

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081823\
 Data File : VX037119.D
 Acq On : 19 Aug 2023 09:09
 Operator : JC/MD
 Sample : 04025-10
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 21 01:45:33 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)

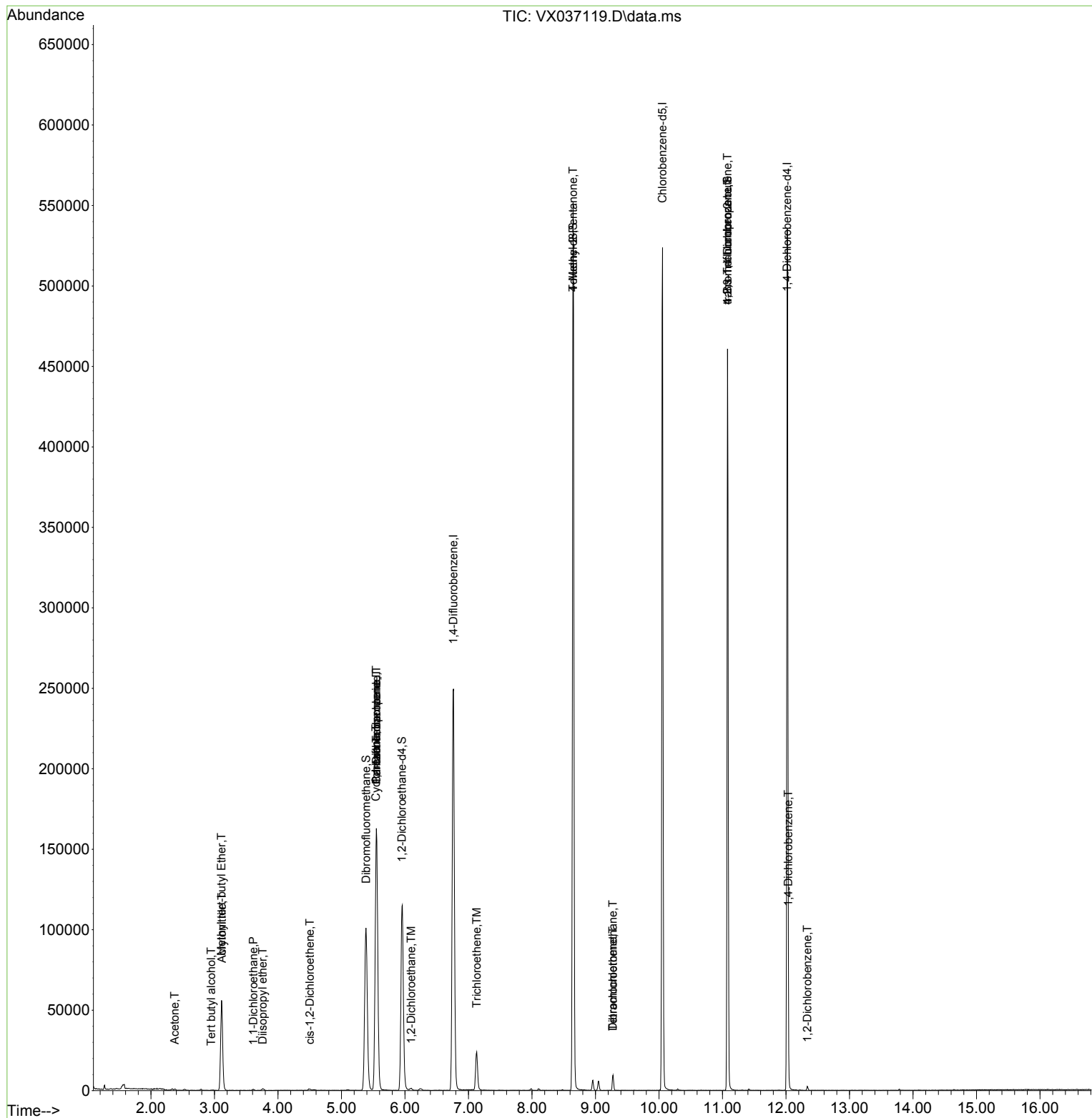
Internal Standards						
1) Pentafluorobenzene	5.550	168	149769	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	263643	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	239187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	110181	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	116909	54.145	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 108.280%		
35) Dibromofluoromethane	5.385	113	89386	51.193	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.380%		
50) Toluene-d8	8.647	98	333188	52.607	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 105.220%		
62) 4-Bromofluorobenzene	11.079	95	125428	50.393	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 100.780%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	140	0.276	ug/l #	78
15) Acrylonitrile	3.117	53	631	0.698	ug/l #	23
16) Acetone	2.374	43	860	1.018	ug/l	94
19) Methyl tert-butyl Ether	3.111	73	63775	10.907	ug/l	95
22) Diisopropyl ether	3.758	45	1146	0.234	ug/l #	70
24) 1,1-Dichloroethane	3.611	63	1055	0.344	ug/l #	83
27) cis-1,2-Dichloroethene	4.501	96	642	0.311	ug/l	79
31) Cyclohexane	5.544	56	3024	1.246	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11602	4.677	ug/l #	52
38) Carbon Tetrachloride	5.550	117	16294	6.047	ug/l #	15
42) 1,2-Dichloroethane	6.099	62	1393	0.499	ug/l	86
44) Trichloroethene	7.129	130	9498	4.708	ug/l	99
51) 4-Methyl-2-Pentanone	8.647	43	1426	0.584	ug/l #	1
60) Dibromochloromethane	9.275	129	1918	0.941	ug/l #	11
64) Tetrachloroethene	9.275	164	1831	1.049	ug/l	94
76) 1,2,3-Trichloropropane	11.079	75	64506	27.490	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	64506	76.782	ug/l #	5
88) 1,4-Dichlorobenzene	12.037	146	1068	0.282	ug/l #	1
91) 1,2-Dichlorobenzene	12.335	146	1005	0.280	ug/l	90

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

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Misc : 5.0mL/MSVOA_X/WATER
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MSVOA_X
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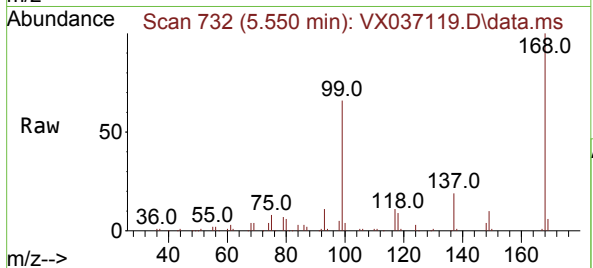
Quant Time: Aug 21 01:45:33 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration



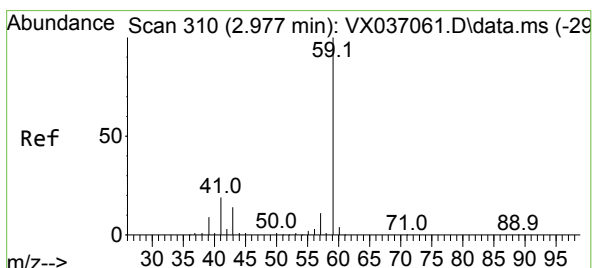
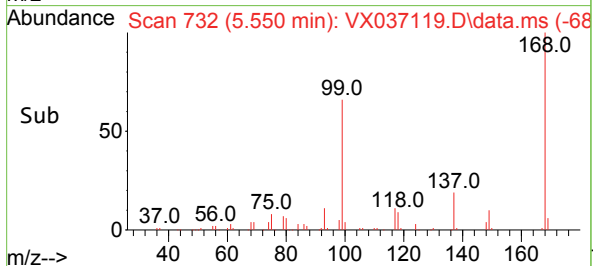
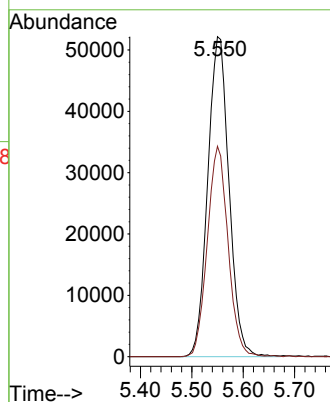


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037119.D
Acq: 19 Aug 2023 09:09

Instrument :
MSVOA_X
ClientSampleId :

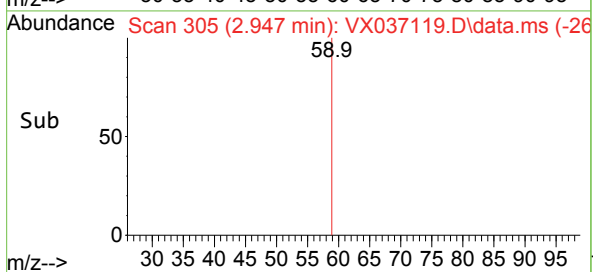
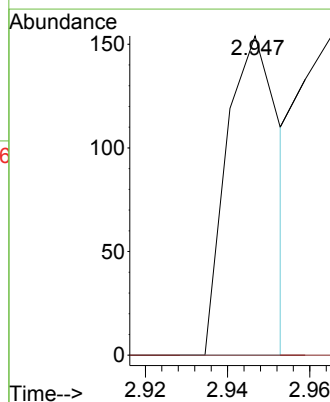
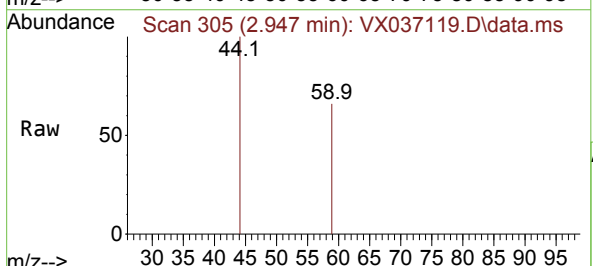


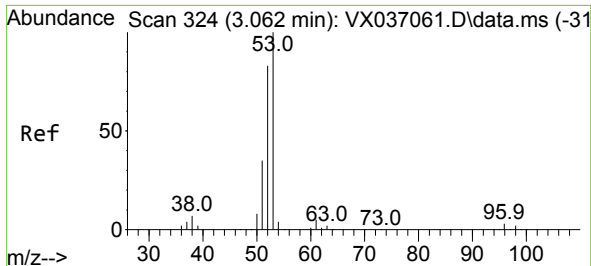
Tgt Ion:168 Resp: 149769
Ion Ratio Lower Upper
168 100
99 65.8 56.6 85.0



#11
Tert butyl alcohol
Concen: 0.276 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX037119.D
Acq: 19 Aug 2023 09:09

Tgt Ion: 59 Resp: 140
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#

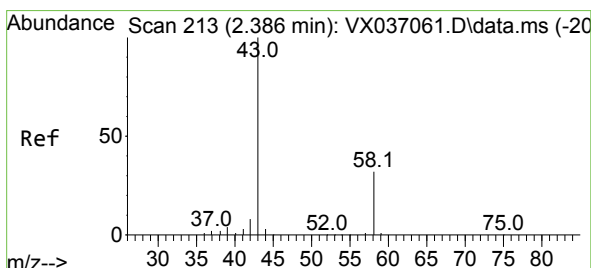
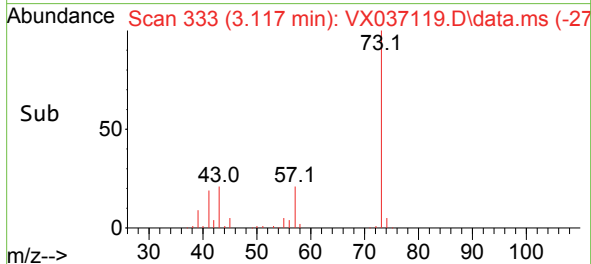
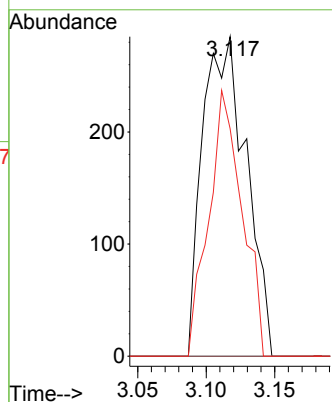
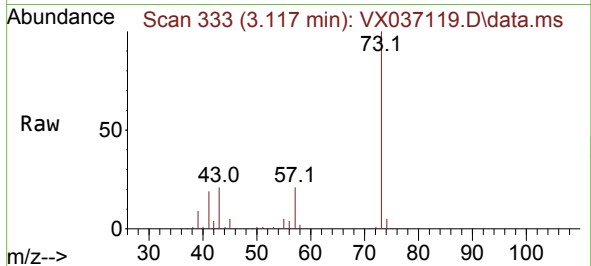




#15
Acrylonitrile
Concen: 0.698 ug/l
RT: 3.117 min Scan# 31
Delta R.T. 0.055 min
Lab File: VX037119.D
Acq: 19 Aug 2023 09:09

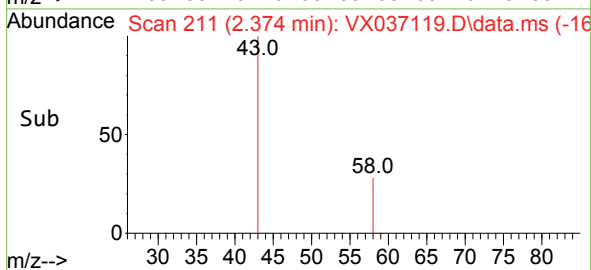
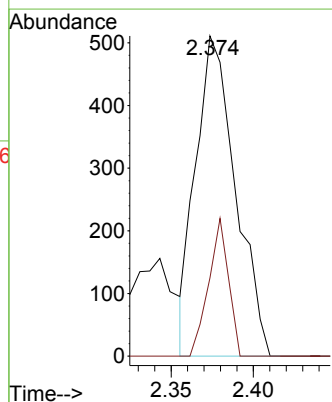
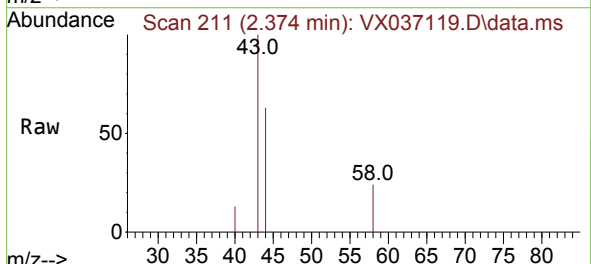
Instrument :
MSVOA_X
ClientSampleId :

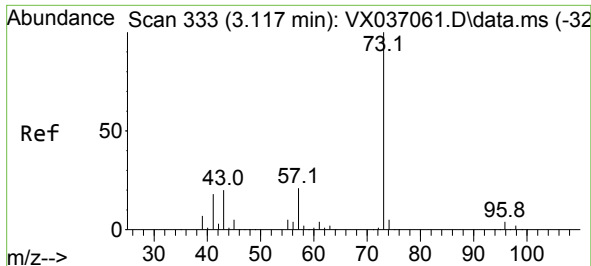
Tgt Ion: 53 Resp: 631
Ion Ratio Lower Upper
53 100
52 0.0 66.0 99.0#
51 63.7 29.8 44.6#



#16
Acetone
Concen: 1.018 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.012 min
Lab File: VX037119.D
Acq: 19 Aug 2023 09:09

Tgt Ion: 43 Resp: 860
Ion Ratio Lower Upper
43 100
58 24.5 21.9 32.9

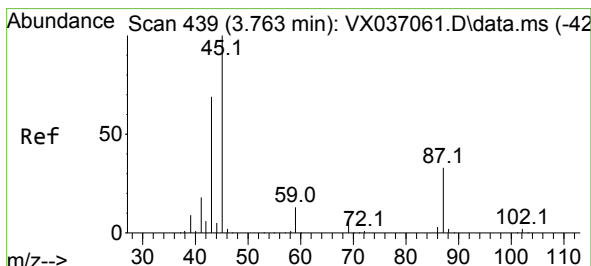
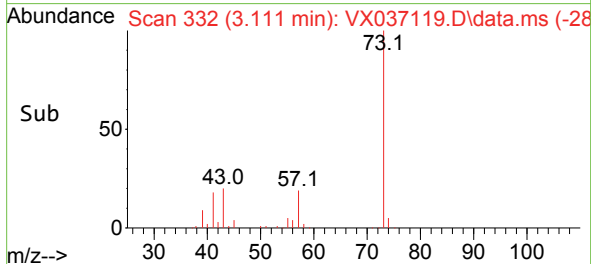
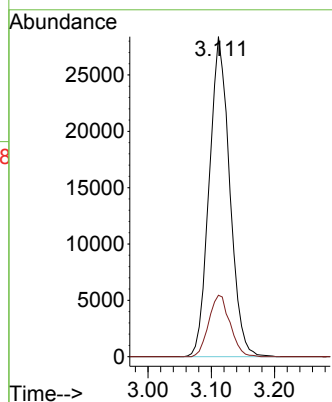
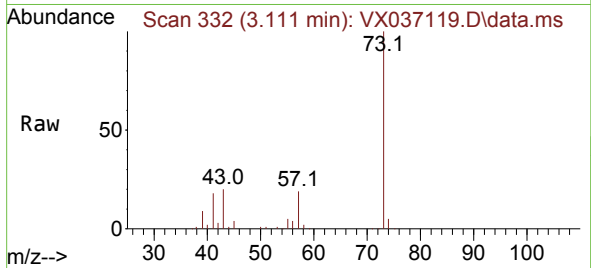




#19
Methyl tert-butyl Ether
Concen: 10.907 ug/l
RT: 3.111 min Scan# 311
Delta R.T. -0.006 min
Lab File: VX037119.D
Acq: 19 Aug 2023 09:09

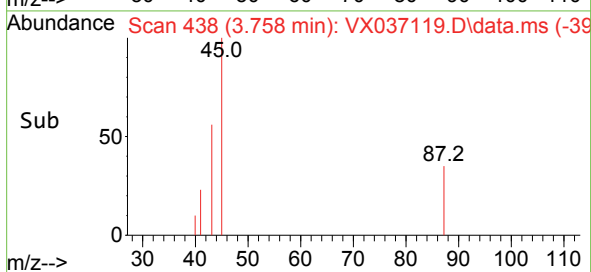
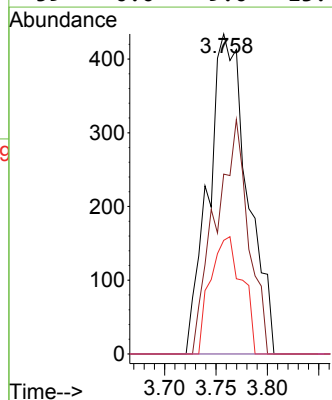
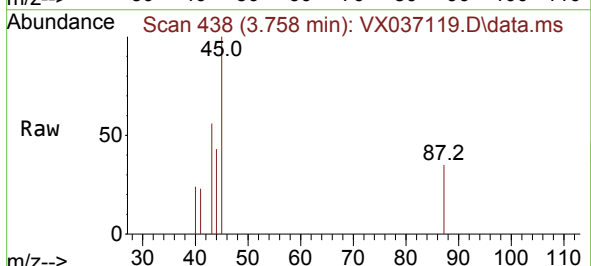
Instrument :
MSVOA_X
ClientSampleId :

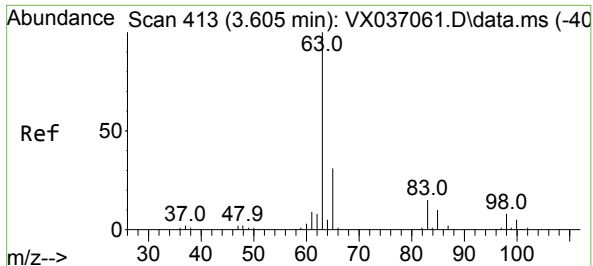
Tgt Ion: 73 Resp: 63775
Ion Ratio Lower Upper
73 100
57 19.2 17.3 25.9



#22
Diisopropyl ether
Concen: 0.234 ug/l
RT: 3.758 min Scan# 438
Delta R.T. -0.006 min
Lab File: VX037119.D
Acq: 19 Aug 2023 09:09

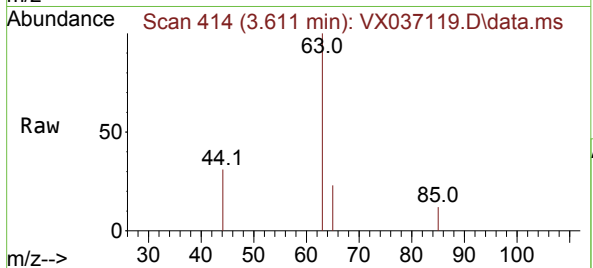
Tgt Ion: 45 Resp: 1146
Ion Ratio Lower Upper
45 100
43 56.2 69.7 104.5#
87 35.5 20.8 31.2#
59 0.0 9.0 13.4#



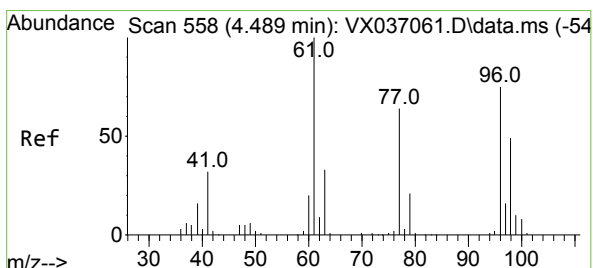
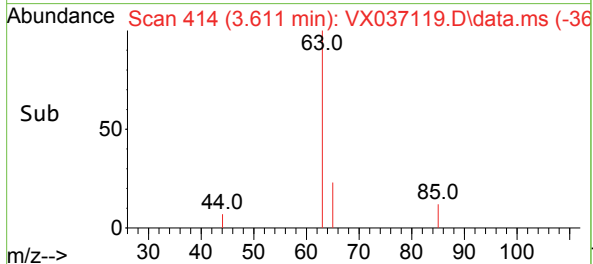
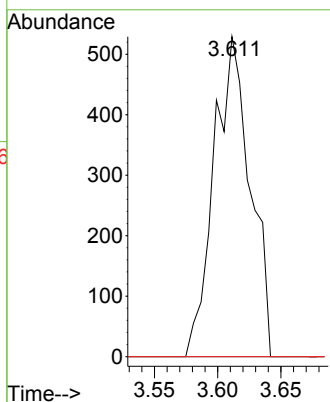


#24
 1,1-Dichloroethane
 Concen: 0.344 ug/l
 RT: 3.611 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VX037119.D
 Acq: 19 Aug 2023 09:09

Instrument :
 MSVOA_X
 ClientSampleId :

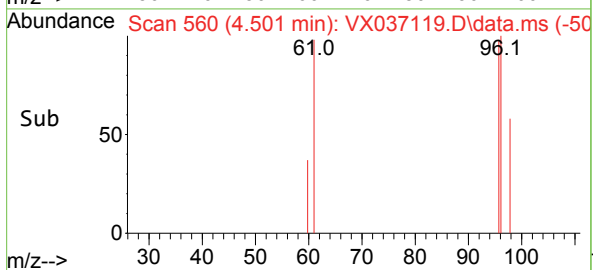
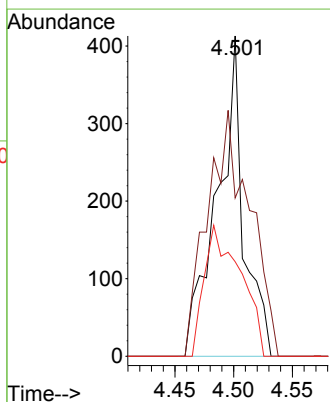
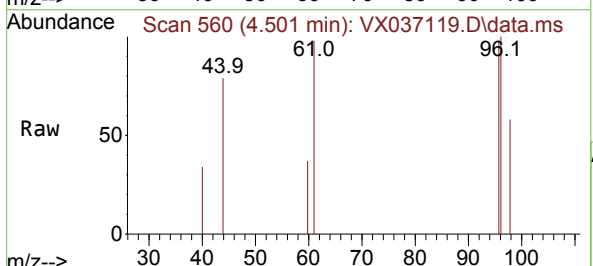


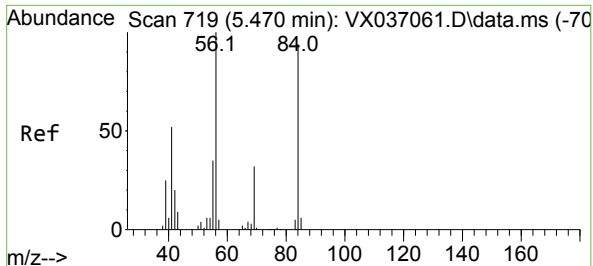
Tgt Ion: 63 Resp: 1055
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.3 9.8#
 100 0.0 2.1 6.5#



#27
 cis-1,2-Dichloroethene
 Concen: 0.311 ug/l
 RT: 4.501 min Scan# 560
 Delta R.T. 0.012 min
 Lab File: VX037119.D
 Acq: 19 Aug 2023 09:09

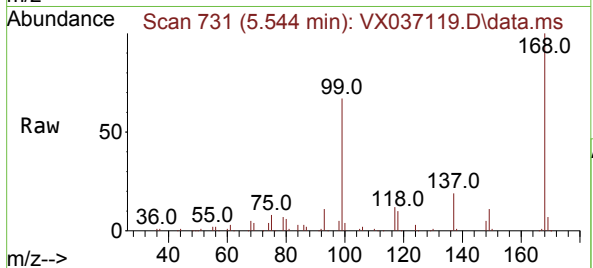
Tgt Ion: 96 Resp: 642
 Ion Ratio Lower Upper
 96 100
 61 123.7 0.0 312.2
 98 56.5 0.0 129.0



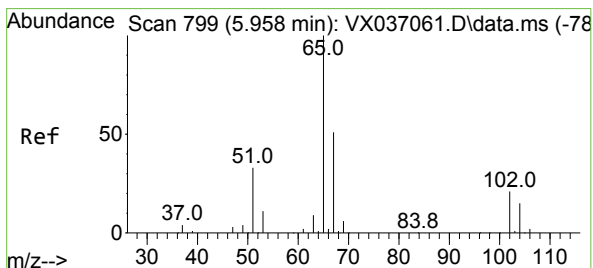
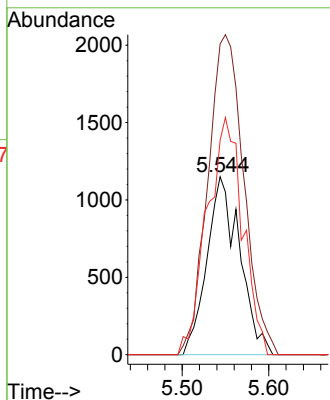
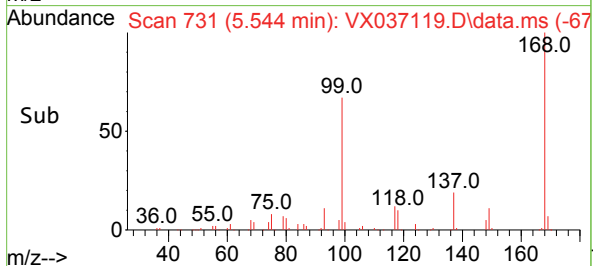


#31
Cyclohexane
Concen: 1.246 ug/l
RT: 5.544 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX037119.D
Acq: 19 Aug 2023 09:09

Instrument :
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ClientSampleId :

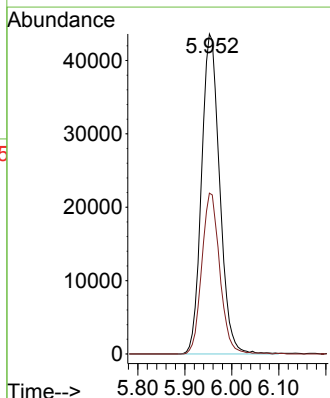
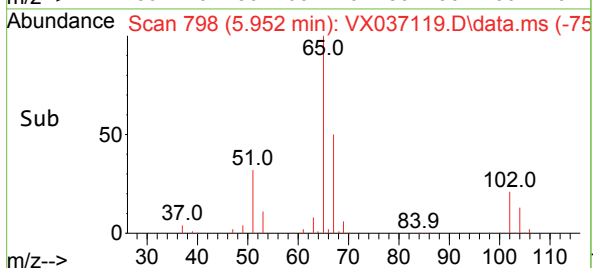
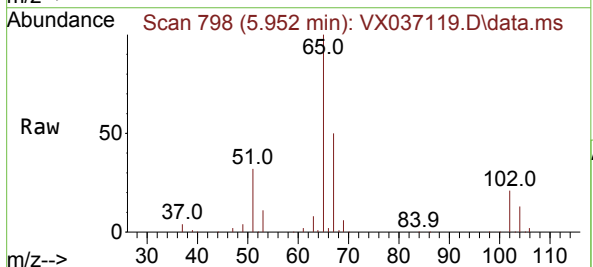


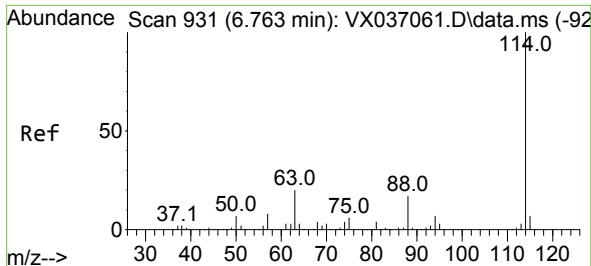
Tgt Ion: 56 Resp: 3024
Ion Ratio Lower Upper
56 100
69 174.6 23.4 35.2#
84 120.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 54.145 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX037119.D
Acq: 19 Aug 2023 09:09

Tgt Ion: 65 Resp: 116909
Ion Ratio Lower Upper
65 100
67 49.9 0.0 100.2

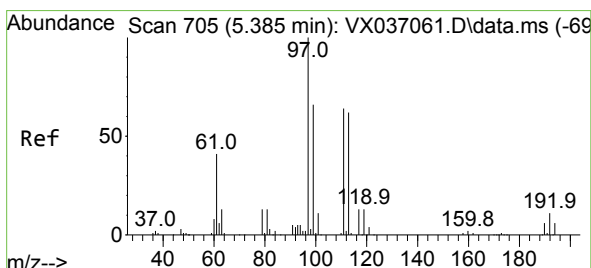
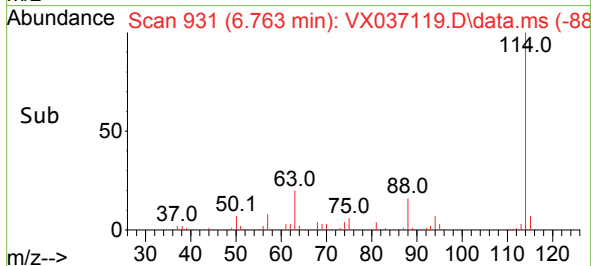
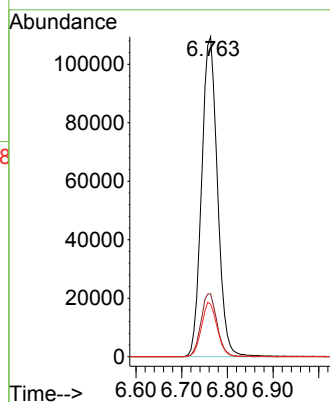
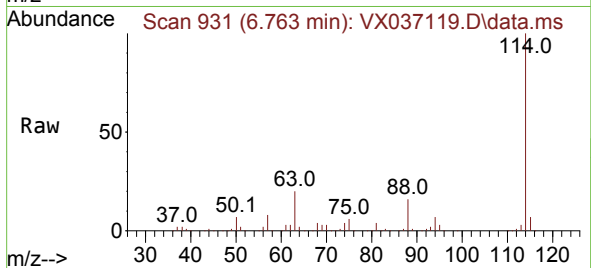




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX037119.D
Acq: 19 Aug 2023 09:09

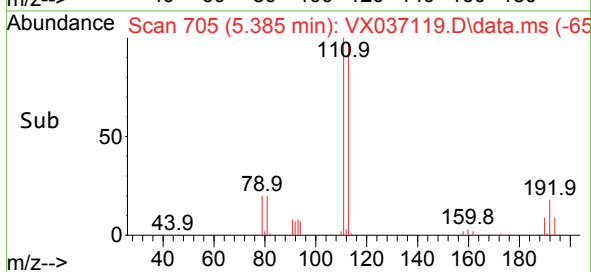
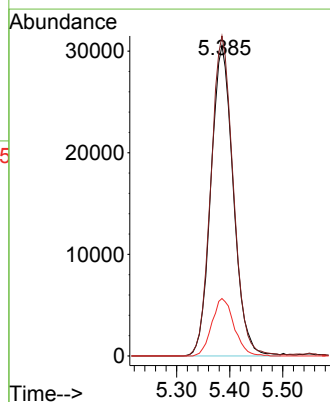
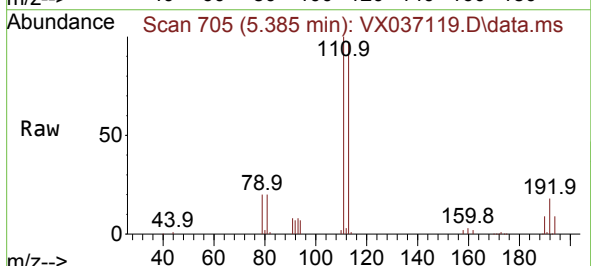
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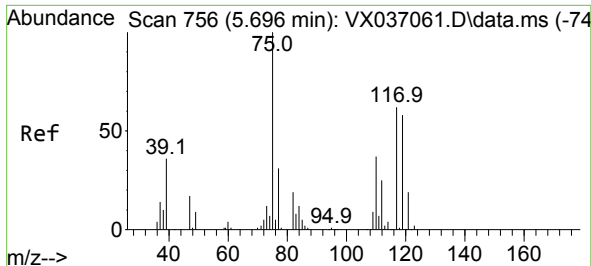
Tgt Ion:114 Resp: 263643
Ion Ratio Lower Upper
114 100
63 19.6 0.0 45.0
88 16.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 51.193 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037119.D
Acq: 19 Aug 2023 09:09

Tgt Ion:113 Resp: 89386
Ion Ratio Lower Upper
113 100
111 103.2 82.9 124.3
192 18.5 13.3 19.9

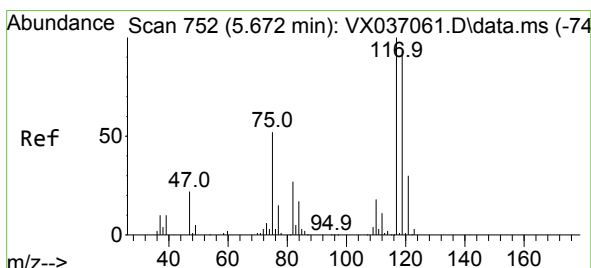
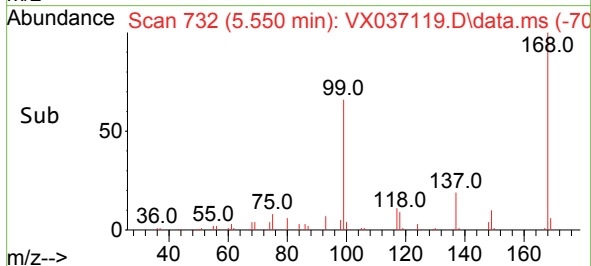
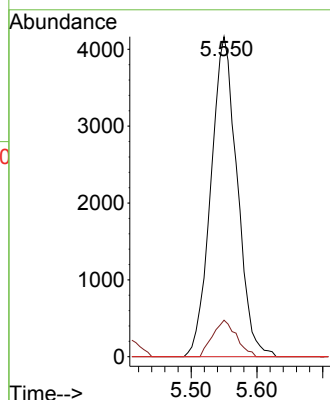
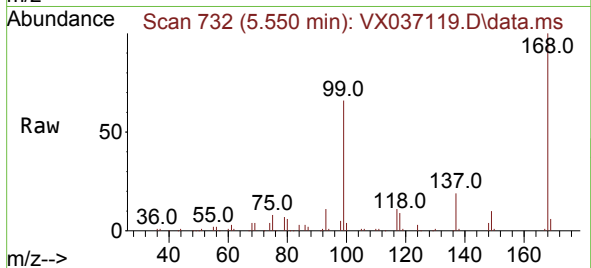




#36
1,1-Dichloropropene
Concen: 4.677 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.146 min
Lab File: VX037119.D
Acq: 19 Aug 2023 09:09

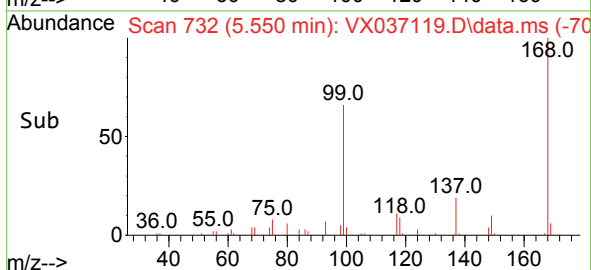
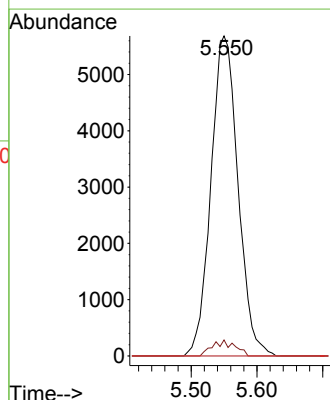
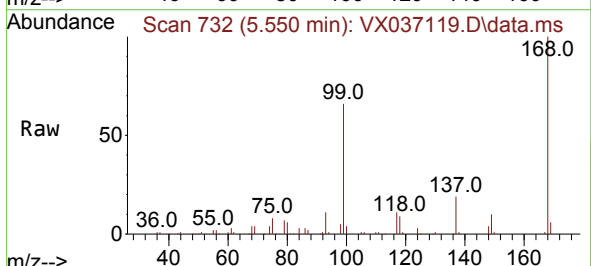
Instrument :
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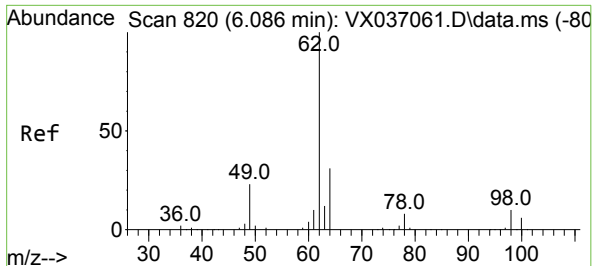
Tgt Ion: 75 Resp: 11602
Ion Ratio Lower Upper
75 100
110 10.3 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 6.047 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.122 min
Lab File: VX037119.D
Acq: 19 Aug 2023 09:09

Tgt Ion: 117 Resp: 16294
Ion Ratio Lower Upper
117 100
119 5.0 78.2 117.2#
121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.499 ug/l

RT: 6.099 min Scan# 81

Delta R.T. 0.012 min

Lab File: VX037119.D

Acq: 19 Aug 2023 09:09

Instrument :

MSVOA_X

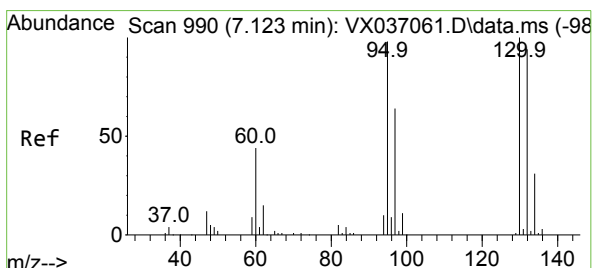
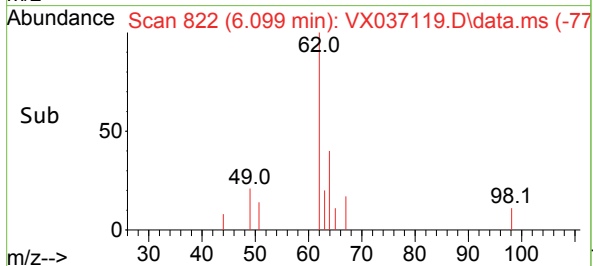
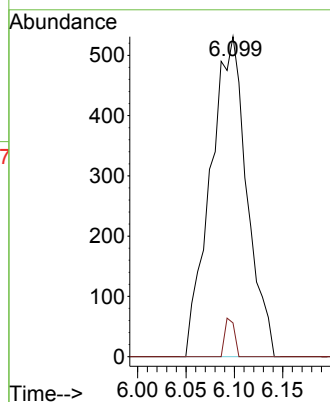
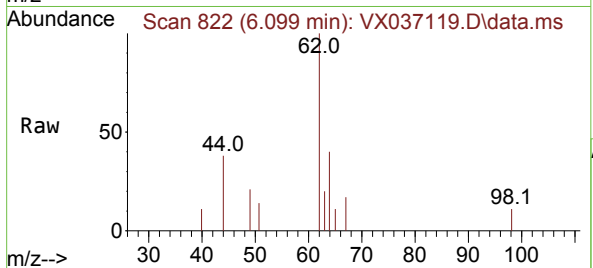
ClientSampleId :

Tgt Ion: 62 Resp: 1393

Ion Ratio Lower Upper

62 100

98 3.2 0.0 16.0



#44

Trichloroethene

Concen: 4.708 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX037119.D

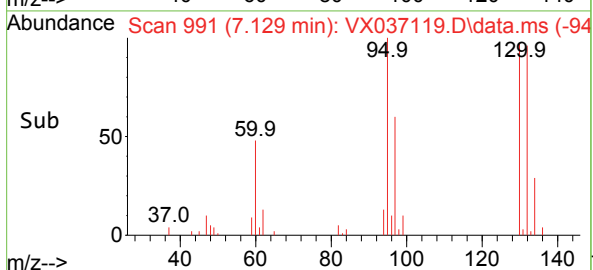
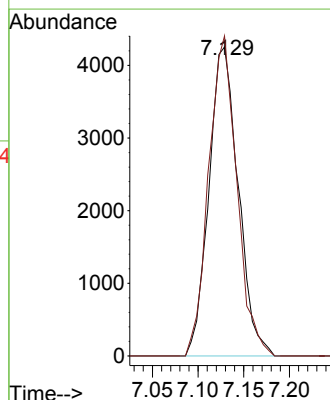
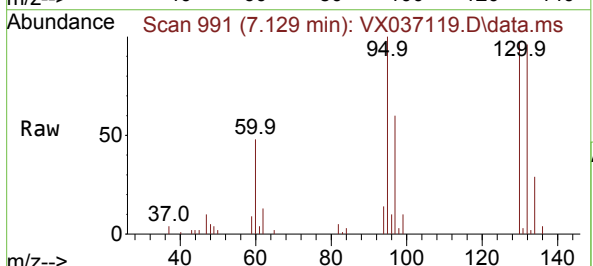
Acq: 19 Aug 2023 09:09

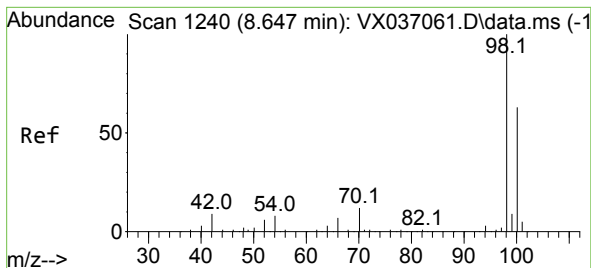
Tgt Ion:130 Resp: 9498

Ion Ratio Lower Upper

130 100

95 103.5 0.0 204.4





#50

Toluene-d8

Concen: 52.607 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX037119.D

Acq: 19 Aug 2023 09:09

Instrument :

MSVOA_X

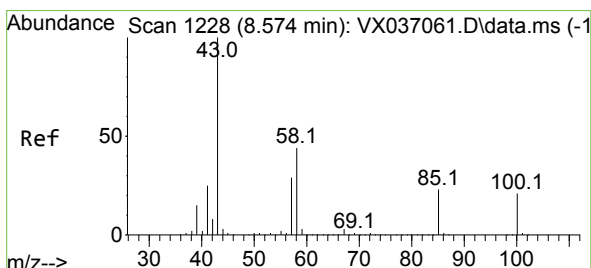
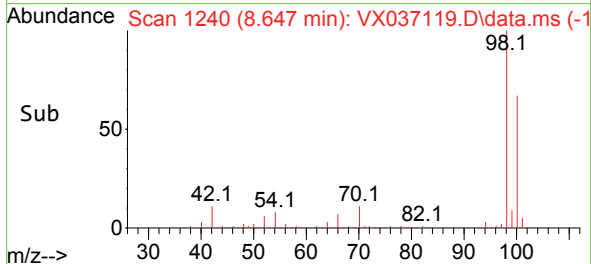
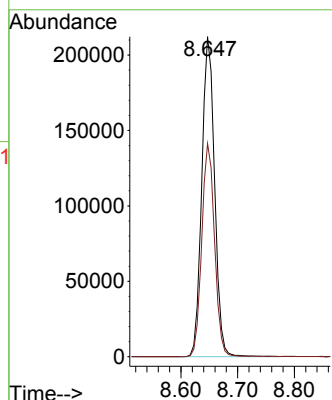
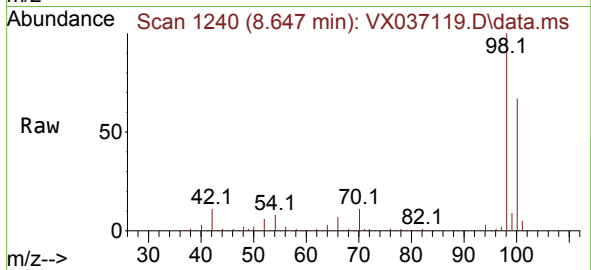
ClientSampleId :

Tgt Ion: 98 Resp: 333188

Ion Ratio Lower Upper

98 100

100 66.4 53.1 79.7



#51

4-Methyl-2-Pentanone

Concen: 0.584 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX037119.D

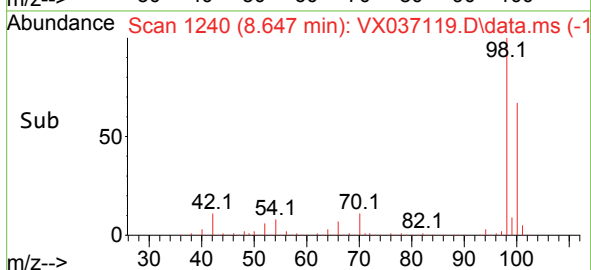
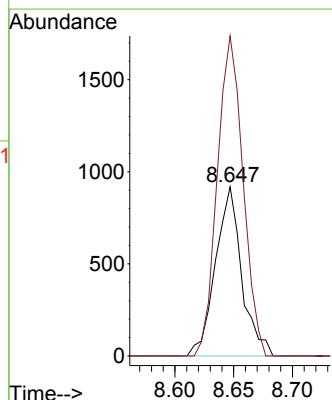
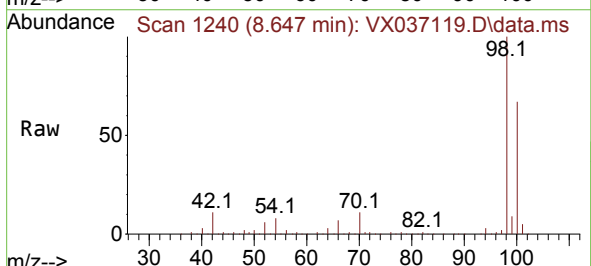
Acq: 19 Aug 2023 09:09

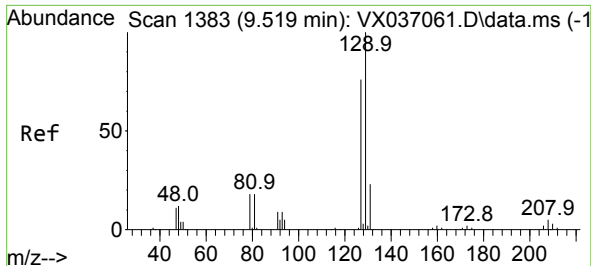
Tgt Ion: 43 Resp: 1426

Ion Ratio Lower Upper

43 100

58 185.5 30.4 45.6#

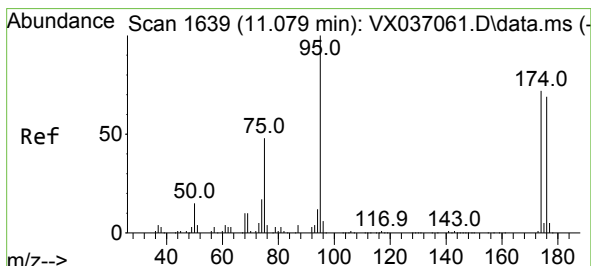
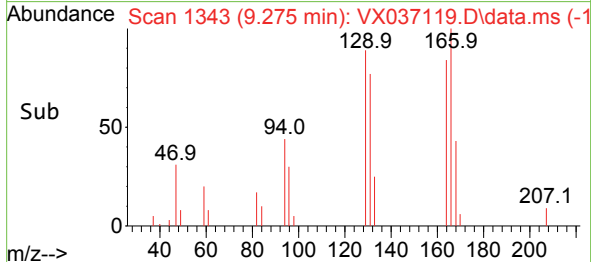
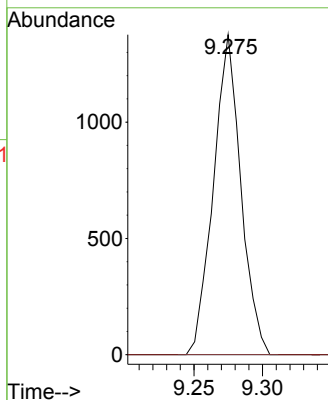
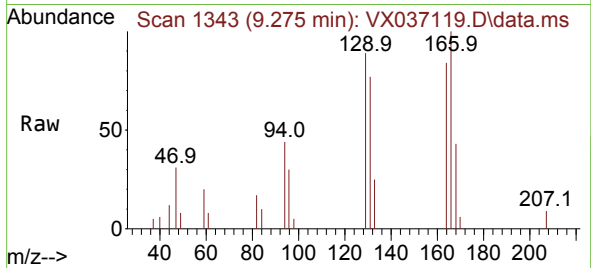




#60
Dibromochloromethane
Concen: 0.941 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.244 min
Lab File: VX037119.D
Acq: 19 Aug 2023 09:09

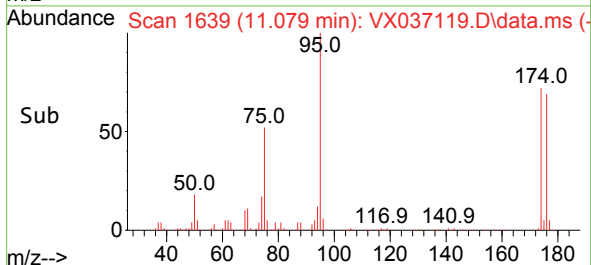
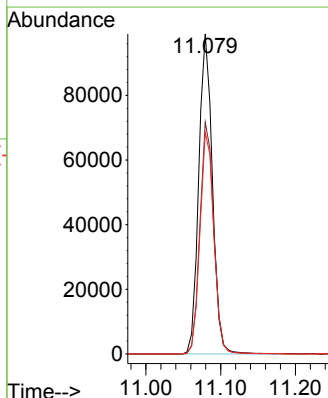
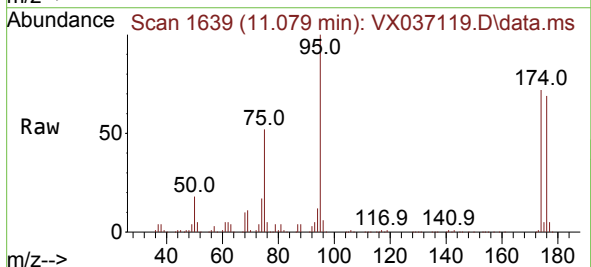
Instrument :
MSVOA_X
ClientSampleId :

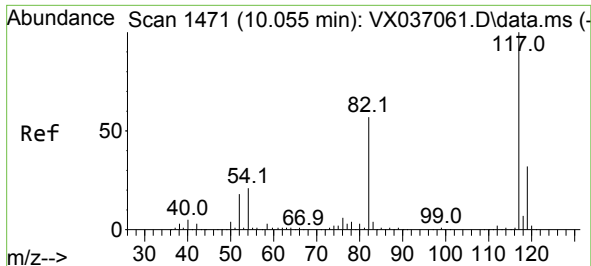
Tgt Ion:129 Resp: 1918
Ion Ratio Lower Upper
129 100
127 0.0 38.8 116.4#



#62
4-Bromofluorobenzene
Concen: 50.393 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037119.D
Acq: 19 Aug 2023 09:09

Tgt Ion: 95 Resp: 125428
Ion Ratio Lower Upper
95 100
174 73.6 0.0 135.6
176 70.5 0.0 131.0

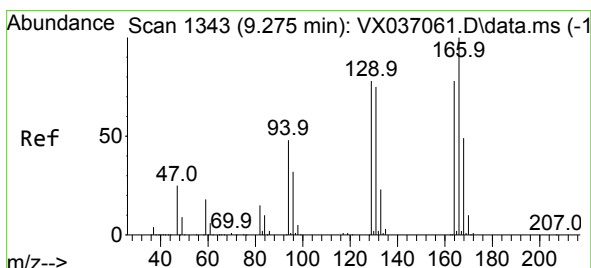
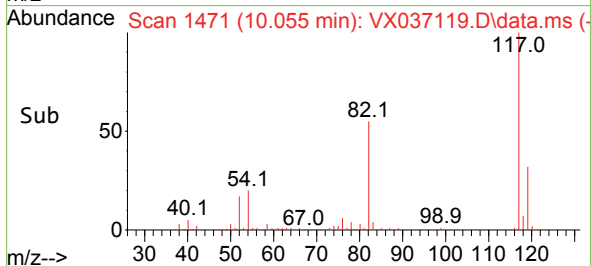
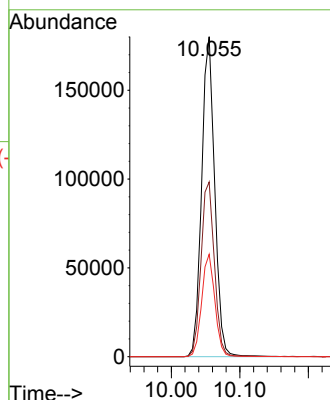
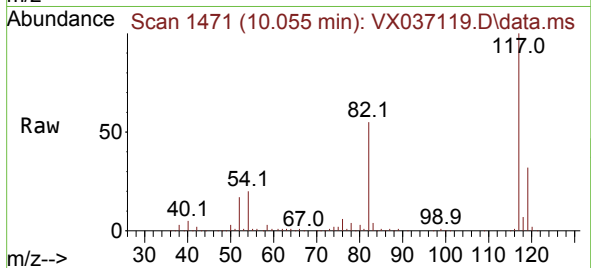




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037119.D
Acq: 19 Aug 2023 09:09

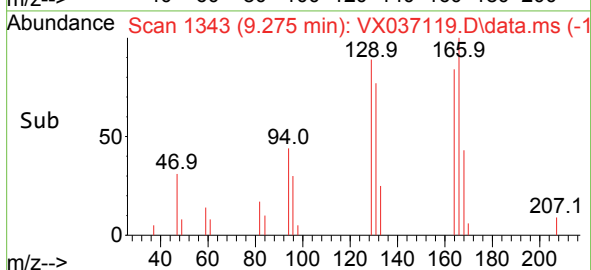
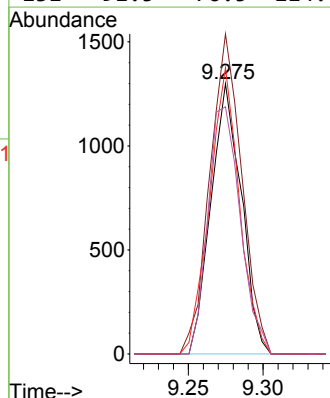
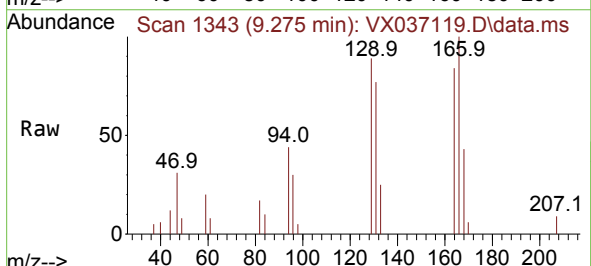
Instrument :
MSVOA_X
ClientSampleId :

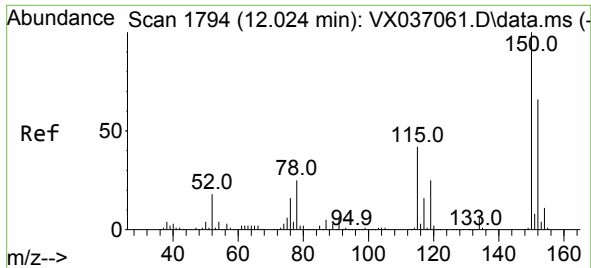
Tgt Ion:117 Resp: 239187
Ion Ratio Lower Upper
117 100
82 54.6 46.2 69.4
119 32.0 25.5 38.3



#64
Tetrachloroethene
Concen: 1.049 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX037119.D
Acq: 19 Aug 2023 09:09

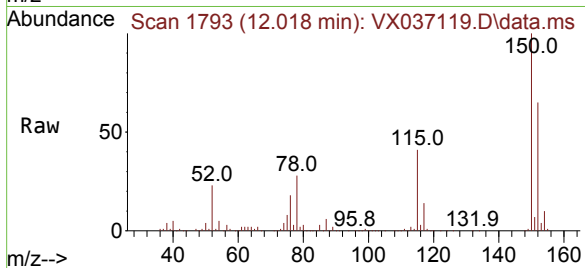
Tgt Ion:164 Resp: 1831
Ion Ratio Lower Upper
164 100
166 118.4 102.7 154.1
129 105.9 80.4 120.6
131 91.5 76.5 114.7



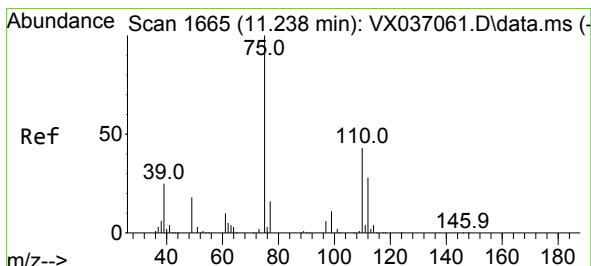
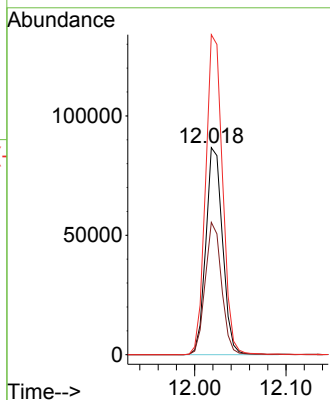
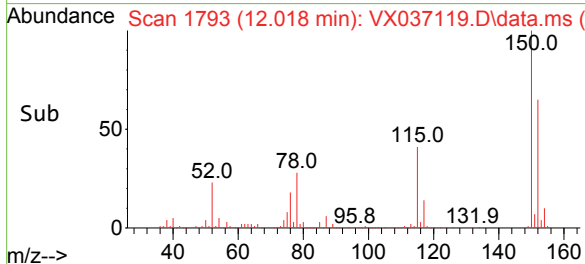


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: VX037119.D
 Acq: 19 Aug 2023 09:09

Instrument :
 MSVOA_X
 ClientSampleId :

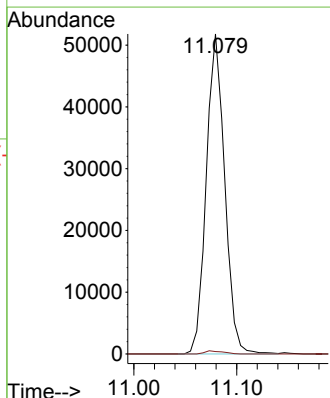
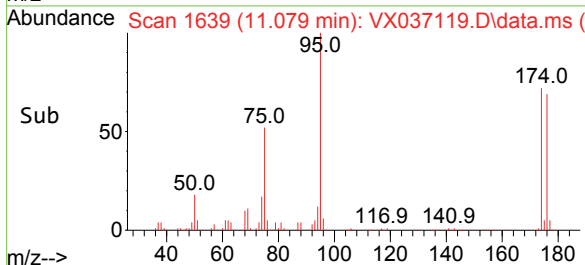
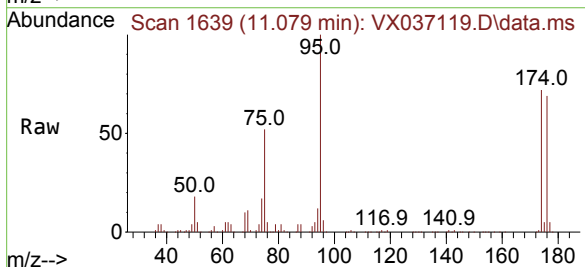


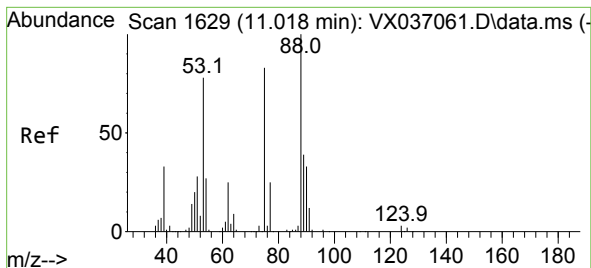
Tgt Ion:152 Resp: 110181
 Ion Ratio Lower Upper
 152 100
 115 62.7 43.3 129.9
 150 157.0 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 27.490 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX037119.D
 Acq: 19 Aug 2023 09:09

Tgt Ion: 75 Resp: 64506
 Ion Ratio Lower Upper
 75 100
 77 1.0 19.1 57.5#

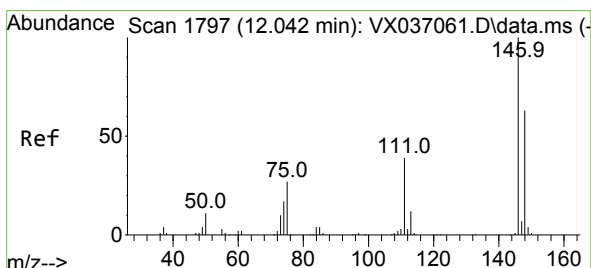
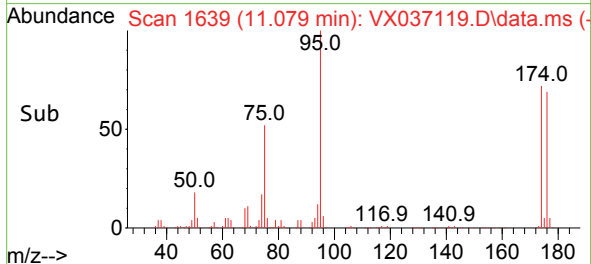
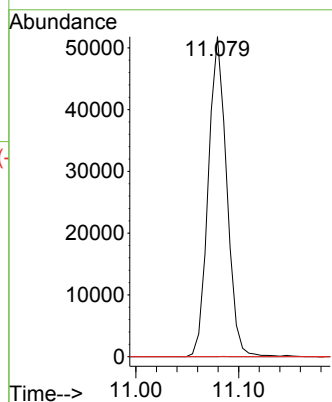
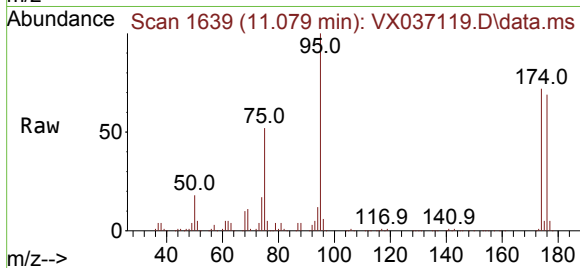




#81
trans-1,4-Dichloro-2-butene
Concen: 76.782 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037119.D
Acq: 19 Aug 2023 09:09

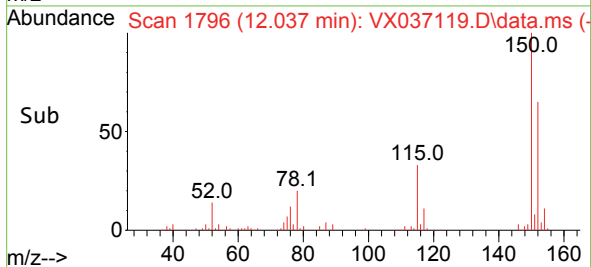
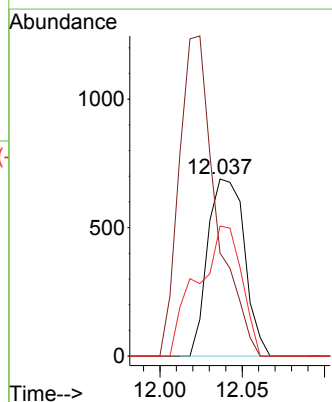
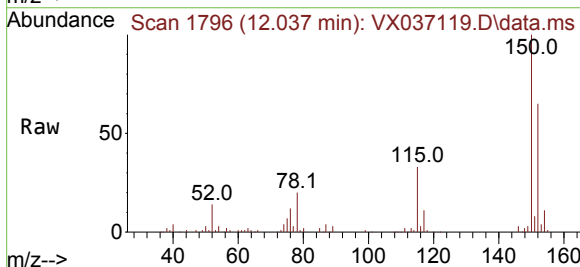
Instrument :
MSVOA_X
ClientSampleId :

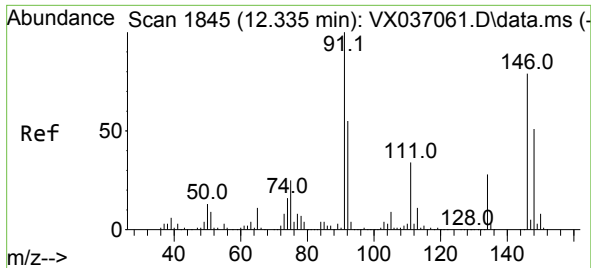
Tgt Ion: 75 Resp: 64506
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#88
1,4-Dichlorobenzene
Concen: 0.282 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. -0.006 min
Lab File: VX037119.D
Acq: 19 Aug 2023 09:09

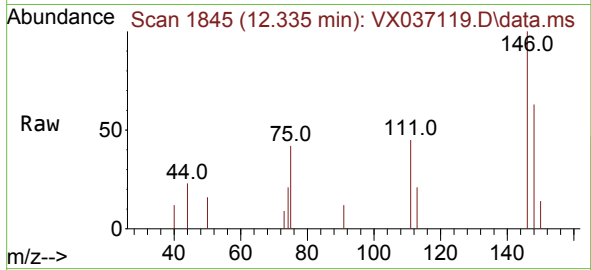
Tgt Ion: 146 Resp: 1068
Ion Ratio Lower Upper
146 100
111 181.9 21.3 63.7#
148 88.9 31.8 95.4





#91
 1,2-Dichlorobenzene
 Concen: 0.280 ug/l
 RT: 12.335 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX037119.D
 Acq: 19 Aug 2023 09:09

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:146 Resp: 1005

Ion	Ratio	Lower	Upper
146	100		
111	40.3	22.4	67.0
148	53.8	31.6	95.0

