

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082323\
 Data File : VX037185.D
 Acq On : 23 Aug 2023 15:53
 Operator : JC/MD
 Sample : 04025-03DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW179D-20230814DL

Quant Time: Aug 24 05:33:52 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

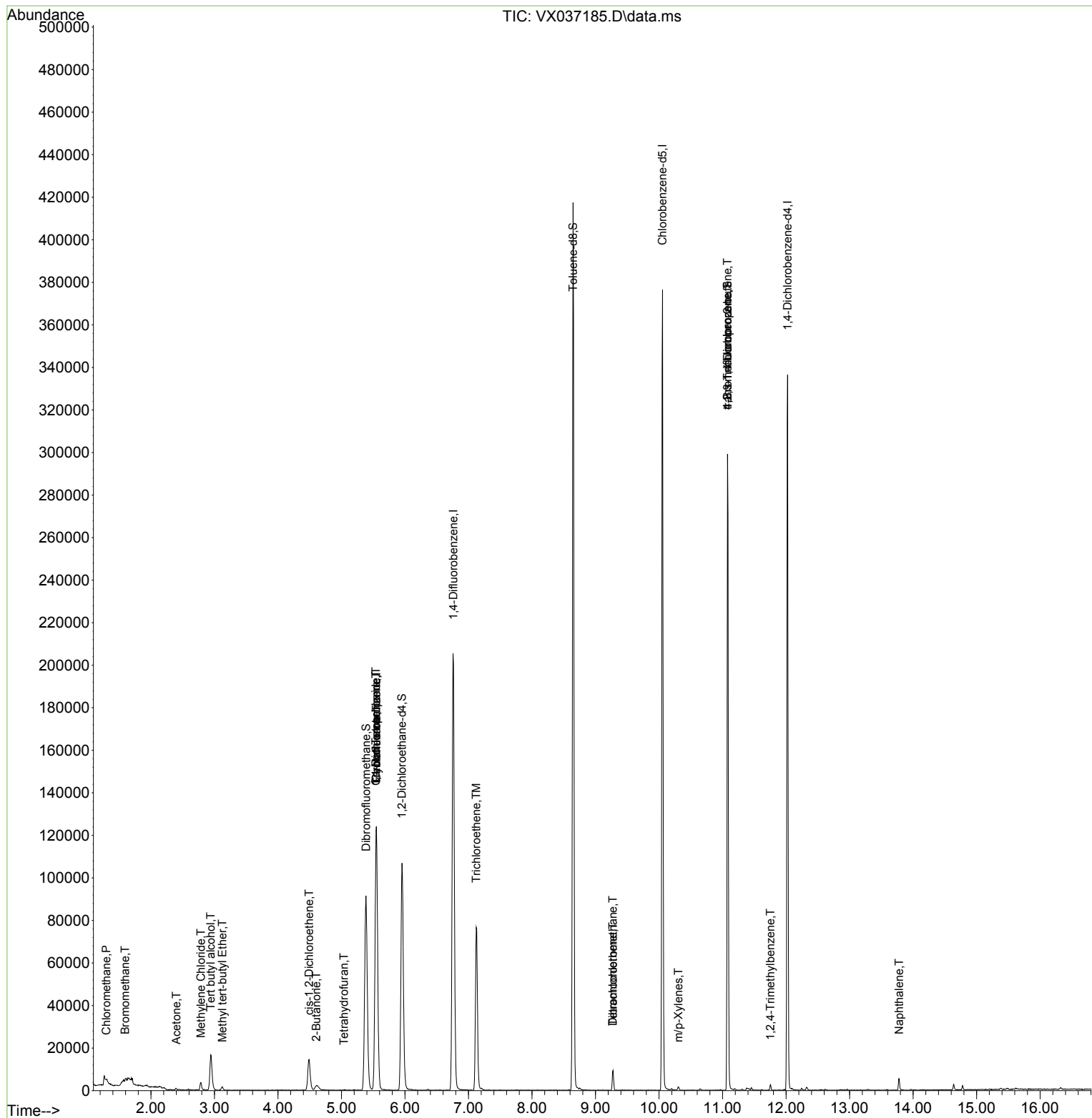
Internal Standards						
1) Pentafluorobenzene	5.550	168	114685	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	217827	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	172635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70034	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	107384	64.948	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 129.900%#		
35) Dibromofluoromethane	5.385	113	80917	56.090	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 112.180%		
50) Toluene-d8	8.647	98	248453	47.479	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 94.960%		
62) 4-Bromofluorobenzene	11.079	95	84945	41.306	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 82.620%#		
Target Compounds						Qvalue
3) Chloromethane	1.294	50	764	0.656	ug/l #	84
5) Bromomethane	1.593	94	162	0.256	ug/l #	77
11) Tert butyl alcohol	2.940	59	10446	26.933	ug/l #	80
16) Acetone	2.398	43	791	1.223	ug/l #	47
19) Methyl tert-butyl Ether	3.123	73	1848	0.413	ug/l	93
20) Methylene Chloride	2.788	84	1977	1.367	ug/l #	83
25) 2-Butanone	4.605	43	374	0.384	ug/l #	51
27) cis-1,2-Dichloroethene	4.489	96	9845	6.223	ug/l	79
29) Tetrahydrofuran	5.037	42	141	0.227	ug/l #	34
31) Cyclohexane	5.550	56	2337	1.257	ug/l #	1
36) 1,1-Dichloropropene	5.543	75	9324	4.549	ug/l #	51
38) Carbon Tetrachloride	5.543	117	12429	5.583	ug/l #	15
44) Trichloroethene	7.122	130	30512	18.306	ug/l	97
60) Dibromochloromethane	9.274	129	1785	1.060	ug/l #	11
64) Tetrachloroethene	9.274	164	1733	1.376	ug/l	88
68) m/p-Xylenes	10.305	106	581	0.234	ug/l	82
76) 1,2,3-Trichloropropane	11.079	75	43305	29.035	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	43305	81.095	ug/l #	5
84) 1,2,4-Trimethylbenzene	11.756	105	1468	0.342	ug/l	91
95) Naphthalene	13.780	128	4334	0.742	ug/l	99

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

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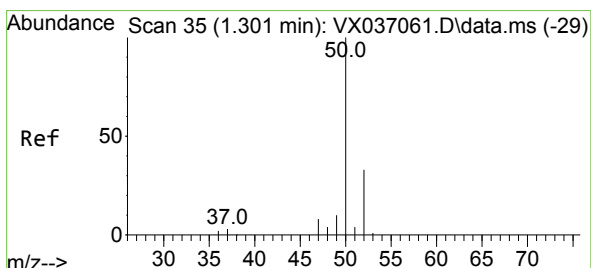
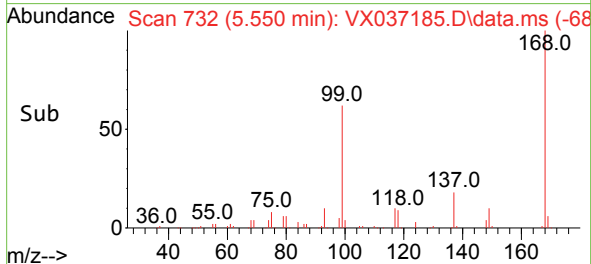
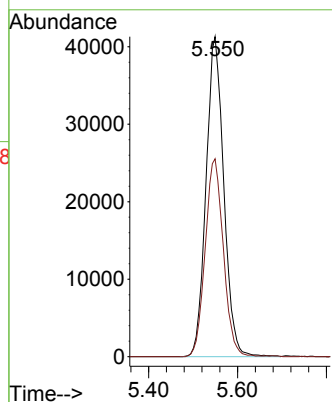
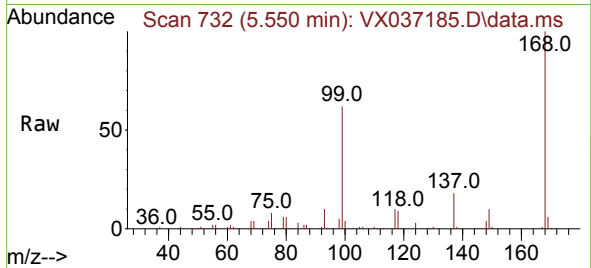




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037185.D
Acq: 23 Aug 2023 15:53

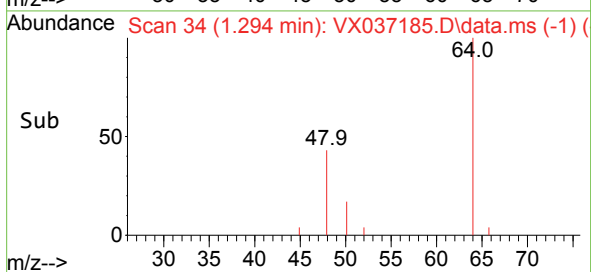
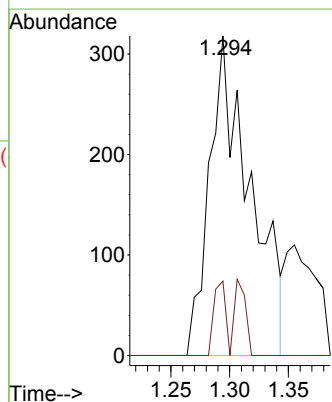
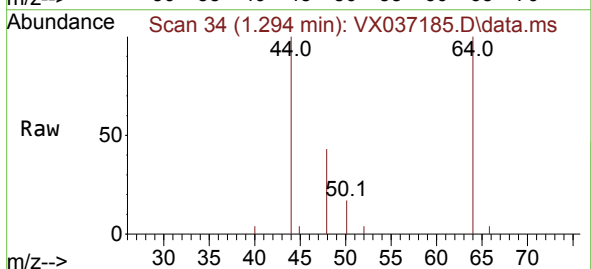
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20230814DL

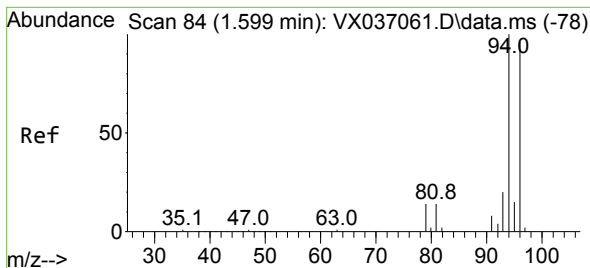
Tgt Ion:168 Resp: 114685
Ion Ratio Lower Upper
168 100
99 61.8 56.6 85.0



#3
Chloromethane
Concen: 0.656 ug/l
RT: 1.294 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX037185.D
Acq: 23 Aug 2023 15:53

Tgt Ion: 50 Resp: 764
Ion Ratio Lower Upper
50 100
52 23.3 25.5 38.3#





#5

Bromomethane

Concen: 0.256 ug/l

RT: 1.593 min Scan# 81

Delta R.T. -0.006 min

Lab File: VX037185.D

Acq: 23 Aug 2023 15:53

Instrument :

MSVOA_X

ClientSampleId :

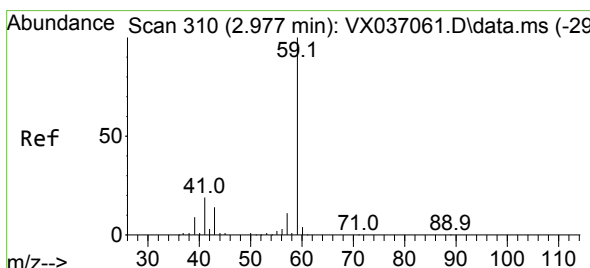
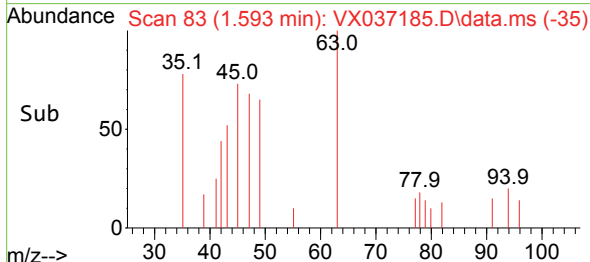
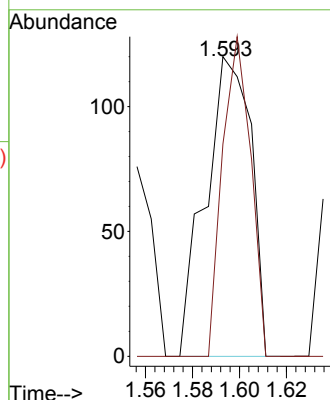
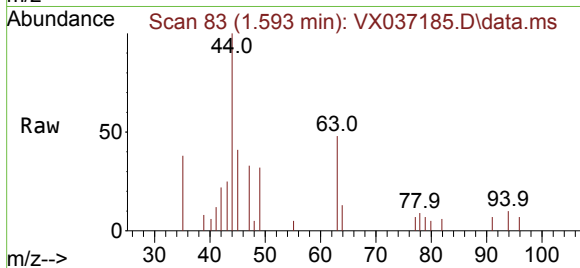
MW179D-20230814DL

Tgt Ion: 94 Resp: 162

Ion Ratio Lower Upper

94 100

96 70.8 74.6 111.8#



#11

Tert butyl alcohol

Concen: 26.933 ug/l

RT: 2.940 min Scan# 304

Delta R.T. -0.037 min

Lab File: VX037185.D

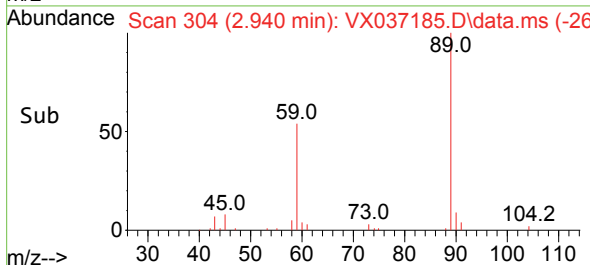
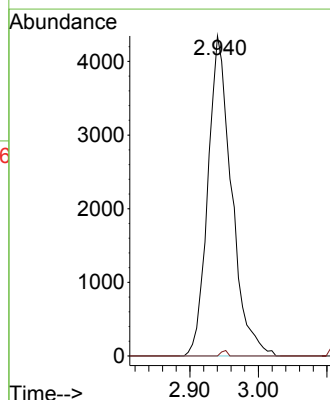
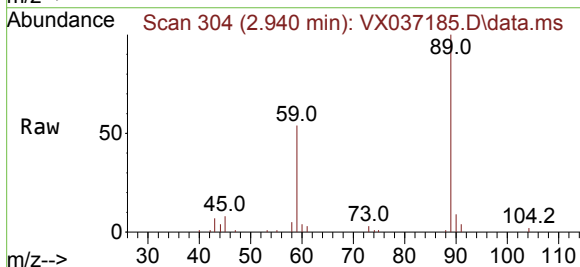
Acq: 23 Aug 2023 15:53

Tgt Ion: 59 Resp: 10446

Ion Ratio Lower Upper

59 100

57 0.4 6.0 9.0#

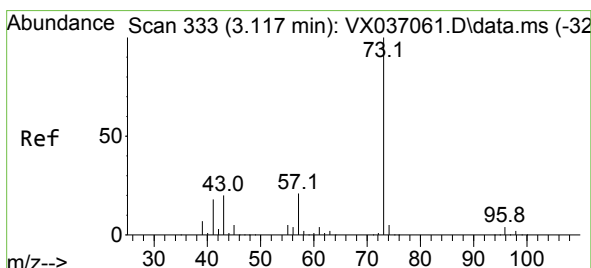
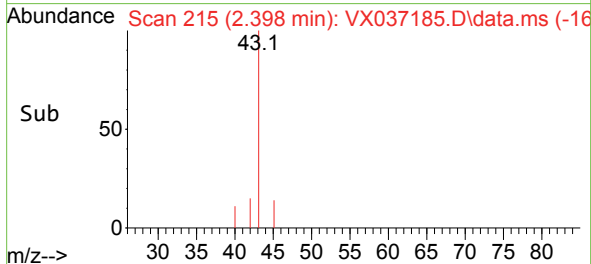
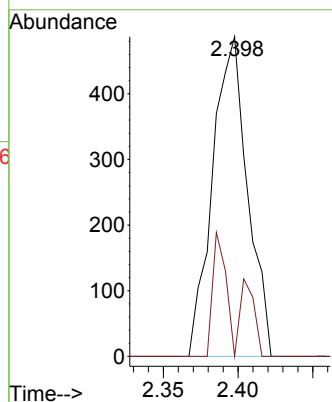
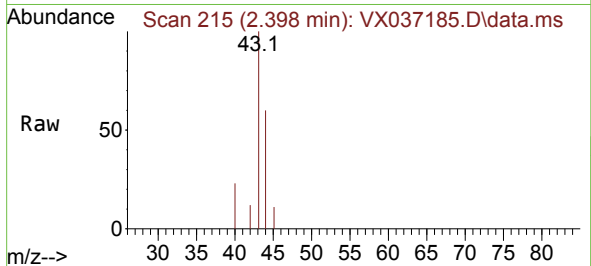




#16
Acetone
Concen: 1.223 ug/l
RT: 2.398 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX037185.D
Acq: 23 Aug 2023 15:53

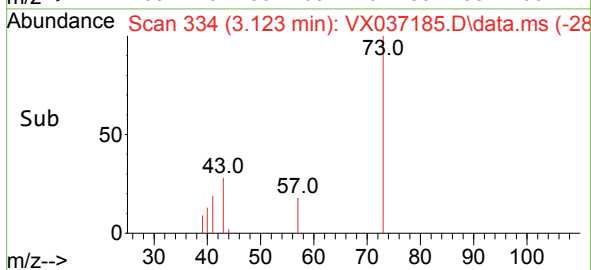
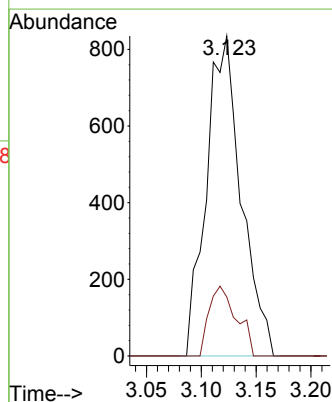
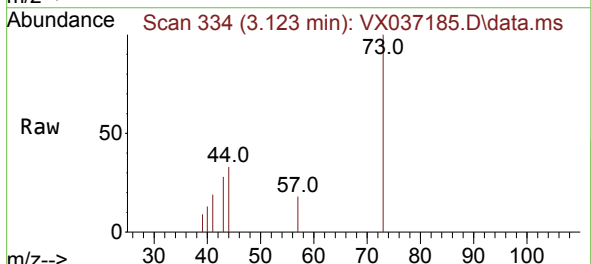
Instrument :
MSVOA_X
ClientSampleId :
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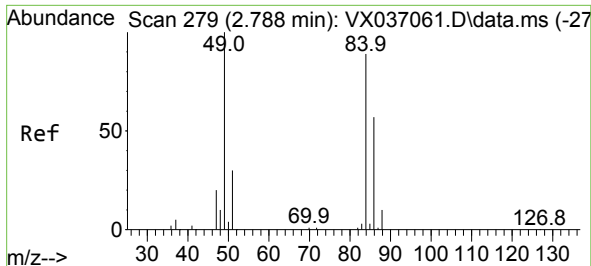
Tgt Ion: 43 Resp: 791
Ion Ratio Lower Upper
43 100
58 0.0 21.9 32.9#



#19
Methyl tert-butyl Ether
Concen: 0.413 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.006 min
Lab File: VX037185.D
Acq: 23 Aug 2023 15:53

Tgt Ion: 73 Resp: 1848
Ion Ratio Lower Upper
73 100
57 18.4 17.3 25.9

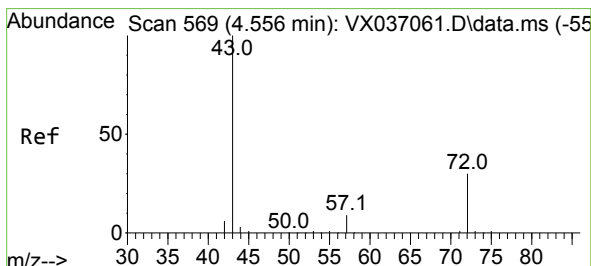
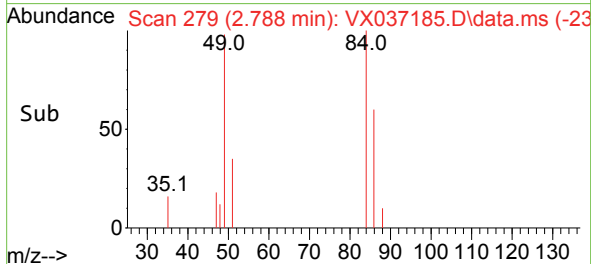
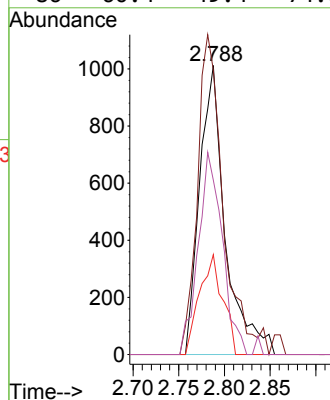
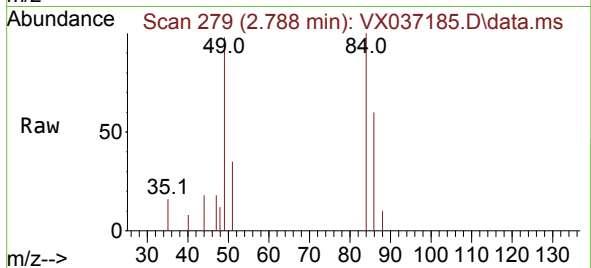




#20
Methylene Chloride
Concen: 1.367 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX037185.D
Acq: 23 Aug 2023 15:53

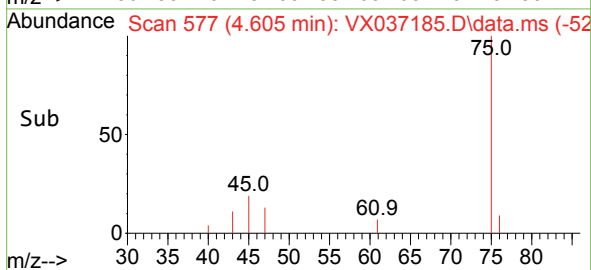
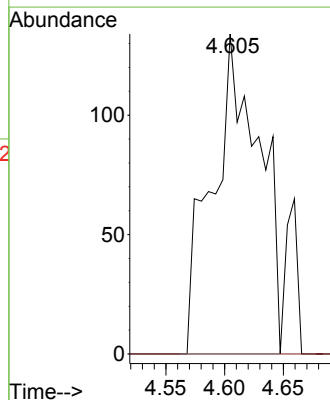
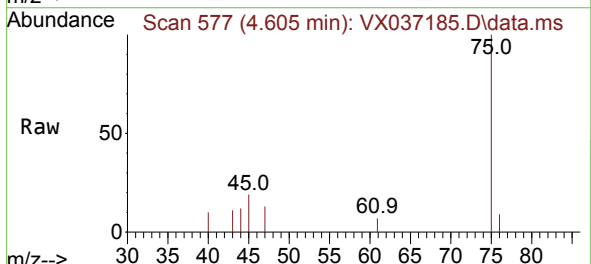
Instrument :
MSVOA_X
ClientSampleId :
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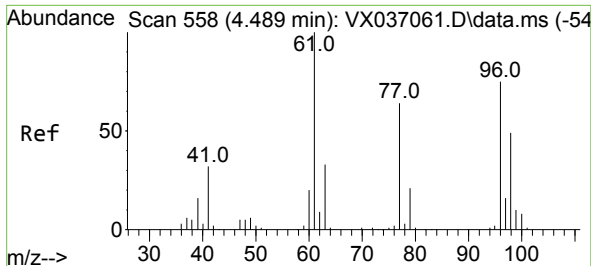
Tgt Ion:	84	Resp:	1977
Ion	Ratio	Lower	Upper
84	100		
49	98.4	103.6	155.4#
51	34.6	33.8	50.6
86	60.4	49.4	74.0



#25
2-Butanone
Concen: 0.384 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.049 min
Lab File: VX037185.D
Acq: 23 Aug 2023 15:53

Tgt Ion:	43	Resp:	374
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.4	29.2#

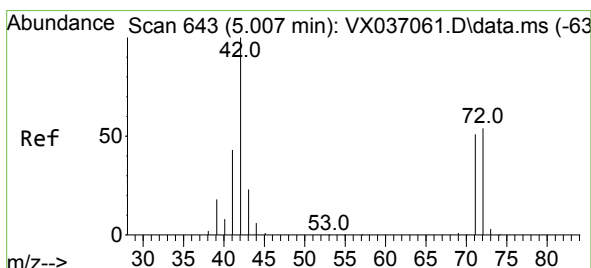
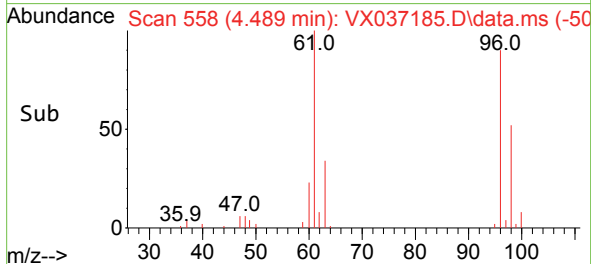
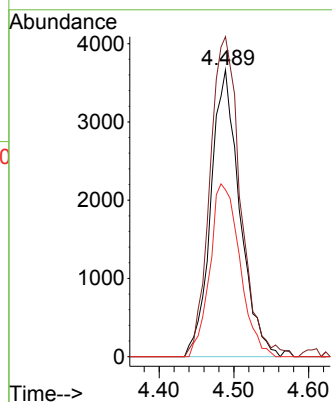
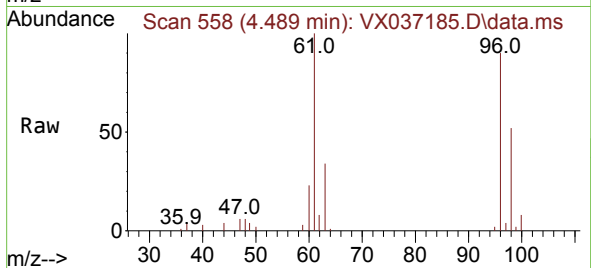




#27
 cis-1,2-Dichloroethene
 Concen: 6.223 ug/l
 RT: 4.489 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX037185.D
 Acq: 23 Aug 2023 15:53

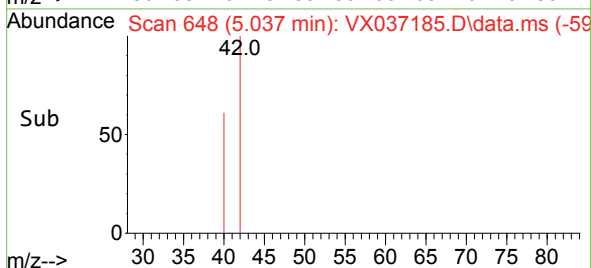
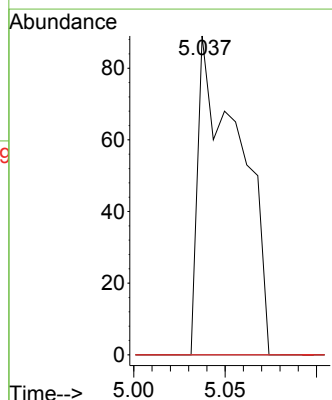
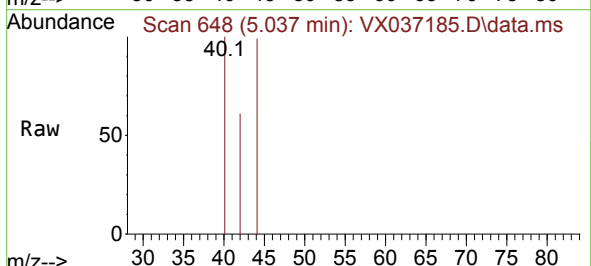
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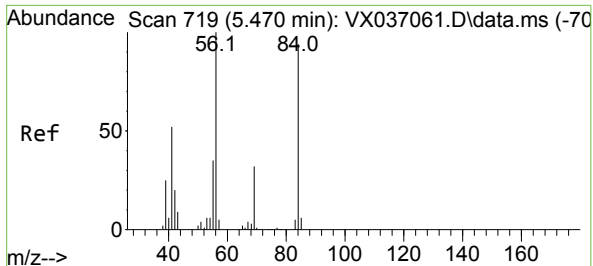
Tgt Ion:	96	Resp:	9845
Ion	Ratio	Lower	Upper
96	100		
61	118.1	0.0	312.2
98	62.4	0.0	129.0



#29
 Tetrahydrofuran
 Concen: 0.227 ug/l
 RT: 5.037 min Scan# 648
 Delta R.T. 0.030 min
 Lab File: VX037185.D
 Acq: 23 Aug 2023 15:53

Tgt Ion:	42	Resp:	141
Ion	Ratio	Lower	Upper
42	100		
72	0.0	34.2	51.4#
71	0.0	32.2	48.2#

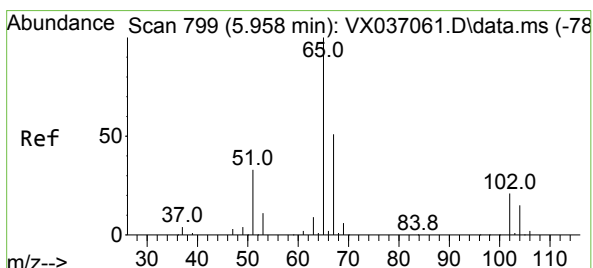
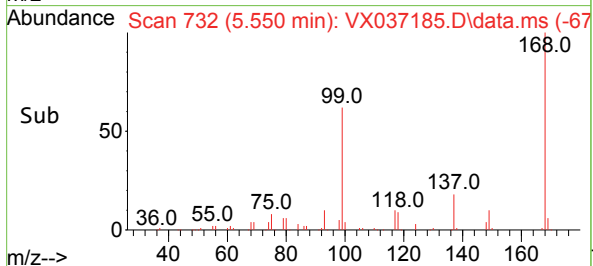
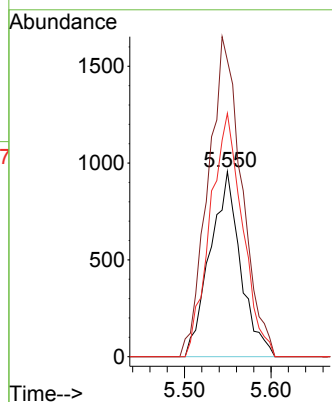
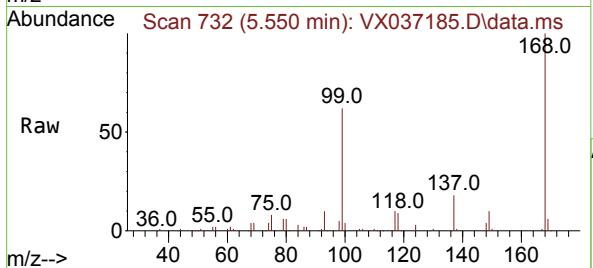




#31
Cyclohexane
Concen: 1.257 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX037185.D
Acq: 23 Aug 2023 15:53

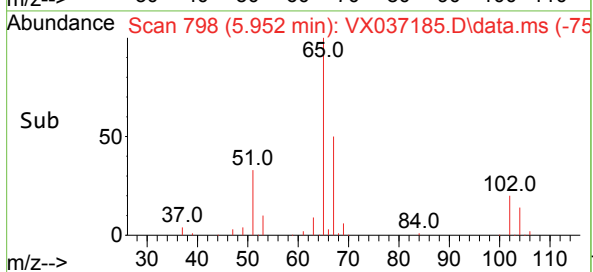
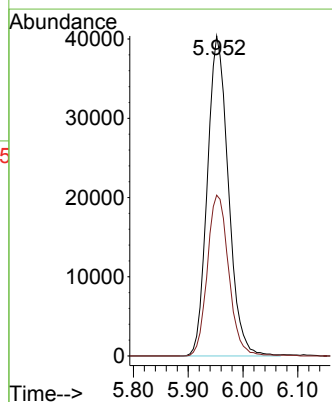
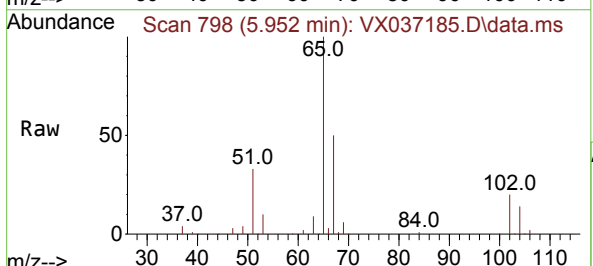
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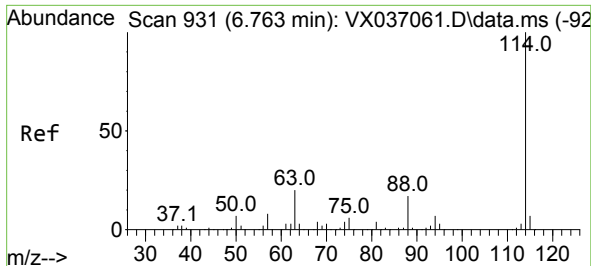
Tgt Ion: 56 Resp: 2337
Ion Ratio Lower Upper
56 100
69 160.0 23.4 35.2#
84 131.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 64.948 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037185.D
Acq: 23 Aug 2023 15:53

Tgt Ion: 65 Resp: 107384
Ion Ratio Lower Upper
65 100
67 51.0 0.0 100.2

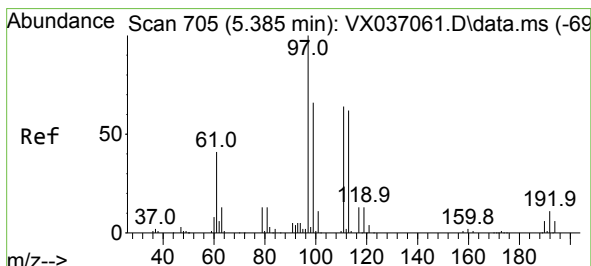
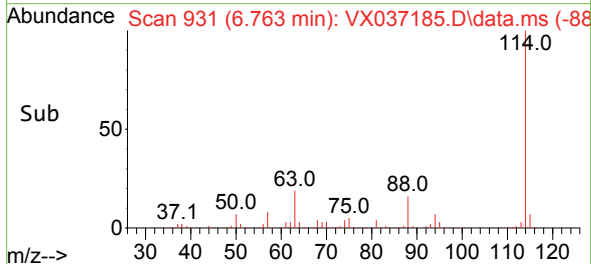
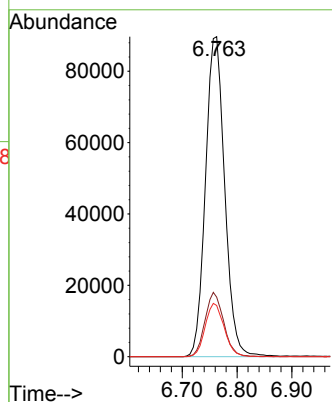
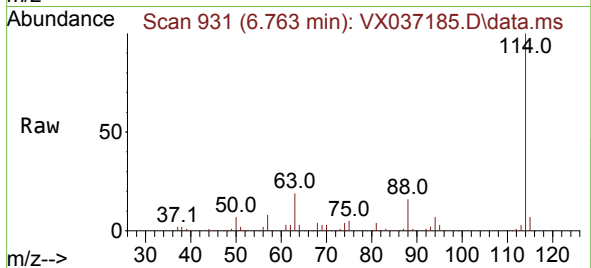




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX037185.D
Acq: 23 Aug 2023 15:53

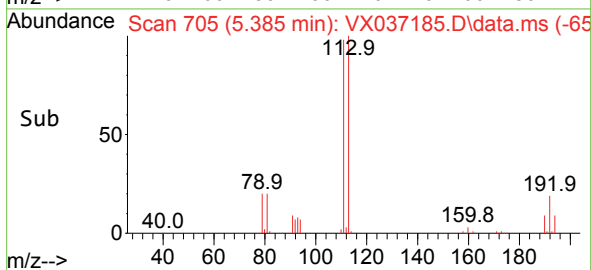
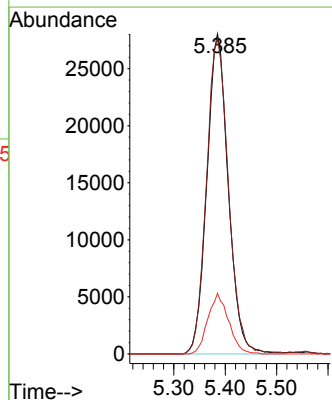
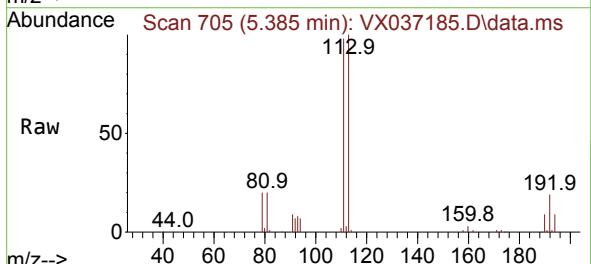
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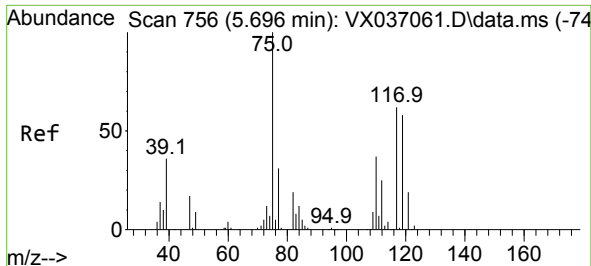
Tgt Ion:114 Resp: 217827
Ion Ratio Lower Upper
114 100
63 18.6 0.0 45.0
88 16.0 0.0 36.6



#35
Dibromofluoromethane
Concen: 56.090 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX037185.D
Acq: 23 Aug 2023 15:53

Tgt Ion:113 Resp: 80917
Ion Ratio Lower Upper
113 100
111 101.7 82.9 124.3
192 18.4 13.3 19.9

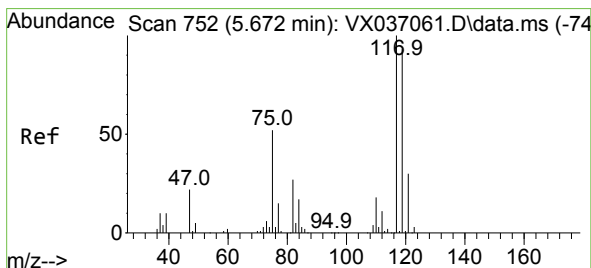
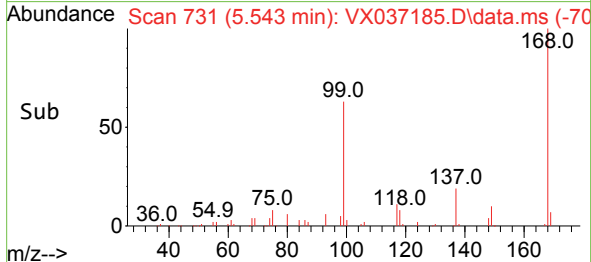
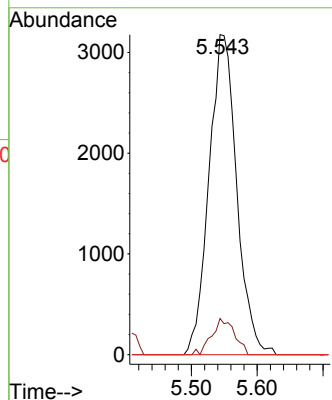
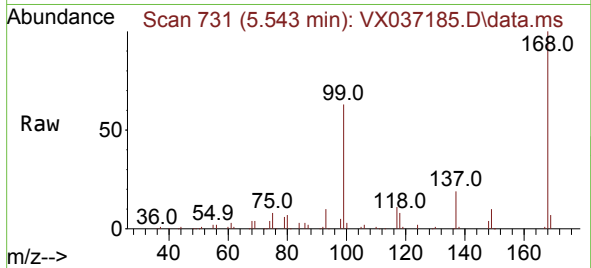




#36
1,1-Dichloropropene
Concen: 4.549 ug/l
RT: 5.543 min Scan# 711
Delta R.T. -0.153 min
Lab File: VX037185.D
Acq: 23 Aug 2023 15:53

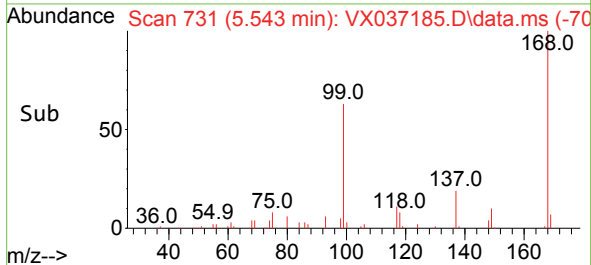
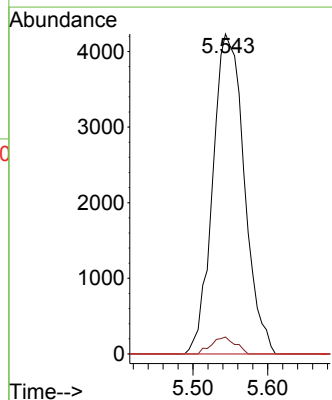
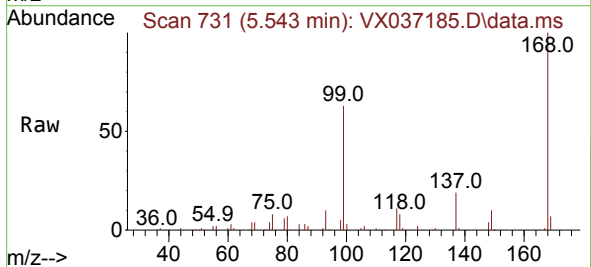
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20230814DL

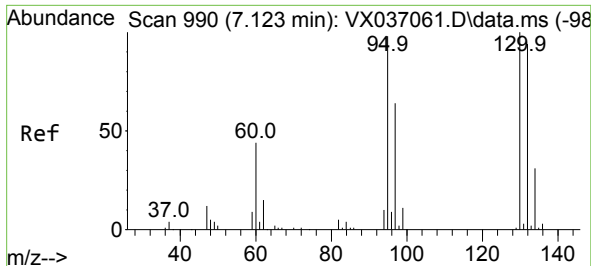
Tgt Ion: 75 Resp: 9324
Ion Ratio Lower Upper
75 100
110 9.3 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.583 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX037185.D
Acq: 23 Aug 2023 15:53

Tgt Ion: 117 Resp: 12429
Ion Ratio Lower Upper
117 100
119 5.3 78.2 117.2#
121 0.0 24.4 36.6#

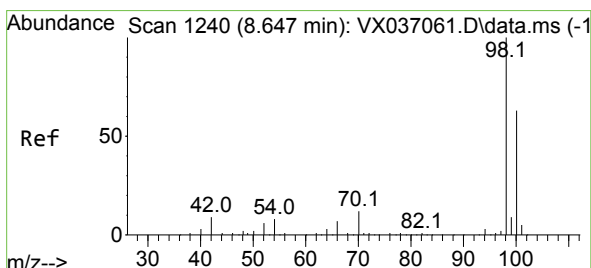
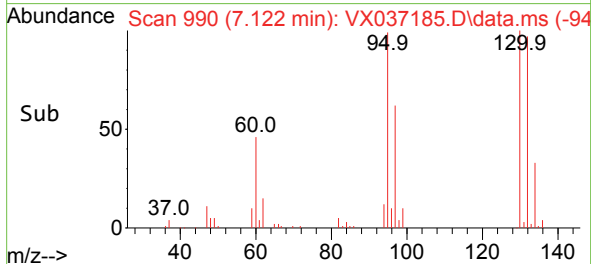
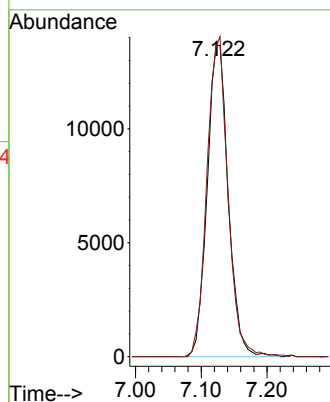
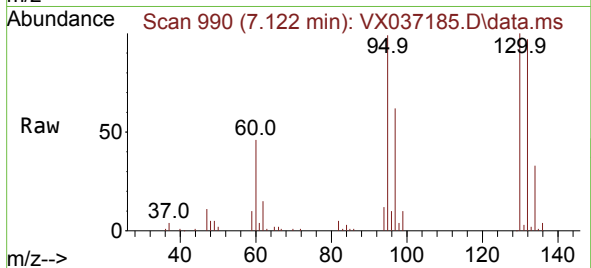




#44
Trichloroethene
Concen: 18.306 ug/l
RT: 7.122 min Scan# 990
Delta R.T. -0.000 min
Lab File: VX037185.D
Acq: 23 Aug 2023 15:53

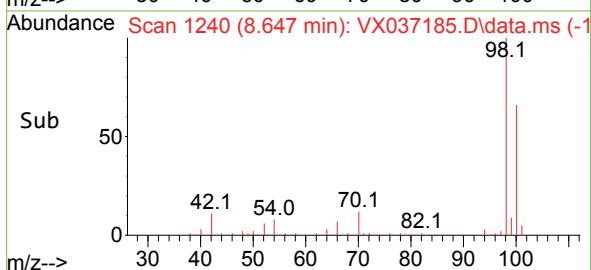
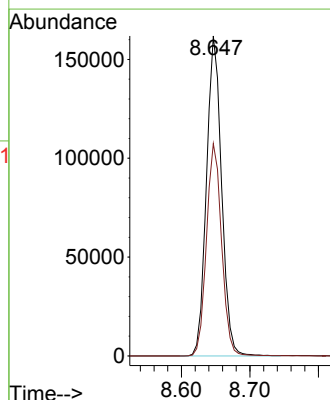
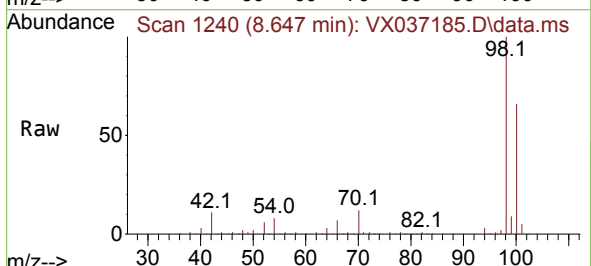
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20230814DL

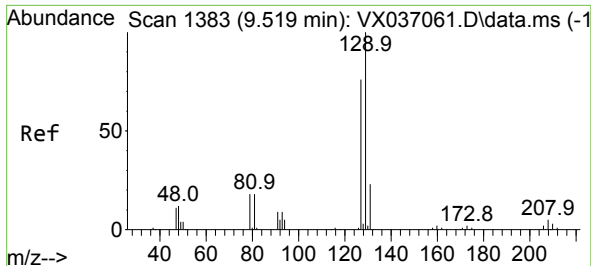
Tgt Ion:130 Resp: 30512
Ion Ratio Lower Upper
130 100
95 99.4 0.0 204.4



#50
Toluene-d8
Concen: 47.479 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX037185.D
Acq: 23 Aug 2023 15:53

Tgt Ion: 98 Resp: 248453
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7

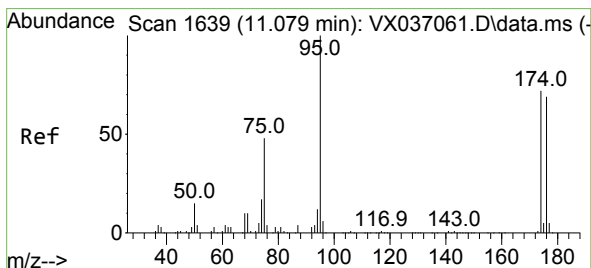
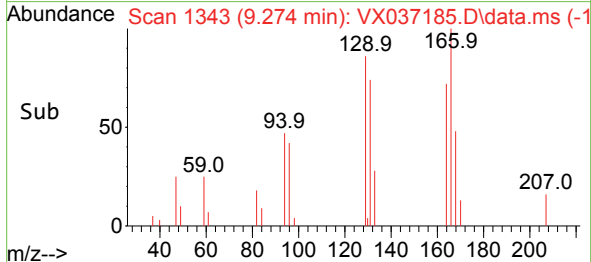
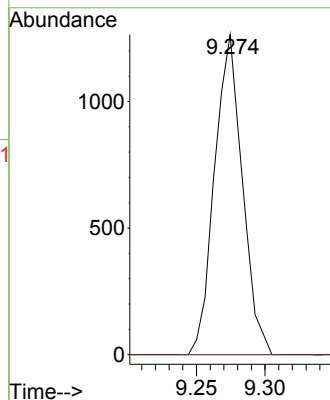
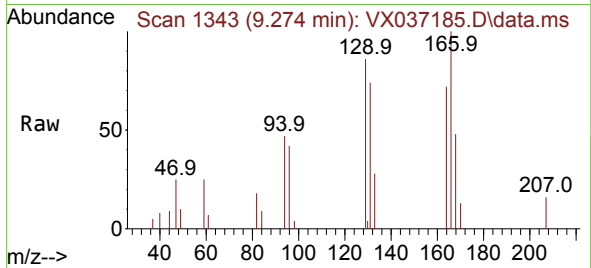




#60
Dibromochloromethane
Concen: 1.060 ug/l
RT: 9.274 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX037185.D
Acq: 23 Aug 2023 15:53

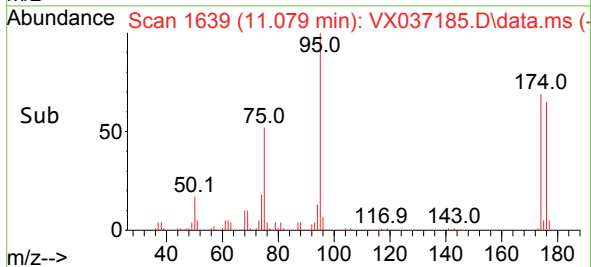
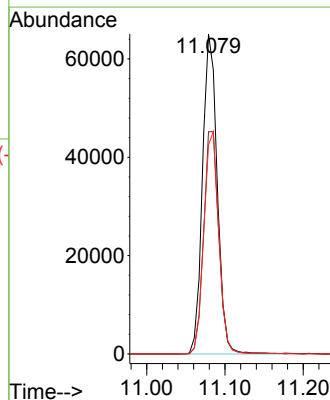
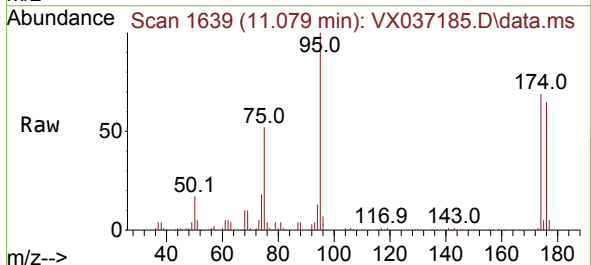
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20230814DL

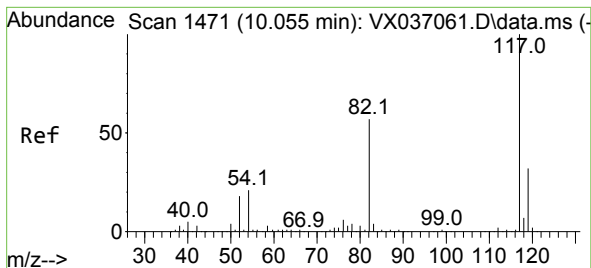
Tgt Ion:129 Resp: 1785
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 41.306 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX037185.D
Acq: 23 Aug 2023 15:53

Tgt Ion: 95 Resp: 84945
Ion Ratio Lower Upper
95 100
174 71.6 0.0 135.6
176 70.3 0.0 131.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX037185.D

Acq: 23 Aug 2023 15:53

Instrument :

MSVOA_X

ClientSampleId :

MW179D-20230814DL

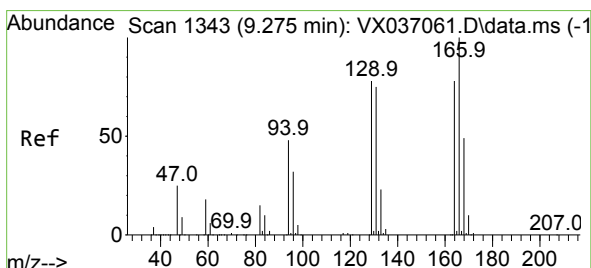
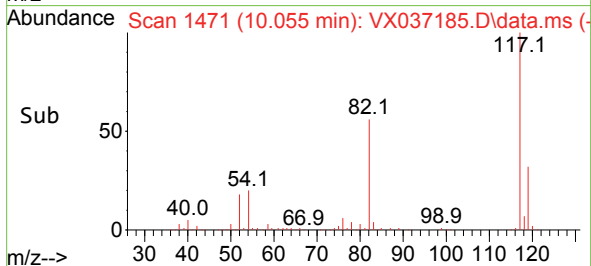
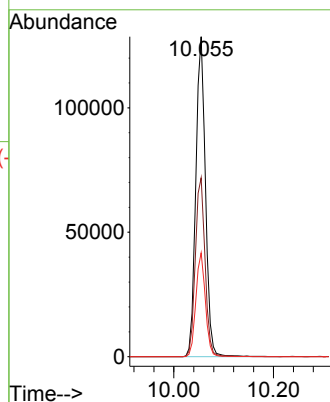
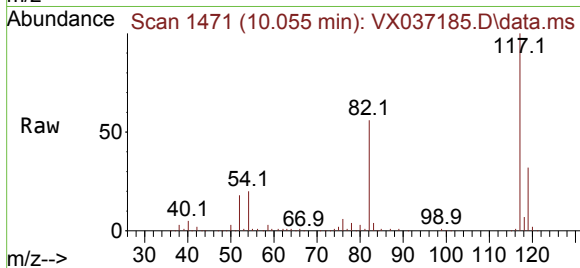
Tgt Ion:117 Resp: 172635

Ion Ratio Lower Upper

117 100

82 55.9 46.2 69.4

119 32.4 25.5 38.3



#64

Tetrachloroethene

Concen: 1.376 ug/l

RT: 9.274 min Scan# 1343

Delta R.T. -0.000 min

Lab File: VX037185.D

Acq: 23 Aug 2023 15:53

Tgt Ion:164 Resp: 1733

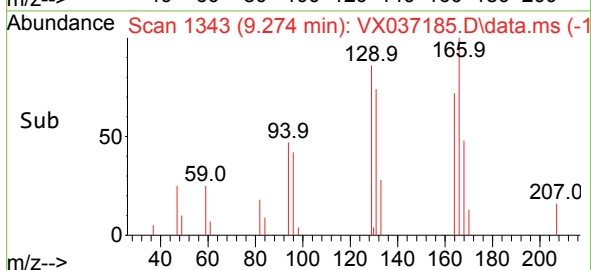
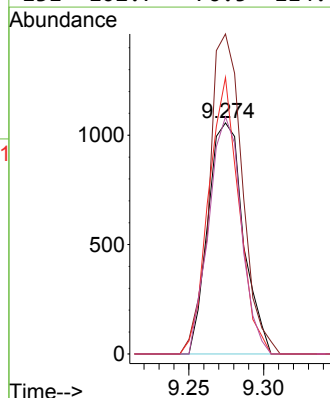
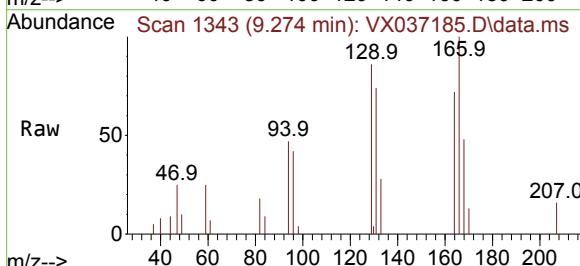
Ion Ratio Lower Upper

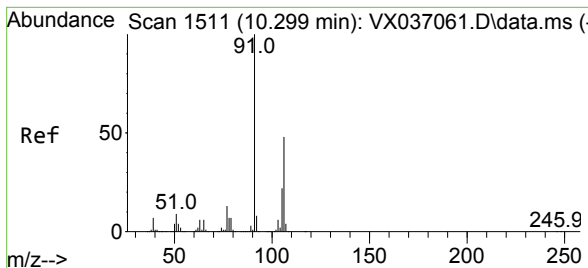
164 100

166 138.5 102.7 154.1

129 119.7 80.4 120.6

131 102.7 76.5 114.7

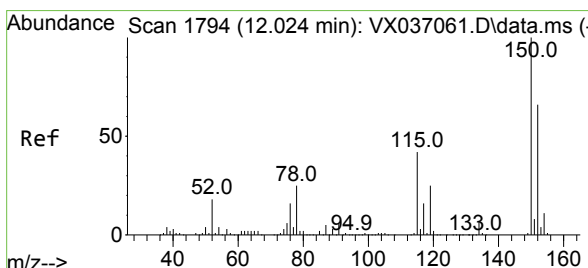
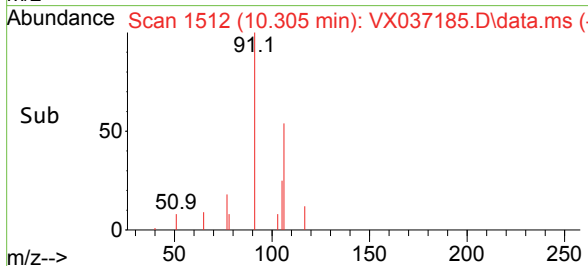
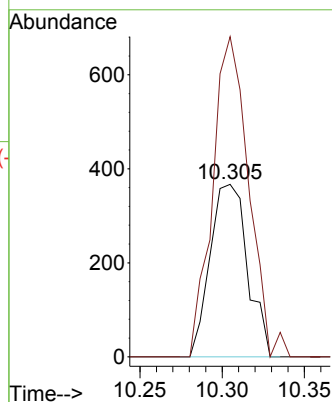
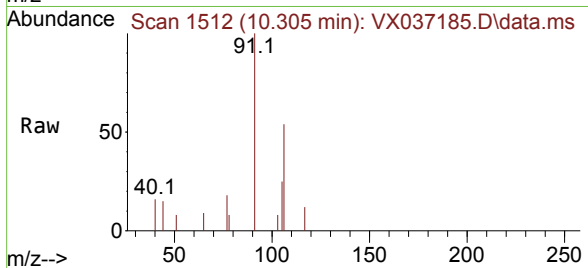




#68
m/p-Xylenes
Concen: 0.234 ug/l
RT: 10.305 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037185.D
Acq: 23 Aug 2023 15:53

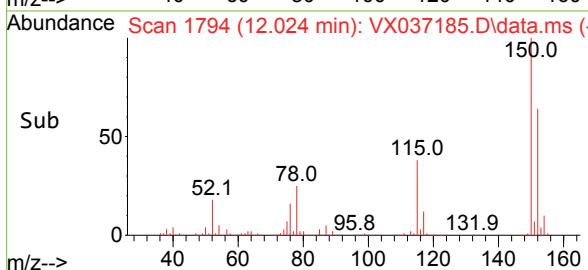
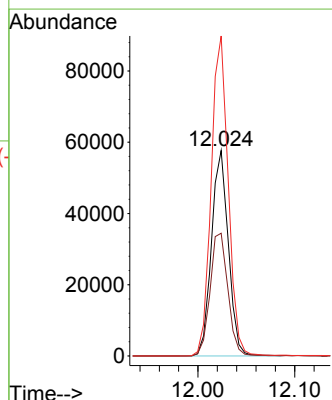
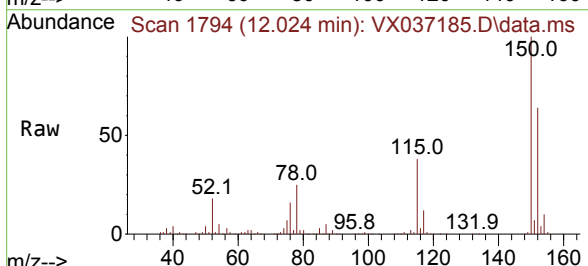
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20230814DL

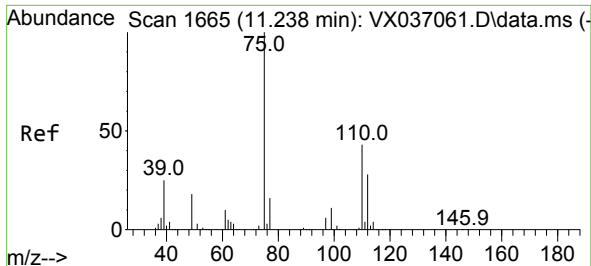
Tgt Ion:106 Resp: 581
Ion Ratio Lower Upper
106 100
91 179.2 165.5 248.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX037185.D
Acq: 23 Aug 2023 15:53

Tgt Ion:152 Resp: 70034
Ion Ratio Lower Upper
152 100
115 63.3 43.3 129.9
150 157.8 0.0 345.0

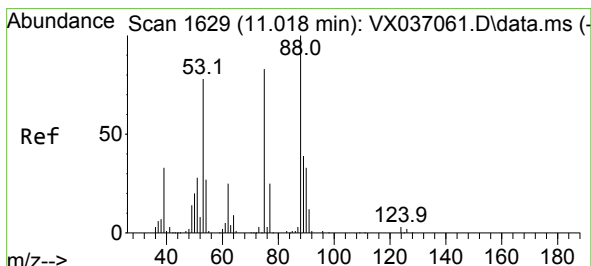
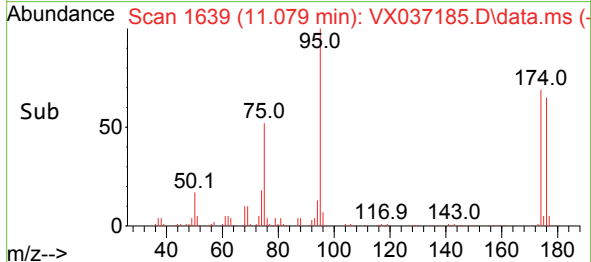
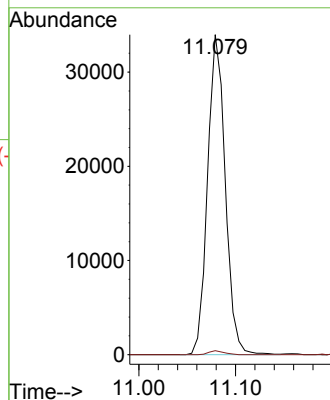
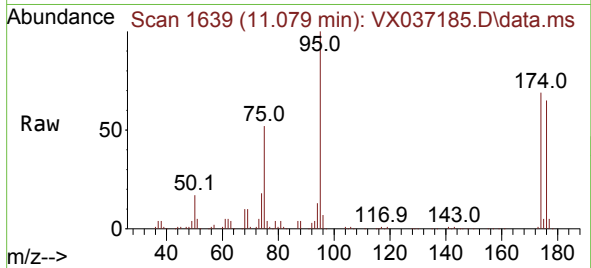




#76
1,2,3-Trichloropropane
Concen: 29.035 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX037185.D
Acq: 23 Aug 2023 15:53

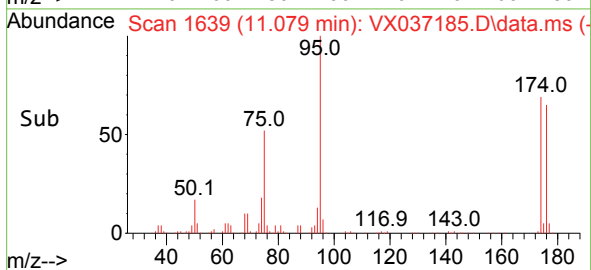
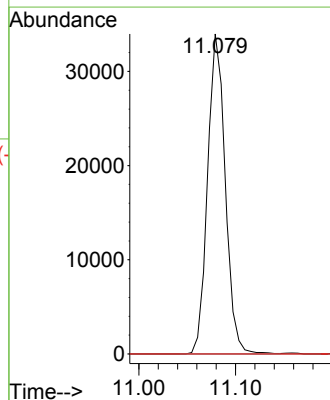
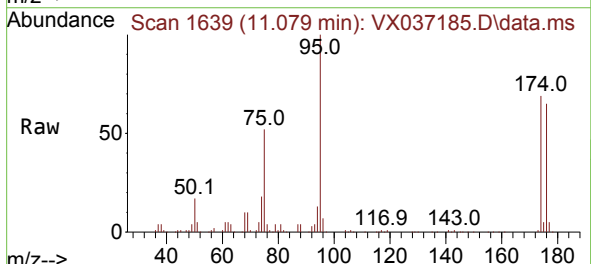
Instrument :
MSVOA_X
ClientSampleId :
MW179D-20230814DL

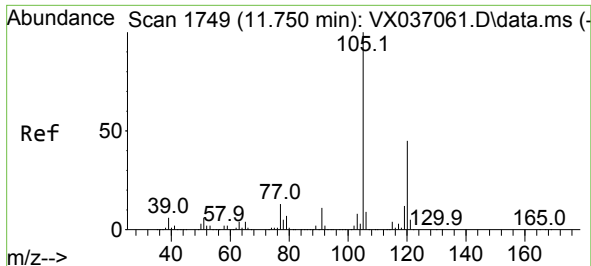
Tgt Ion: 75 Resp: 43305
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.095 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037185.D
Acq: 23 Aug 2023 15:53

Tgt Ion: 75 Resp: 43305
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#

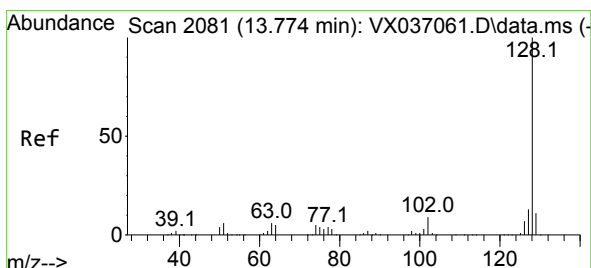
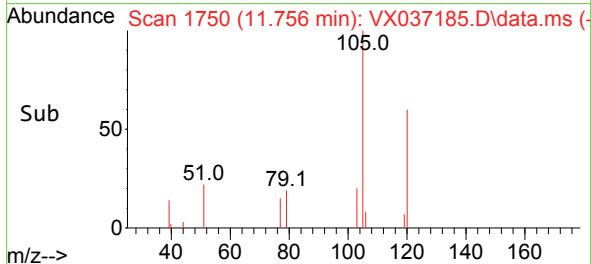
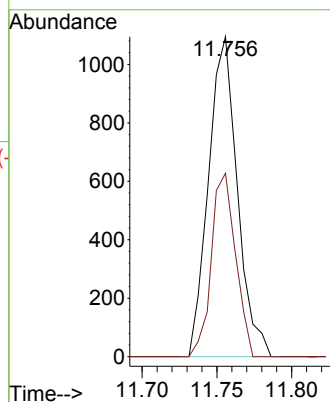
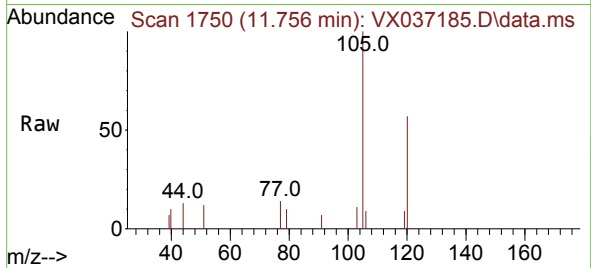




#84
1,2,4-Trimethylbenzene
Concen: 0.342 ug/l
RT: 11.756 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX037185.D
Acq: 23 Aug 2023 15:53

Instrument :
MSVOA_X
ClientSampleId :
MW179D-20230814DL

Tgt Ion:105 Resp: 1468
Ion Ratio Lower Upper
105 100
120 48.0 21.2 63.6



#95
Naphthalene
Concen: 0.742 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX037185.D
Acq: 23 Aug 2023 15:53

Tgt Ion:128 Resp: 4334
Ion Ratio Lower Upper
128 100
127 13.6 10.3 15.5
129 11.3 8.8 13.2

