

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031521\
 Data File : VX021228.D
 Acq On : 16 Mar 2021 03:04
 Operator : JC/MD
 Sample : M1665-03 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 45 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30821

Quant Time: Mar 16 04:44:12 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031521W.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 15 11:55:59 2021
 Response via : Initial Calibration

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

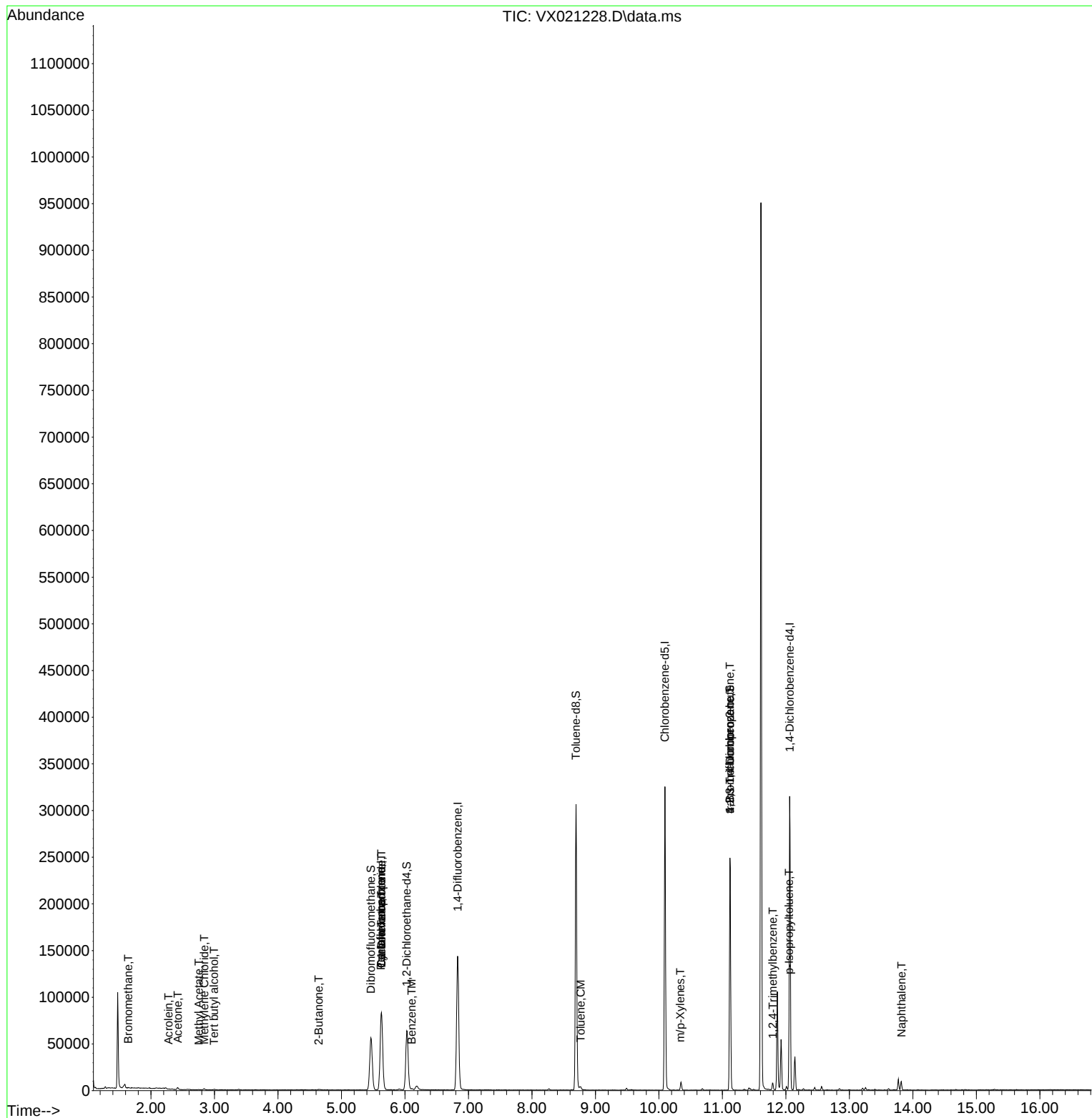
Internal Standards						
1) Pentafluorobenzene	5.623	168	72651	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.829	114	133315	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.094	117	125548	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.059	152	57570	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.029	65	63641	51.37	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 102.74%			
35) Dibromofluoromethane	5.464	113	46562	50.76	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 101.52%			
50) Toluene-d8	8.694	98	167263	50.76	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.52%			
62) 4-Bromofluorobenzene	11.118	95	65973	52.54	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 105.08%			
Target Compounds					Qvalue	
5) Bromomethane	1.640	94	111	0.21	ug/l	89
11) Tert butyl alcohol	2.993	59	405	1.88	ug/l #	73
13) Acrolein	2.276	56	59	0.44	ug/l #	15
16) Acetone	2.423	43	2126	4.27	ug/l #	83
18) Methyl Acetate	2.752	43	360	0.30	ug/l #	47
20) Methylene Chloride	2.840	84	360	0.38	ug/l #	76
25) 2-Butanone	4.641	43	228	0.32	ug/l #	45
31) Cyclohexane	5.629	56	2183	1.39	ug/l #	50
36) 1,1-Dichloropropene	5.629	75	6864	4.91	ug/l #	49
38) Carbon Tetrachloride	5.629	117	8031	5.23	ug/l #	17
40) Benzene	6.106	78	1106	0.28	ug/l	94
52) Toluene	8.765	92	894	0.38	ug/l	99
68) m/p-Xylenes	10.335	106	539	0.31	ug/l	98
76) 1,2,3-Trichloropropane	11.118	75	38008	26.63	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.118	75	38008	75.57	ug/l #	12
84) 1,2,4-Trimethylbenzene	11.794	105	2747	0.73	ug/l	76
86) p-Isopropyltoluene	12.047	119	784	0.21	ug/l #	61
95) Naphthalene	13.818	128	4312	2.45	ug/l	97

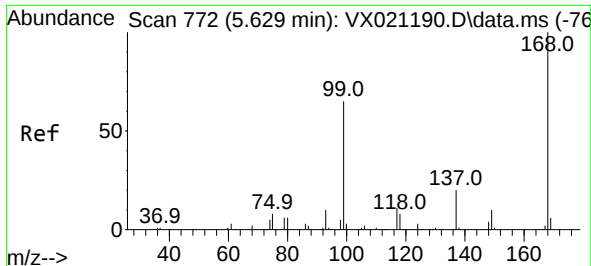
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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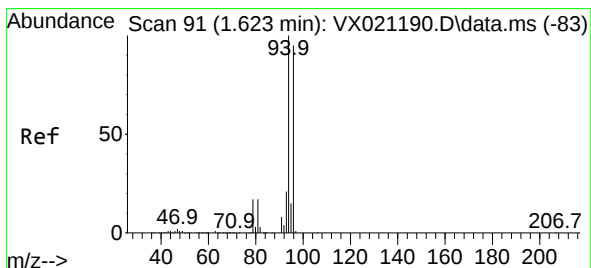
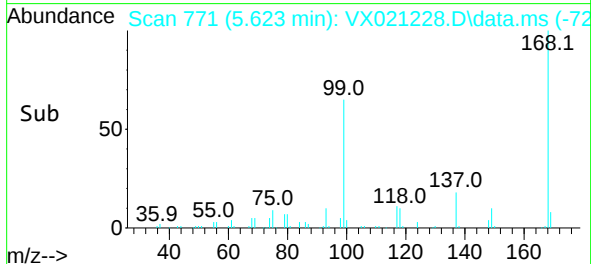
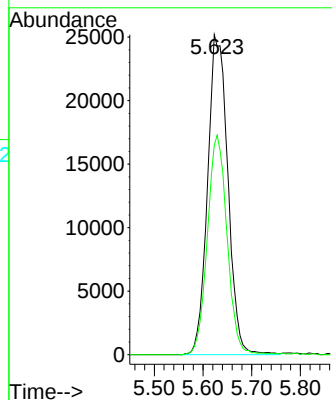
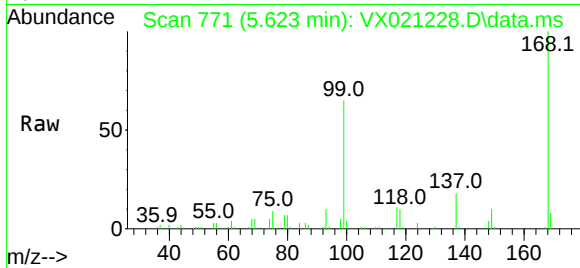




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.623 min Scan# 771
Delta R.T. 0.000 min
Lab File: VX021228.D
Acq: 16 Mar 2021 03:04

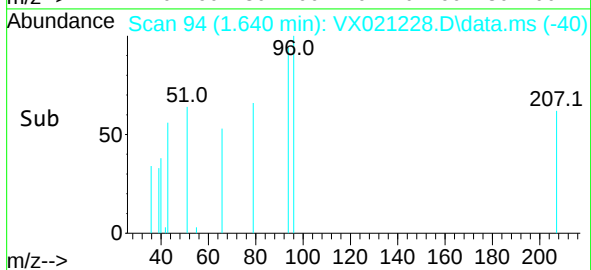
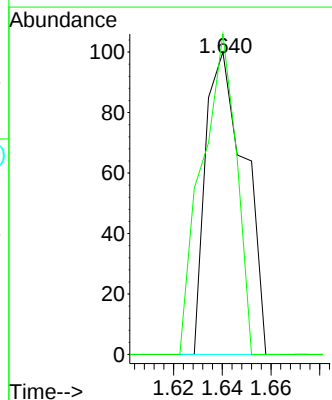
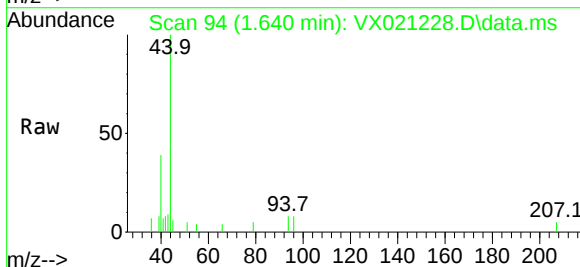
Instrument :
MSVOA_X
ClientSampleId :
30821

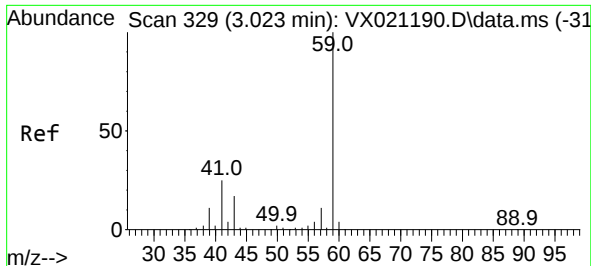
Tgt Ion:168 Resp: 72651
Ion Ratio Lower Upper
168 100
99 65.5 45.8 68.6



#5
Bromomethane
Concen: 0.21 ug/l
RT: 1.640 min Scan# 94
Delta R.T. 0.017 min
Lab File: VX021228.D
Acq: 16 Mar 2021 03:04

Tgt Ion: 94 Resp: 111
Ion Ratio Lower Upper
94 100
96 106.0 76.4 114.6

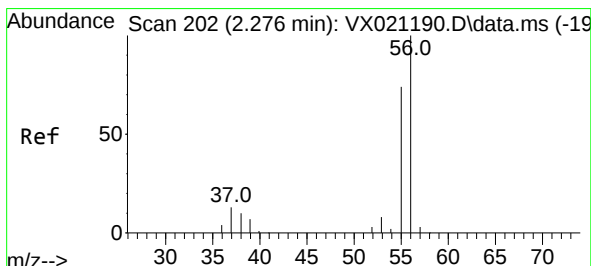
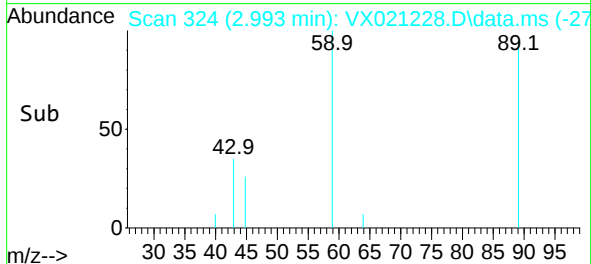
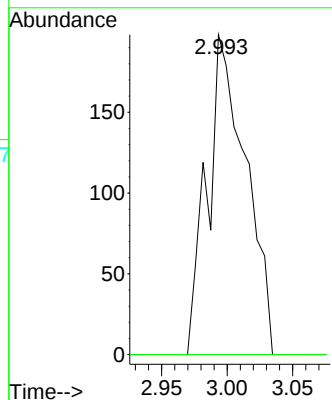
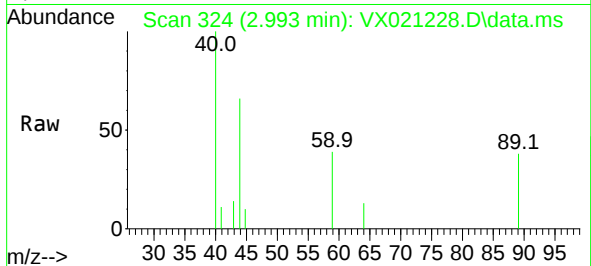




#11
Tert butyl alcohol
Concen: 1.88 ug/l
RT: 2.993 min Scan# 324
Delta R.T. -0.024 min
Lab File: VX021228.D
Acq: 16 Mar 2021 03:04

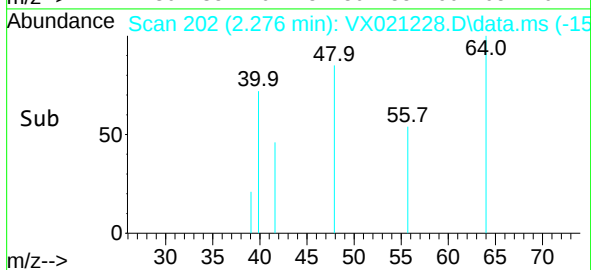
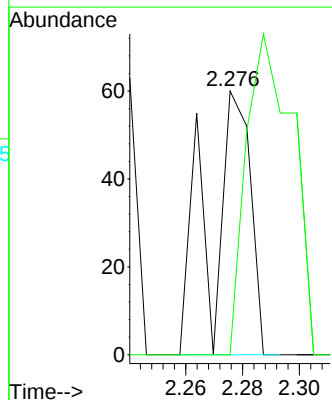
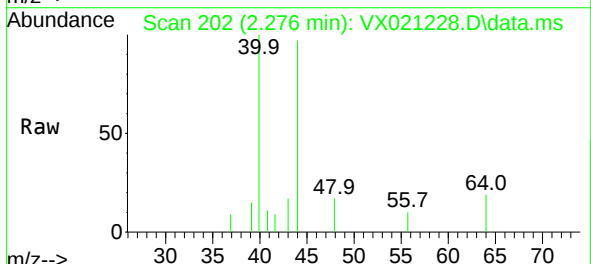
Instrument :
MSVOA_X
ClientSampled :
30821

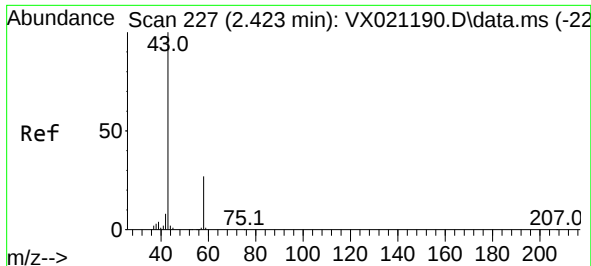
Tgt Ion: 59 Resp: 405
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 0.44 ug/l
RT: 2.276 min Scan# 202
Delta R.T. -0.000 min
Lab File: VX021228.D
Acq: 16 Mar 2021 03:04

Tgt Ion: 56 Resp: 59
Ion Ratio Lower Upper
56 100
55 140.7 56.4 84.6#

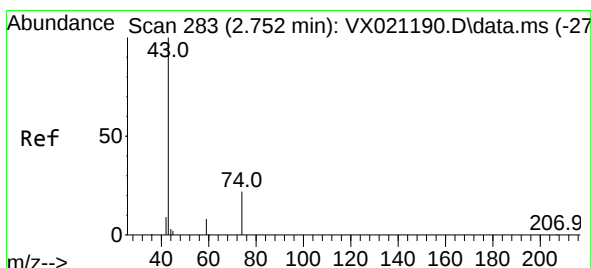
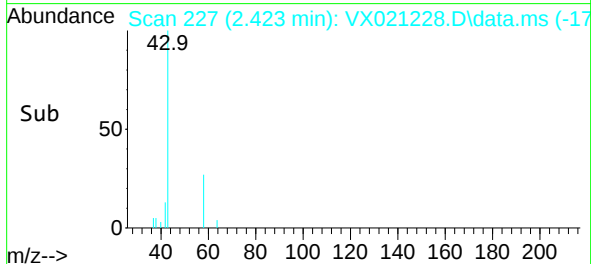
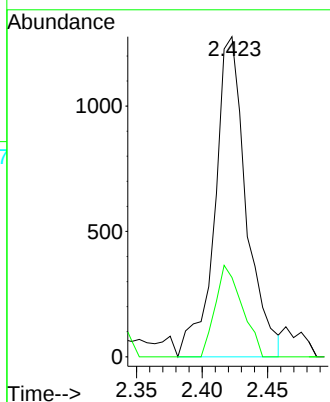
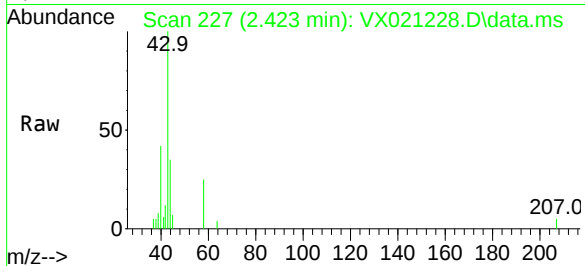




#16
Acetone
Concen: 4.27 ug/l
RT: 2.423 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX021228.D
Acq: 16 Mar 2021 03:04

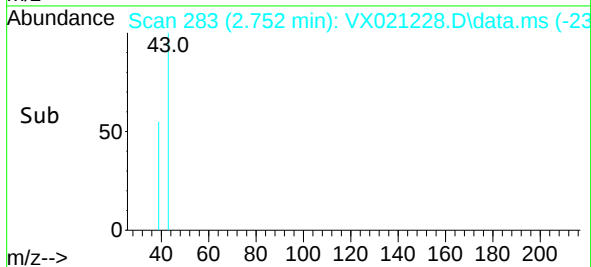
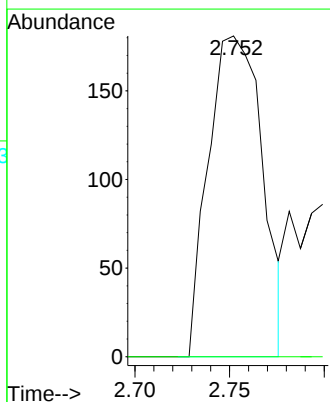
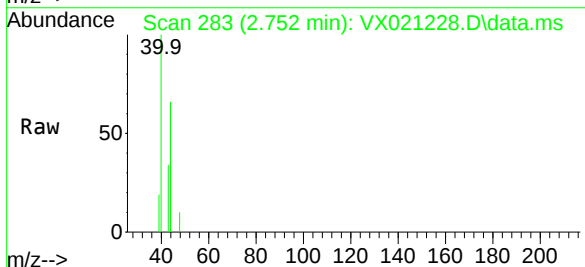
Instrument :
MSVOA_X
ClientSampleId :
30821

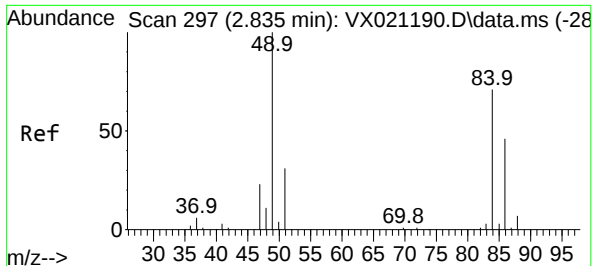
Tgt Ion: 43 Resp: 2126
Ion Ratio Lower Upper
43 100
58 24.7 27.8 41.8#



#18
Methyl Acetate
Concen: 0.30 ug/l
RT: 2.752 min Scan# 283
Delta R.T. -0.000 min
Lab File: VX021228.D
Acq: 16 Mar 2021 03:04

Tgt Ion: 43 Resp: 360
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#





#20

Methylene Chloride

Concen: 0.38 ug/l

RT: 2.840 min Scan# 298

Delta R.T. 0.006 min

Lab File: VX021228.D

Acq: 16 Mar 2021 03:04

Tgt Ion: 84 Resp: 360

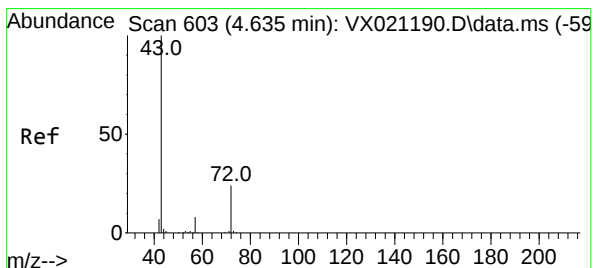
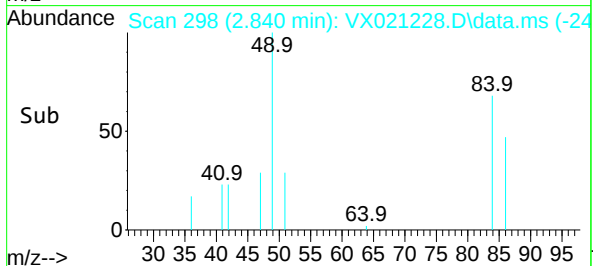
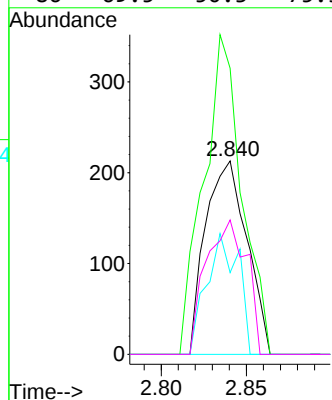
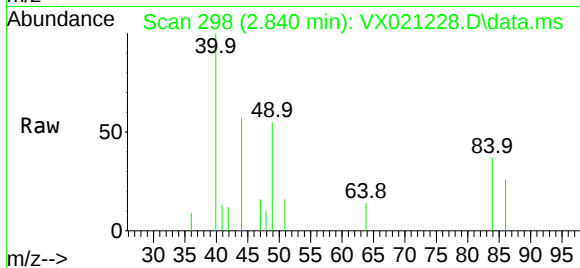
Ion Ratio Lower Upper

84 100

49 147.9 88.6 132.8#

51 42.3 27.0 40.6#

86 69.5 50.3 75.5



#25

2-Butanone

Concen: 0.32 ug/l

RT: 4.641 min Scan# 604

Delta R.T. 0.006 min

Lab File: VX021228.D

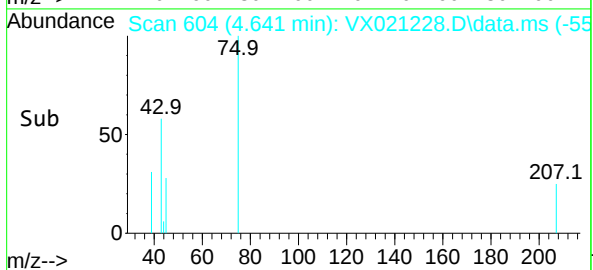
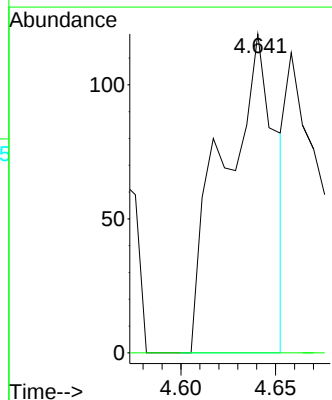
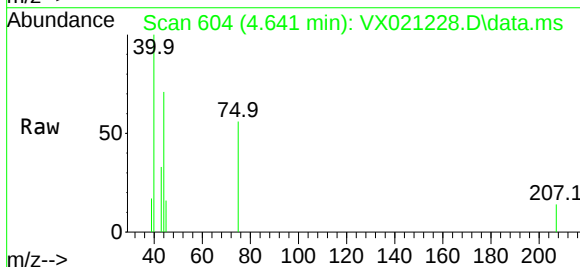
Acq: 16 Mar 2021 03:04

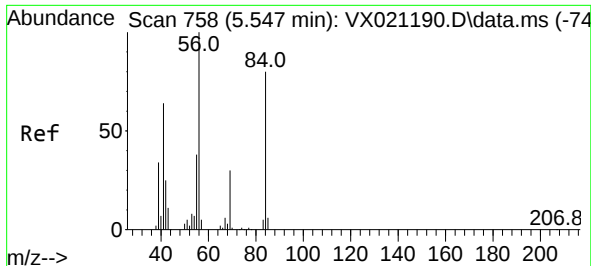
Tgt Ion: 43 Resp: 228

Ion Ratio Lower Upper

43 100

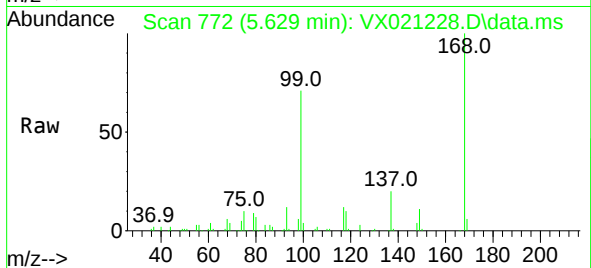
72 0.0 23.7 35.5#



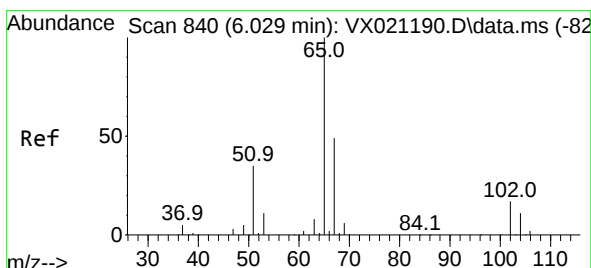
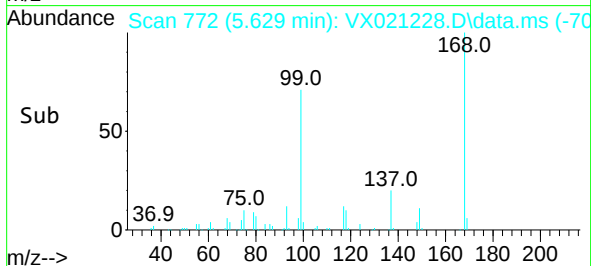
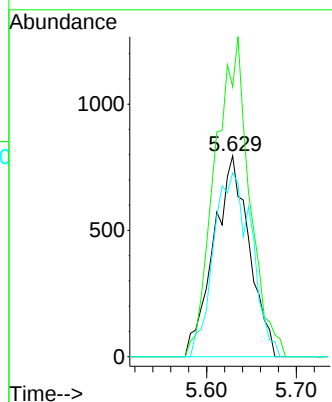


#31
Cyclohexane
Concen: 1.39 ug/l
RT: 5.629 min Scan# 772
Delta R.T. 0.082 min
Lab File: VX021228.D
Acq: 16 Mar 2021 03:04

Instrument :
MSVOA_X
ClientSampled :
30821

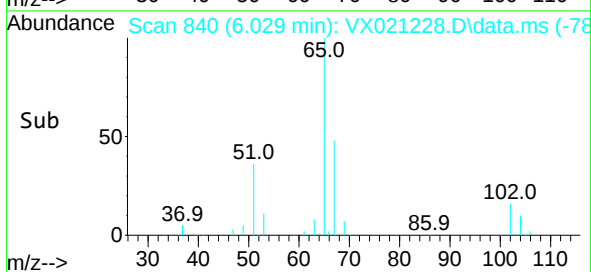
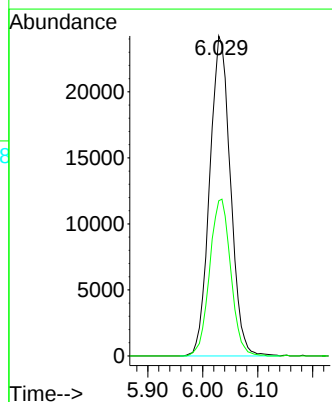
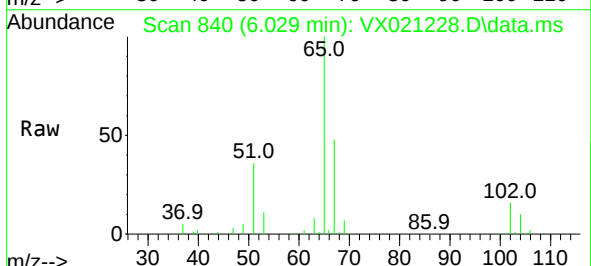


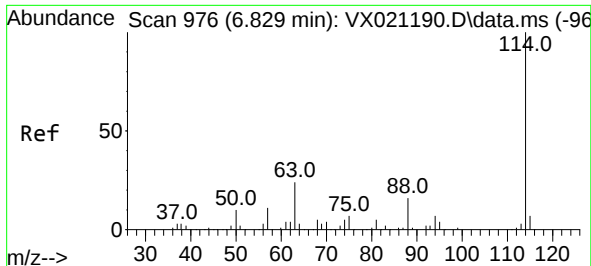
Tgt Ion: 56 Resp: 2183
Ion Ratio Lower Upper
56 100
69 134.3 25.3 37.9#
84 91.6 71.4 107.0



#33
1,2-Dichloroethane-d4
Concen: 51.37 ug/l
RT: 6.029 min Scan# 840
Delta R.T. -0.000 min
Lab File: VX021228.D
Acq: 16 Mar 2021 03:04

Tgt Ion: 65 Resp: 63641
Ion Ratio Lower Upper
65 100
67 49.8 0.0 105.4

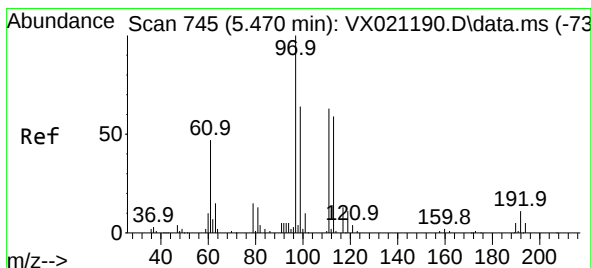
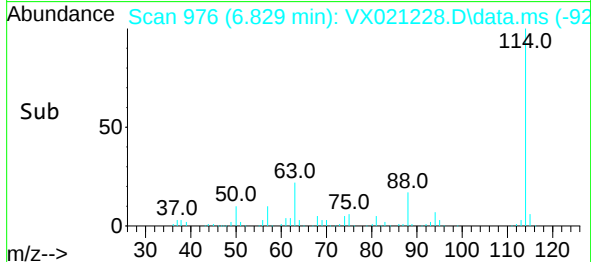
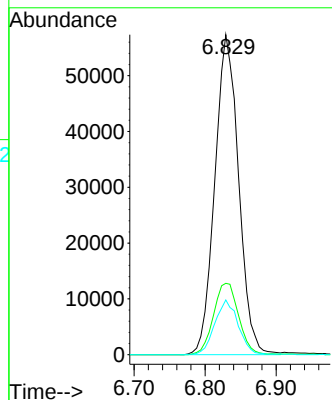
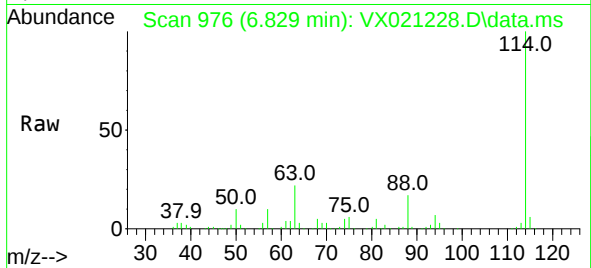




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 6.829 min Scan# 976
Delta R.T. -0.000 min
Lab File: VX021228.D
Acq: 16 Mar 2021 03:04

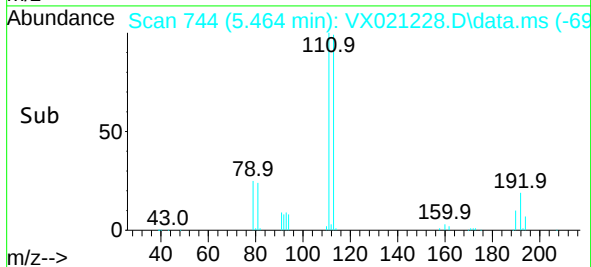
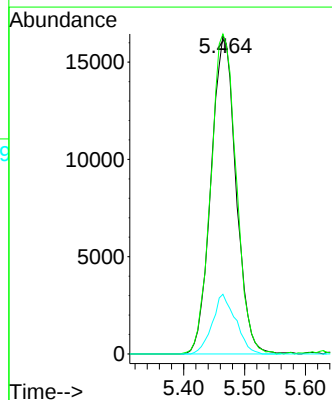
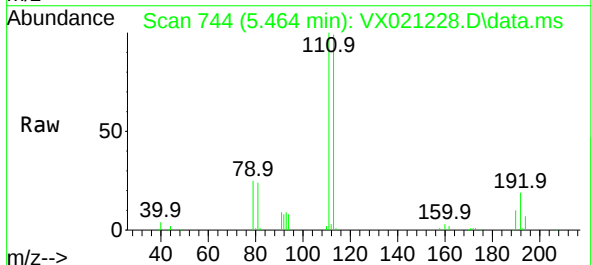
Instrument :
MSVOA_X
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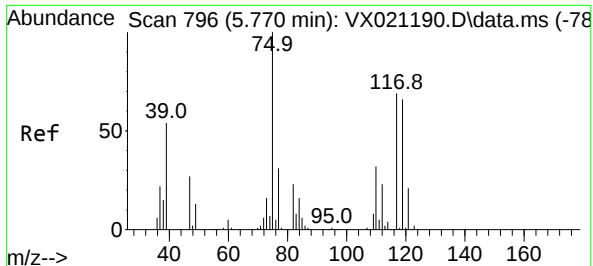
Tgt Ion:114 Resp: 133315
Ion Ratio Lower Upper
114 100
63 22.3 0.0 40.8
88 17.1 0.0 32.8



#35
Dibromofluoromethane
Concen: 50.76 ug/l
RT: 5.464 min Scan# 744
Delta R.T. -0.000 min
Lab File: VX021228.D
Acq: 16 Mar 2021 03:04

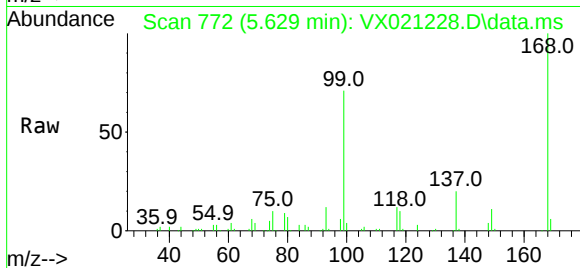
Tgt Ion:113 Resp: 46562
Ion Ratio Lower Upper
113 100
111 102.3 81.9 122.9
192 17.6 16.7 25.1



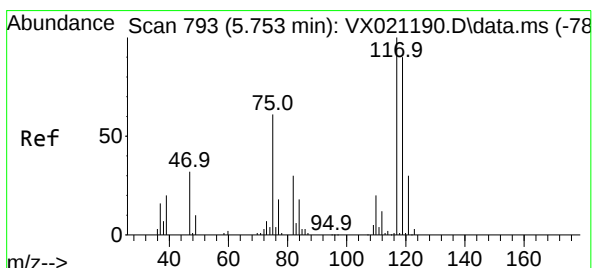
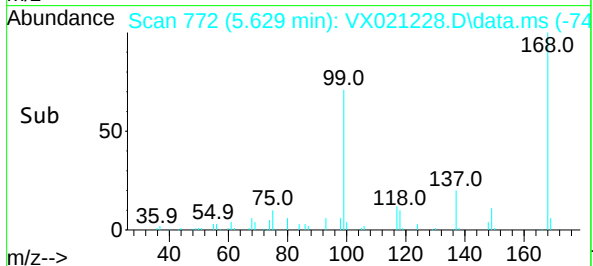
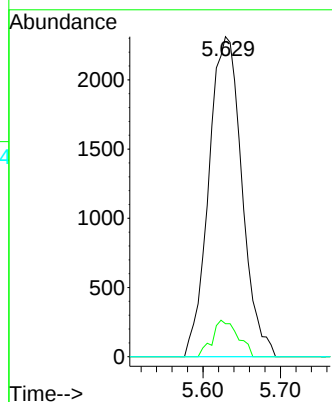


#36
1,1-Dichloropropene
Concen: 4.91 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.141 min
Lab File: VX021228.D
Acq: 16 Mar 2021 03:04

Instrument :
MSVOA_X
ClientSampled :
30821

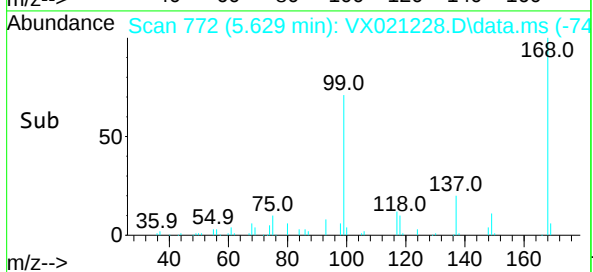
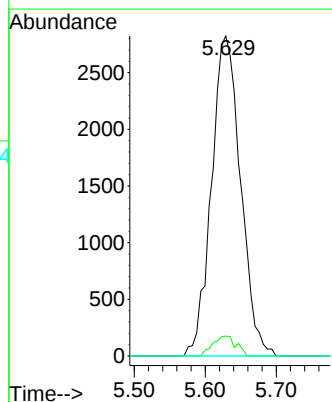
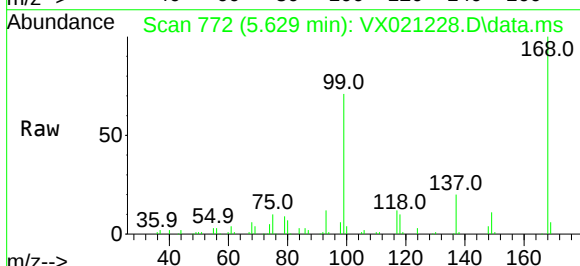


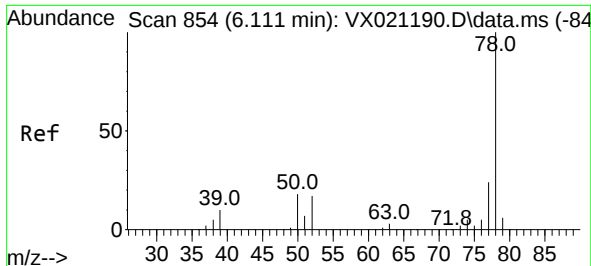
Tgt Ion: 75 Resp: 6864
Ion Ratio Lower Upper
75 100
110 8.9 18.1 54.4#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 5.23 ug/l
RT: 5.629 min Scan# 772
Delta R.T. -0.124 min
Lab File: VX021228.D
Acq: 16 Mar 2021 03:04

Tgt Ion: 117 Resp: 8031
Ion Ratio Lower Upper
117 100
119 6.2 76.2 114.2#
121 0.0 24.8 37.2#

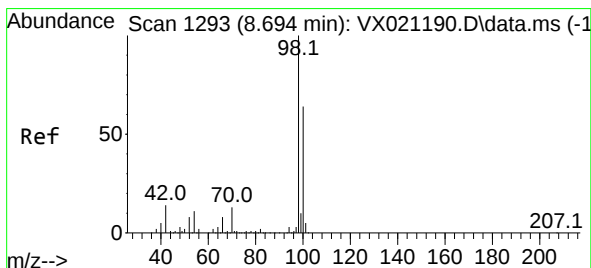
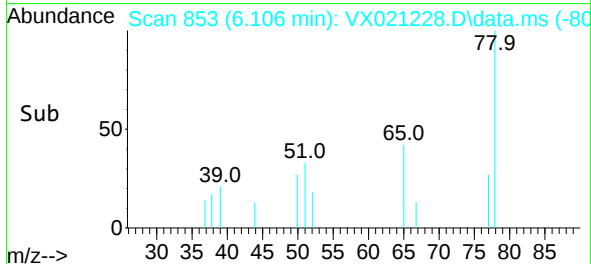
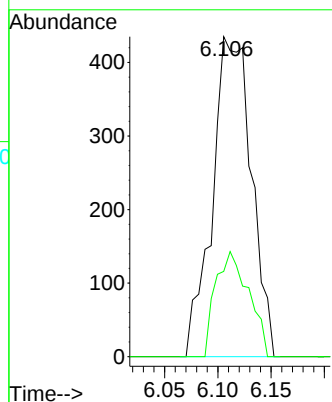
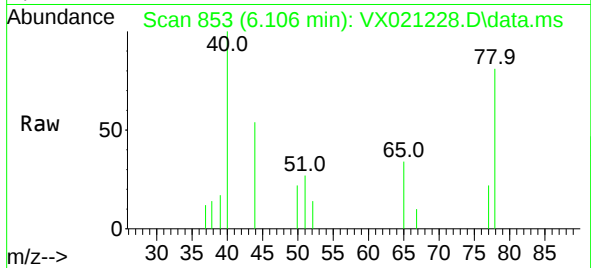




#40
Benzene
Concen: 0.28 ug/l
RT: 6.106 min Scan# 853
Delta R.T. -0.006 min
Lab File: VX021228.D
Acq: 16 Mar 2021 03:04

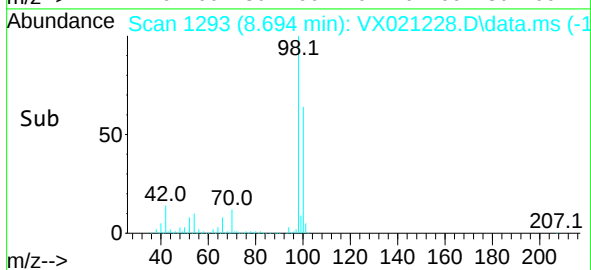
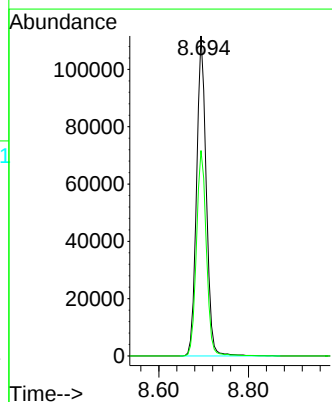
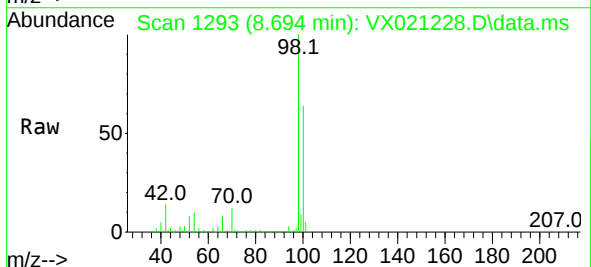
Instrument :
MSVOA_X
ClientSampled :
30821

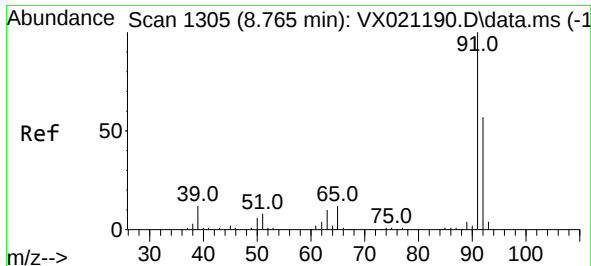
Tgt Ion: 78 Resp: 1106
Ion Ratio Lower Upper
78 100
77 26.7 18.9 28.3



#50
Toluene-d8
Concen: 50.76 ug/l
RT: 8.694 min Scan# 1293
Delta R.T. -0.000 min
Lab File: VX021228.D
Acq: 16 Mar 2021 03:04

Tgt Ion: 98 Resp: 167263
Ion Ratio Lower Upper
98 100
100 65.7 51.9 77.9

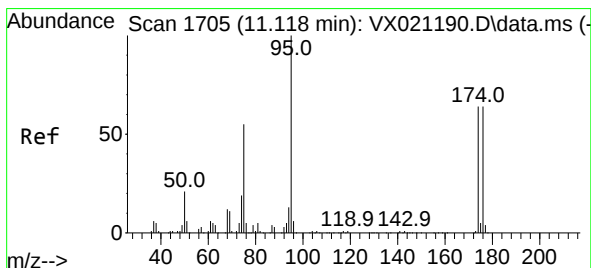
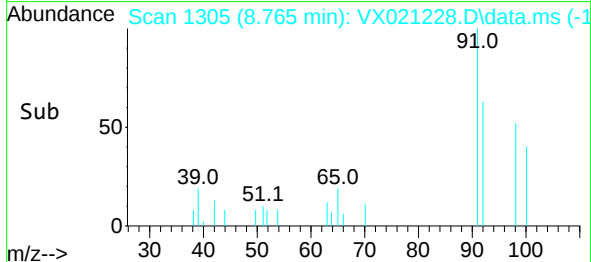
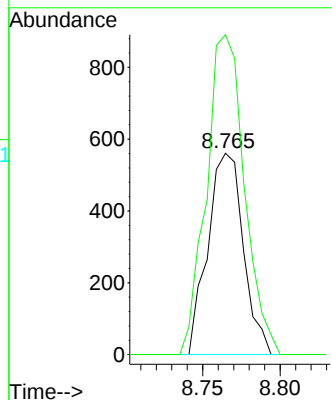
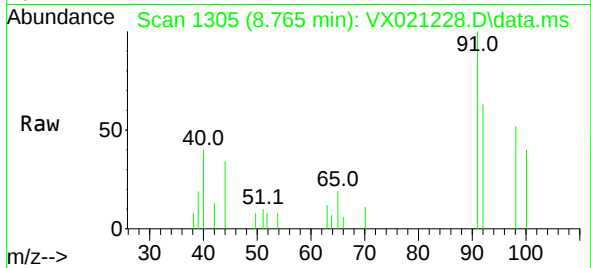




#52
Toluene
Concen: 0.38 ug/l
RT: 8.765 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VX021228.D
Acq: 16 Mar 2021 03:04

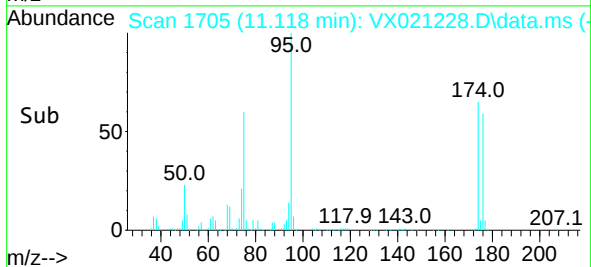
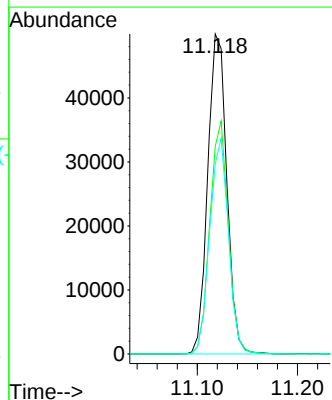
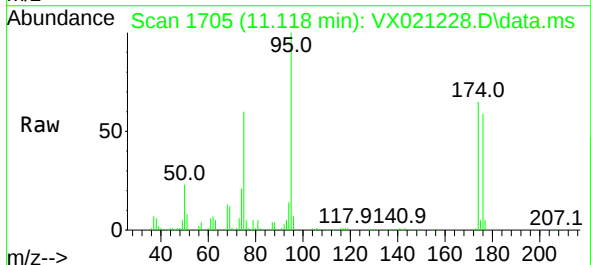
Instrument :
MSVOA_X
ClientSampled :
30821

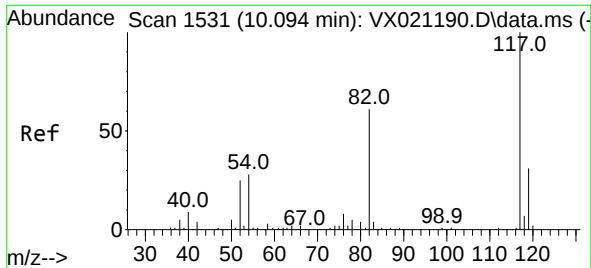
Tgt Ion: 92 Resp: 894
Ion Ratio Lower Upper
92 100
91 170.0 137.1 205.7



#62
4-Bromofluorobenzene
Concen: 52.54 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.000 min
Lab File: VX021228.D
Acq: 16 Mar 2021 03:04

Tgt Ion: 95 Resp: 65973
Ion Ratio Lower Upper
95 100
174 70.6 0.0 154.6
176 66.2 0.0 155.8

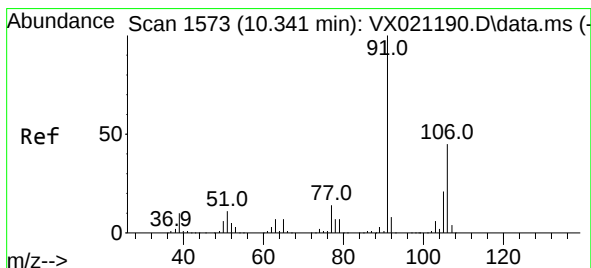
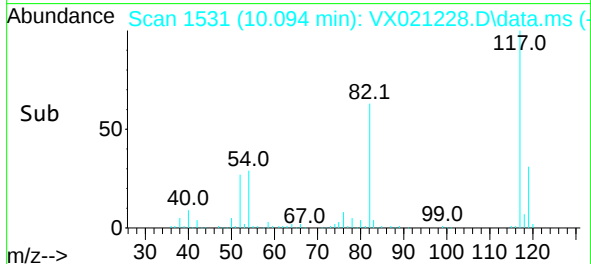
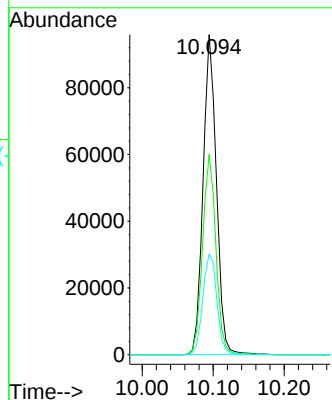
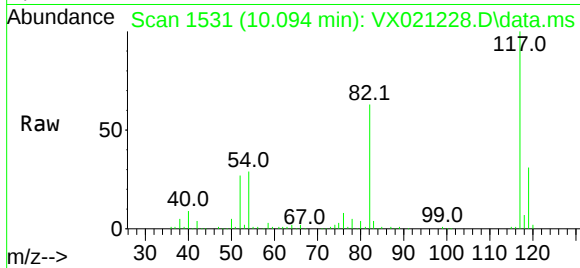




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.094 min Scan# 1531
Delta R.T. -0.000 min
Lab File: VX021228.D
Acq: 16 Mar 2021 03:04

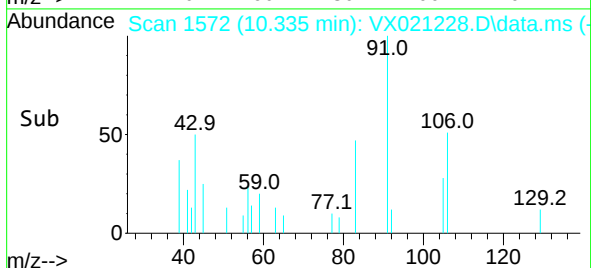
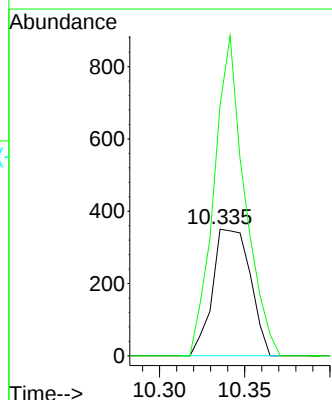
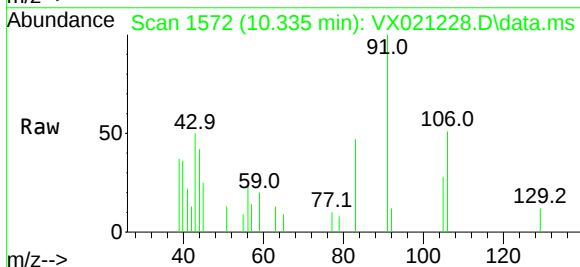
Instrument :
MSVOA_X
ClientSampled :
30821

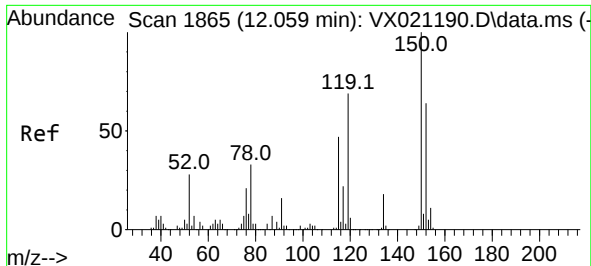
Tgt Ion:117 Resp: 125548
Ion Ratio Lower Upper
117 100
82 62.6 47.4 71.2
119 31.4 26.6 39.8



#68
m/p-Xylenes
Concen: 0.31 ug/l
RT: 10.335 min Scan# 1572
Delta R.T. -0.006 min
Lab File: VX021228.D
Acq: 16 Mar 2021 03:04

Tgt Ion:106 Resp: 539
Ion Ratio Lower Upper
106 100
91 206.1 162.8 244.2

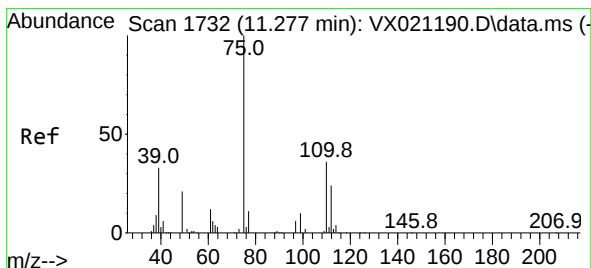
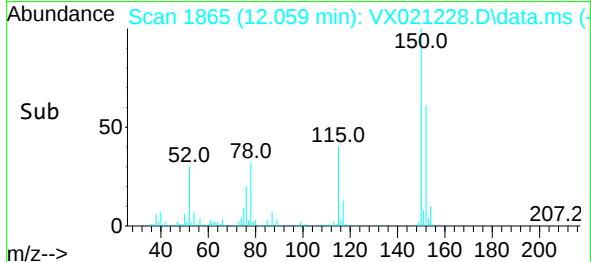
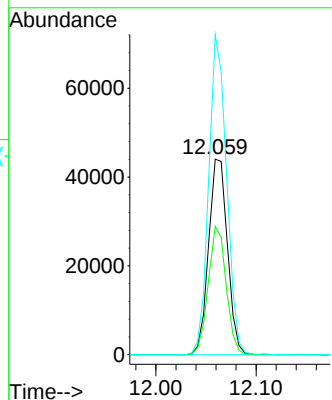
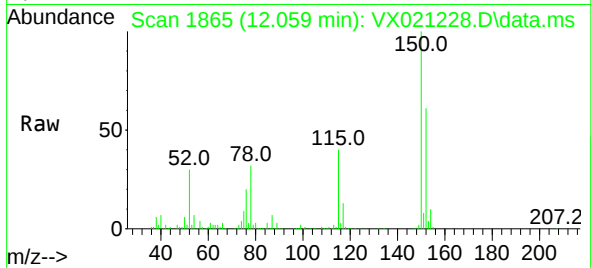




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.059 min Scan# 1865
Delta R.T. -0.006 min
Lab File: VX021228.D
Acq: 16 Mar 2021 03:04

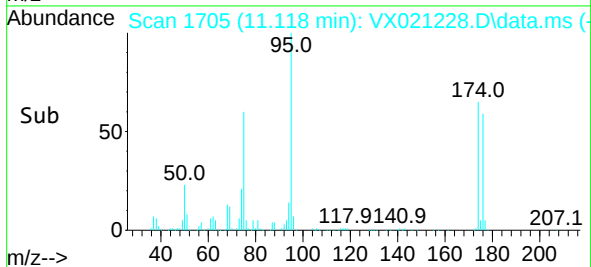
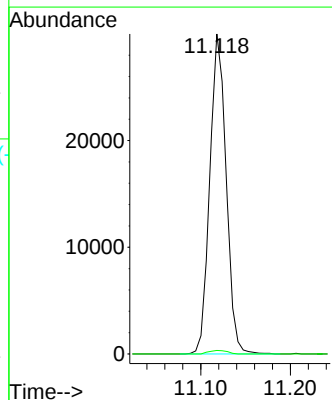
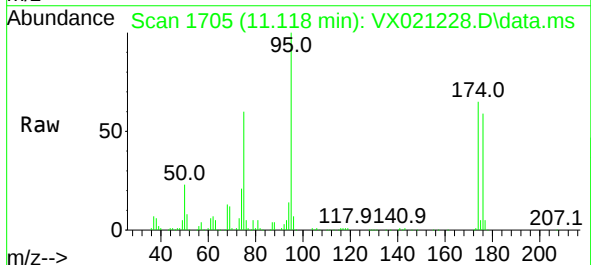
Instrument :
MSVOA_X
ClientSampled :
30821

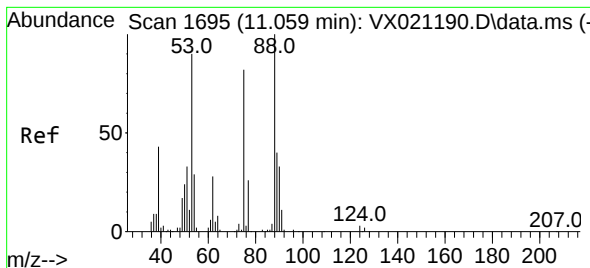
Tgt Ion:152 Resp: 57570
Ion Ratio Lower Upper
152 100
115 62.4 41.1 123.3
150 154.9 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 26.63 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. -0.159 min
Lab File: VX021228.D
Acq: 16 Mar 2021 03:04

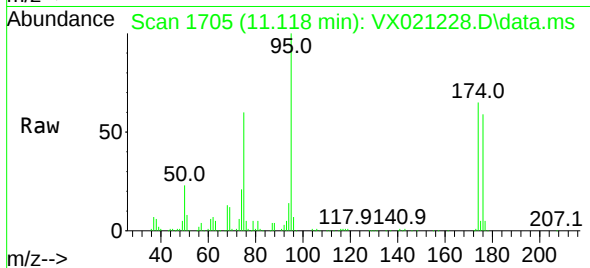
Tgt Ion: 75 Resp: 38008
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



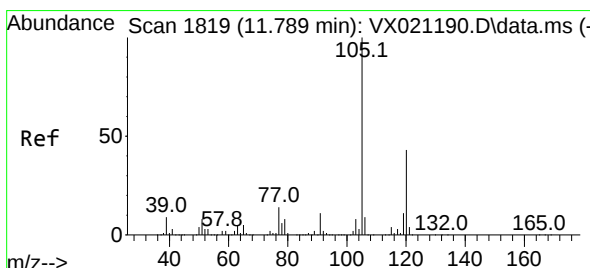
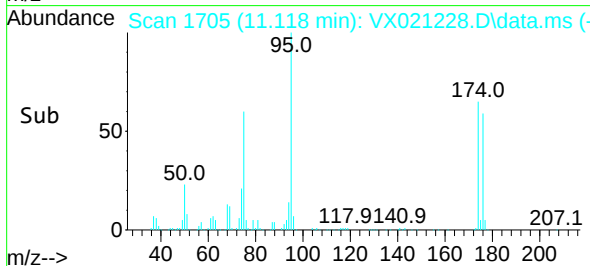
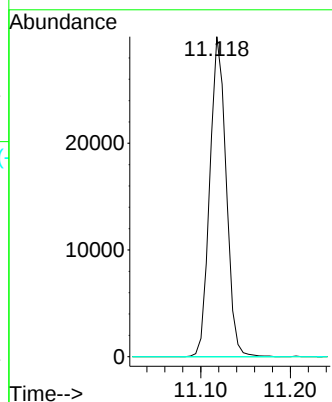


#81
trans-1,4-Dichloro-2-butene
Concen: 75.57 ug/l
RT: 11.118 min Scan# 1705
Delta R.T. 0.059 min
Lab File: VX021228.D
Acq: 16 Mar 2021 03:04

Instrument :
MSVOA_X
ClientSampleId :
30821

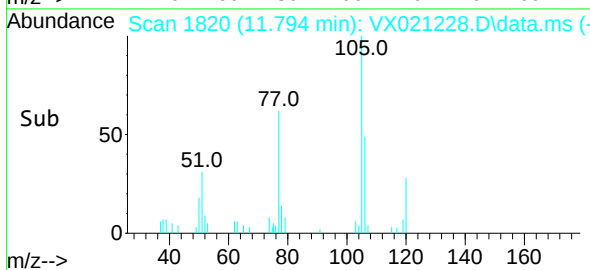
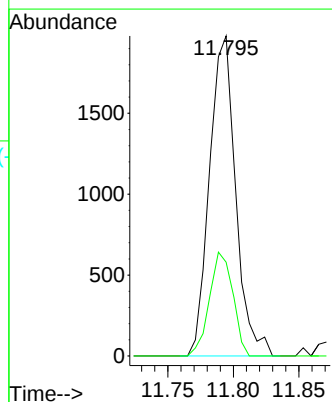
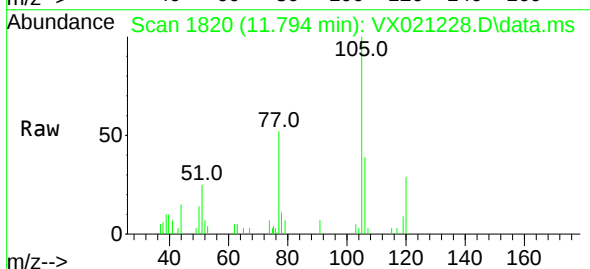


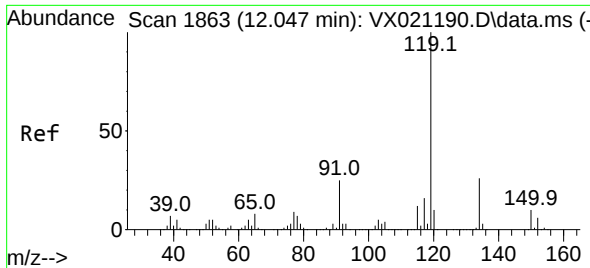
Tgt Ion: 75 Resp: 38008
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#84
1,2,4-Trimethylbenzene
Concen: 0.73 ug/l
RT: 11.794 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VX021228.D
Acq: 16 Mar 2021 03:04

Tgt Ion: 105 Resp: 2747
Ion Ratio Lower Upper
105 100
120 29.0 22.4 67.3

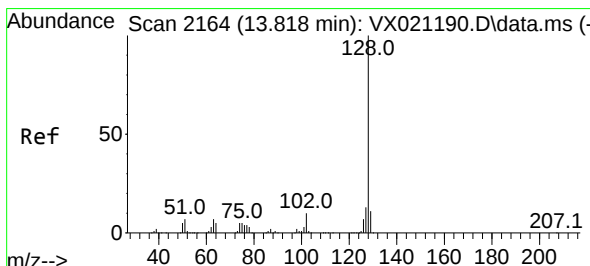
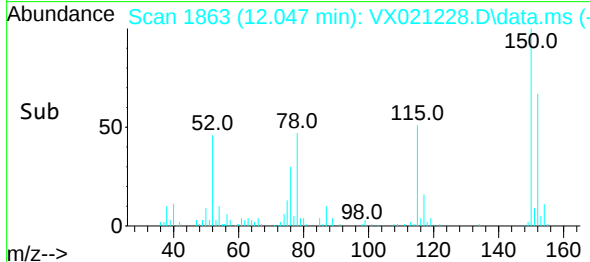
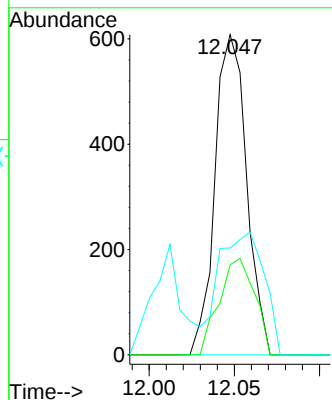
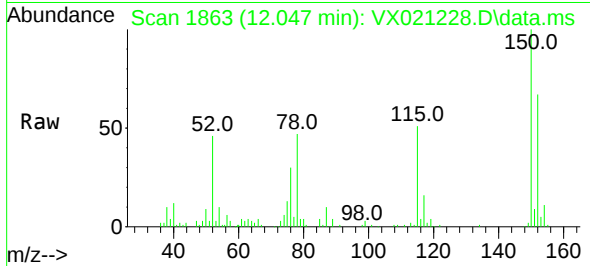




#86
p-Isopropyltoluene
Concen: 0.21 ug/l
RT: 12.047 min Scan# 1863
Delta R.T. -0.000 min
Lab File: VX021228.D
Acq: 16 Mar 2021 03:04

Instrument :
MSVOA_X
ClientSampled :
30821

Tgt Ion:	119	Resp:	784
Ion	Ratio	Lower	Upper
119	100		
134	33.8	12.9	38.7
91	55.2	11.7	35.0#



#95
Naphthalene
Concen: 2.45 ug/l
RT: 13.818 min Scan# 2164
Delta R.T. 0.000 min
Lab File: VX021228.D
Acq: 16 Mar 2021 03:04

Tgt Ion:	128	Resp:	4312
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.3	15.5
129	12.2	8.8	13.2

