

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX042122\
 Data File : VX028252.D
 Acq On : 21 Apr 2022 19:29
 Operator : JC/MD
 Sample : N2459-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 31580

Quant Time: Apr 22 06:18:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041922W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 19 13:38:04 2022
 Response via : Initial Calibration

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

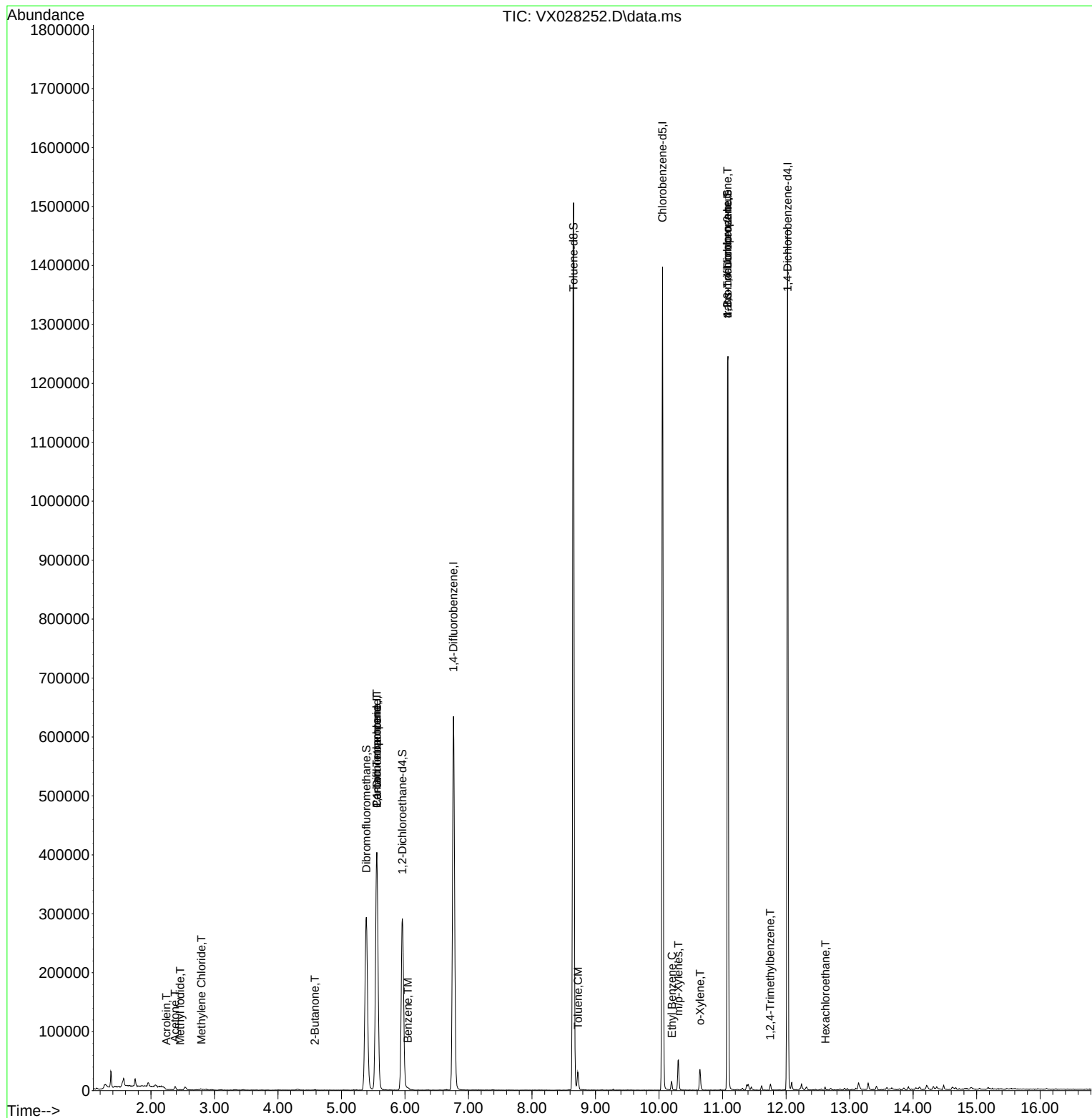
Internal Standards						
1) Pentafluorobenzene	5.556	168	394437	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	677979	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	636874	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	300229	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	279372	54.321	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 108.640%			
35) Dibromofluoromethane	5.391	113	254010	53.424	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 106.840%			
50) Toluene-d8	8.653	98	925724	50.693	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 101.380%			
62) 4-Bromofluorobenzene	11.079	95	335511	48.051	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 96.100%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	708	Below Cal	#	81
5) Bromomethane	1.617	94	575	Below Cal		87
6) Chloroethane	1.642	64	161	Below Cal	#	51
8) Diethyl Ether	1.873	74	48	Below Cal	#	1
10) Methyl Iodide	2.459	142	362	5.309 ug/l	#	76
11) Tert butyl alcohol	2.959	59	660	Below Cal	#	72
13) Acrolein	2.239	56	262	0.416 ug/l	#	15
16) Acetone	2.380	43	6431	2.713 ug/l	#	79
20) Methylene Chloride	2.794	84	777	0.204 ug/l	#	88
25) 2-Butanone	4.580	43	1026	0.337 ug/l	#	79
36) 1,1-Dichloropropene	5.556	75	28180	4.544 ug/l	#	49
38) Carbon Tetrachloride	5.556	117	39576	5.653 ug/l	#	16
40) Benzene	6.043	78	3936	0.217 ug/l	#	90
52) Toluene	8.726	92	11178	0.886 ug/l		99
67) Ethyl Benzene	10.201	91	8819	0.387 ug/l		97
68) m/p-Xylenes	10.305	106	13039	1.407 ug/l		96
69) o-Xylene	10.646	106	8267	0.895 ug/l		98
76) 1,2,3-Trichloropropane	11.079	75	167173	28.293 ug/l	#	38
81) trans-1,4-Dichloro-2-b...	11.079	75	167173	84.078 ug/l	#	15
84) 1,2,4-Trimethylbenzene	11.750	105	4687	0.269 ug/l		99
90) Hexachloroethane	12.622	117	294	1.898 ug/l	#	10

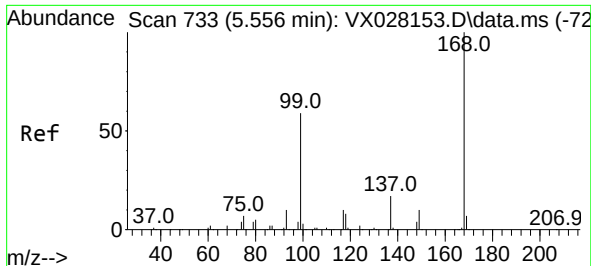
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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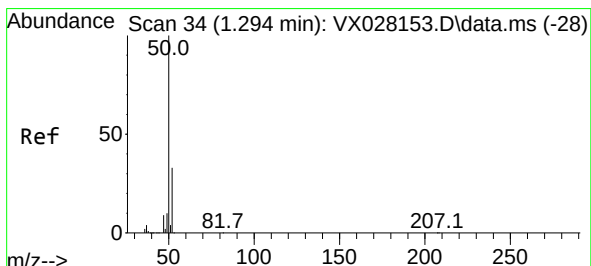
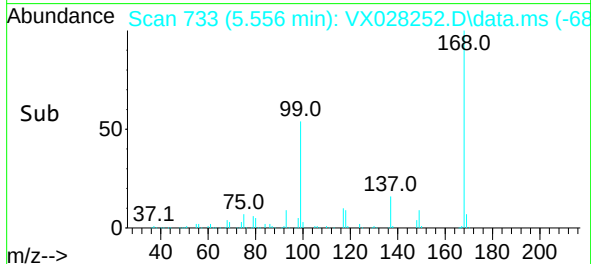
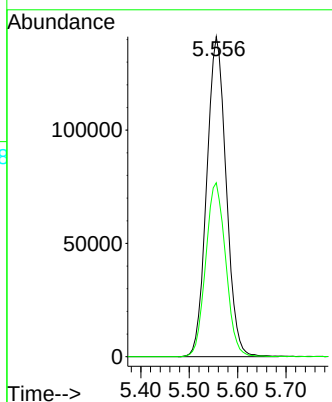
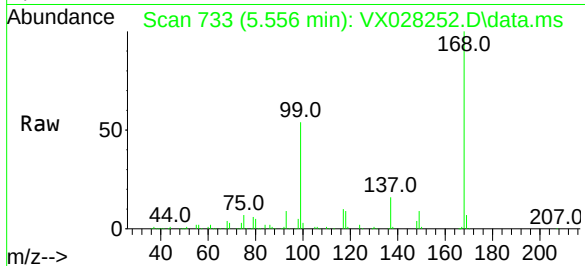




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX028252.D
Acq: 21 Apr 2022 19:29

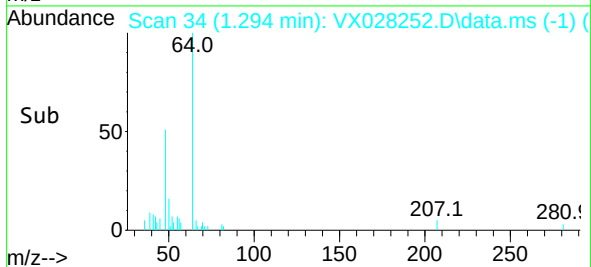
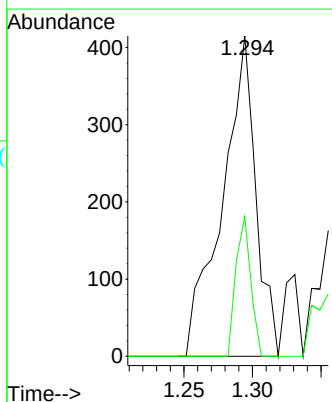
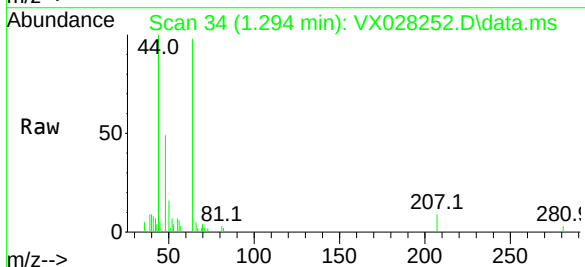
Instrument :
MSVOA_X
ClientSampleId :
31580

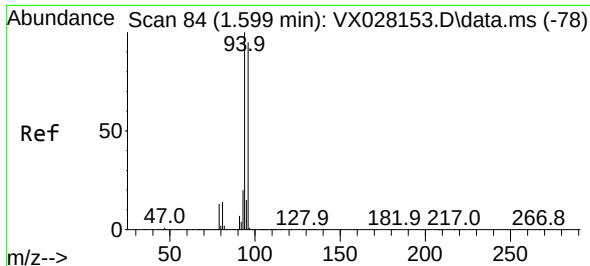
Tgt Ion:168 Resp: 394437
Ion Ratio Lower Upper
168 100
99 54.4 41.7 62.5



#3
Chloromethane
Concen: Below Cal
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX028252.D
Acq: 21 Apr 2022 19:29

Tgt Ion: 50 Resp: 708
Ion Ratio Lower Upper
50 100
52 43.6 26.4 39.6#

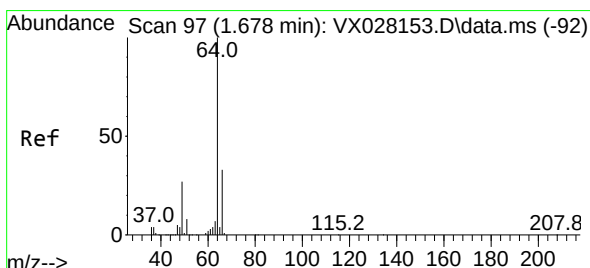
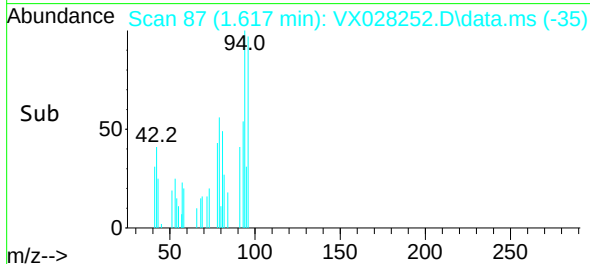
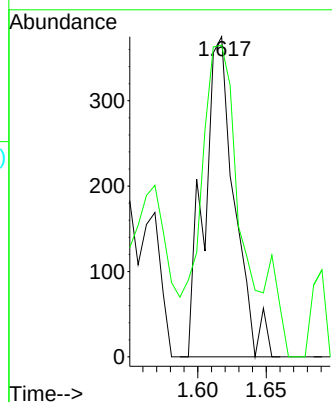
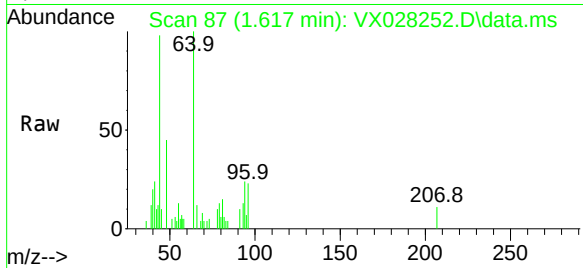




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX028252.D
Acq: 21 Apr 2022 19:29

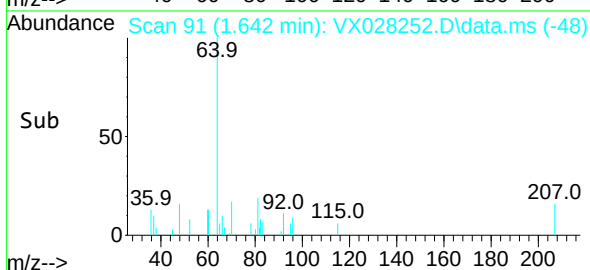
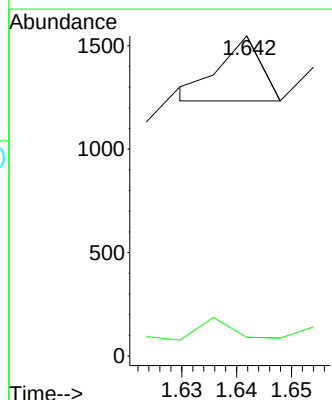
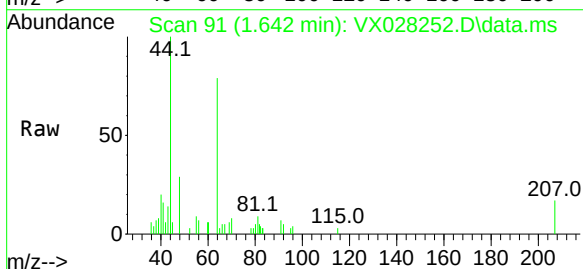
Instrument :
MSVOA_X
ClientSampleId :
31580

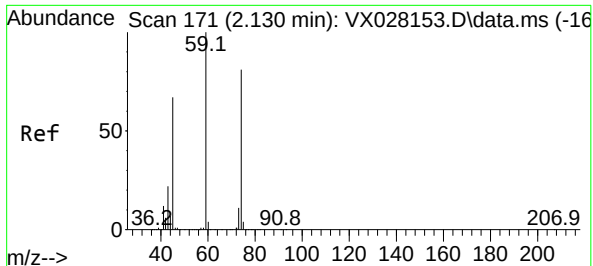
Tgt Ion: 94 Resp: 575
Ion Ratio Lower Upper
94 100
96 81.9 75.3 112.9



#6
Chloroethane
Concen: Below Cal
RT: 1.642 min Scan# 91
Delta R.T. -0.036 min
Lab File: VX028252.D
Acq: 21 Apr 2022 19:29

Tgt Ion: 64 Resp: 161
Ion Ratio Lower Upper
64 100
66 4.5 25.3 37.9#

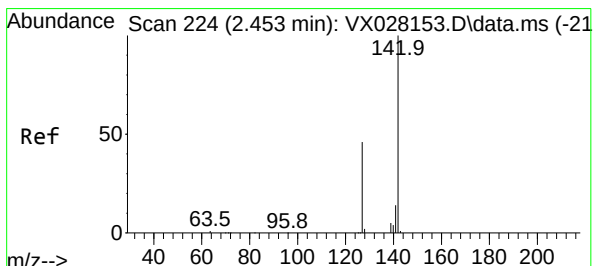
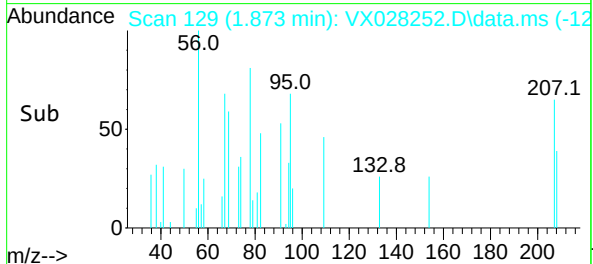
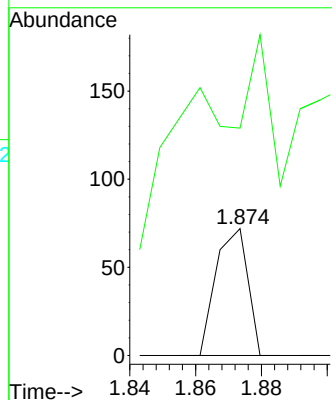
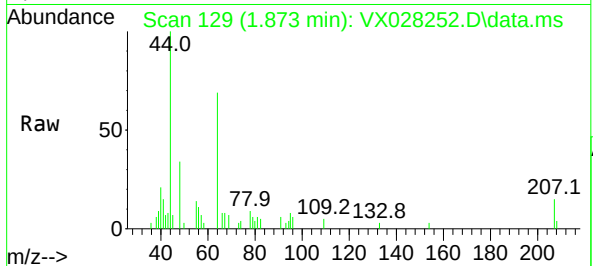




#8
Diethyl Ether
Concen: Below Cal
RT: 1.873 min Scan# 11
Delta R.T. -0.256 min
Lab File: VX028252.D
Acq: 21 Apr 2022 19:29

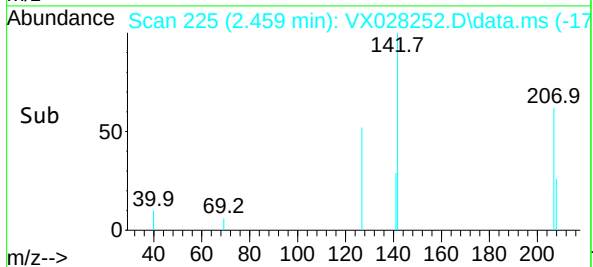
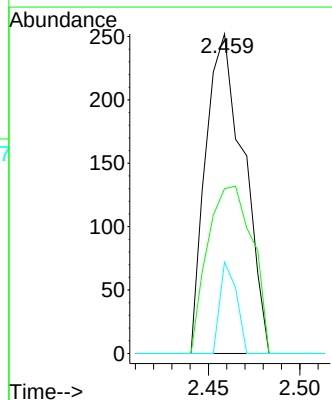
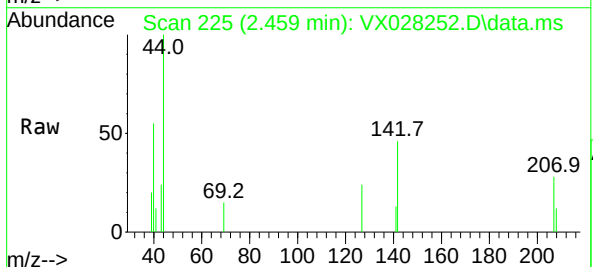
Instrument :
MSVOA_X
ClientSampleId :
31580

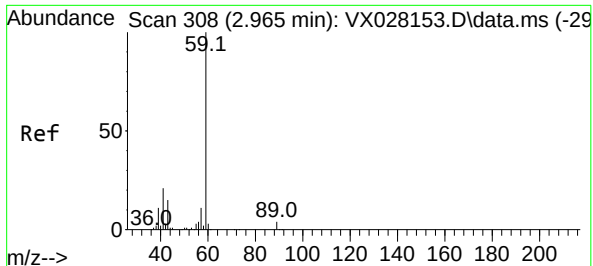
Tgt Ion: 74 Resp: 48
Ion Ratio Lower Upper
74 100
45 277.1 42.0 126.0#



#10
Methyl Iodide
Concen: 5.309 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX028252.D
Acq: 21 Apr 2022 19:29

Tgt Ion:142 Resp: 362
Ion Ratio Lower Upper
142 100
127 62.2 33.9 50.9#
141 12.4 11.4 17.2

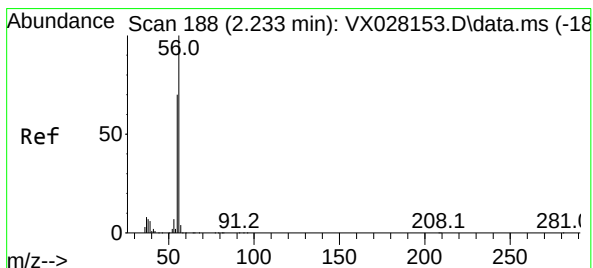
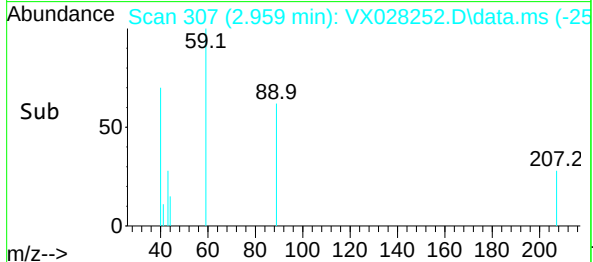
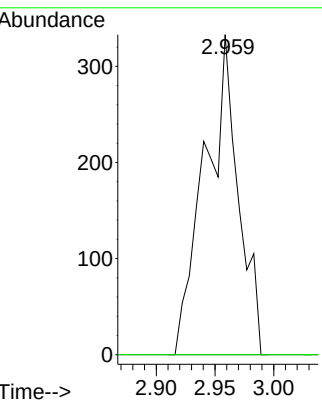
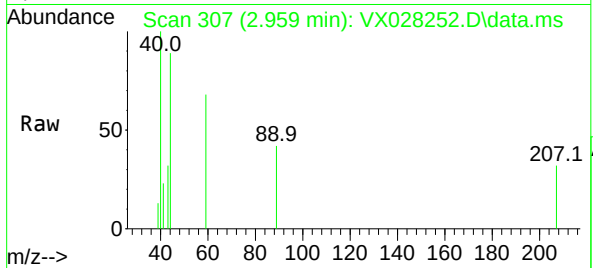




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 308
Delta R.T. -0.006 min
Lab File: VX028252.D
Acq: 21 Apr 2022 19:29

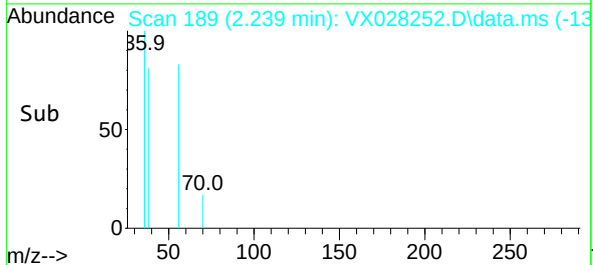
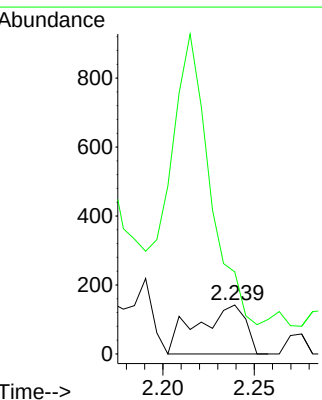
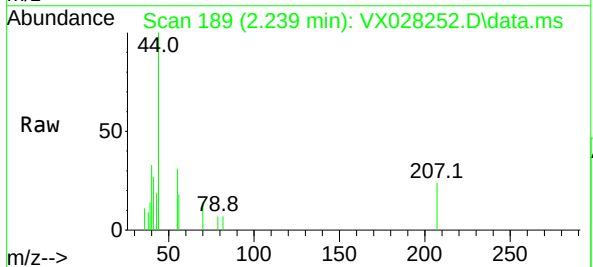
Instrument :
MSVOA_X
ClientSampleId :
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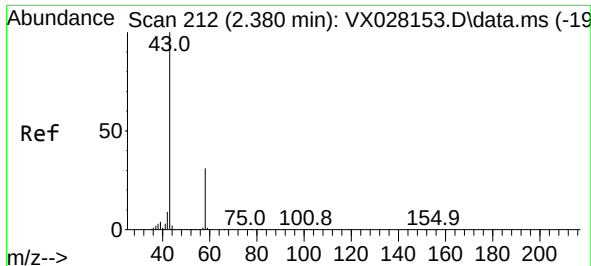
Tgt Ion: 59 Resp: 660
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 0.416 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX028252.D
Acq: 21 Apr 2022 19:29

Tgt Ion: 56 Resp: 262
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.6#

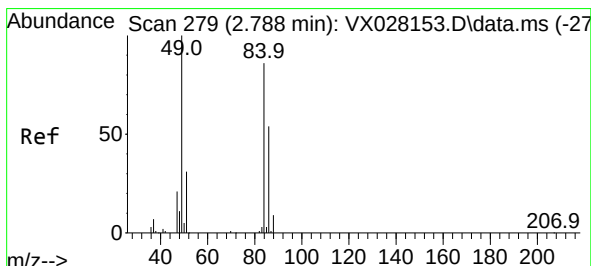
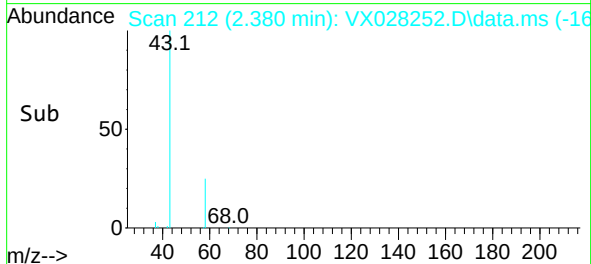
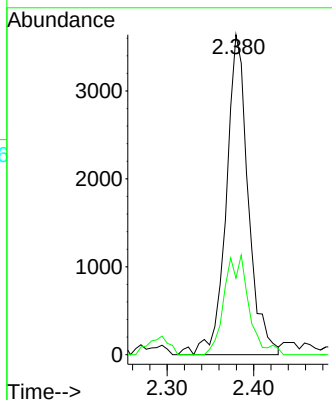
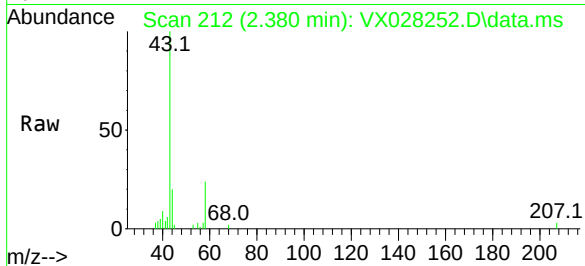




#16
Acetone
Concen: 2.713 ug/l
RT: 2.380 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX028252.D
Acq: 21 Apr 2022 19:29

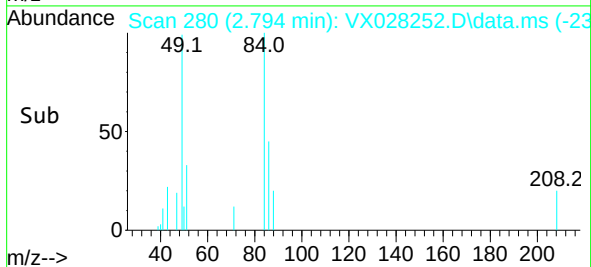
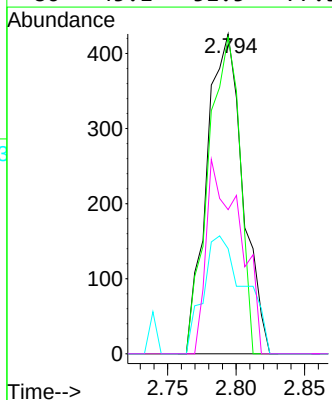
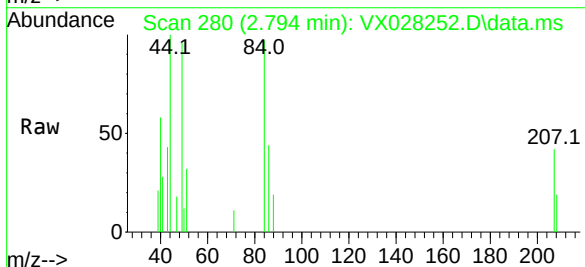
Instrument :
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ClientSampleId :
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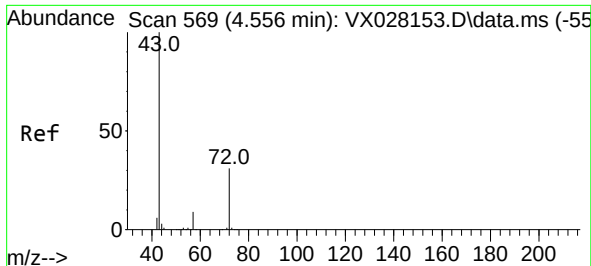
Tgt Ion: 43 Resp: 6431
Ion Ratio Lower Upper
43 100
58 23.9 28.8 43.2#



#20
Methylene Chloride
Concen: 0.204 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX028252.D
Acq: 21 Apr 2022 19:29

Tgt Ion: 84 Resp: 777
Ion Ratio Lower Upper
84 100
49 99.1 85.5 128.3
51 32.9 26.6 39.8
86 45.1 51.5 77.3#

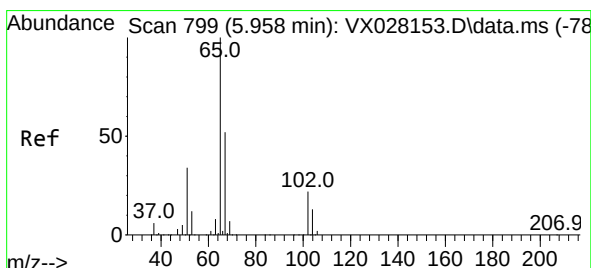
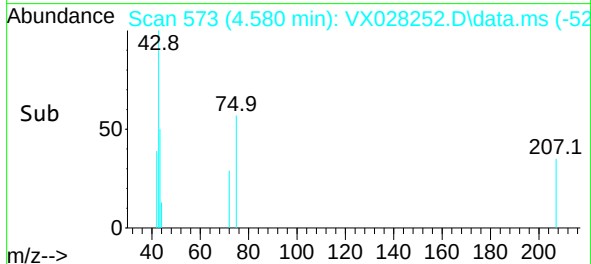
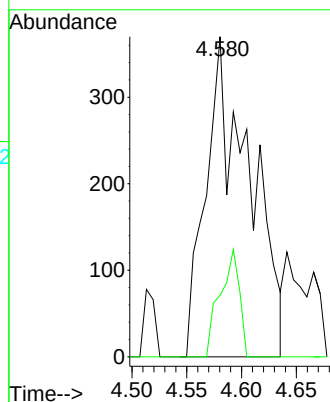
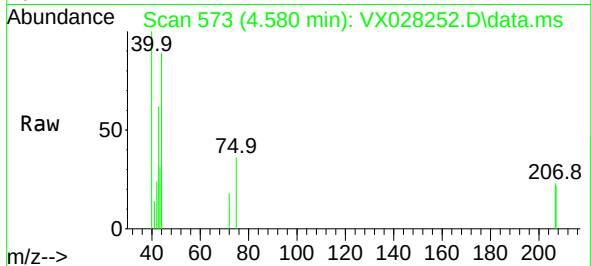




#25
2-Butanone
Concen: 0.337 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX028252.D
Acq: 21 Apr 2022 19:29

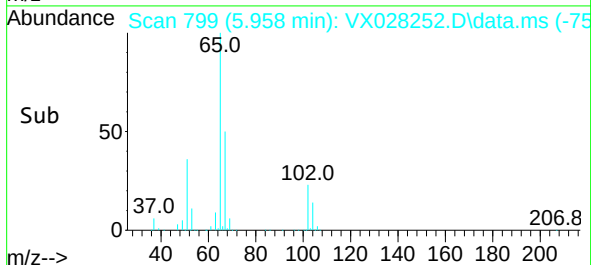
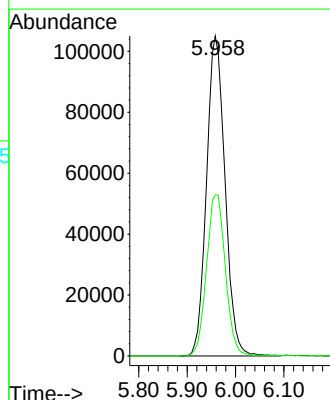
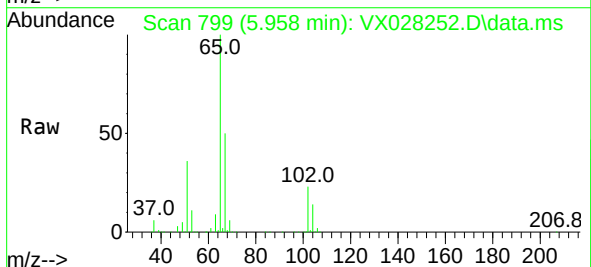
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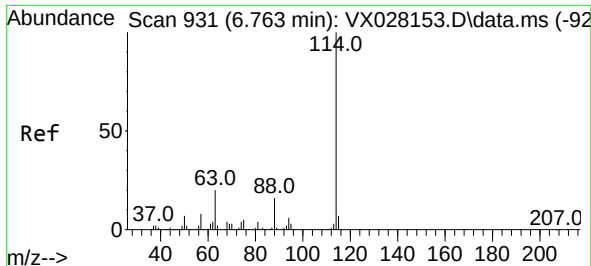
Tgt Ion: 43 Resp: 1026
Ion Ratio Lower Upper
43 100
72 19.2 24.4 36.6#



#33
1,2-Dichloroethane-d4
Concen: 54.321 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX028252.D
Acq: 21 Apr 2022 19:29

Tgt Ion: 65 Resp: 279372
Ion Ratio Lower Upper
65 100
67 51.3 0.0 107.4

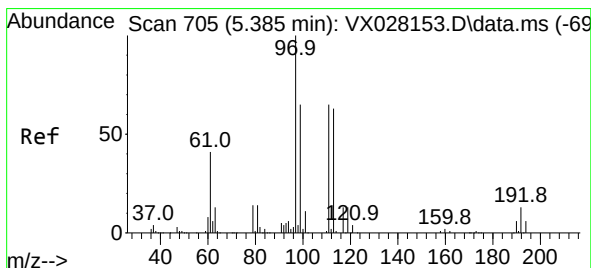
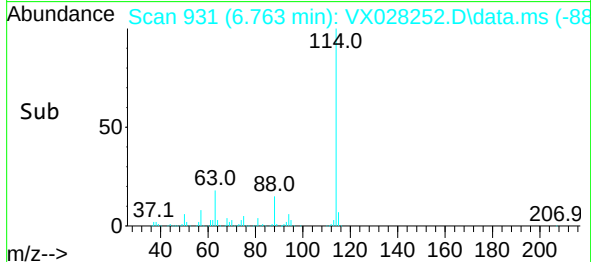
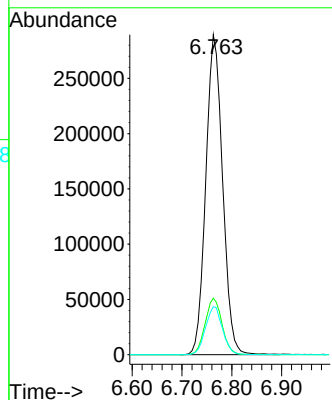
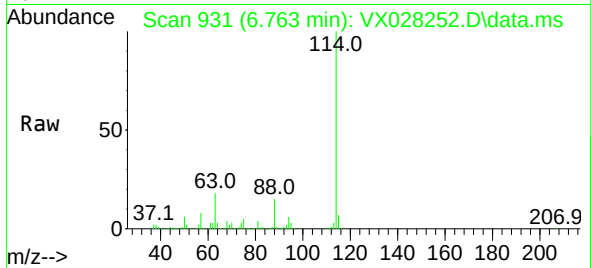




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX028252.D
Acq: 21 Apr 2022 19:29

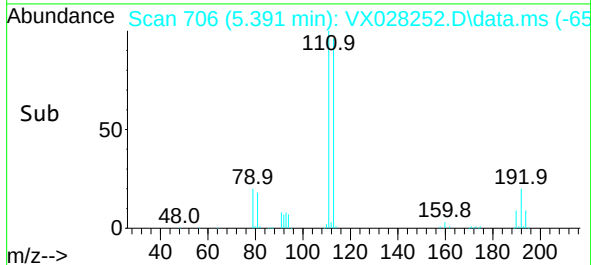
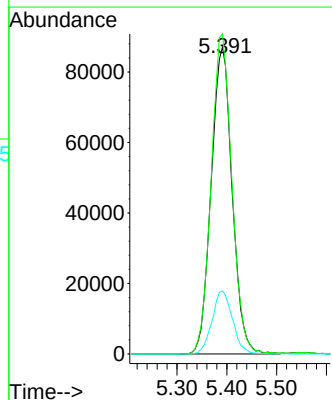
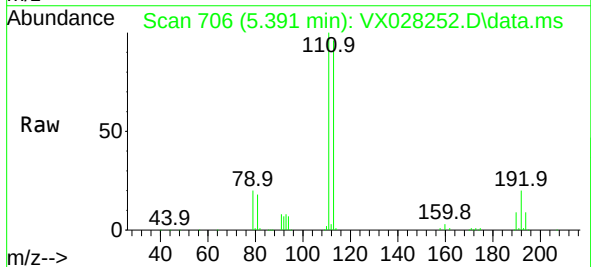
Instrument :
MSVOA_X
ClientSampleId :
31580

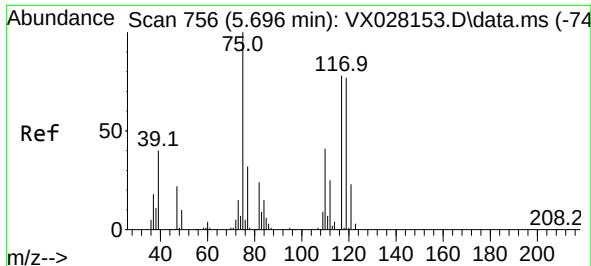
Tgt Ion:114 Resp: 677979
Ion Ratio Lower Upper
114 100
63 17.7 0.0 36.8
88 15.0 0.0 32.4



#35
Dibromofluoromethane
Concen: 53.424 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX028252.D
Acq: 21 Apr 2022 19:29

Tgt Ion:113 Resp: 254010
Ion Ratio Lower Upper
113 100
111 103.1 82.8 124.2
192 20.1 16.9 25.3

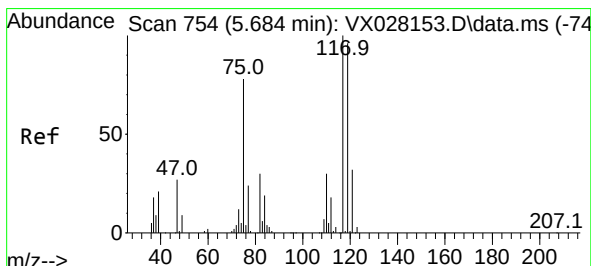
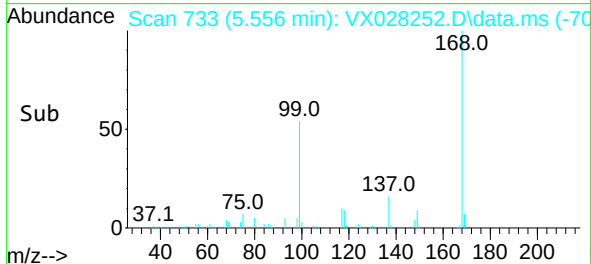
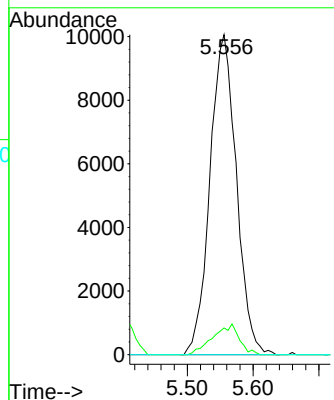
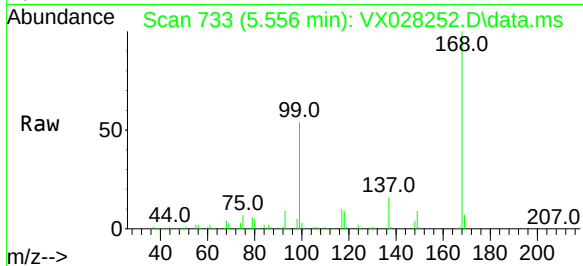




#36
 1,1-Dichloropropene
 Concen: 4.544 ug/l
 RT: 5.556 min Scan# 711
 Delta R.T. -0.140 min
 Lab File: VX028252.D
 Acq: 21 Apr 2022 19:29

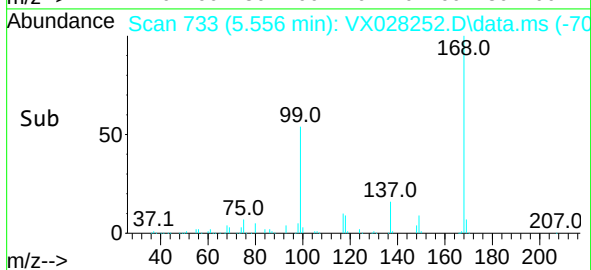
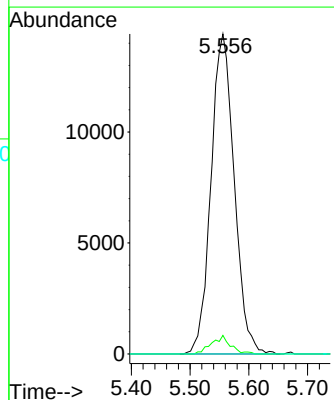
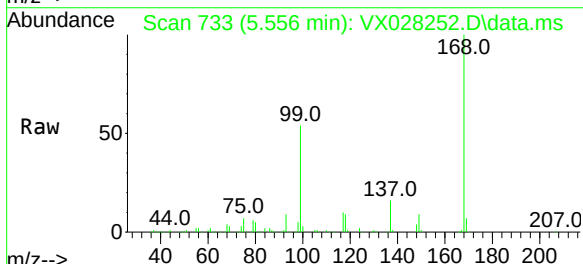
Instrument :
 MSVOA_X
 ClientSampleId :
 31580

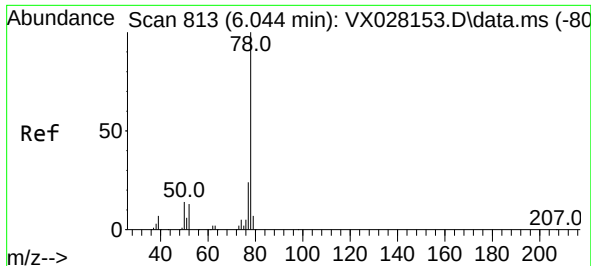
Tgt Ion: 75 Resp: 28180
 Ion Ratio Lower Upper
 75 100
 110 9.5 18.3 54.8#
 77 0.0 24.8 37.2#



#38
 Carbon Tetrachloride
 Concen: 5.653 ug/l
 RT: 5.556 min Scan# 733
 Delta R.T. -0.128 min
 Lab File: VX028252.D
 Acq: 21 Apr 2022 19:29

Tgt Ion: 117 Resp: 39576
 Ion Ratio Lower Upper
 117 100
 119 5.8 77.3 115.9#
 121 0.0 24.2 36.2#





#40

Benzene

Concen: 0.217 ug/l

RT: 6.043 min Scan# 813

Delta R.T. -0.001 min

Lab File: VX028252.D

Acq: 21 Apr 2022 19:29

Instrument :

MSVOA_X

ClientSampleId :

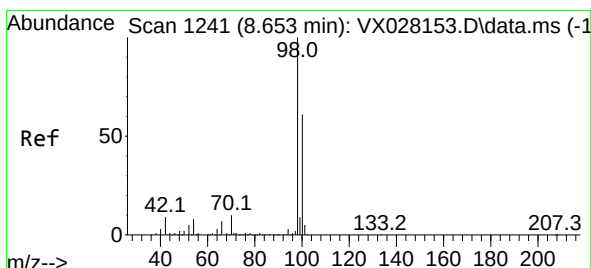
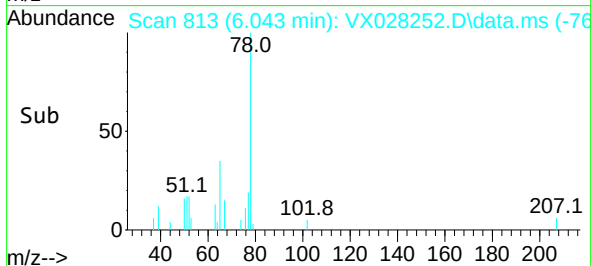
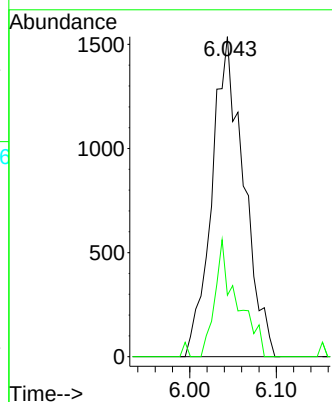
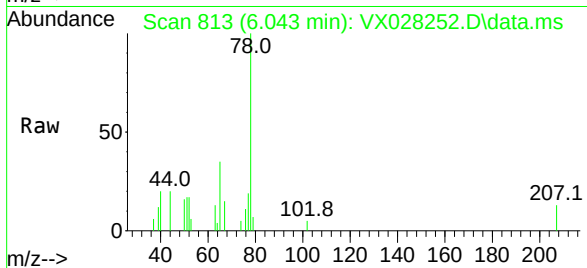
31580

Tgt Ion: 78 Resp: 3936

Ion Ratio Lower Upper

78 100

77 19.2 19.3 28.9#



#50

Toluene-d8

Concen: 50.693 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028252.D

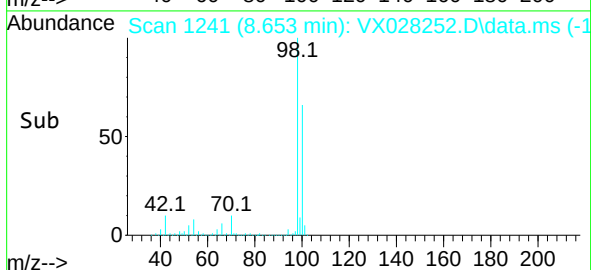
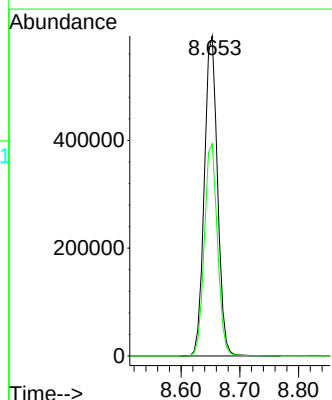
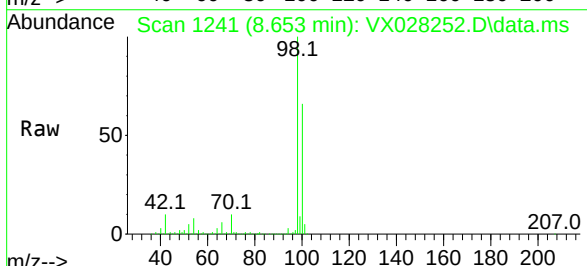
Acq: 21 Apr 2022 19:29

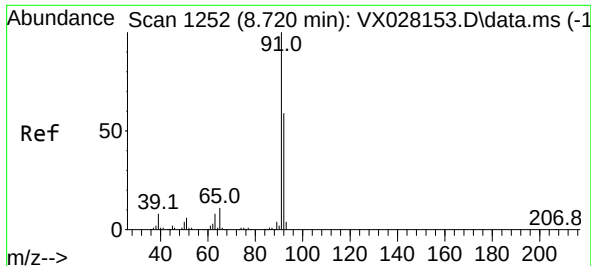
Tgt Ion: 98 Resp: 925724

Ion Ratio Lower Upper

98 100

100 66.1 52.6 78.8

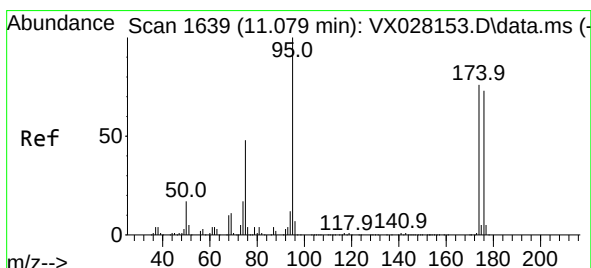
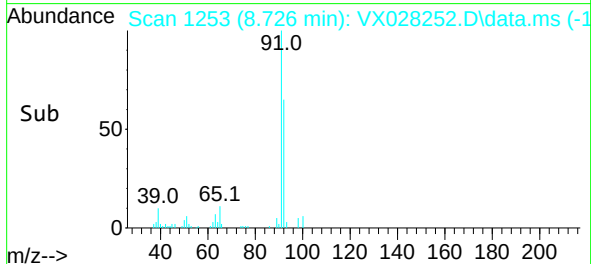
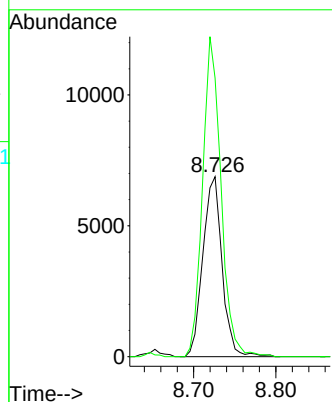
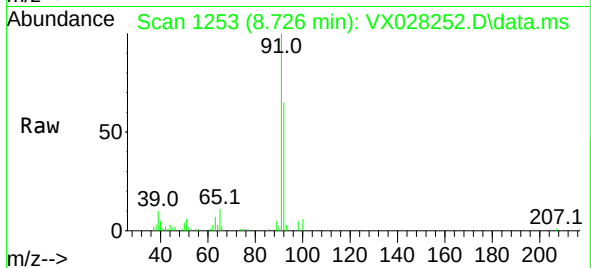




#52
Toluene
Concen: 0.886 ug/l
RT: 8.726 min Scan# 11178
Delta R.T. 0.006 min
Lab File: VX028252.D
Acq: 21 Apr 2022 19:29

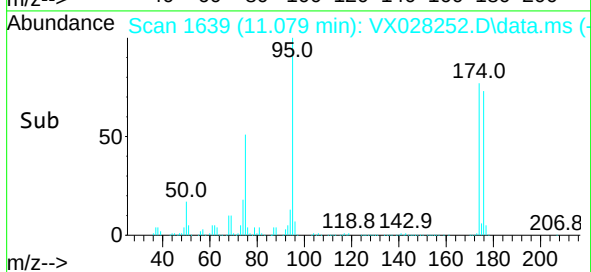
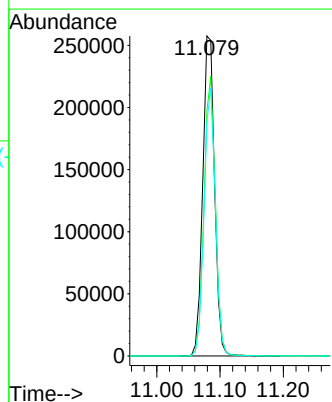
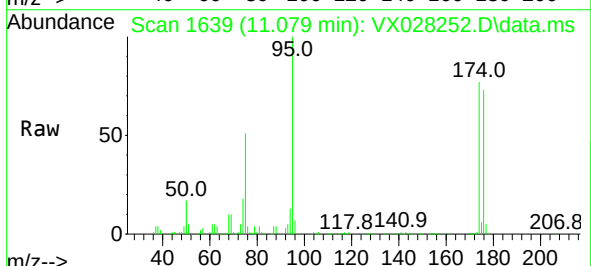
Instrument :
MSVOA_X
ClientSampleId :
31580

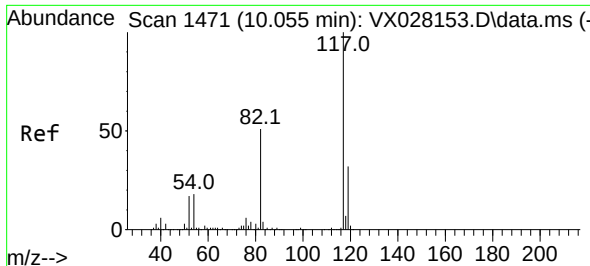
Tgt Ion: 92 Resp: 11178
Ion Ratio Lower Upper
92 100
91 170.4 137.5 206.3



#62
4-Bromofluorobenzene
Concen: 48.051 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX028252.D
Acq: 21 Apr 2022 19:29

Tgt Ion: 95 Resp: 335511
Ion Ratio Lower Upper
95 100
174 84.3 0.0 163.0
176 80.5 0.0 155.0

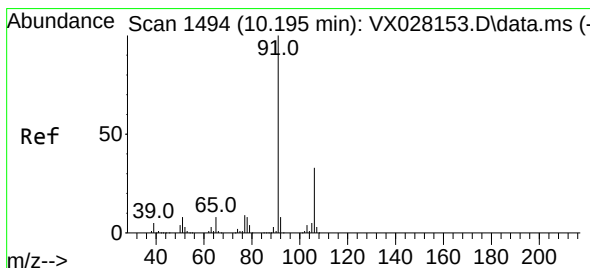
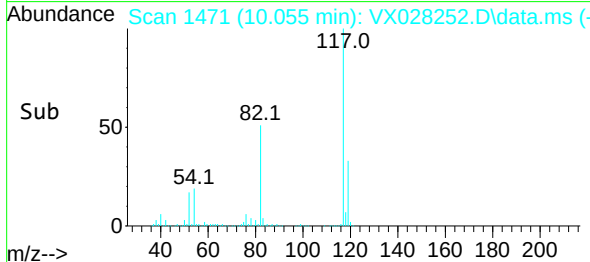
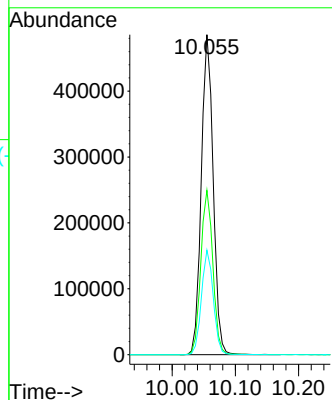
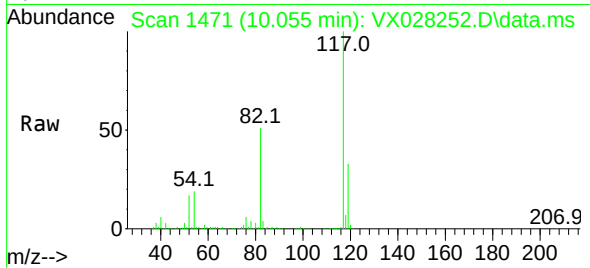




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX028252.D
Acq: 21 Apr 2022 19:29

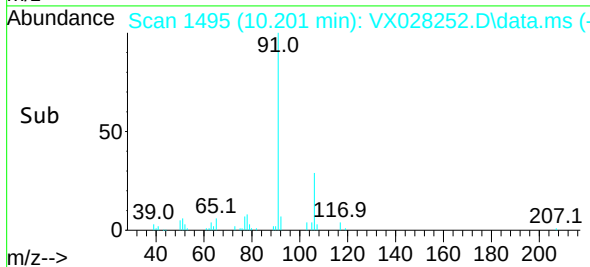
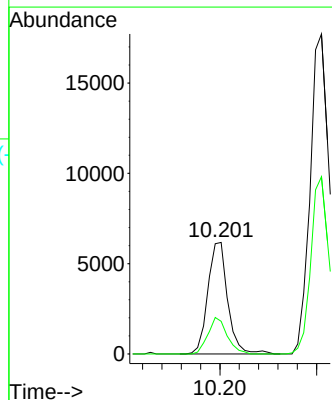
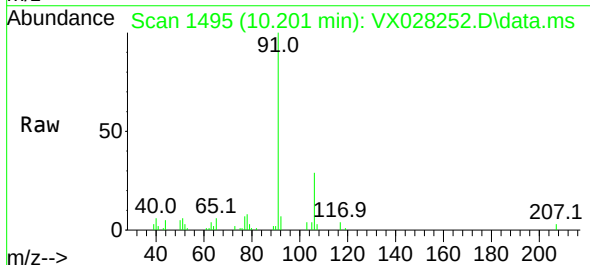
Instrument :
MSVOA_X
ClientSampleId :
31580

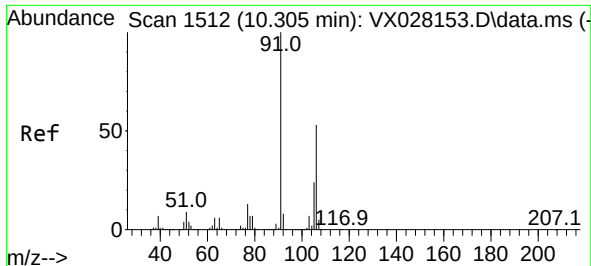
Tgt Ion:117 Resp: 636874
Ion Ratio Lower Upper
117 100
82 51.4 41.8 62.8
119 32.6 24.8 37.2



#67
Ethyl Benzene
Concen: 0.387 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX028252.D
Acq: 21 Apr 2022 19:29

Tgt Ion: 91 Resp: 8819
Ion Ratio Lower Upper
91 100
106 29.2 24.6 36.8

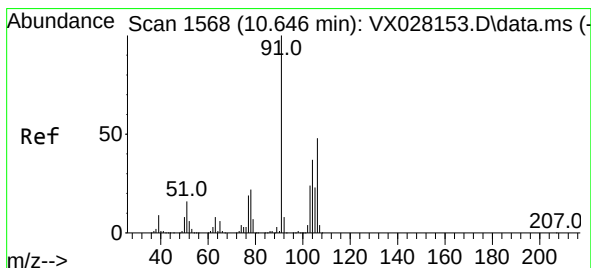
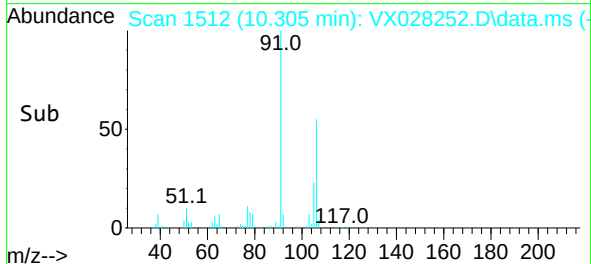
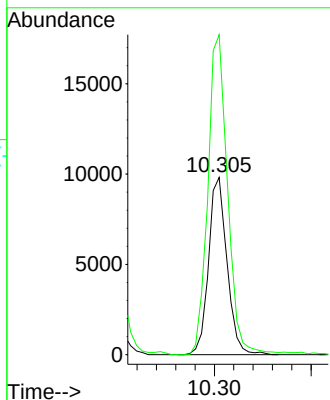
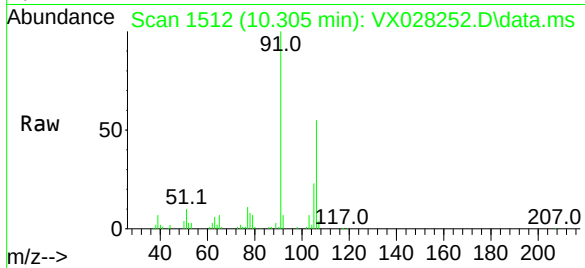




#68
m/p-Xylenes
Concen: 1.407 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX028252.D
Acq: 21 Apr 2022 19:29

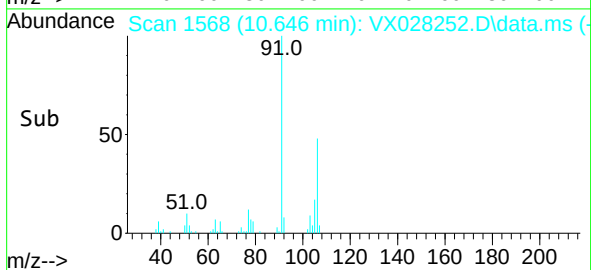
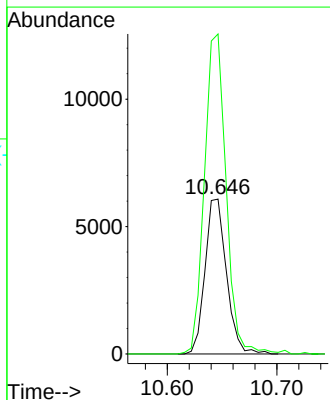
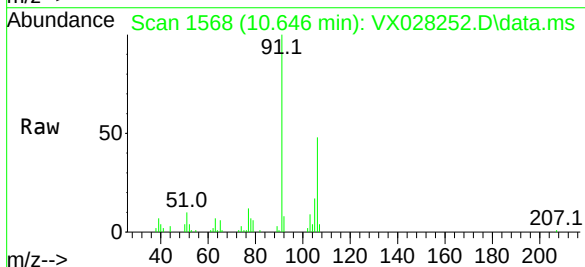
Instrument :
MSVOA_X
ClientSampleId :
31580

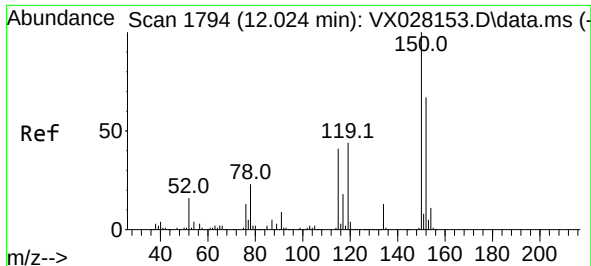
Tgt Ion:106 Resp: 13039
Ion Ratio Lower Upper
106 100
91 194.4 160.4 240.6



#69
o-Xylene
Concen: 0.895 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VX028252.D
Acq: 21 Apr 2022 19:29

Tgt Ion:106 Resp: 8267
Ion Ratio Lower Upper
106 100
91 208.6 106.1 318.1

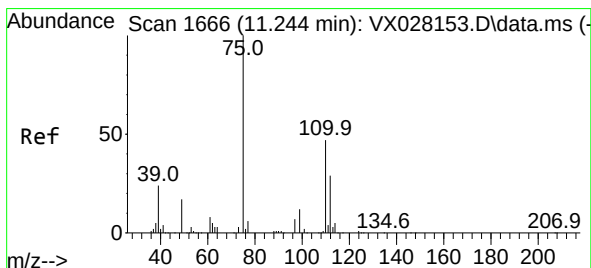
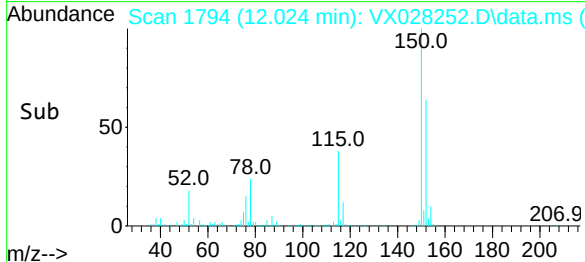
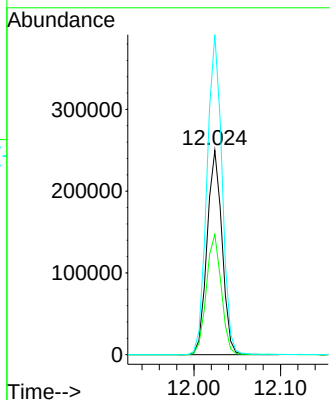
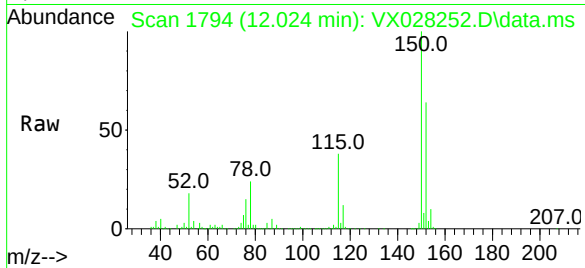




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028252.D
 Acq: 21 Apr 2022 19:29

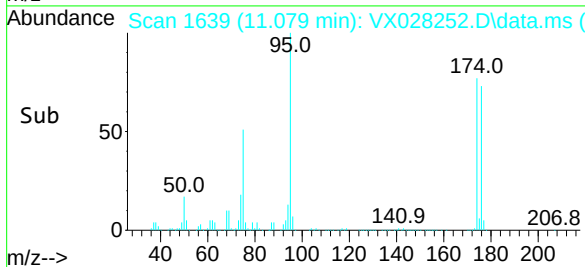
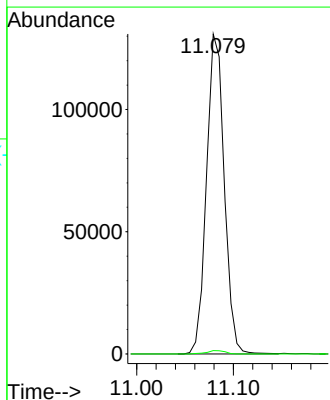
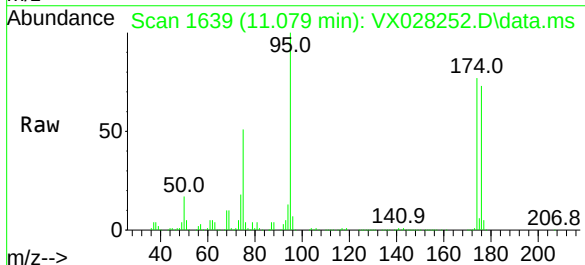
Instrument :
 MSVOA_X
 ClientSampleId :
 31580

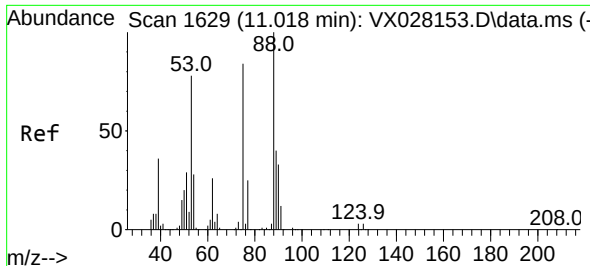
Tgt Ion:152 Resp: 300229
 Ion Ratio Lower Upper
 152 100
 115 58.7 37.5 112.7
 150 157.9 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 28.293 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX028252.D
 Acq: 21 Apr 2022 19:29

Tgt Ion: 75 Resp: 167173
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#

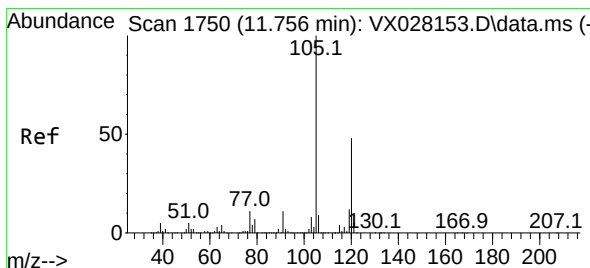
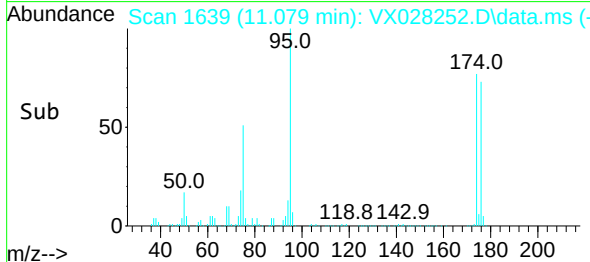
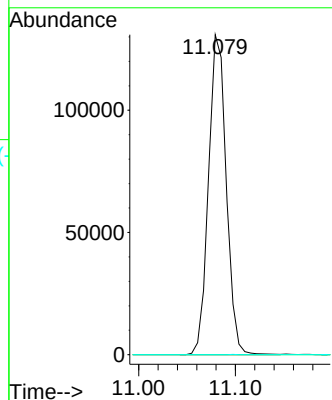
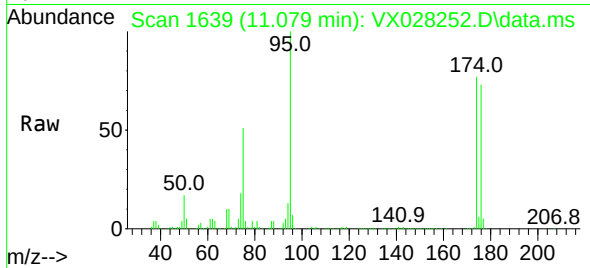




#81
trans-1,4-Dichloro-2-butene
Concen: 84.078 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX028252.D
Acq: 21 Apr 2022 19:29

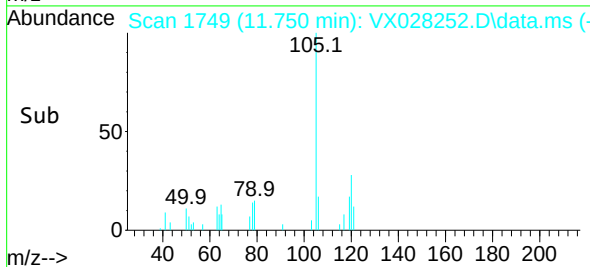
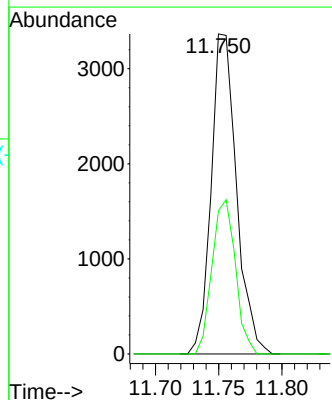
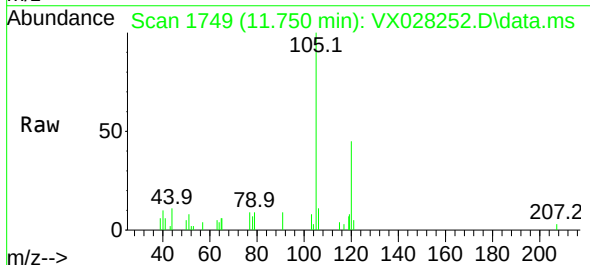
Instrument :
MSVOA_X
ClientSampleId :
31580

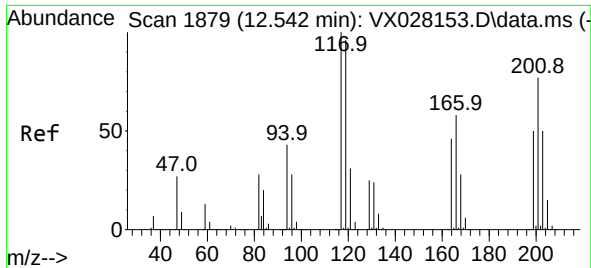
Tgt Ion: 75 Resp: 167173
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#84
1,2,4-Trimethylbenzene
Concen: 0.269 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VX028252.D
Acq: 21 Apr 2022 19:29

Tgt Ion: 105 Resp: 4687
Ion Ratio Lower Upper
105 100
120 44.3 22.6 67.8





#90
 Hexachloroethane
 Concen: 1.898 ug/l
 RT: 12.622 min Scan# 11
 Delta R.T. 0.080 min
 Lab File: VX028252.D
 Acq: 21 Apr 2022 19:29

Instrument :
 MSVOA_X
 ClientSampleId :
 31580

Tgt Ion:117 Resp: 294
 Ion Ratio Lower Upper
 117 100
 201 0.0 39.5 118.5#

