

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX050123\
 Data File : VX035444.D
 Acq On : 01 May 2023 16:41
 Operator : JC/MD
 Sample : 02522-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 02 00:02:30 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 25 16:31:40 2023
 Response via : Initial Calibration

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

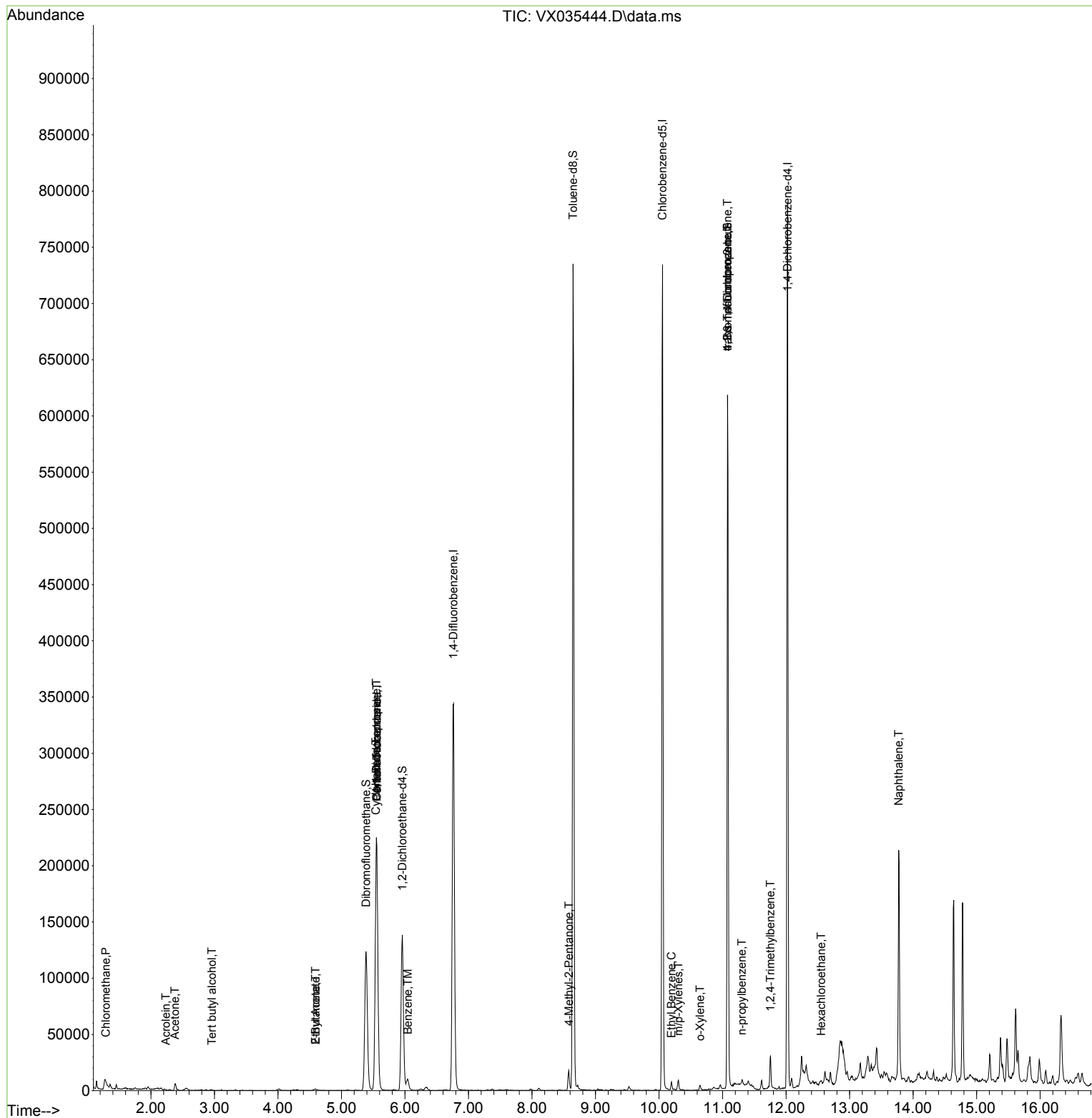
Internal Standards						
1) Pentafluorobenzene	5.556	168	220767	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	365309	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	338323	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	170593	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	133183	50.004	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.000%			
35) Dibromofluoromethane	5.385	113	109204	48.705	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.400%			
50) Toluene-d8	8.647	98	430123	50.853	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.700%			
62) 4-Bromofluorobenzene	11.079	95	170553	53.603	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.200%			
Target Compounds					Qvalue	
3) Chloromethane	1.288	50	740	0.348	ug/l #	75
11) Tert butyl alcohol	2.959	59	780	1.608	ug/l #	73
13) Acrolein	2.233	56	170	0.356	ug/l #	1
16) Acetone	2.380	43	6806	5.884	ug/l	96
25) 2-Butanone	4.593	43	2418	1.432	ug/l	93
31) Cyclohexane	5.544	56	3847	1.018	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	15803	4.514	ug/l #	50
37) Ethyl Acetate	4.593	43	2418	0.756	ug/l #	70
38) Carbon Tetrachloride	5.556	117	21970	6.610	ug/l #	16
40) Benzene	6.044	78	11279	1.123	ug/l	96
51) 4-Methyl-2-Pentanone	8.580	43	10613	3.215	ug/l	90
67) Ethyl Benzene	10.195	91	4062	0.320	ug/l	96
68) m/p-Xylenes	10.305	106	2086	0.429	ug/l	89
69) o-Xylene	10.646	106	1187	0.249	ug/l	95
76) 1,2,3-Trichloropropane	11.079	75	83530	24.546	ug/l #	35
78) n-propylbenzene	11.305	91	2944	0.206	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.079	75	83530	79.501	ug/l #	8
84) 1,2,4-Trimethylbenzene	11.756	105	13623	1.289	ug/l	97
90) Hexachloroethane	12.555	117	565	0.335	ug/l #	15
95) Naphthalene	13.774	128	146573	12.856	ug/l	100

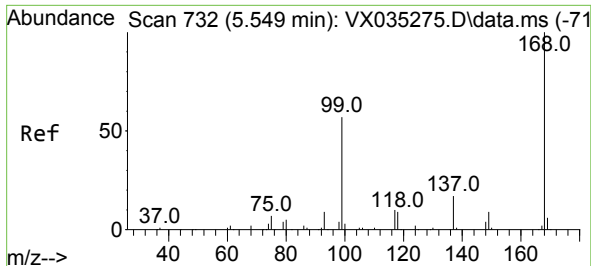
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

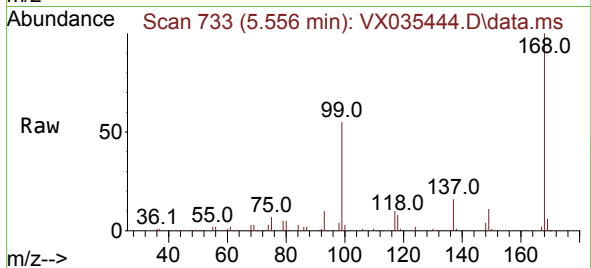
Quant Time: May 02 00:02:30 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X042523W.M
Quant Title : SW846 8260
QLast Update : Tue Apr 25 16:31:40 2023
Response via : Initial Calibration



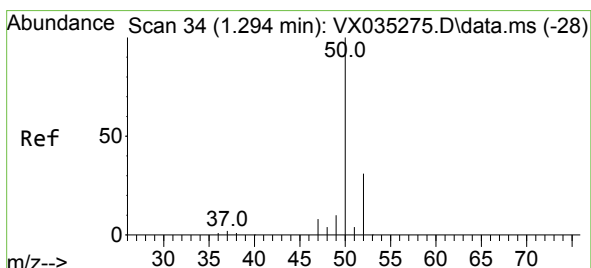
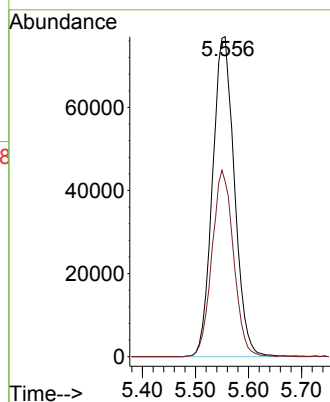
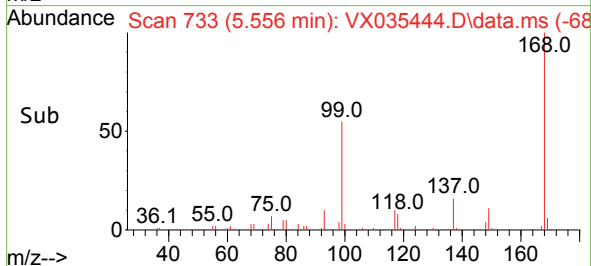


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX035444.D
Acq: 01 May 2023 16:41

Instrument :
MSVOA_X
ClientSampleId :

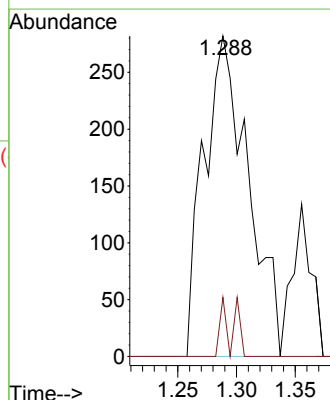
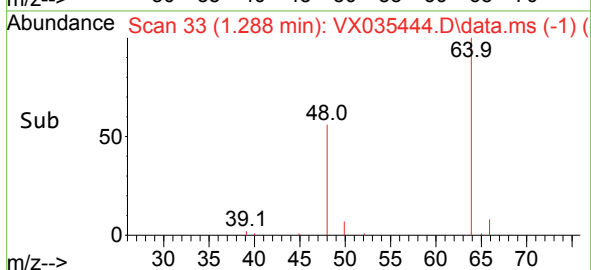
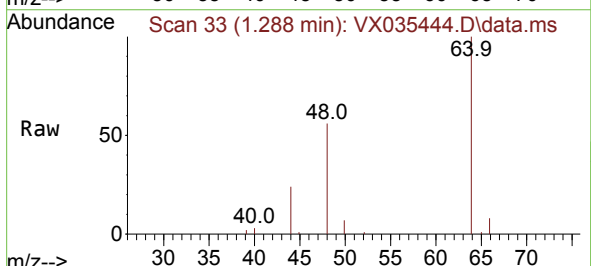


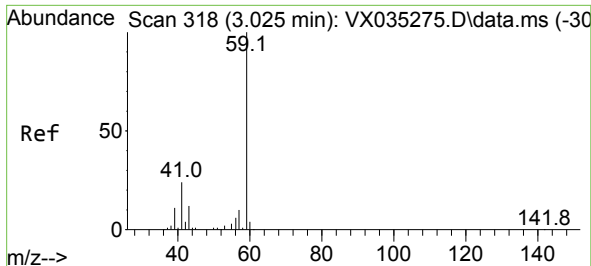
Tgt Ion:168 Resp: 220767
Ion Ratio Lower Upper
168 100
99 54.7 45.7 68.5



#3
Chloromethane
Concen: 0.348 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX035444.D
Acq: 01 May 2023 16:41

Tgt Ion: 50 Resp: 740
Ion Ratio Lower Upper
50 100
52 18.4 25.9 38.9#





#11

Tert butyl alcohol

Concen: 1.608 ug/l

RT: 2.959 min Scan# 307

Delta R.T. -0.066 min

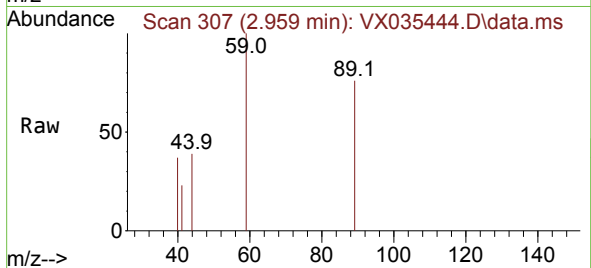
Lab File: VX035444.D

Acq: 01 May 2023 16:41

Instrument :

MSVOA_X

ClientSampleId :

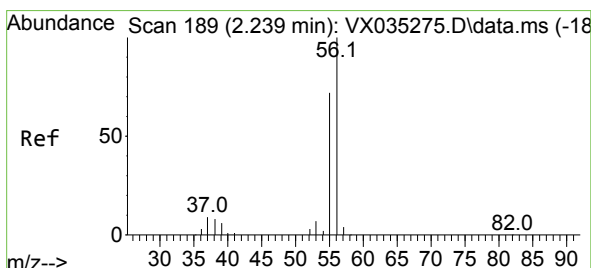
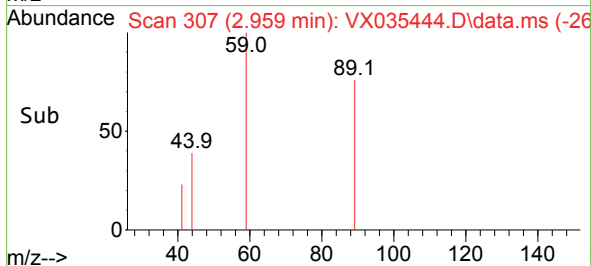
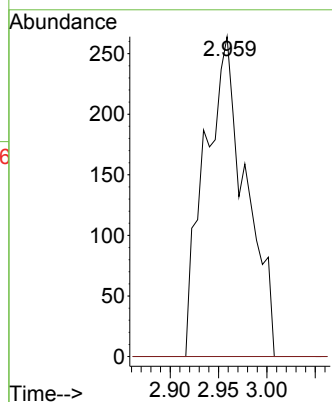


Tgt Ion: 59 Resp: 780

Ion Ratio Lower Upper

59 100

57 0.0 8.1 12.1#



#13

Acrolein

Concen: 0.356 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.006 min

Lab File: VX035444.D

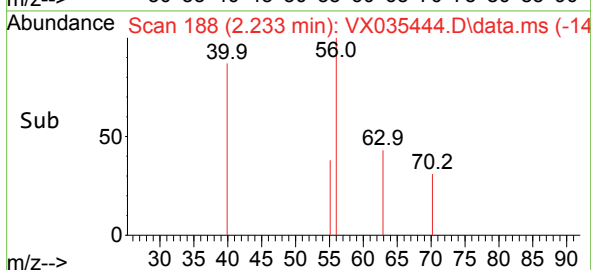
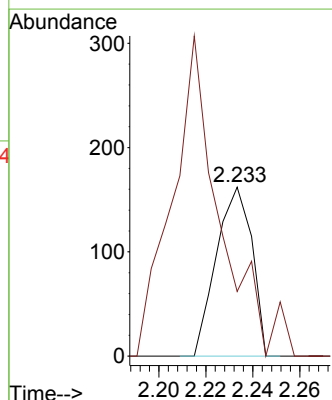
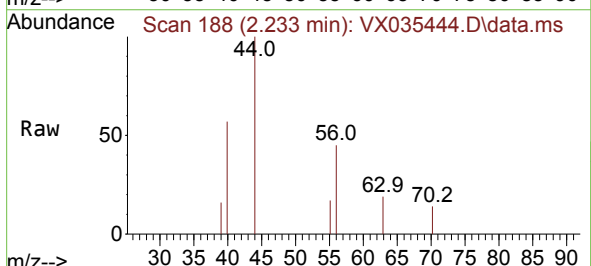
Acq: 01 May 2023 16:41

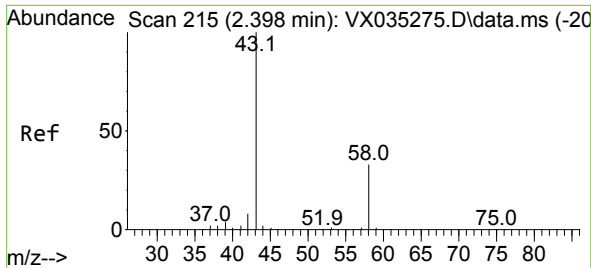
Tgt Ion: 56 Resp: 170

Ion Ratio Lower Upper

56 100

55 255.3 56.6 85.0#

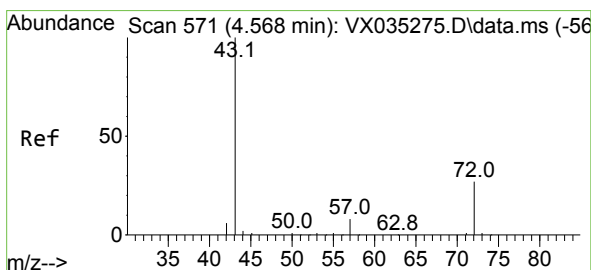
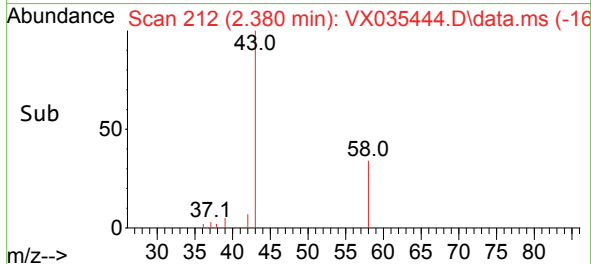
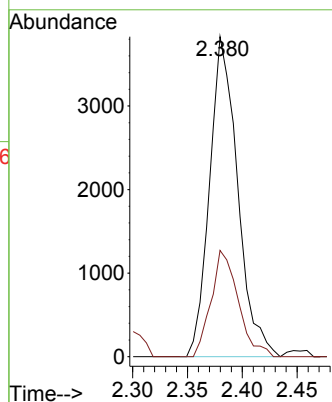
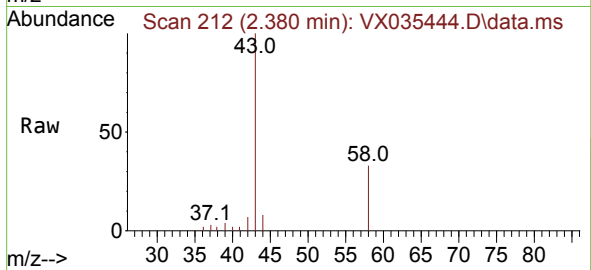




#16
Acetone
Concen: 5.884 ug/l
RT: 2.380 min Scan# 215
Delta R.T. -0.018 min
Lab File: VX035444.D
Acq: 01 May 2023 16:41

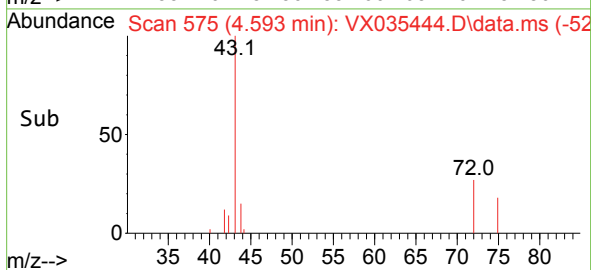
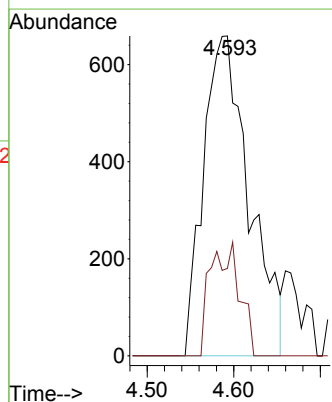
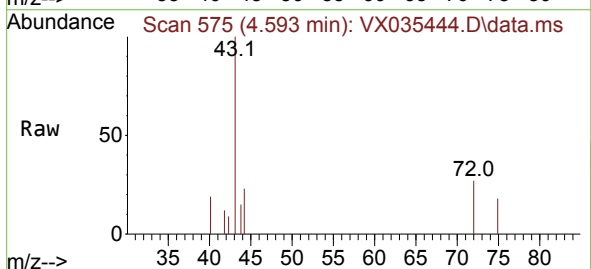
Instrument :
MSVOA_X
ClientSampleId :

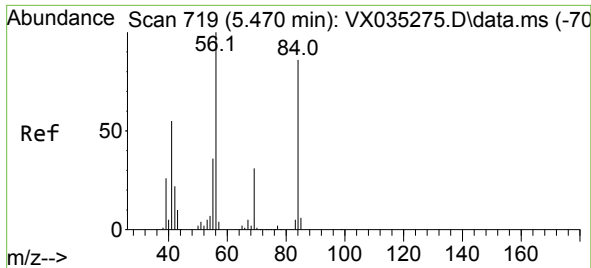
Tgt Ion: 43 Resp: 6806
Ion Ratio Lower Upper
43 100
58 33.2 24.7 37.1



#25
2-Butanone
Concen: 1.432 ug/l
RT: 4.593 min Scan# 575
Delta R.T. 0.025 min
Lab File: VX035444.D
Acq: 01 May 2023 16:41

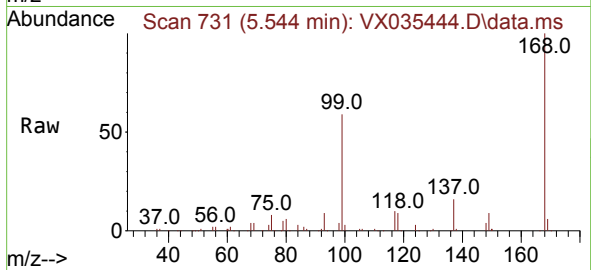
Tgt Ion: 43 Resp: 2418
Ion Ratio Lower Upper
43 100
72 27.3 19.3 28.9



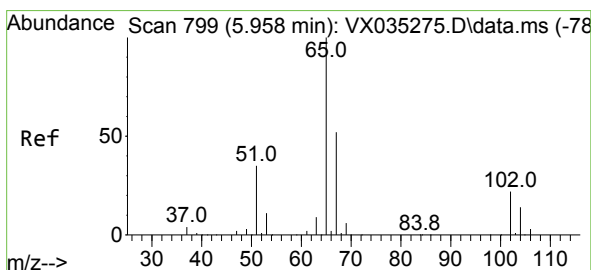
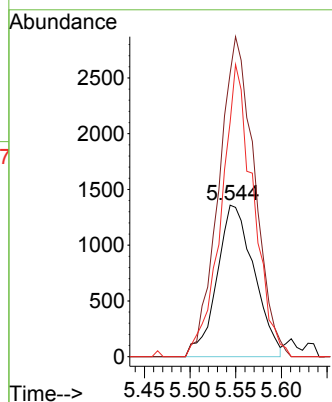
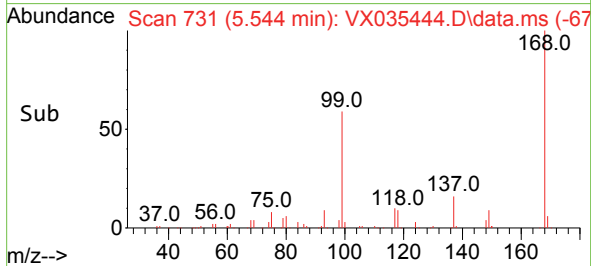


#31
Cyclohexane
Concen: 1.018 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.074 min
Lab File: VX035444.D
Acq: 01 May 2023 16:41

Instrument :
MSVOA_X
ClientSampleId :

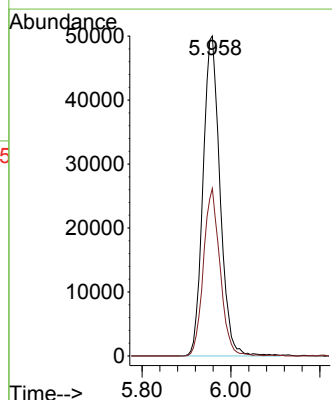
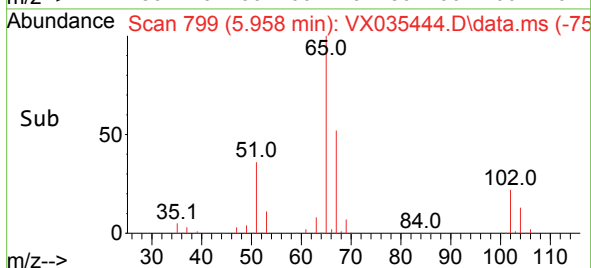
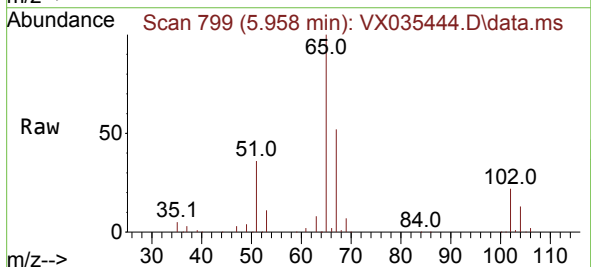


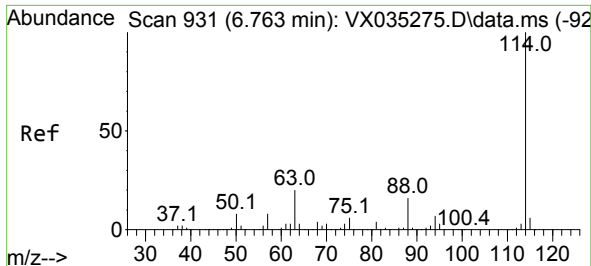
Tgt Ion: 56 Resp: 3847
Ion Ratio Lower Upper
56 100
69 187.0 23.7 35.5#
84 154.7 68.5 102.7#



#33
1,2-Dichloroethane-d4
Concen: 50.004 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX035444.D
Acq: 01 May 2023 16:41

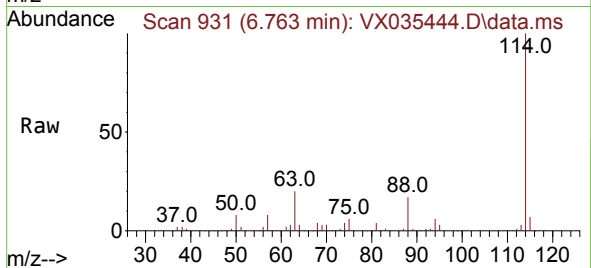
Tgt Ion: 65 Resp: 133183
Ion Ratio Lower Upper
65 100
67 51.2 0.0 104.0



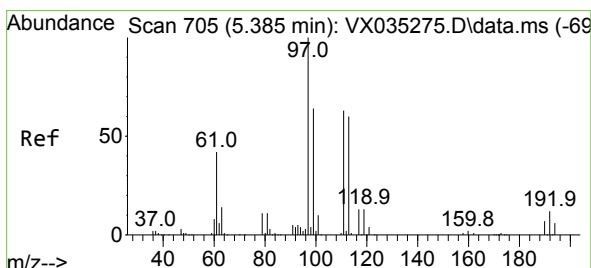
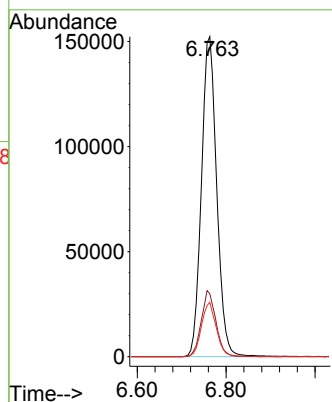
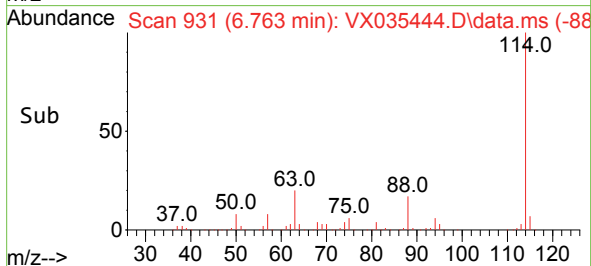


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX035444.D
Acq: 01 May 2023 16:41

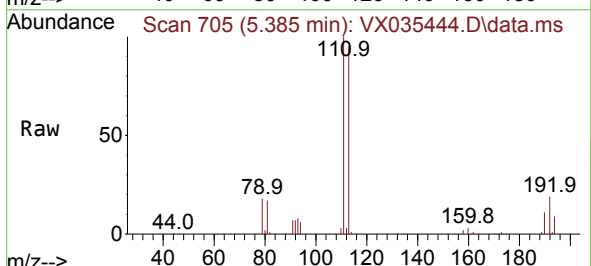
Instrument :
MSVOA_X
ClientSampleId :



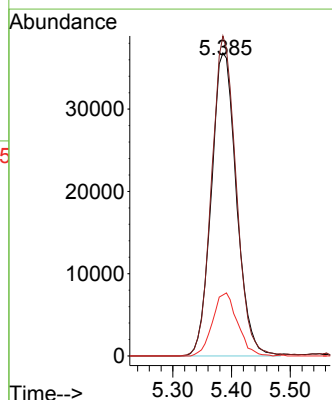
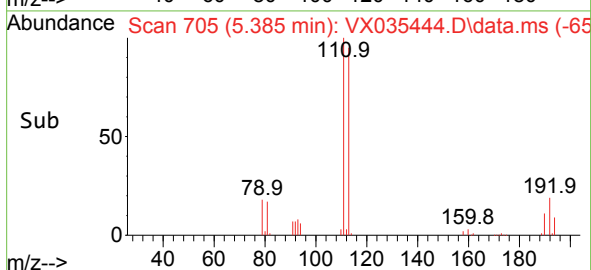
Tgt Ion:114 Resp: 365309
Ion Ratio Lower Upper
114 100
63 19.7 0.0 42.2
88 17.0 0.0 33.2

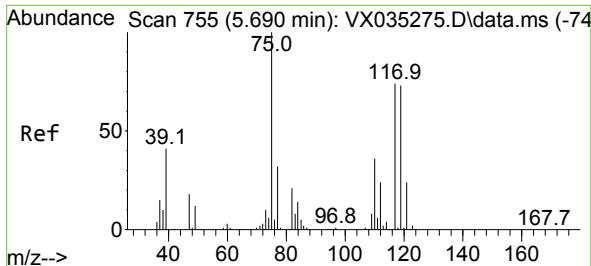


#35
Dibromofluoromethane
Concen: 48.705 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035444.D
Acq: 01 May 2023 16:41



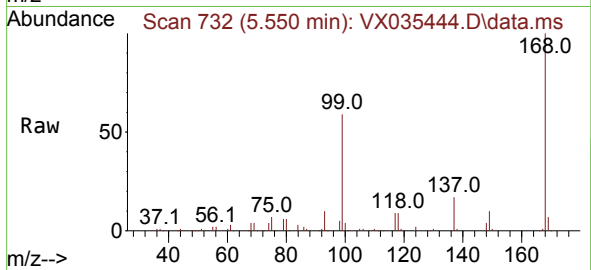
Tgt Ion:113 Resp: 109204
Ion Ratio Lower Upper
113 100
111 103.1 83.7 125.5
192 20.7 15.4 23.2



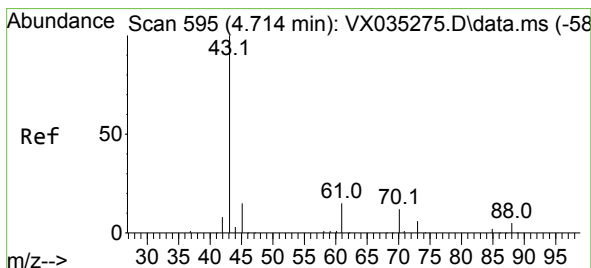
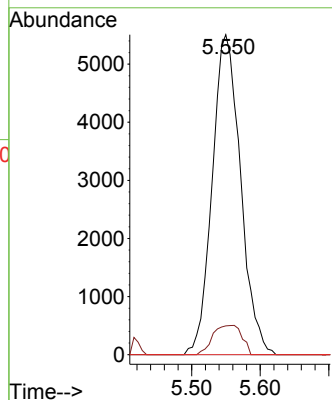
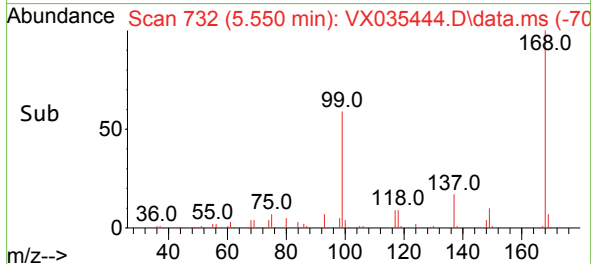


#36
1,1-Dichloropropene
Concen: 4.514 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX035444.D
Acq: 01 May 2023 16:41

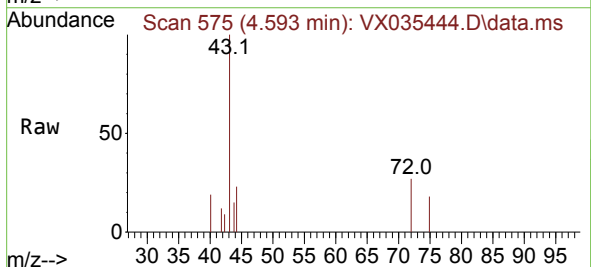
Instrument :
MSVOA_X
ClientSampleId :



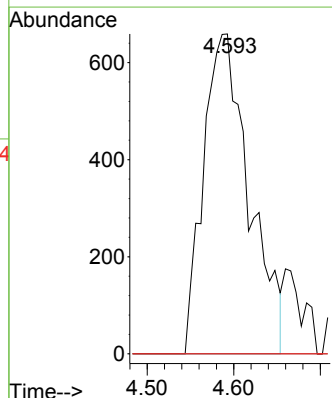
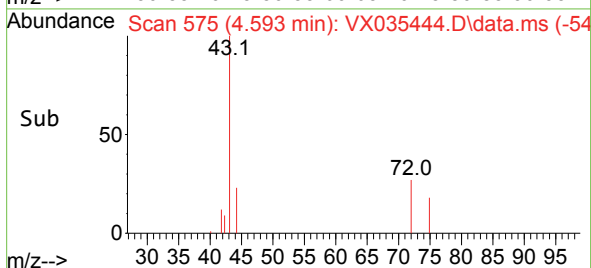
Tgt Ion: 75 Resp: 15803
Ion Ratio Lower Upper
75 100
110 9.4 17.5 52.5#
77 0.0 24.3 36.5#

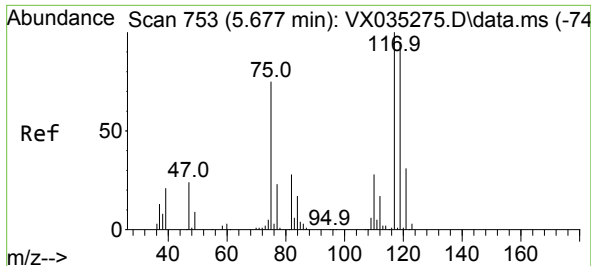


#37
Ethyl Acetate
Concen: 0.756 ug/l
RT: 4.593 min Scan# 575
Delta R.T. -0.121 min
Lab File: VX035444.D
Acq: 01 May 2023 16:41



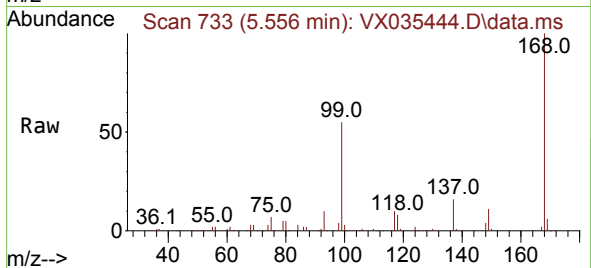
Tgt Ion: 43 Resp: 2418
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.4#
70 0.0 8.2 12.4#



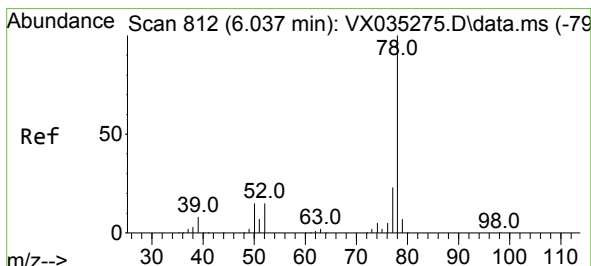
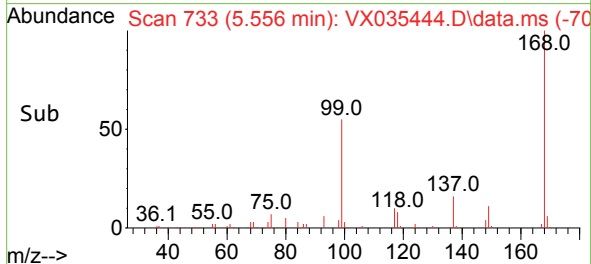
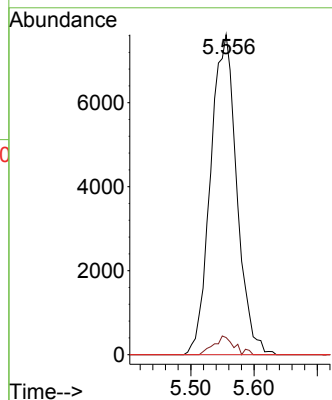


#38
Carbon Tetrachloride
Concen: 6.610 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.121 min
Lab File: VX035444.D
Acq: 01 May 2023 16:41

Instrument :
MSVOA_X
ClientSampleId :

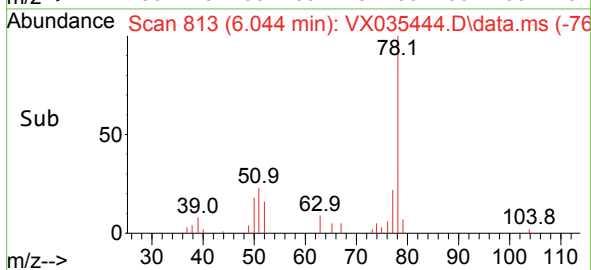
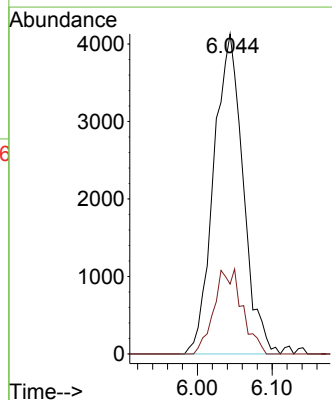
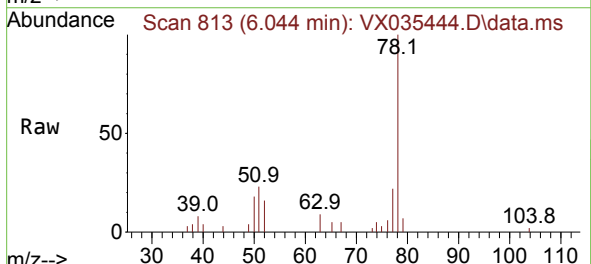


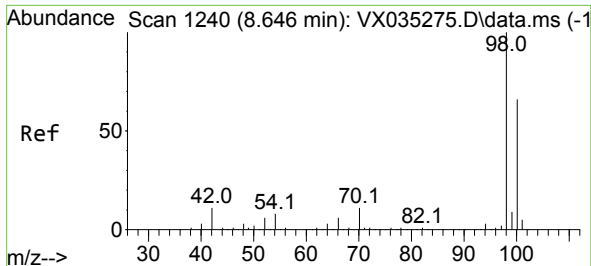
Tgt Ion:117 Resp: 21970
Ion Ratio Lower Upper
117 100
119 5.4 76.6 114.8#
121 0.0 23.8 35.6#



#40
Benzene
Concen: 1.123 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.007 min
Lab File: VX035444.D
Acq: 01 May 2023 16:41

Tgt Ion: 78 Resp: 11279
Ion Ratio Lower Upper
78 100
77 21.9 19.0 28.4

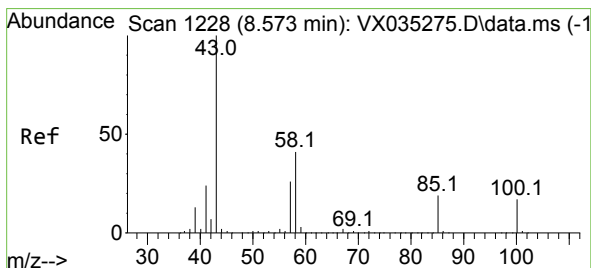
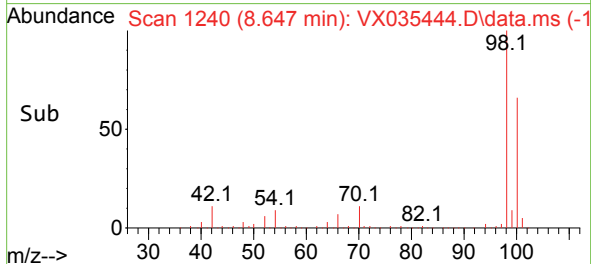
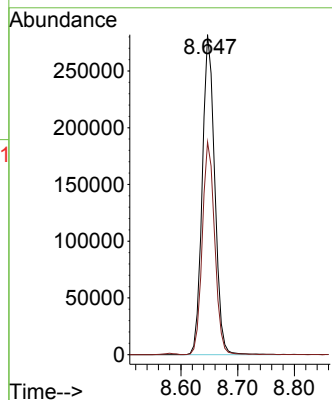
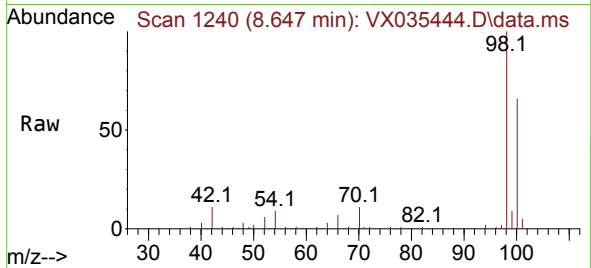




#50
Toluene-d8
Concen: 50.853 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.001 min
Lab File: VX035444.D
Acq: 01 May 2023 16:41

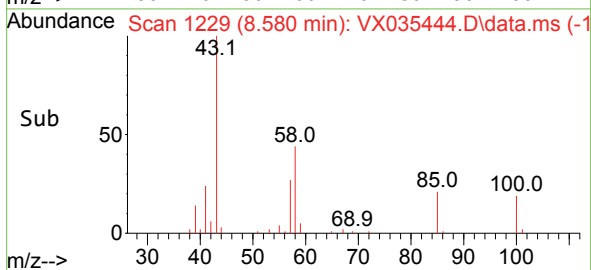
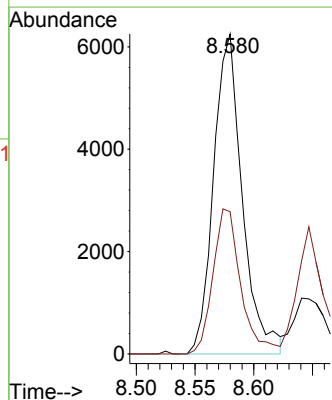
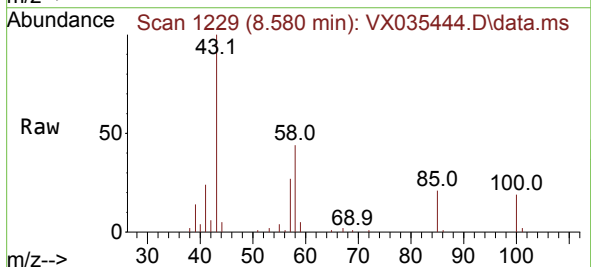
Instrument :
MSVOA_X
ClientSampleId :

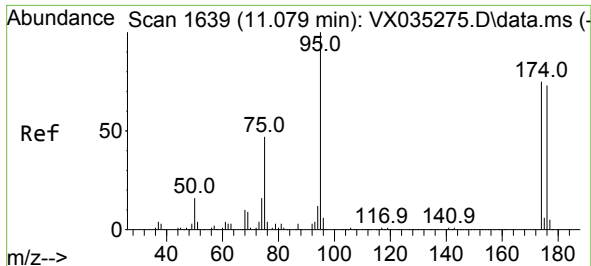
Tgt Ion: 98 Resp: 430123
Ion Ratio Lower Upper
98 100
100 66.0 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 3.215 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.007 min
Lab File: VX035444.D
Acq: 01 May 2023 16:41

Tgt Ion: 43 Resp: 10613
Ion Ratio Lower Upper
43 100
58 44.2 30.6 46.0

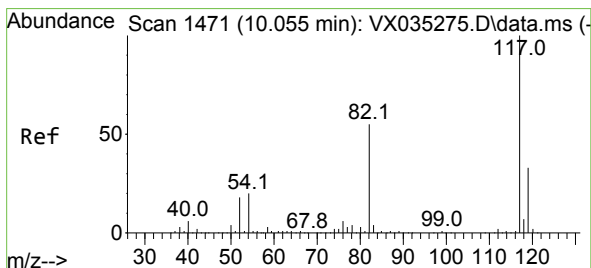
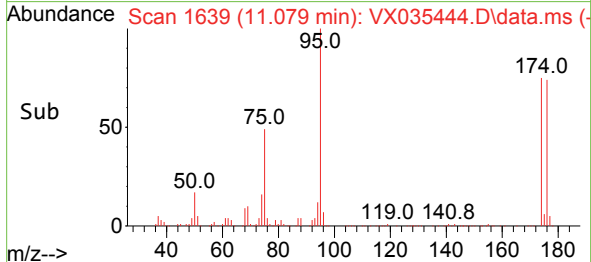
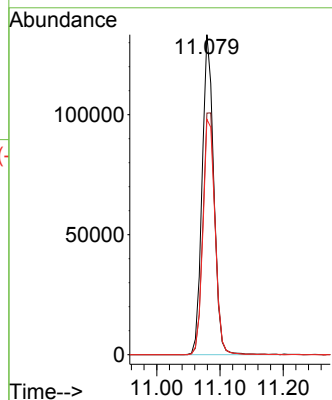
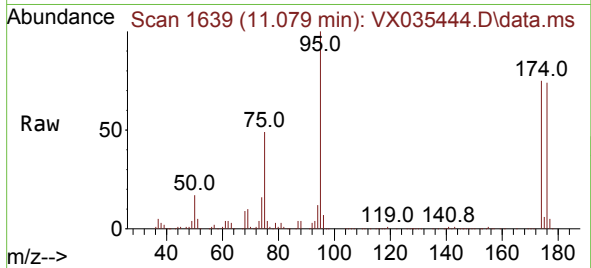




#62
4-Bromofluorobenzene
Concen: 53.603 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX035444.D
Acq: 01 May 2023 16:41

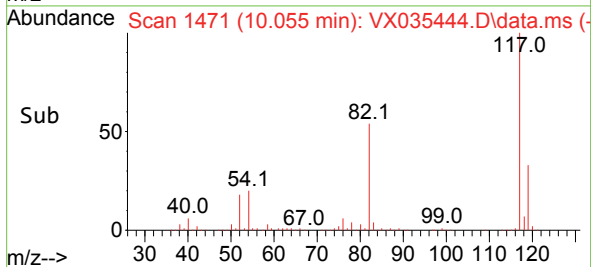
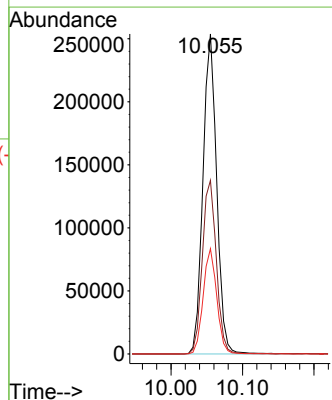
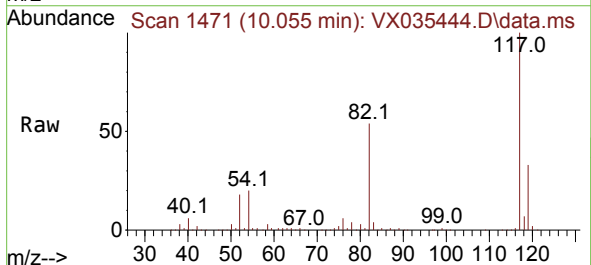
Instrument :
MSVOA_X
ClientSampleId :

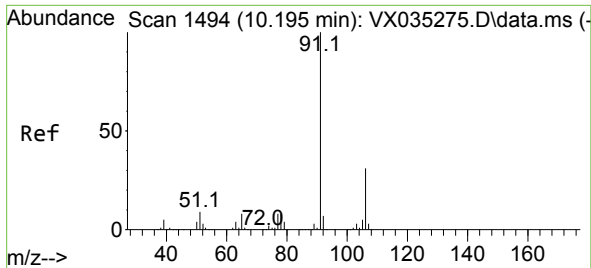
Tgt Ion: 95 Resp: 170553
Ion Ratio Lower Upper
95 100
174 79.9 0.0 147.4
176 76.7 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035444.D
Acq: 01 May 2023 16:41

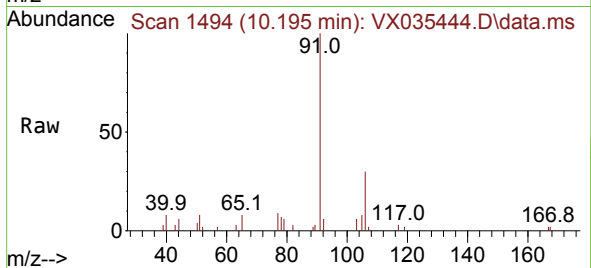
Tgt Ion: 117 Resp: 338323
Ion Ratio Lower Upper
117 100
82 54.3 45.0 67.4
119 32.9 26.0 39.0



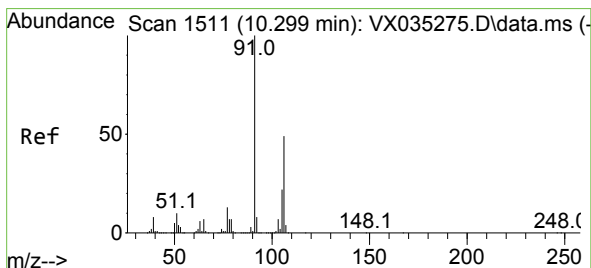
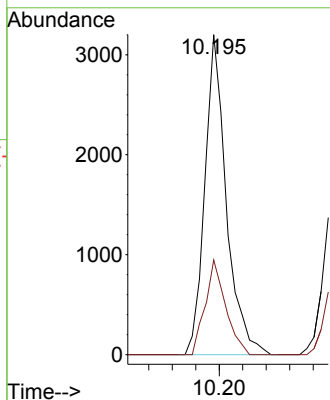
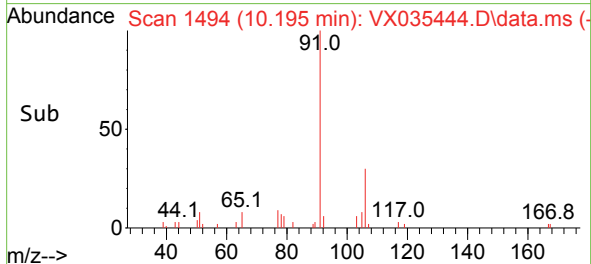


#67
Ethyl Benzene
Concen: 0.320 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX035444.D
Acq: 01 May 2023 16:41

Instrument :
MSVOA_X
ClientSampleId :

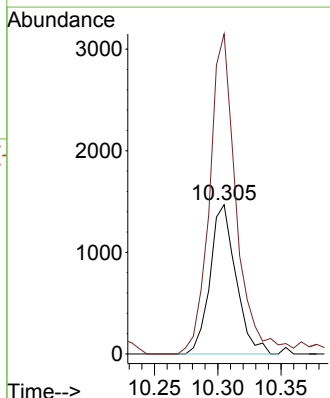
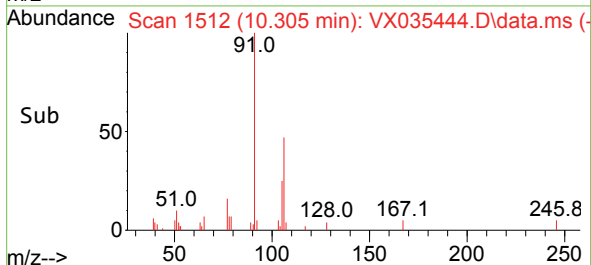
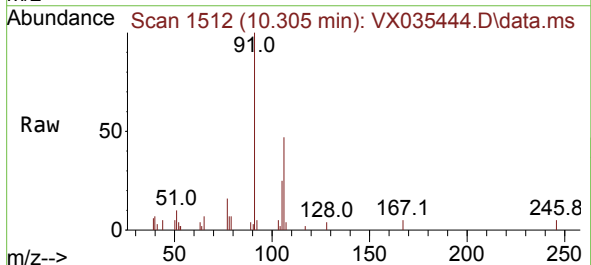


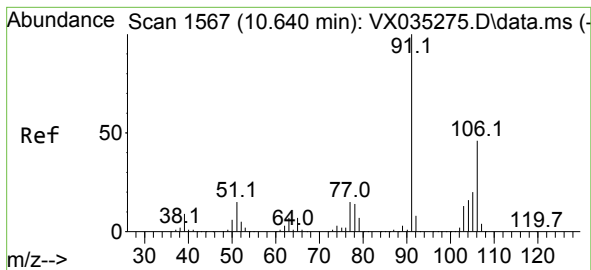
Tgt Ion: 91 Resp: 4062
Ion Ratio Lower Upper
91 100
106 29.6 25.6 38.4



#68
m/p-Xylenes
Concen: 0.429 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX035444.D
Acq: 01 May 2023 16:41

Tgt Ion: 106 Resp: 2086
Ion Ratio Lower Upper
106 100
91 221.2 164.0 246.0

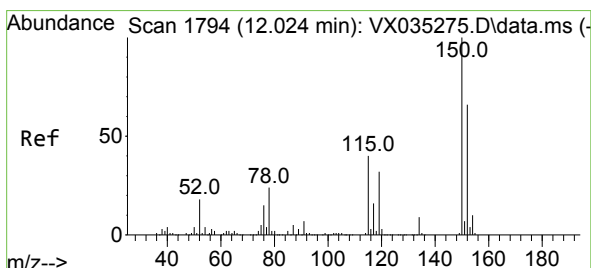
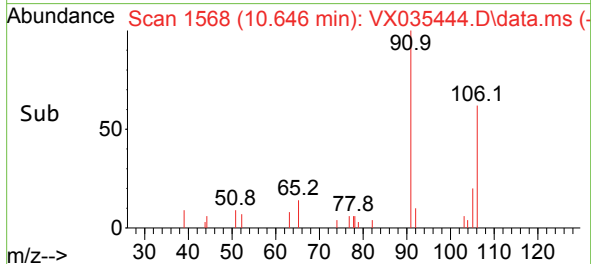
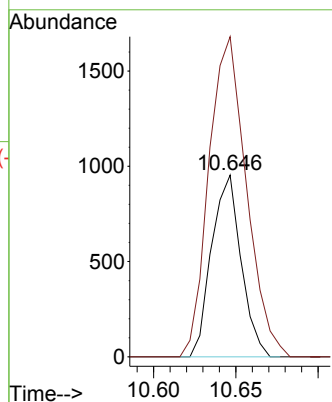
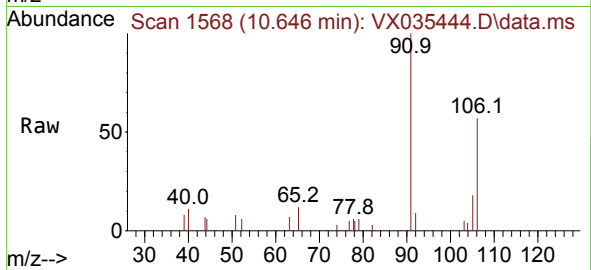




#69
o-Xylene
Concen: 0.249 ug/l
RT: 10.646 min Scan# 1187
Delta R.T. 0.006 min
Lab File: VX035444.D
Acq: 01 May 2023 16:41

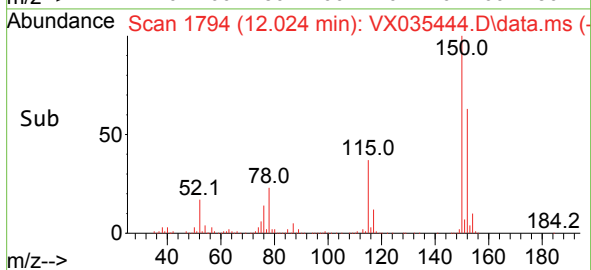
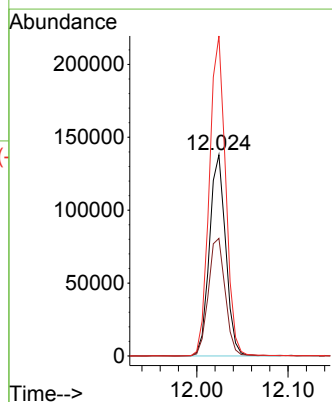
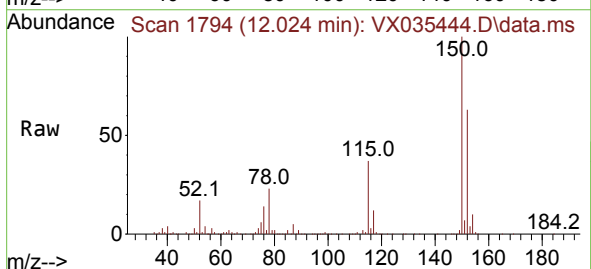
Instrument :
MSVOA_X
ClientSampleId :

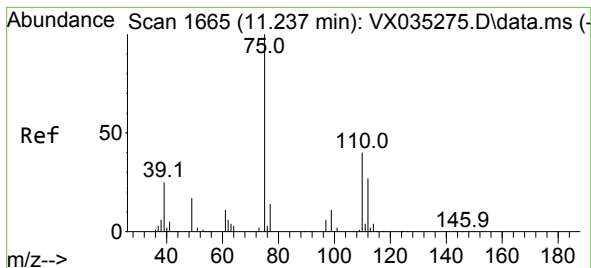
Tgt Ion:106 Resp: 1187
Ion Ratio Lower Upper
106 100
91 224.4 108.5 325.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX035444.D
Acq: 01 May 2023 16:41

Tgt Ion:152 Resp: 170593
Ion Ratio Lower Upper
152 100
115 60.6 45.0 135.0
150 159.2 0.0 352.4





#76

1,2,3-Trichloropropane

Concen: 24.546 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX035444.D

Acq: 01 May 2023 16:41

Instrument :

MSVOA_X

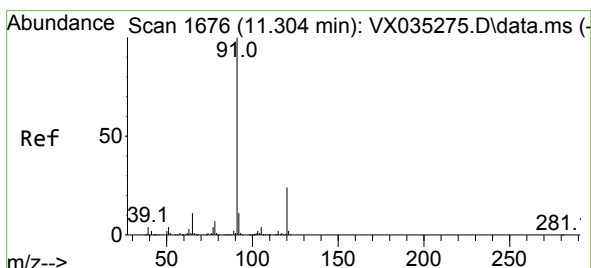
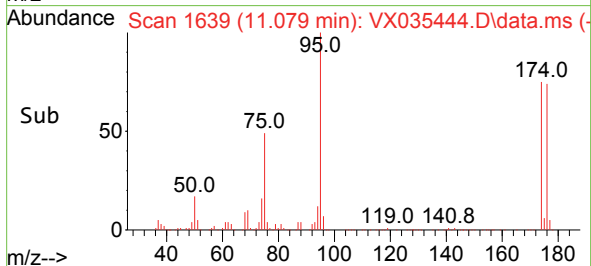
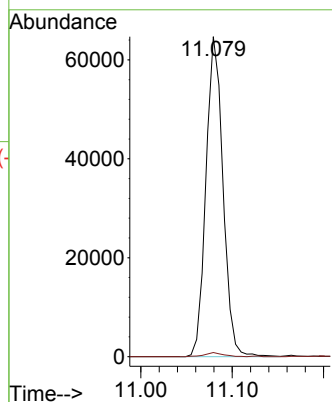
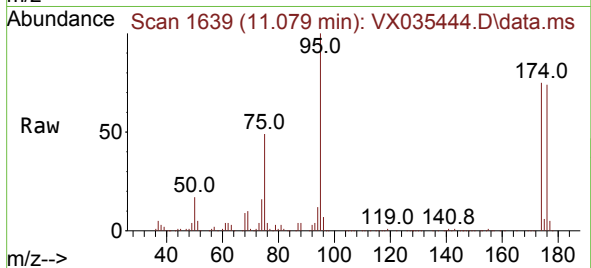
ClientSampleId :

Tgt Ion: 75 Resp: 83530

Ion Ratio Lower Upper

75 100

77 1.4 21.6 64.8#



#78

n-propylbenzene

Concen: 0.206 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. 0.001 min

Lab File: VX035444.D

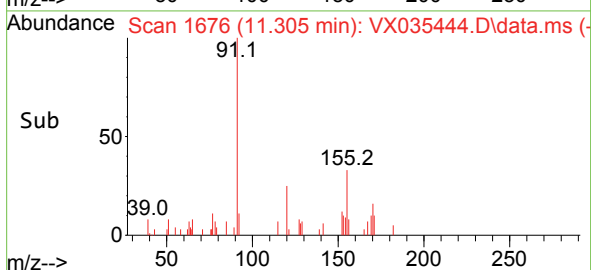
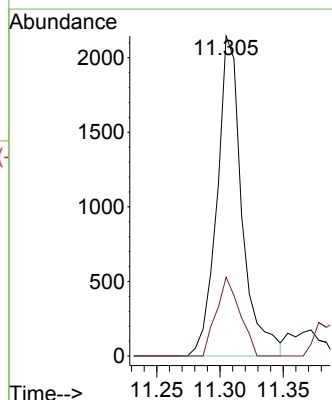
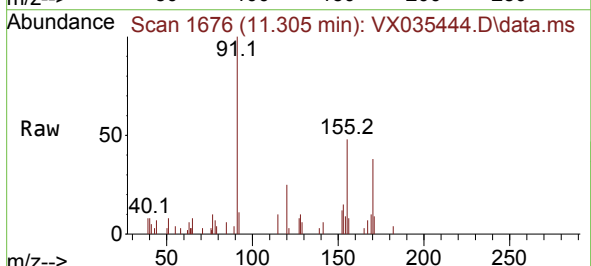
Acq: 01 May 2023 16:41

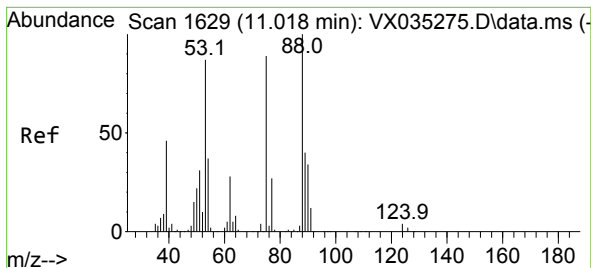
Tgt Ion: 91 Resp: 2944

Ion Ratio Lower Upper

91 100

120 23.2 11.5 34.5

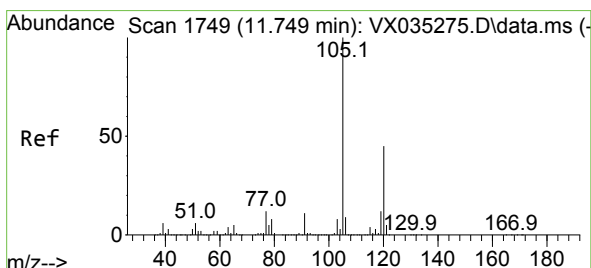
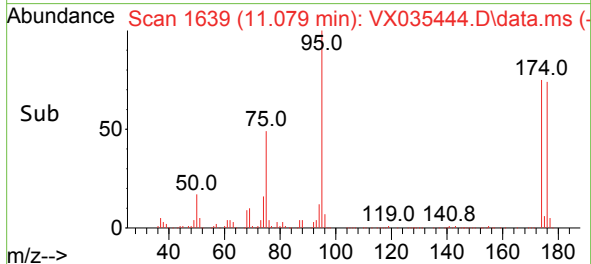
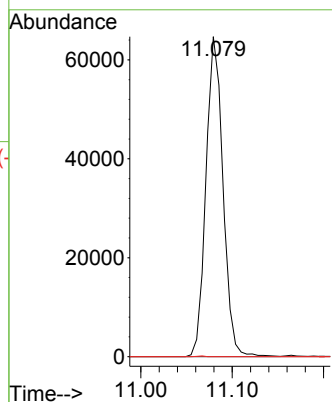
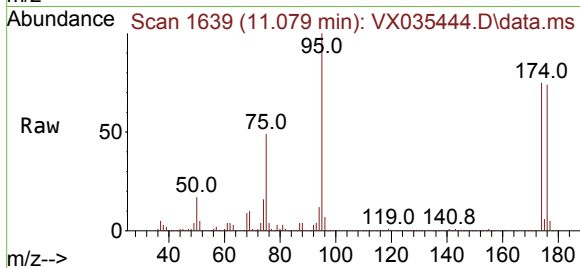




#81
trans-1,4-Dichloro-2-butene
Concen: 79.501 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX035444.D
Acq: 01 May 2023 16:41

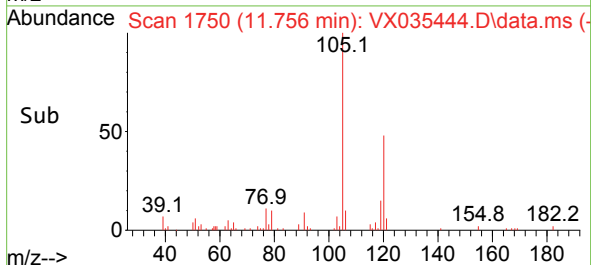
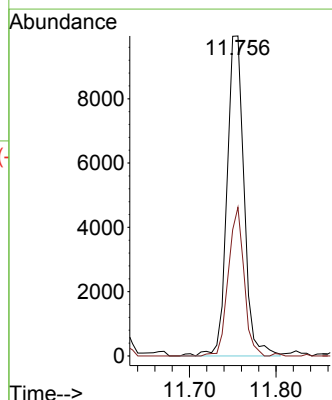
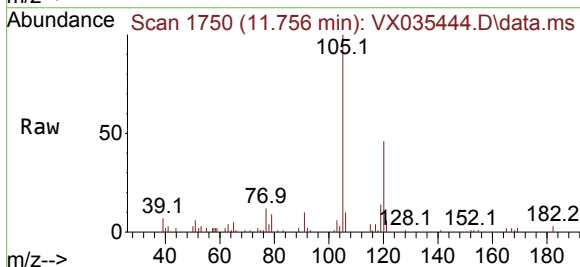
Instrument :
MSVOA_X
ClientSampleId :

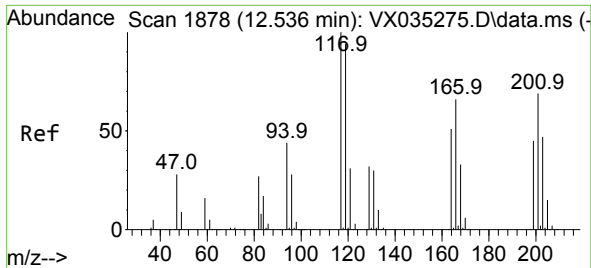
Tgt Ion: 75 Resp: 83530
Ion Ratio Lower Upper
75 100
53 0.0 82.6 124.0#
89 0.1 36.9 55.3#



#84
1,2,4-Trimethylbenzene
Concen: 1.289 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.007 min
Lab File: VX035444.D
Acq: 01 May 2023 16:41

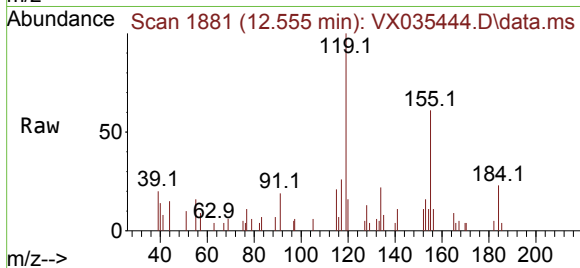
Tgt Ion:105 Resp: 13623
Ion Ratio Lower Upper
105 100
120 42.7 22.4 67.0



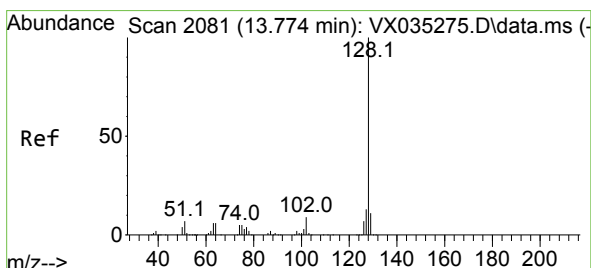
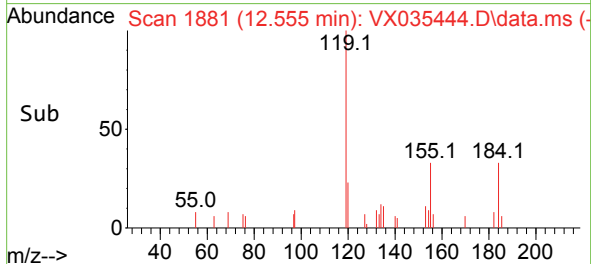
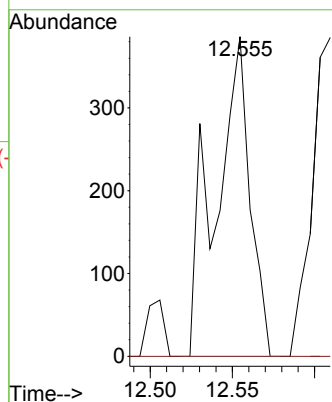


#90
Hexachloroethane
Concen: 0.335 ug/l
RT: 12.555 min Scan# 1881
Delta R.T. 0.019 min
Lab File: VX035444.D
Acq: 01 May 2023 16:41

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:117 Resp: 565
Ion Ratio Lower Upper
117 100
201 0.0 34.4 103.1#



#95
Naphthalene
Concen: 12.856 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX035444.D
Acq: 01 May 2023 16:41

Tgt Ion:128 Resp: 146573
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.4
129 10.8 8.6 13.0

