	7701	1.52 ug/l		92
76) 1,2,3-Trichloropropane	11.118	75	87690	22.19 ug/l #		39
80) 1,3,5-Trimethylbenzene	11.489	105	5097	0.42 ug/l		94
81) trans-1,4-Dichloro-2-b...	11.118	75	87690	49.14 ug/l #		12
84) 1,2,4-Trimethylbenzene	11.789	105	16137	1.32 ug/l		97
85) sec-Butylbenzene	11.789	105	16137	1.17 ug/l #		57
95) Naphthalene	13.818	128	8293	0.62 ug/l		98

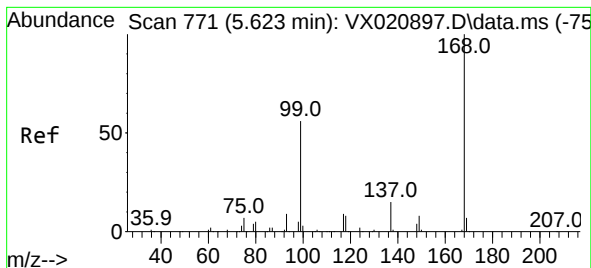
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031121\
Data File : VX021169.D
Acq On : 11 Mar 2021 20:18
Operator : JC/MD
Sample : M1647-16DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Mar 12 02:24:54 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

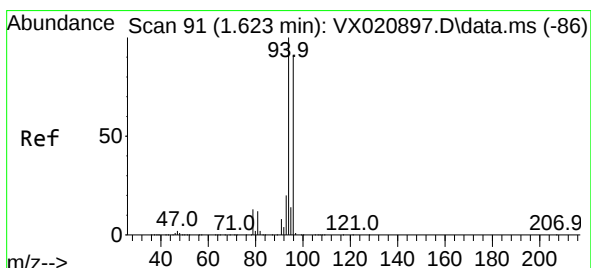
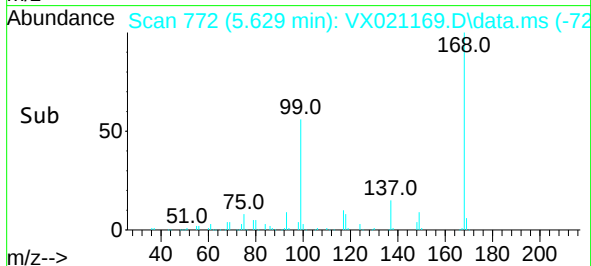
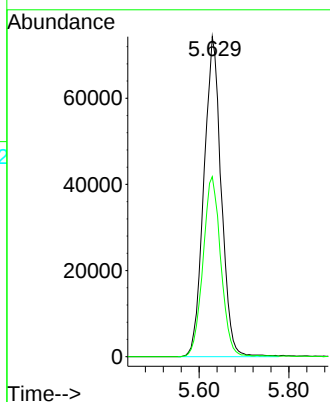
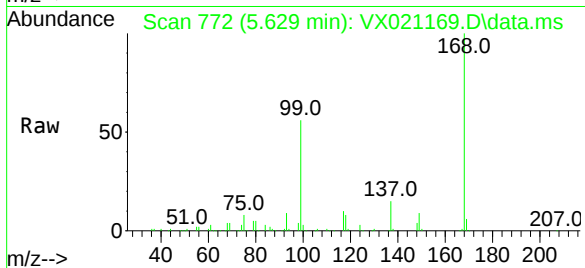




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.006 min
Lab File: VX021169.D
Acq: 11 Mar 2021 20:18

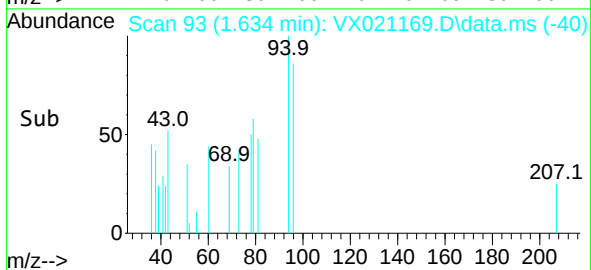
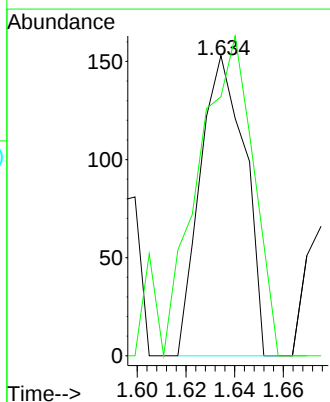
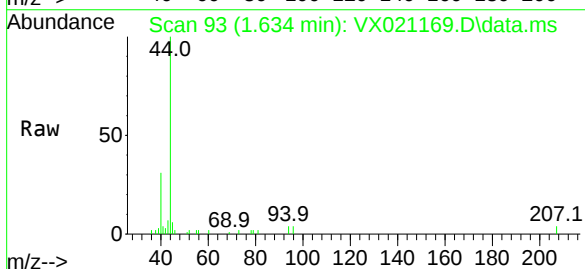
Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:168 Resp: 199637
Ion Ratio Lower Upper
168 100
99 56.2 45.8 68.6



#5
Bromomethane
Concen: Below Cal
RT: 1.634 min Scan# 93
Delta R.T. 0.011 min
Lab File: VX021169.D
Acq: 11 Mar 2021 20:18

Tgt Ion: 94 Resp: 195
Ion Ratio Lower Upper
94 100
96 86.3 76.4 114.6

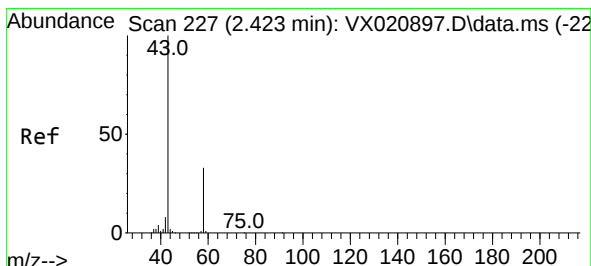
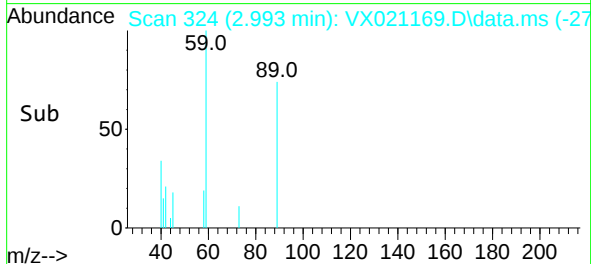
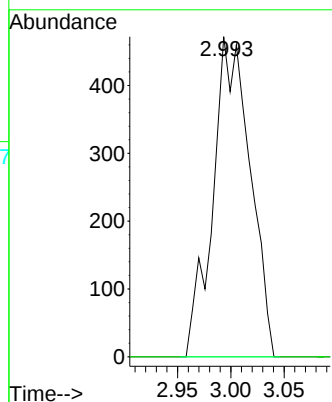
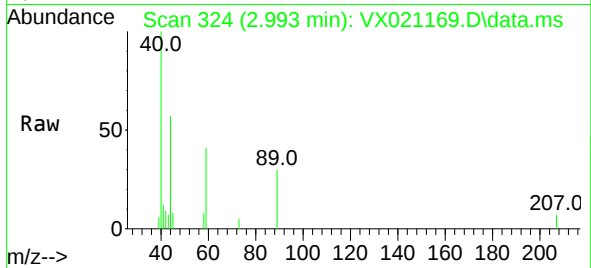




#11
Tert butyl alcohol
Concen: 1.92 ug/l
RT: 2.993 min Scan# 324
Delta R.T. -0.024 min
Lab File: VX021169.D
Acq: 11 Mar 2021 20:18

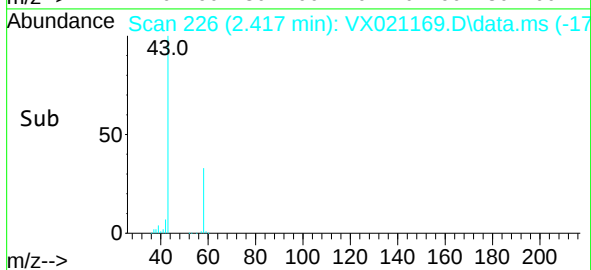
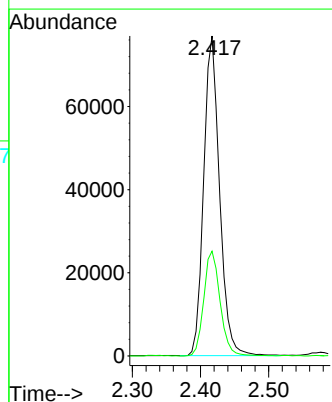
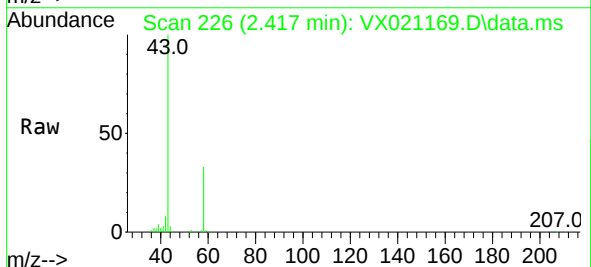
Instrument :
MSVOA_X
ClientSampled :

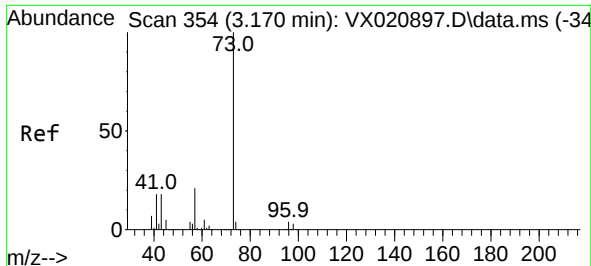
Tgt Ion: 59 Resp: 1154
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#16
Acetone
Concen: 112.09 ug/l
RT: 2.417 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX021169.D
Acq: 11 Mar 2021 20:18

Tgt Ion: 43 Resp: 124543
Ion Ratio Lower Upper
43 100
58 32.8 27.8 41.8

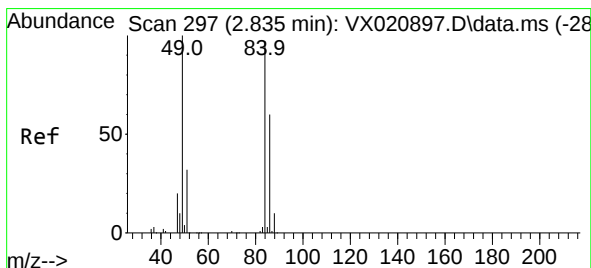
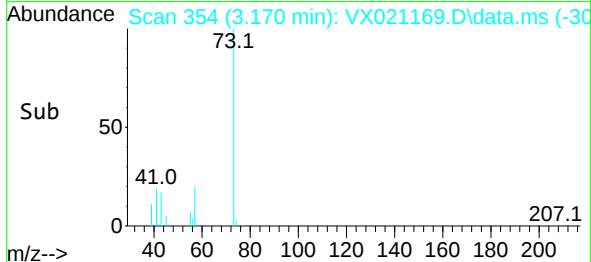
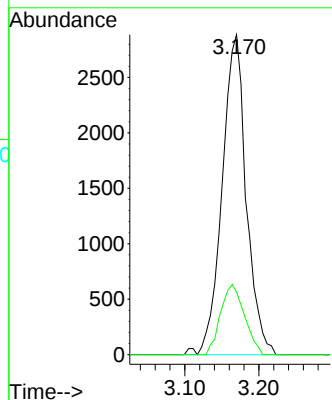
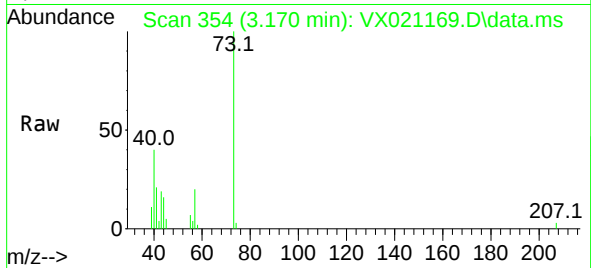




#19
Methyl tert-butyl Ether
Concen: 0.82 ug/l
RT: 3.170 min Scan# 354
Delta R.T. -0.000 min
Lab File: VX021169.D
Acq: 11 Mar 2021 20:18

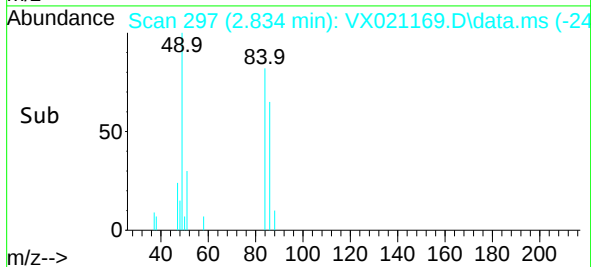
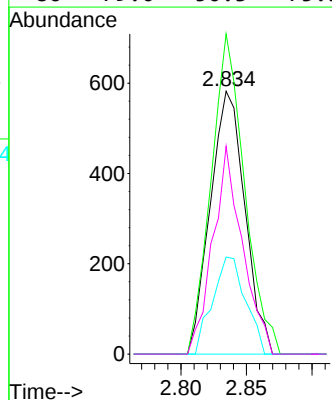
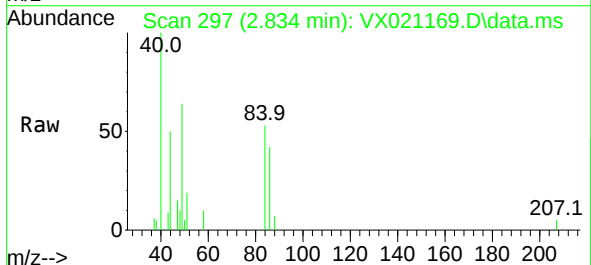
Instrument :
MSVOA_X
ClientSampled :

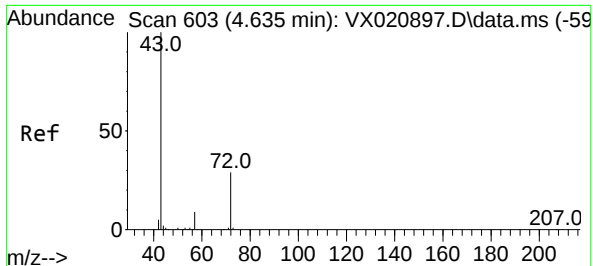
Tgt Ion: 73 Resp: 6520
Ion Ratio Lower Upper
73 100
57 19.6 17.1 25.7



#20
Methylene Chloride
Concen: 0.40 ug/l
RT: 2.834 min Scan# 297
Delta R.T. -0.000 min
Lab File: VX021169.D
Acq: 11 Mar 2021 20:18

Tgt Ion: 84 Resp: 1068
Ion Ratio Lower Upper
84 100
49 121.8 88.6 132.8
51 36.9 27.0 40.6
86 79.0 50.3 75.5#





#25

2-Butanone

Concen: 2.74 ug/l

RT: 4.635 min Scan# 603

Delta R.T. -0.000 min

Lab File: VX021169.D

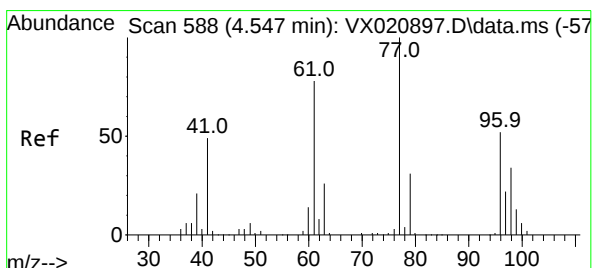
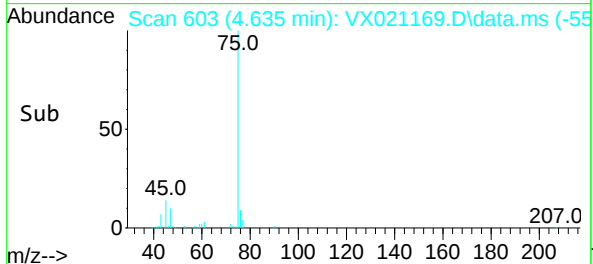
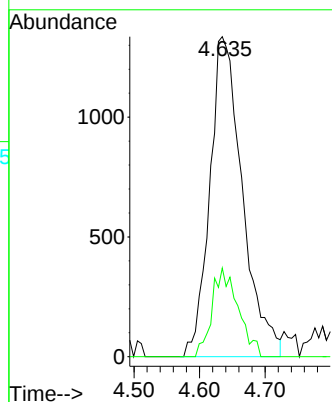
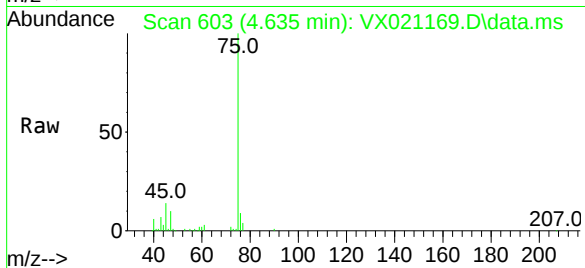
Acq: 11 Mar 2021 20:18

Tgt Ion: 43 Resp: 4626

Ion Ratio Lower Upper

43 100

72 27.7 23.7 35.5



#26

2,2-Dichloropropane

Concen: 0.64 ug/l

RT: 4.641 min Scan# 604

Delta R.T. 0.094 min

Lab File: VX021169.D

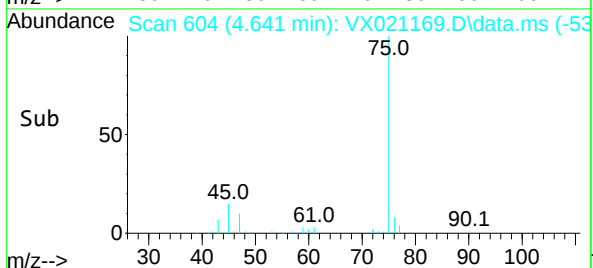
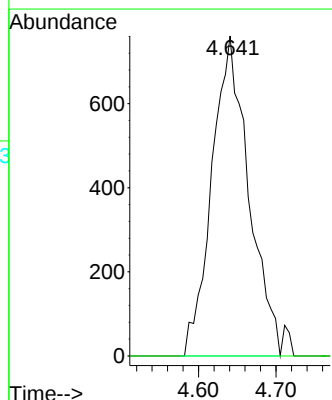
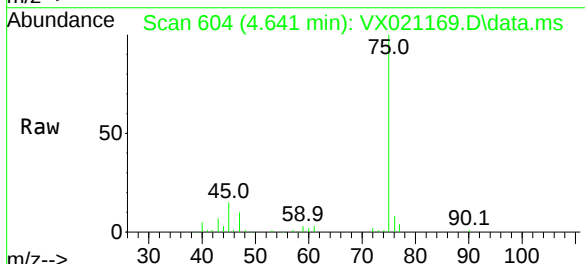
Acq: 11 Mar 2021 20:18

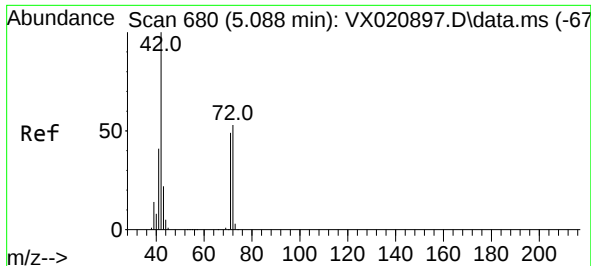
Tgt Ion: 77 Resp: 2512

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.1#





#29

Tetrahydrofuran

Concen: 0.49 ug/l

RT: 5.105 min Scan# 683

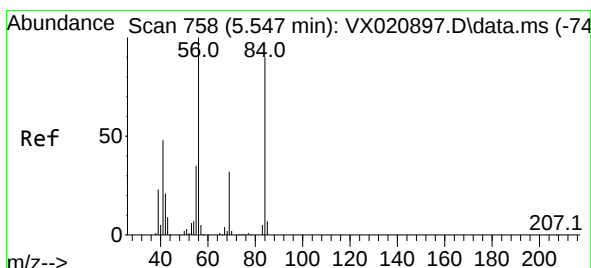
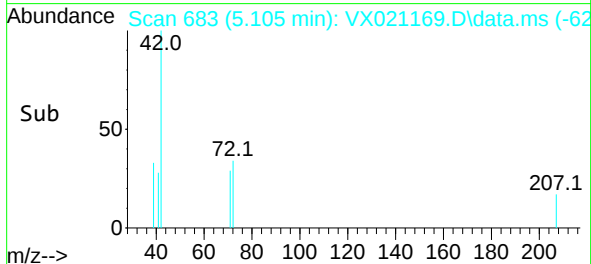
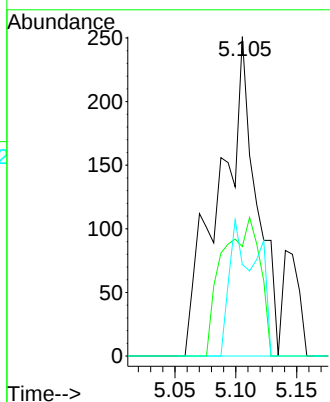
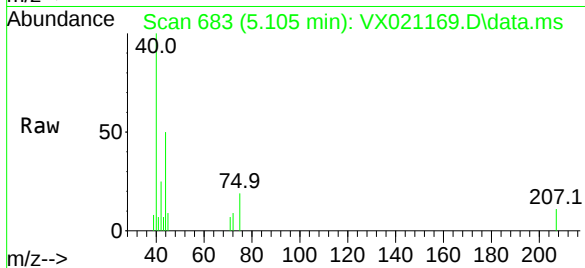
Delta R.T. 0.018 min

Lab File: VX021169.D

Acq: 11 Mar 2021 20:18

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:	42	Resp:	532
Ion	Ratio	Lower	Upper
42	100		
72	43.6	41.7	62.5
71	31.2	38.4	57.6#



#31

Cyclohexane

Concen: 1.01 ug/l

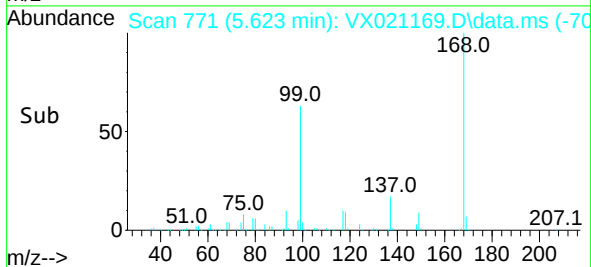
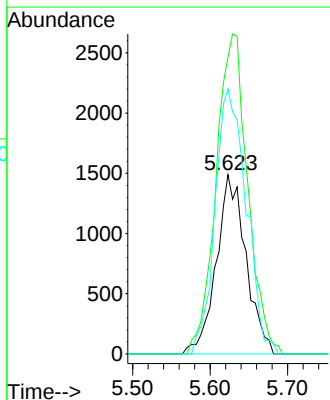
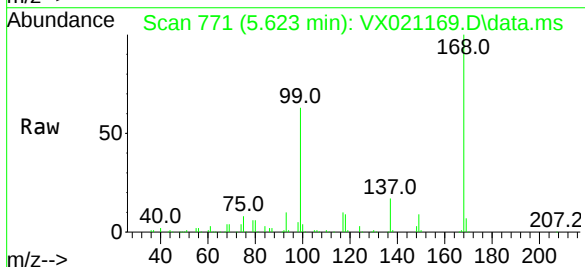
RT: 5.623 min Scan# 771

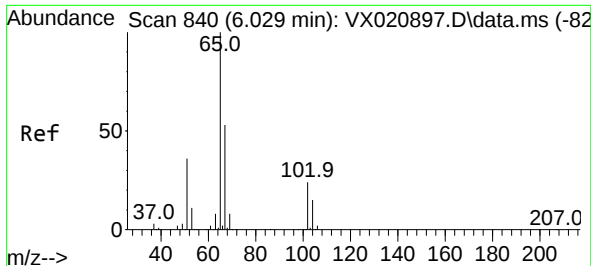
Delta R.T. 0.076 min

Lab File: VX021169.D

Acq: 11 Mar 2021 20:18

Tgt Ion:	56	Resp:	3944
Ion	Ratio	Lower	Upper
56	100		
69	165.5	25.3	37.9#
84	147.9	71.4	107.0#

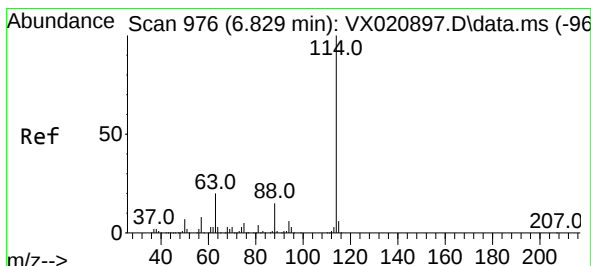
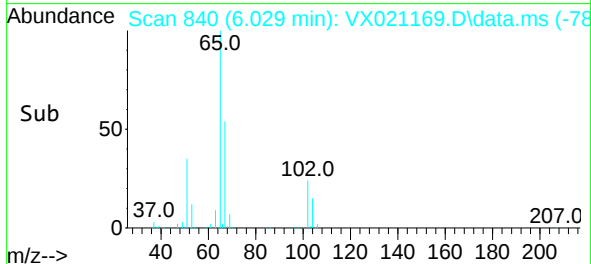
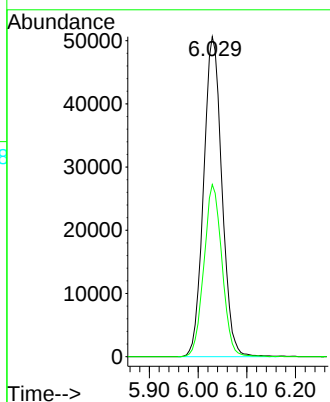
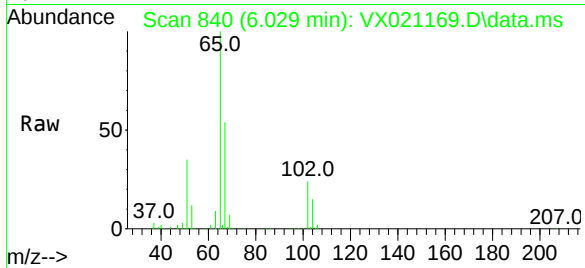




#33
1,2-Dichloroethane-d4
Concen: 48.93 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021169.D
Acq: 11 Mar 2021 20:18

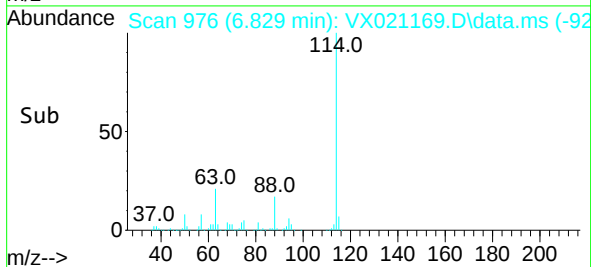
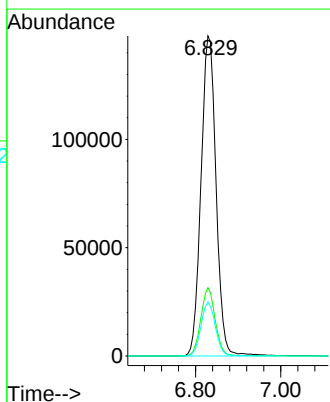
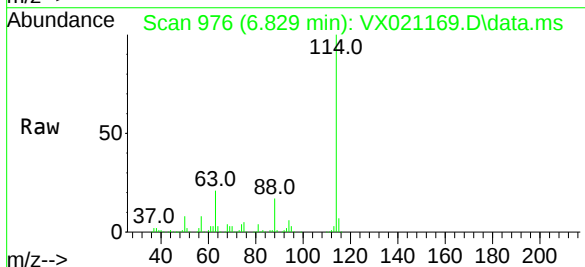
Instrument :
MSVOA_X
ClientSampled :

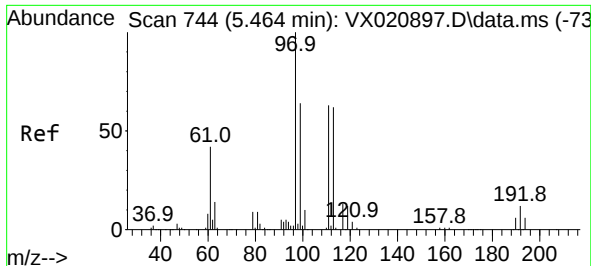
Tgt Ion: 65 Resp: 131945
Ion Ratio Lower Upper
65 100
67 53.1 0.0 105.4



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.000 min
Lab File: VX021169.D
Acq: 11 Mar 2021 20:18

Tgt Ion: 114 Resp: 362256
Ion Ratio Lower Upper
114 100
63 21.4 0.0 40.8
88 16.9 0.0 32.8

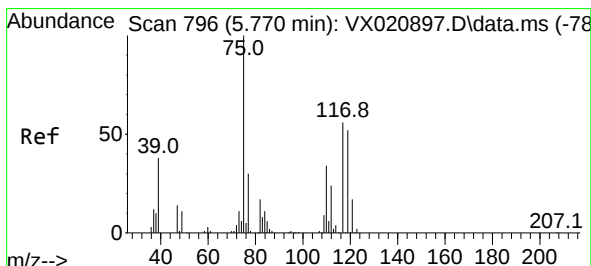
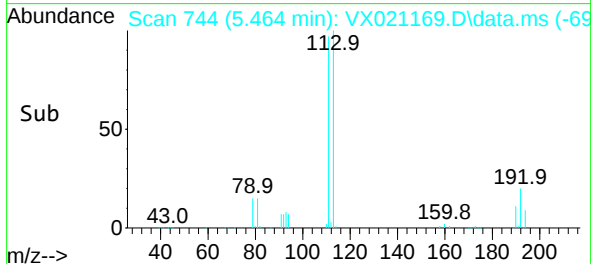
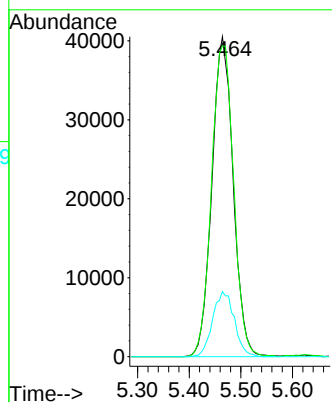
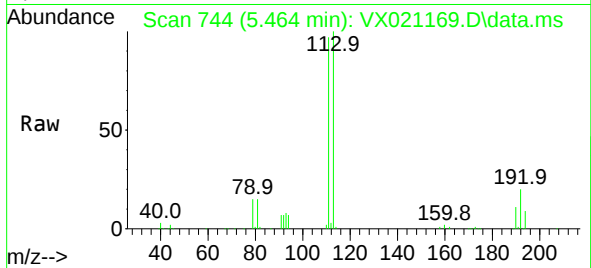




#35
Dibromofluoromethane
Concen: 52.55 ug/l
RT: 5.464 min Scan# 744
Delta R.T. -0.000 min
Lab File: VX021169.D
Acq: 11 Mar 2021 20:18

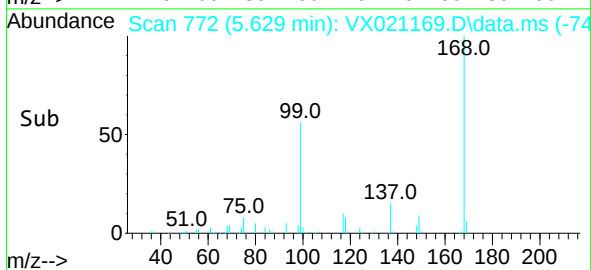
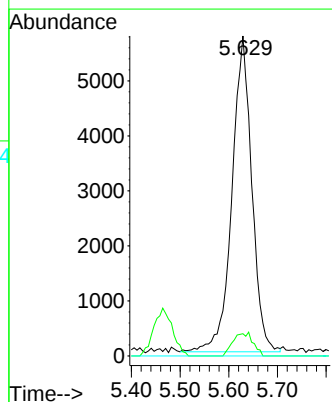
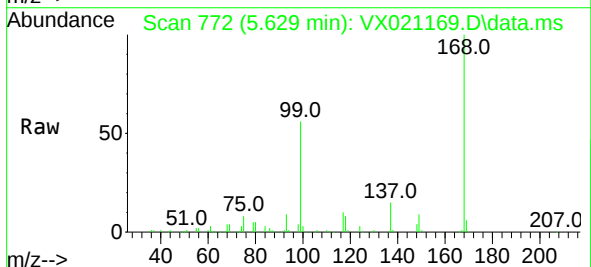
Instrument :
MSVOA_X
ClientSampled :

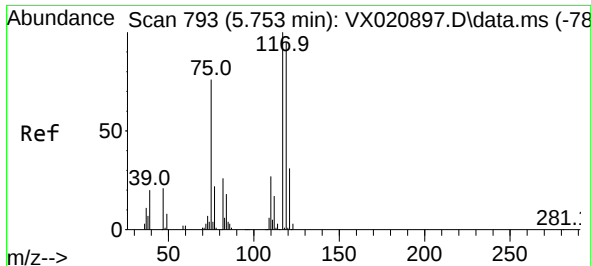
Tgt Ion:113 Resp: 115670
Ion Ratio Lower Upper
113 100
111 101.6 81.9 122.9
192 20.7 16.7 25.1



#36
1,1-Dichloropropene
Concen: 4.71 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.141 min
Lab File: VX021169.D
Acq: 11 Mar 2021 20:18

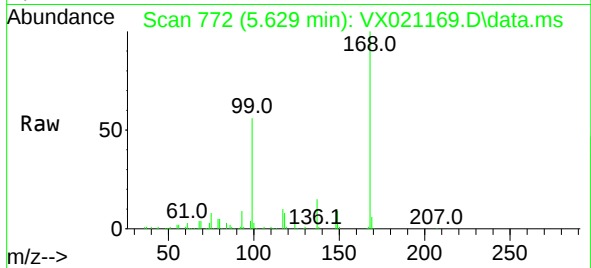
Tgt Ion: 75 Resp: 16234
Ion Ratio Lower Upper
75 100
110 7.4 18.1 54.4#
77 0.0 25.3 37.9#



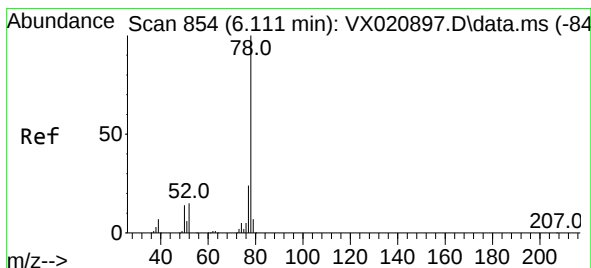
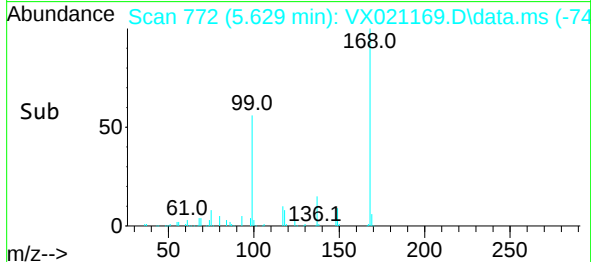
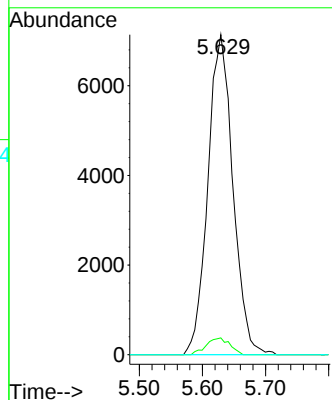


#38
Carbon Tetrachloride
Concen: 5.90 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.124 min
Lab File: VX021169.D
Acq: 11 Mar 2021 20:18

Instrument :
MSVOA_X
ClientSampled :

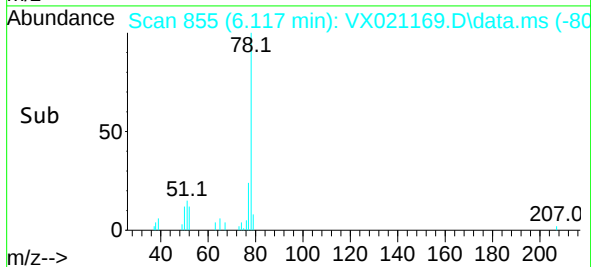
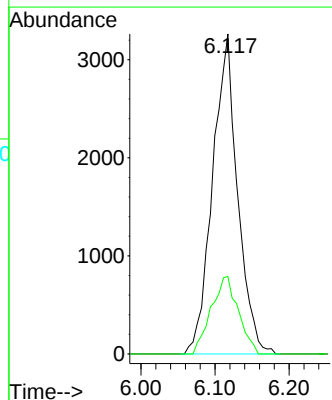
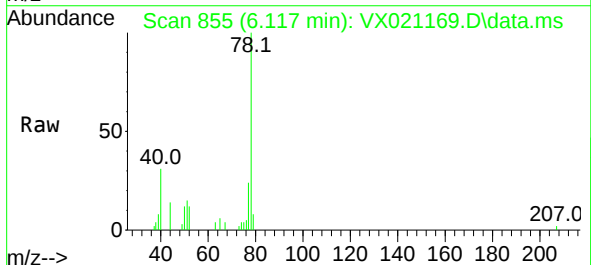


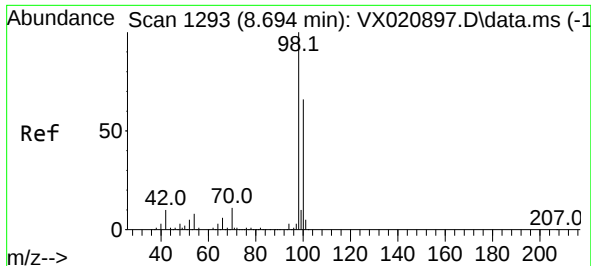
Tgt Ion:117 Resp: 19683
Ion Ratio Lower Upper
117 100
119 5.3 76.2 114.2#
121 0.0 24.8 37.2#



#40
Benzene
Concen: 0.74 ug/l
RT: 6.117 min Scan# 855
Delta R.T. 0.006 min
Lab File: VX021169.D
Acq: 11 Mar 2021 20:18

Tgt Ion: 78 Resp: 7654
Ion Ratio Lower Upper
78 100
77 24.2 18.9 28.3

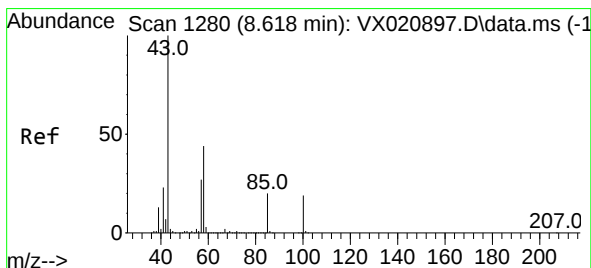
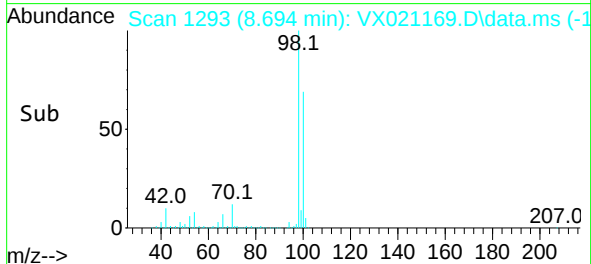
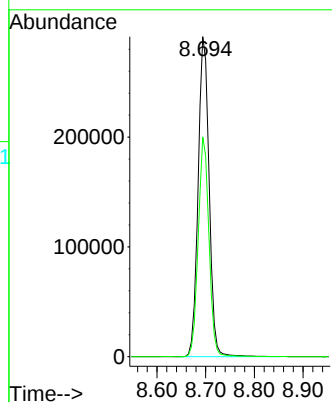
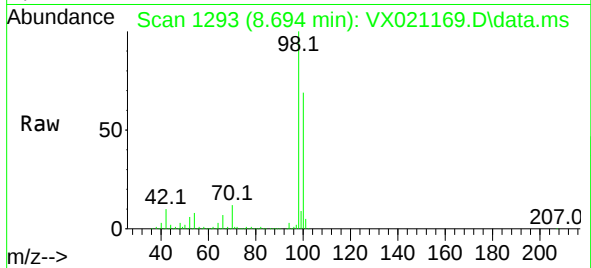




#50
Toluene-d8
Concen: 53.54 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021169.D
Acq: 11 Mar 2021 20:18

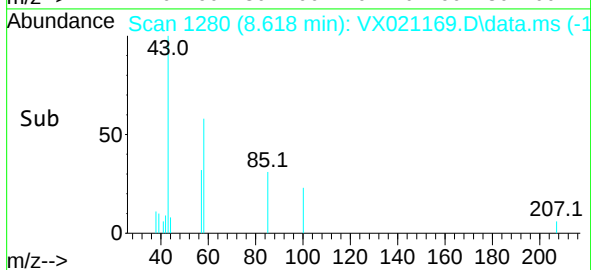
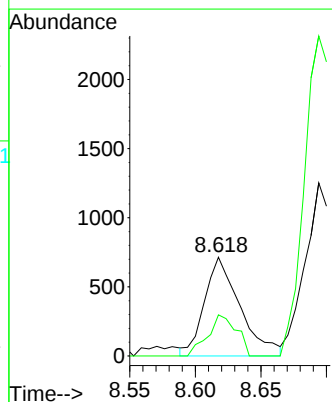
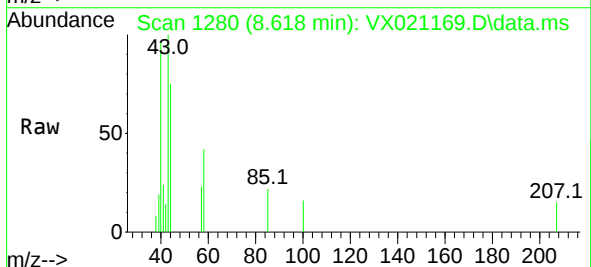
Instrument :
MSVOA_X
ClientSampled :

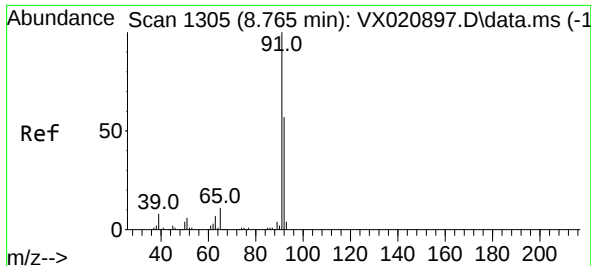
Tgt Ion: 98 Resp: 459511
Ion Ratio Lower Upper
98 100
100 67.2 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.42 ug/l
RT: 8.618 min Scan# 1280
Delta R.T. -0.000 min
Lab File: VX021169.D
Acq: 11 Mar 2021 20:18

Tgt Ion: 43 Resp: 1351
Ion Ratio Lower Upper
43 100
58 33.6 35.4 53.0#

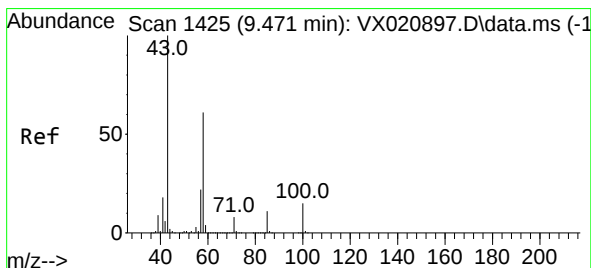
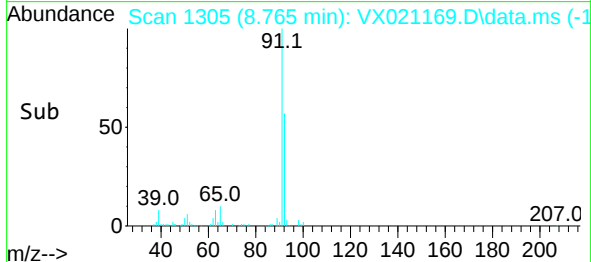
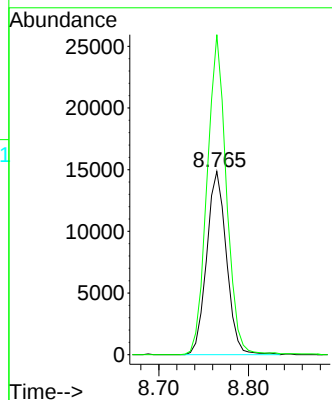
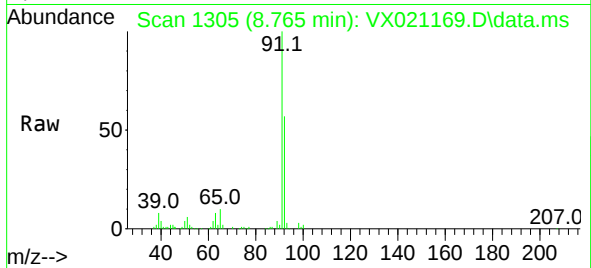




#52
Toluene
Concen: 3.54 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VX021169.D
Acq: 11 Mar 2021 20:18

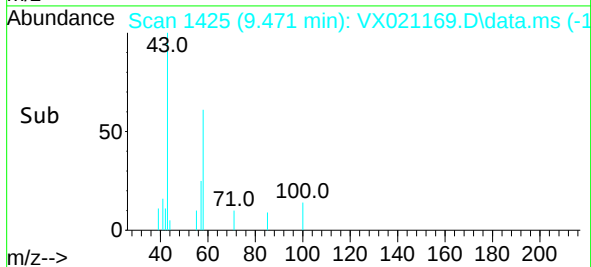
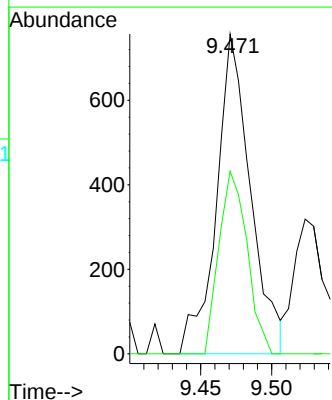
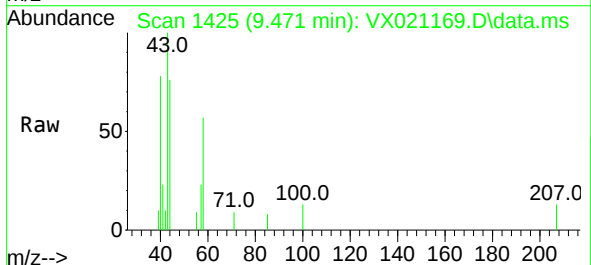
Instrument :
MSVOA_X
ClientSampled :

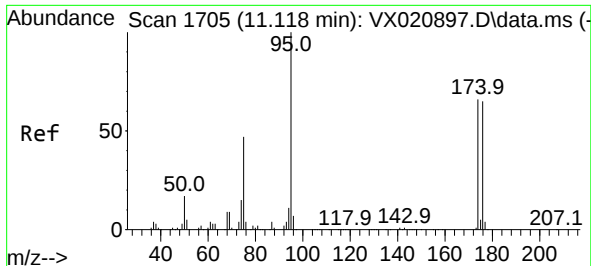
Tgt Ion: 92 Resp: 22736
Ion Ratio Lower Upper
92 100
91 171.1 137.1 205.7



#59
2-Hexanone
Concen: 0.52 ug/l
RT: 9.471 min Scan# 1425
Delta R.T. -0.000 min
Lab File: VX021169.D
Acq: 11 Mar 2021 20:18

Tgt Ion: 43 Resp: 1266
Ion Ratio Lower Upper
43 100
58 47.1 30.9 92.8

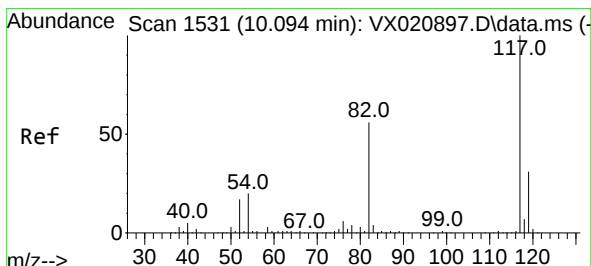
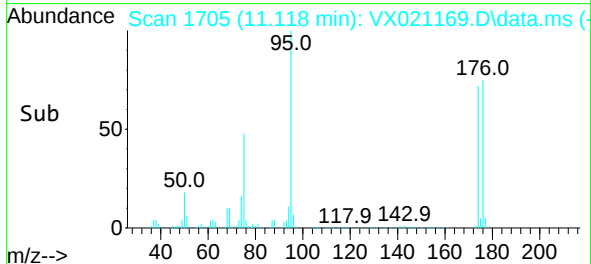
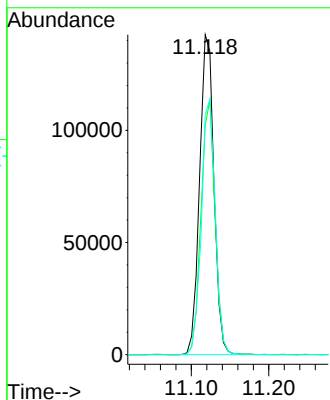
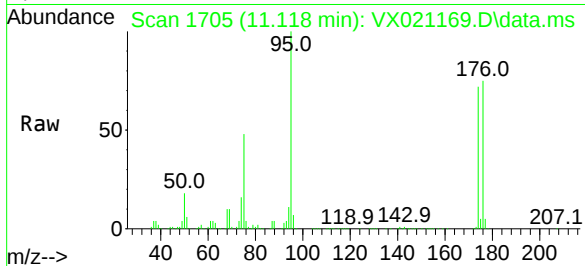




#62
4-Bromofluorobenzene
Concen: 57.70 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021169.D
Acq: 11 Mar 2021 20:18

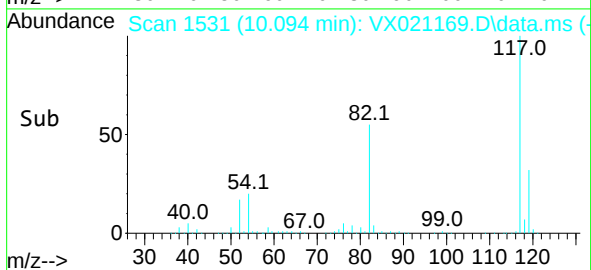
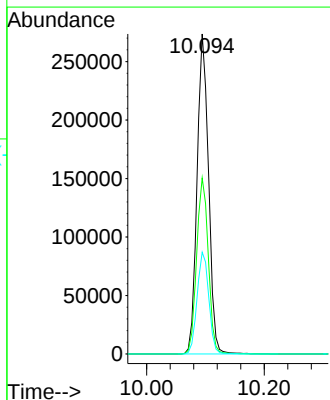
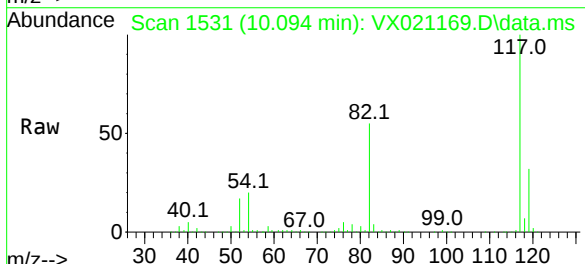
Instrument :
MSVOA_X
ClientSampleId :

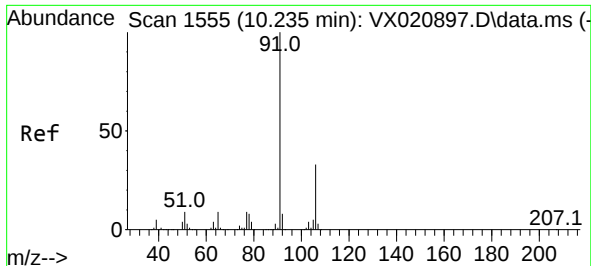
Tgt Ion: 95 Resp: 183088
Ion Ratio Lower Upper
95 100
174 78.1 0.0 154.6
176 77.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021169.D
Acq: 11 Mar 2021 20:18

Tgt Ion: 117 Resp: 370047
Ion Ratio Lower Upper
117 100
82 55.0 47.4 71.2
119 31.8 26.6 39.8

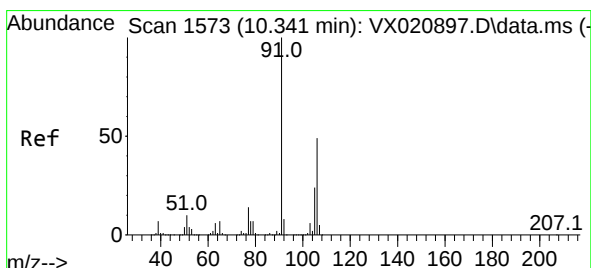
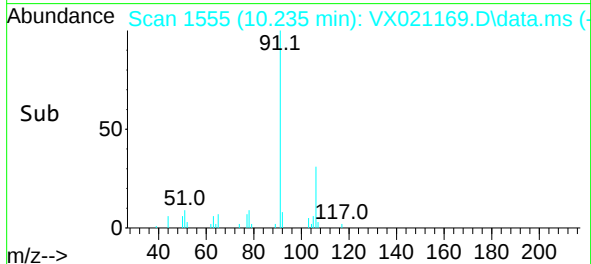
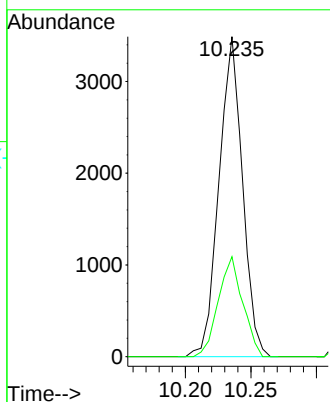
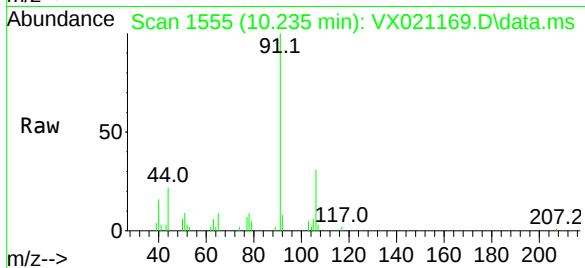




#67
Ethyl Benzene
Concen: 0.31 ug/l
RT: 10.235 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VX021169.D
Acq: 11 Mar 2021 20:18

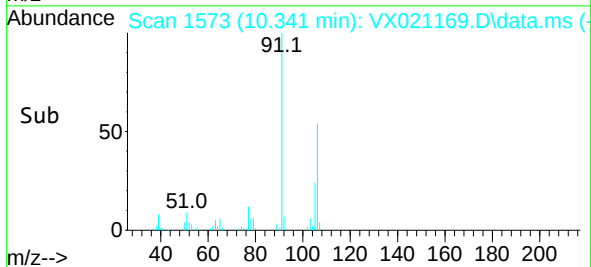
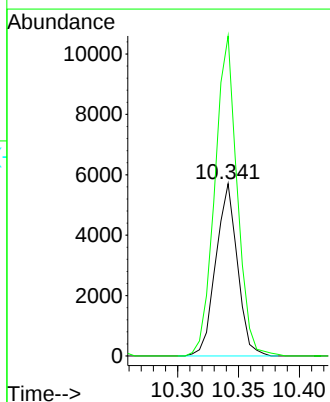
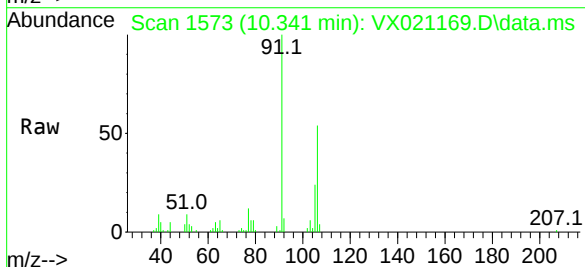
Instrument :
MSVOA_X
ClientSampled :

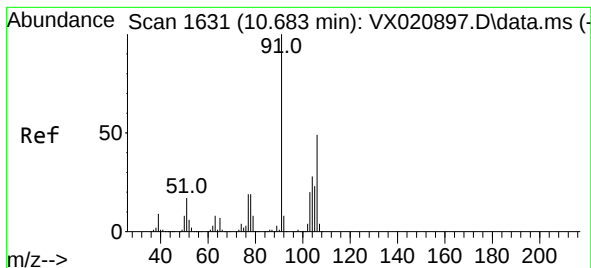
Tgt Ion: 91 Resp: 4341
Ion Ratio Lower Upper
91 100
106 31.3 24.6 37.0



#68
m/p-Xylenes
Concen: 1.35 ug/l
RT: 10.341 min Scan# 1573
Delta R.T. -0.000 min
Lab File: VX021169.D
Acq: 11 Mar 2021 20:18

Tgt Ion: 106 Resp: 7044
Ion Ratio Lower Upper
106 100
91 192.4 162.8 244.2

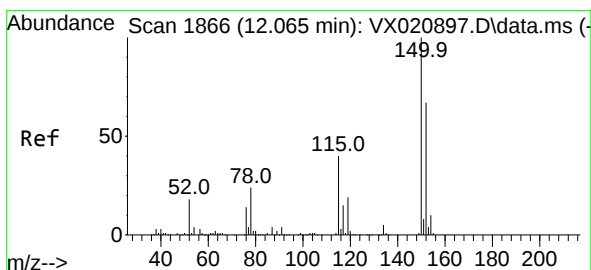
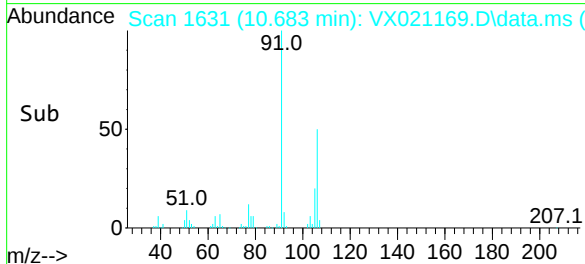
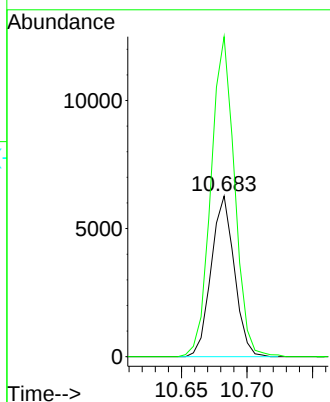
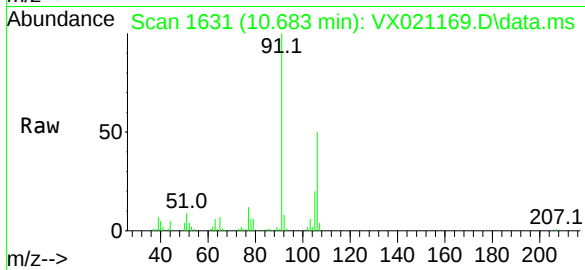




#69
o-Xylene
Concen: 1.52 ug/l
RT: 10.683 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VX021169.D
Acq: 11 Mar 2021 20:18

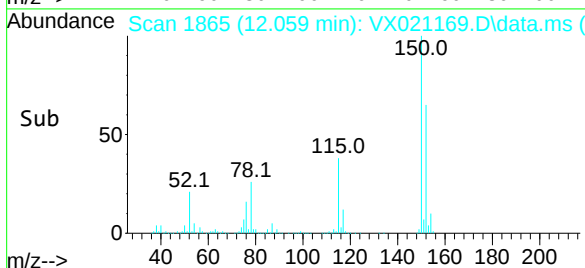
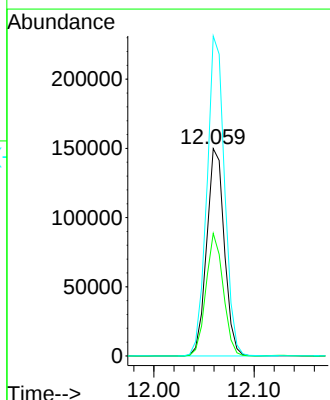
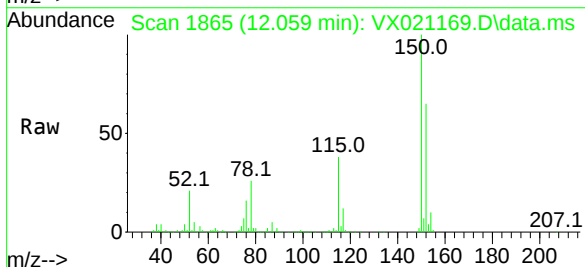
Instrument :
MSVOA_X
ClientSampled :

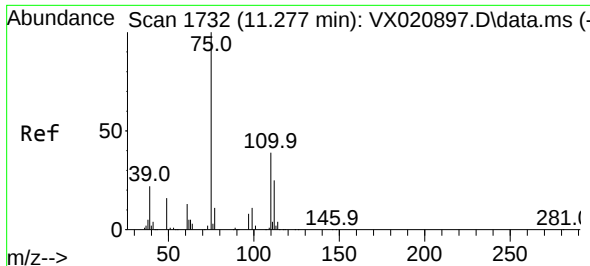
Tgt Ion:106 Resp: 7701
Ion Ratio Lower Upper
106 100
91 203.1 108.1 324.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. -0.006 min
Lab File: VX021169.D
Acq: 11 Mar 2021 20:18

Tgt Ion:152 Resp: 183659
Ion Ratio Lower Upper
152 100
115 57.8 41.1 123.3
150 154.9 0.0 349.0

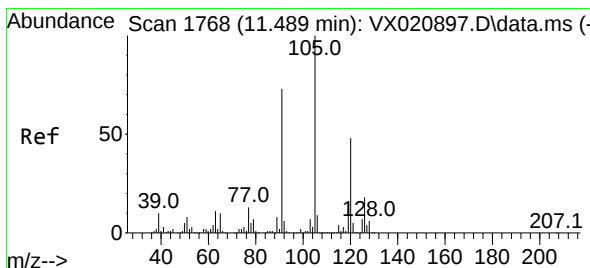
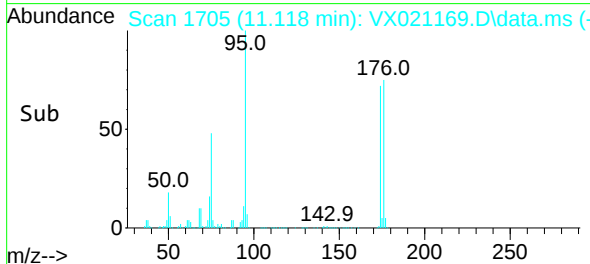
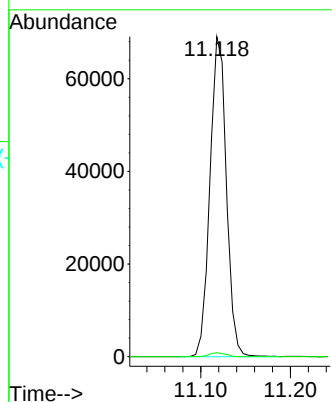
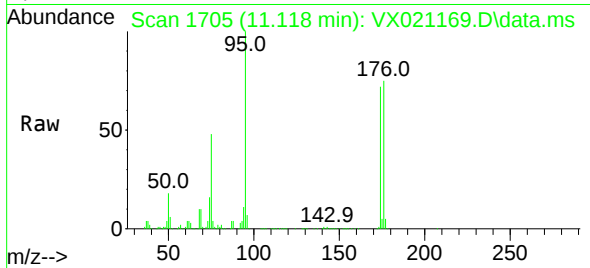




#76
1,2,3-Trichloropropane
Concen: 22.19 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021169.D
Acq: 11 Mar 2021 20:18

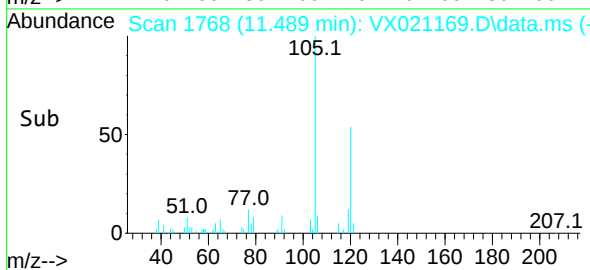
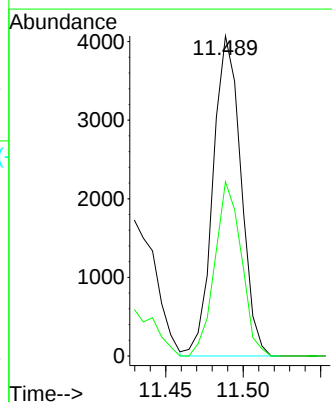
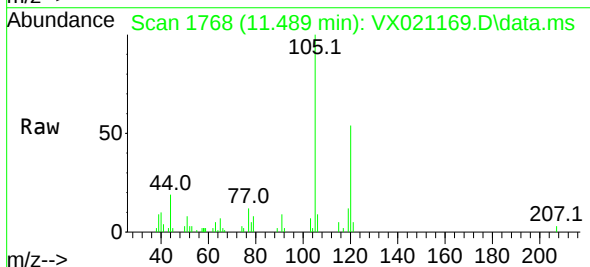
Instrument :
MSVOA_X
ClientSampled :

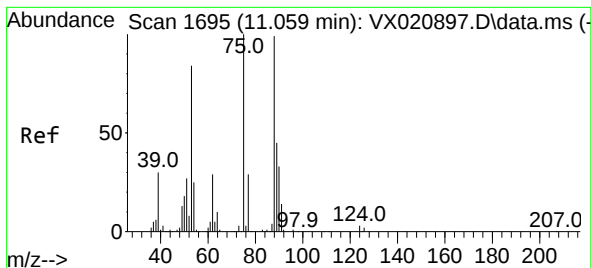
Tgt Ion: 75 Resp: 87690
Ion Ratio Lower Upper
75 100
77 1.3 19.1 57.5#



#80
1,3,5-Trimethylbenzene
Concen: 0.42 ug/l
RT: 11.489 min Scan# 1768
Delta R.T. -0.000 min
Lab File: VX021169.D
Acq: 11 Mar 2021 20:18

Tgt Ion: 105 Resp: 5097
Ion Ratio Lower Upper
105 100
120 51.8 23.8 71.5

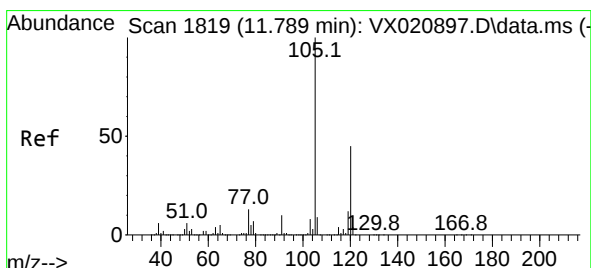
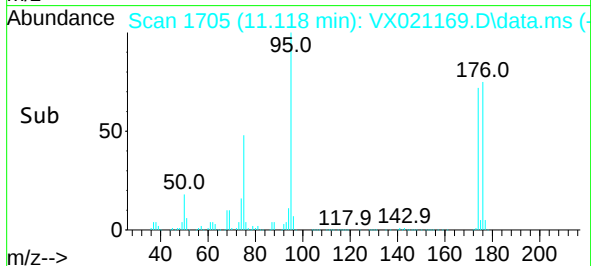
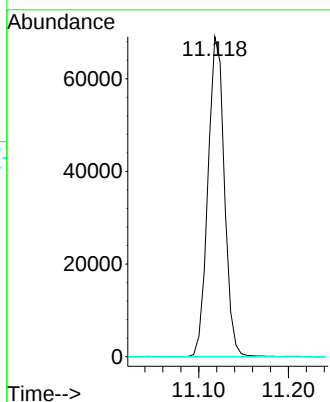
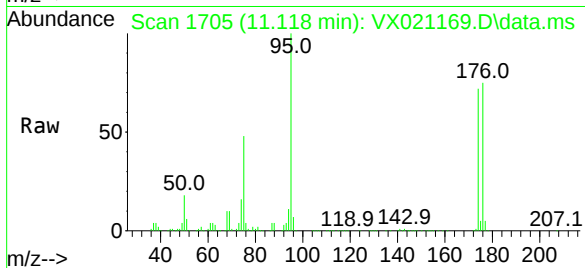




#81
trans-1,4-Dichloro-2-butene
Concen: 49.14 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021169.D
Acq: 11 Mar 2021 20:18

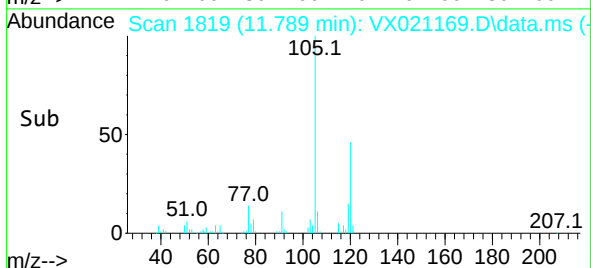
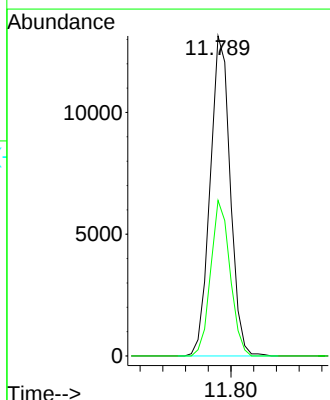
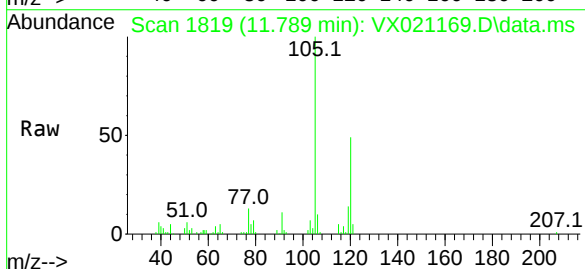
Instrument :
MSVOA_X
ClientSampleId :

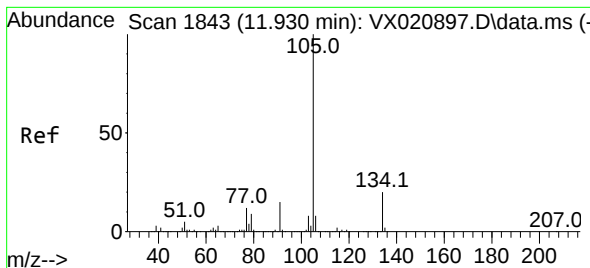
Tgt Ion: 75 Resp: 87690
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 1.32 ug/l
RT: 11.789 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VX021169.D
Acq: 11 Mar 2021 20:18

Tgt Ion: 105 Resp: 16137
Ion Ratio Lower Upper
105 100
120 46.8 22.4 67.3

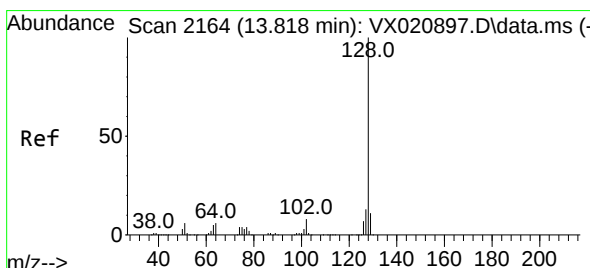
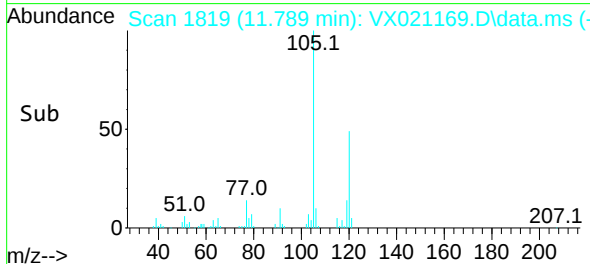
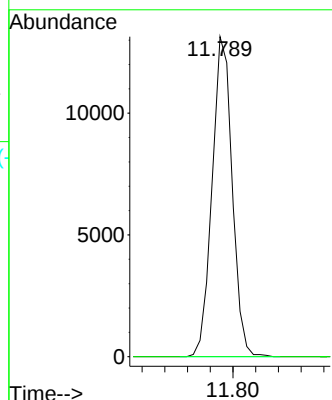
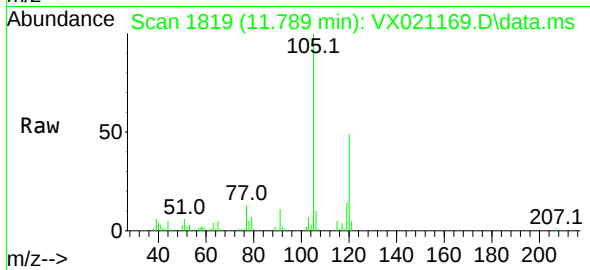




#85
 sec-Butylbenzene
 Concen: 1.17 ug/l
 RT: 11.789 min Scan# 1819
 Delta R.T. -0.141 min
 Lab File: VX021169.D
 Acq: 11 Mar 2021 20:18

Instrument :
 MSVOA_X
 ClientSampled :

Tgt Ion:105 Resp: 16137
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 29.8#



#95
 Naphthalene
 Concen: 0.62 ug/l
 RT: 13.818 min Scan# 2164
 Delta R.T. -0.000 min
 Lab File: VX021169.D
 Acq: 11 Mar 2021 20:18

Tgt Ion:128 Resp: 8293
 Ion Ratio Lower Upper
 128 100
 127 13.6 10.3 15.5
 129 10.4 8.8 13.2

