

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX122823\
 Data File : VX039504.D
 Acq On : 28 Dec 2023 10:31
 Operator : JC/MD
 Sample : VX1228MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1228MBL01

Quant Time: Dec 28 22:45:24 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 14 01:28:15 2023
 Response via : Initial Calibration

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

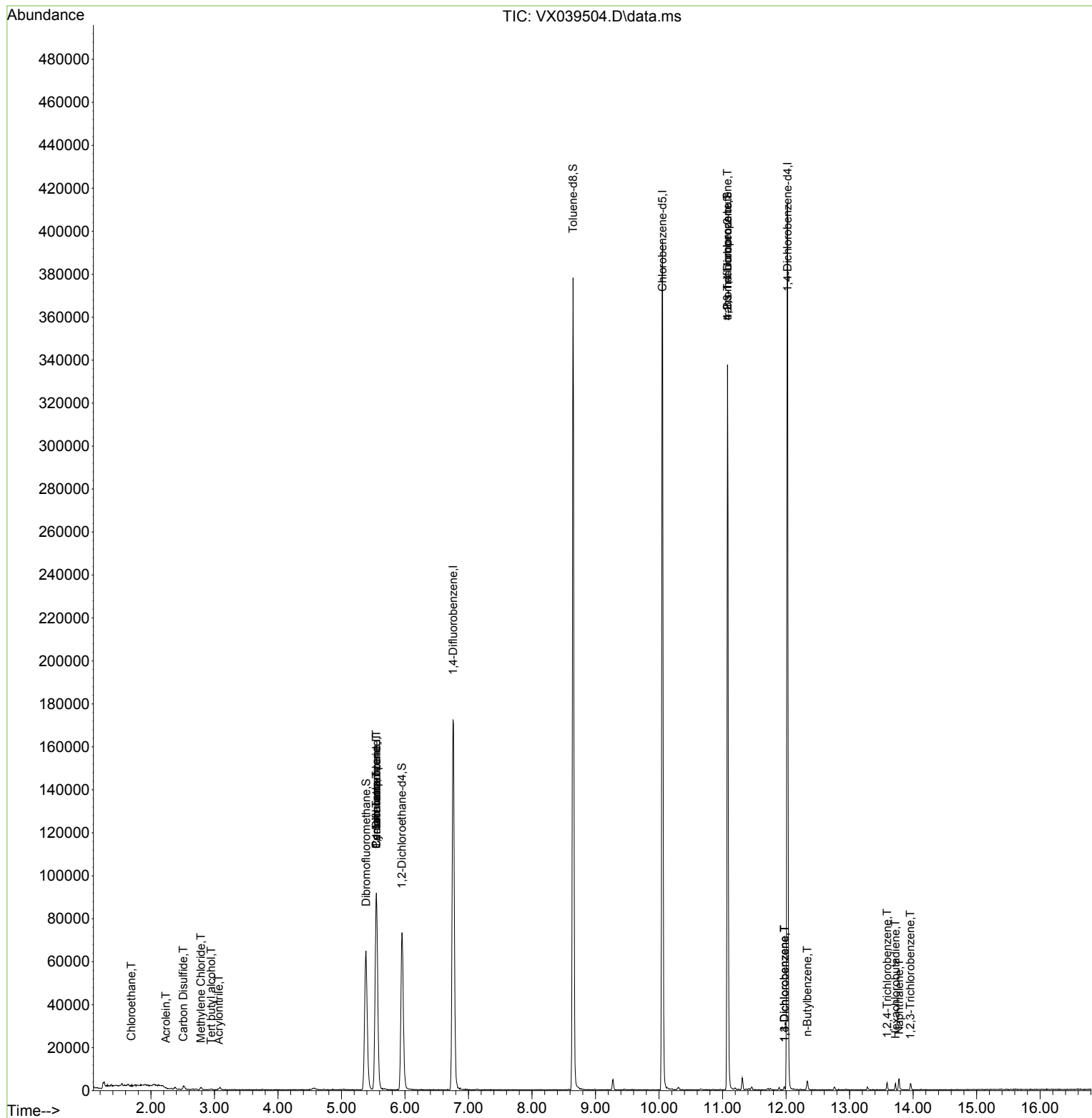
Internal Standards						
1) Pentafluorobenzene	5.550	168	79015	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	167720	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	172071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	80125	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	70522	48.720	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	97.440%		
35) Dibromofluoromethane	5.385	113	56565	48.818	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.640%		
50) Toluene-d8	8.647	98	216318	50.287	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	100.580%		
62) 4-Bromofluorobenzene	11.079	95	88888	50.082	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	100.160%		
Target Compounds						Qvalue
6) Chloroethane	1.691	64	153	0.222	ug/l #	43
11) Tert butyl alcohol	2.947	59	358	0.985	ug/l #	78
13) Acrolein	2.233	56	234	0.807	ug/l #	32
15) Acrylonitrile	3.069	53	248	0.341	ug/l #	1
16) Acetone	2.380	43	1209	Below Cal		90
17) Carbon Disulfide	2.508	76	1695	0.570	ug/l #	95
20) Methylene Chloride	2.788	84	536	0.444	ug/l #	83
31) Cyclohexane	5.550	56	2258	1.208	ug/l #	8
36) 1,1-Dichloropropene	5.550	75	7763	4.246	ug/l #	50
38) Carbon Tetrachloride	5.550	117	9156	5.247	ug/l #	13
76) 1,2,3-Trichloropropane	11.079	75	49822	24.034	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	49822	67.800	ug/l #	5
87) 1,3-Dichlorobenzene	11.975	146	678	0.252	ug/l	85
88) 1,4-Dichlorobenzene	11.975	146	678	0.242	ug/l	86
89) n-Butylbenzene	12.335	91	1492	0.284	ug/l	95
93) 1,2,4-Trichlorobenzene	13.591	180	885	0.526	ug/l	93
94) Hexachlorobutadiene	13.725	225	452	0.713	ug/l	87
95) Naphthalene	13.780	128	3676	0.627	ug/l #	94
96) 1,2,3-Trichlorobenzene	13.957	180	681	0.419	ug/l	70

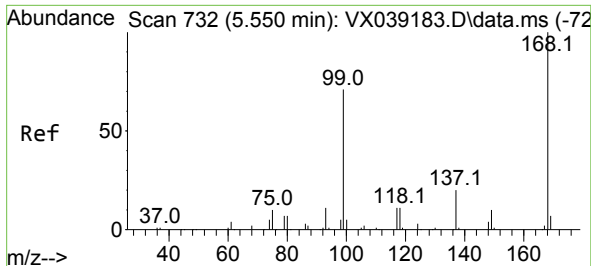
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBL01

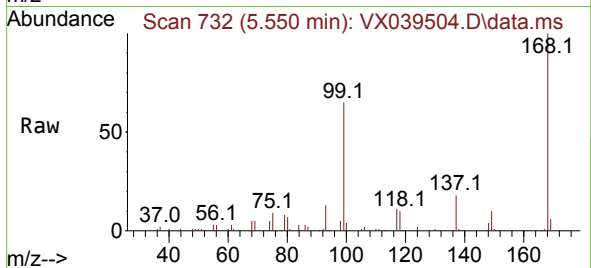
Quant Time: Dec 28 22:45:24 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121323W.M
Quant Title : SW846 8260
QLast Update : Thu Dec 14 01:28:15 2023
Response via : Initial Calibration



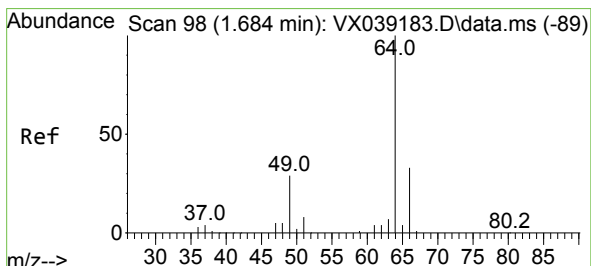
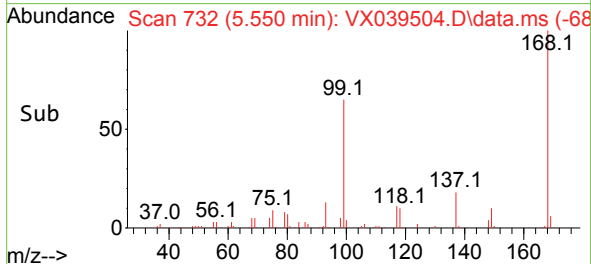
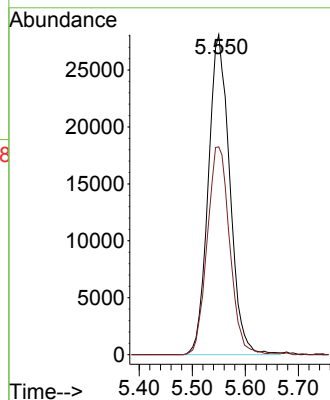


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039504.D
Acq: 28 Dec 2023 10:31

Instrument :
MSVOA_X
ClientSampleId :
VX1228MBL01

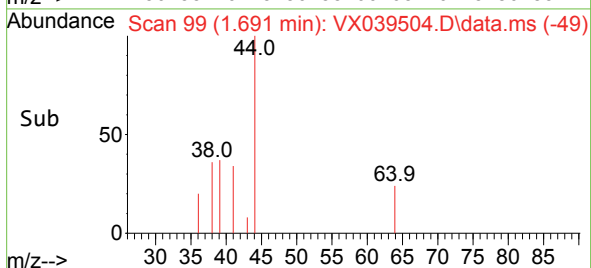
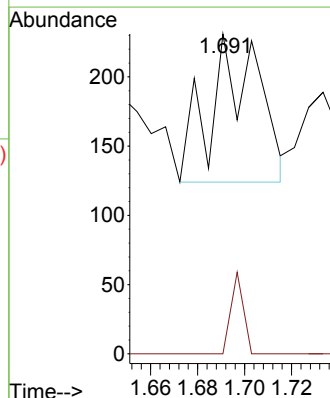
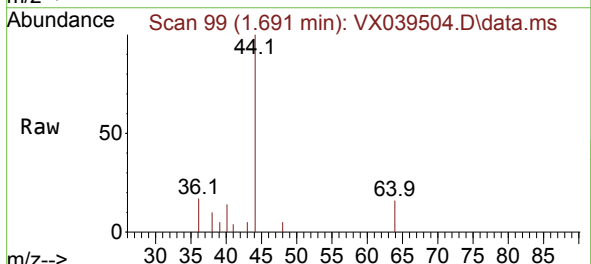


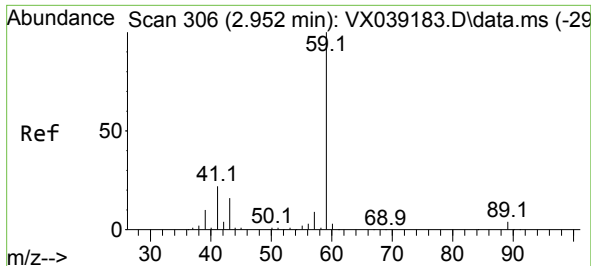
Tgt Ion:168 Resp: 79015
Ion Ratio Lower Upper
168 100
99 64.9 56.6 85.0



#6
Chloroethane
Concen: 0.222 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX039504.D
Acq: 28 Dec 2023 10:31

Tgt Ion: 64 Resp: 153
Ion Ratio Lower Upper
64 100
66 0.0 25.1 37.7#

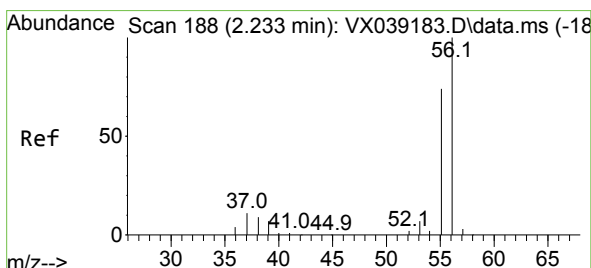
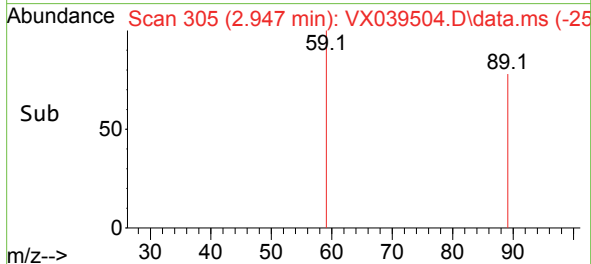
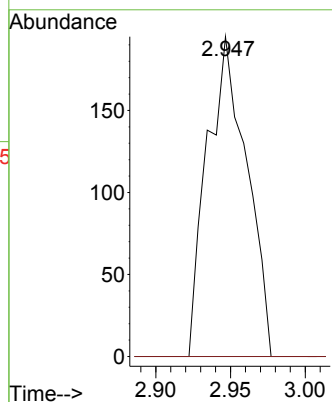
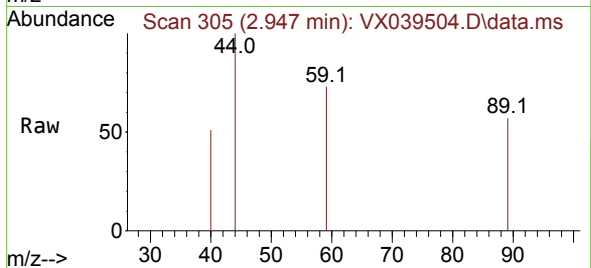




#11
Tert butyl alcohol
Concen: 0.985 ug/l
RT: 2.947 min Scan# 306
Delta R.T. -0.006 min
Lab File: VX039504.D
Acq: 28 Dec 2023 10:31

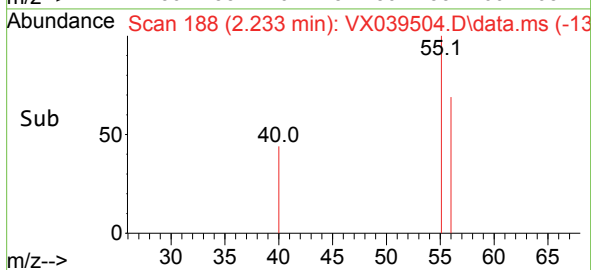
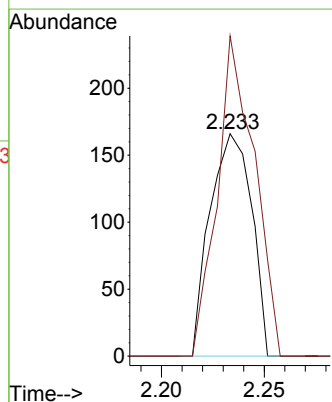
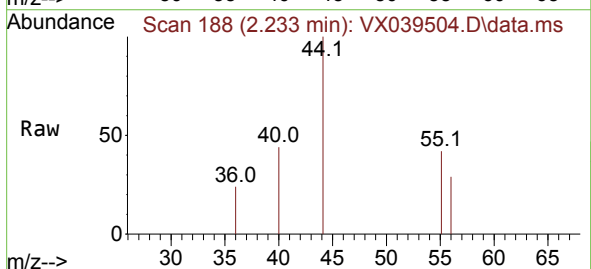
Instrument :
MSVOA_X
ClientSampleId :
VX1228MBL01

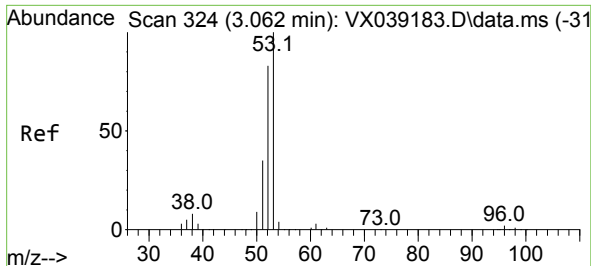
Tgt Ion: 59 Resp: 358
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 0.807 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX039504.D
Acq: 28 Dec 2023 10:31

Tgt Ion: 56 Resp: 234
Ion Ratio Lower Upper
56 100
55 128.2 57.1 85.7#

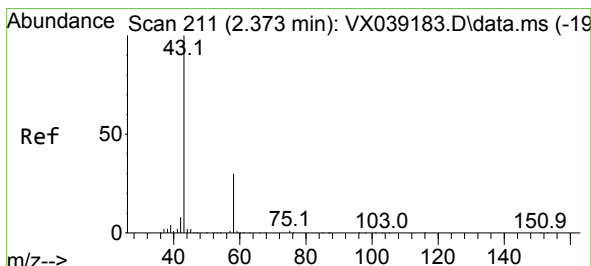
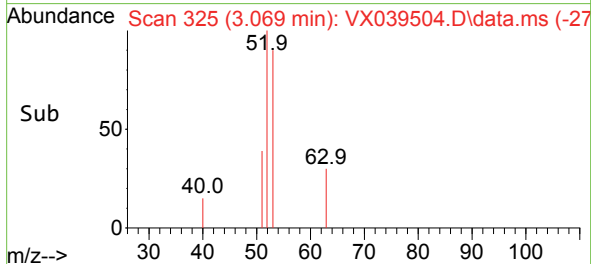
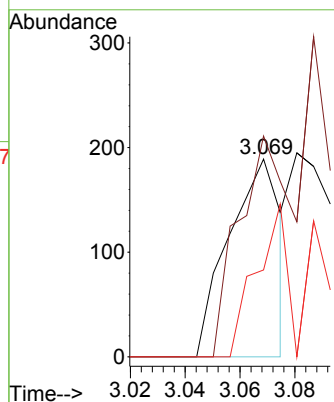
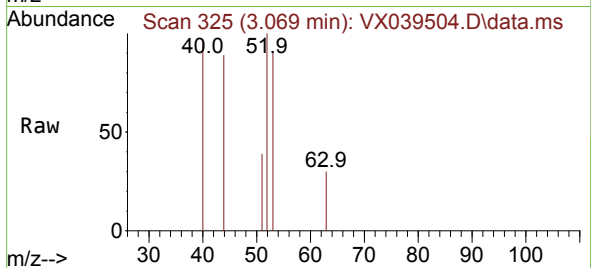




#15
Acrylonitrile
Concen: 0.341 ug/l
RT: 3.069 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX039504.D
Acq: 28 Dec 2023 10:31

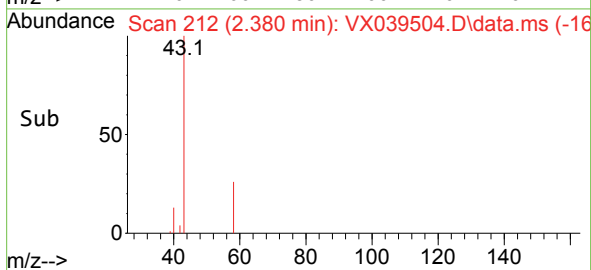
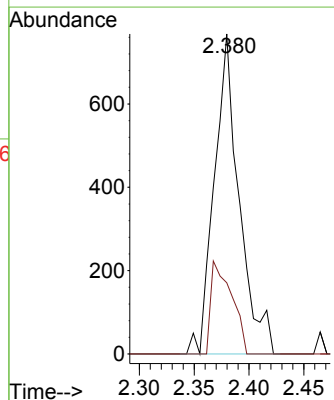
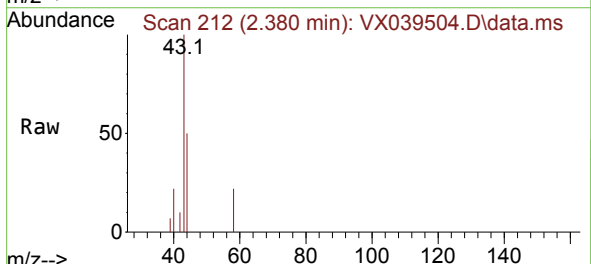
Instrument :
MSVOA_X
ClientSampleId :
VX1228MBL01

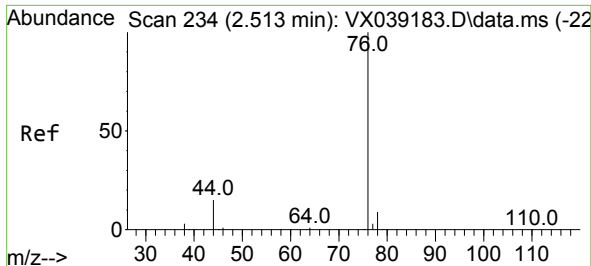
Tgt Ion: 53 Resp: 248
Ion Ratio Lower Upper
53 100
52 218.1 66.0 99.0#
51 45.2 29.8 44.6#



#16
Acetone
Concen: Below Cal
RT: 2.380 min Scan# 212
Delta R.T. 0.007 min
Lab File: VX039504.D
Acq: 28 Dec 2023 10:31

Tgt Ion: 43 Resp: 1209
Ion Ratio Lower Upper
43 100
58 22.3 21.9 32.9

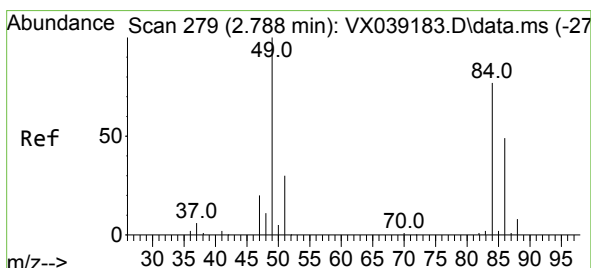
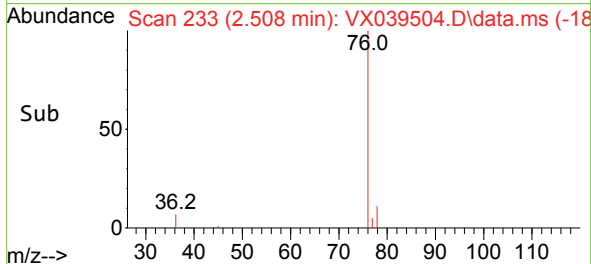
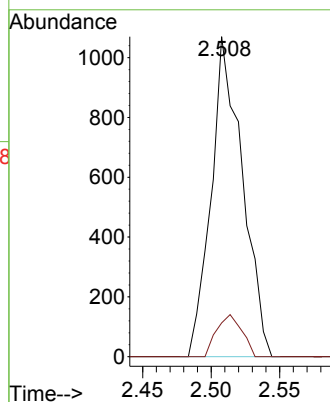
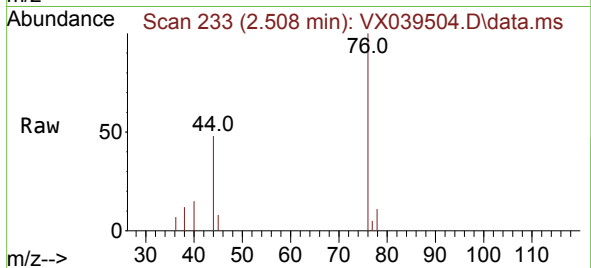




#17
Carbon Disulfide
Concen: 0.570 ug/l
RT: 2.508 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX039504.D
Acq: 28 Dec 2023 10:31

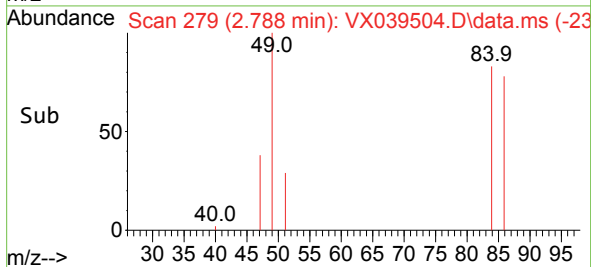
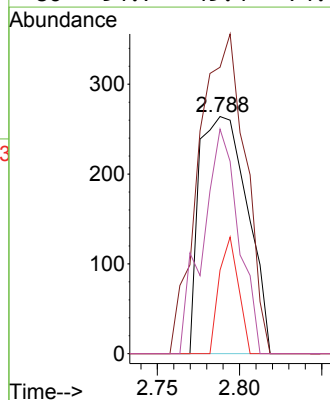
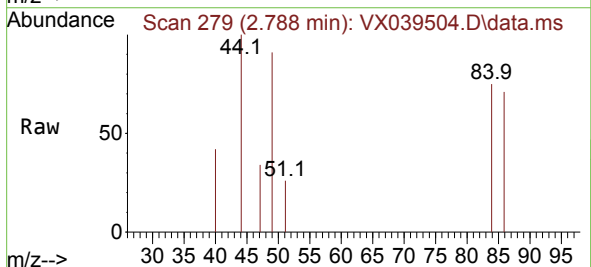
Instrument :
MSVOA_X
ClientSampleId :
VX1228MBL01

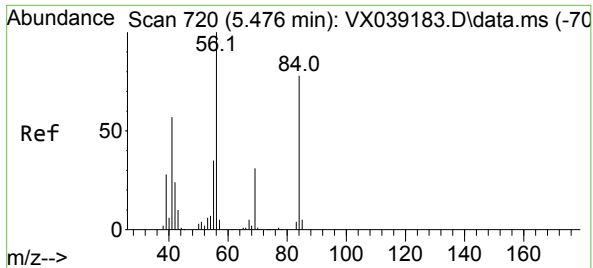
Tgt Ion: 76 Resp: 1695
Ion Ratio Lower Upper
76 100
78 10.6 7.0 10.6#



#20
Methylene Chloride
Concen: 0.444 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX039504.D
Acq: 28 Dec 2023 10:31

Tgt Ion: 84 Resp: 536
Ion Ratio Lower Upper
84 100
49 120.8 103.6 155.4
51 35.2 33.8 50.6
86 94.7 49.4 74.0#

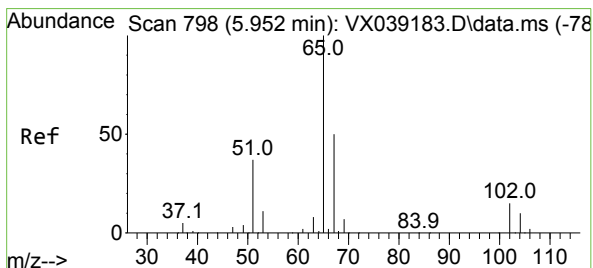
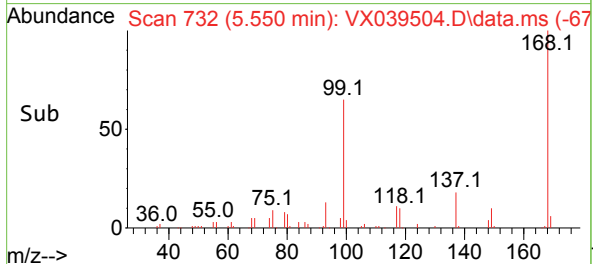
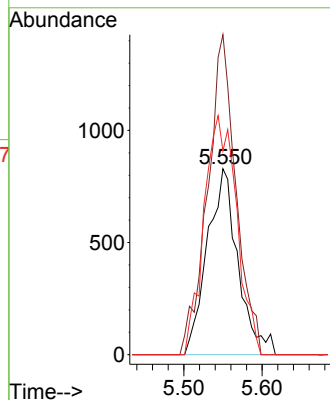
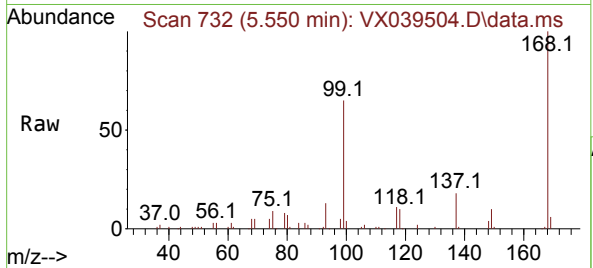




#31
Cyclohexane
Concen: 1.208 ug/l
RT: 5.550 min Scan# 712
Delta R.T. 0.073 min
Lab File: VX039504.D
Acq: 28 Dec 2023 10:31

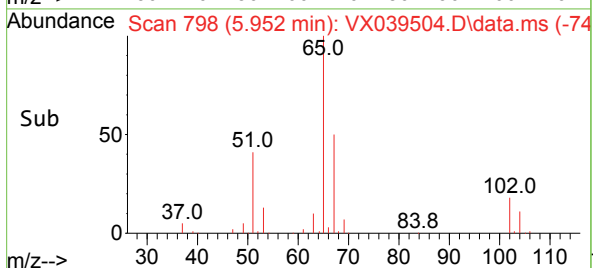
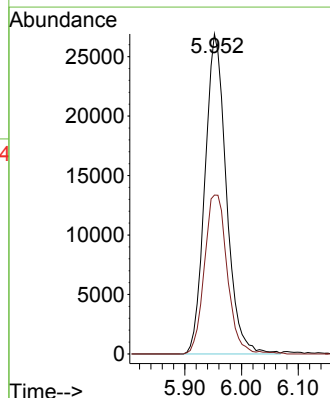
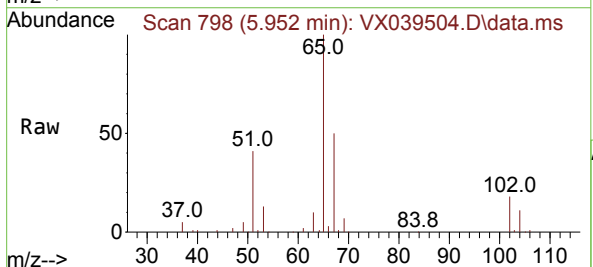
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ClientSampleId :
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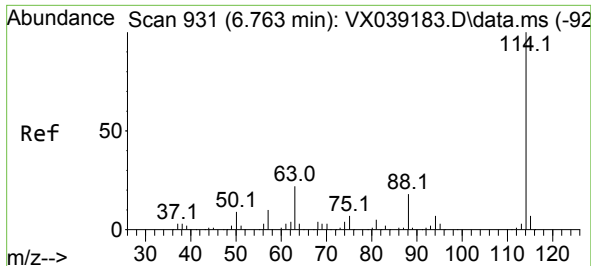
Tgt Ion: 56 Resp: 2258
Ion Ratio Lower Upper
56 100
69 172.1 23.4 35.2#
84 109.5 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 48.720 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039504.D
Acq: 28 Dec 2023 10:31

Tgt Ion: 65 Resp: 70522
Ion Ratio Lower Upper
65 100
67 53.3 0.0 100.2

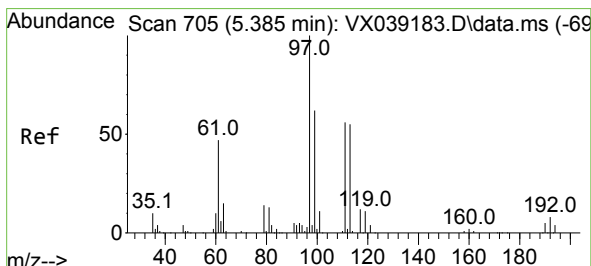
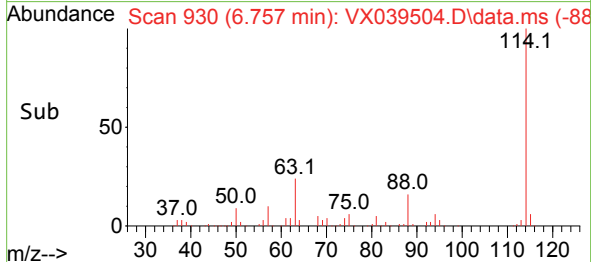
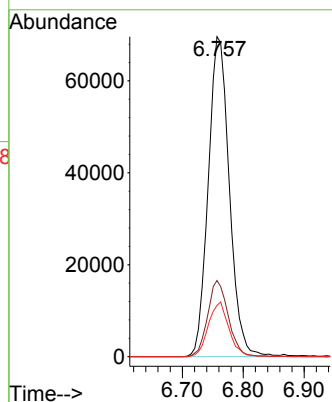
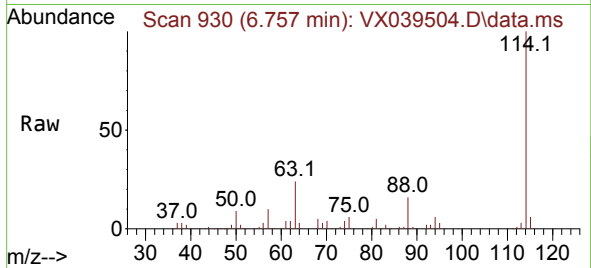




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX039504.D
Acq: 28 Dec 2023 10:31

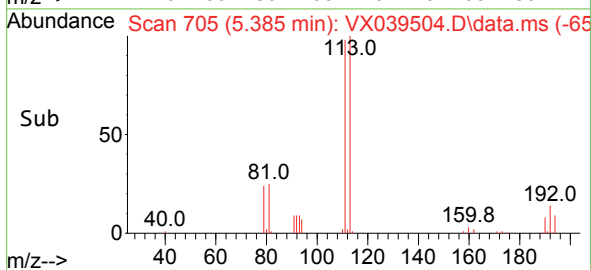
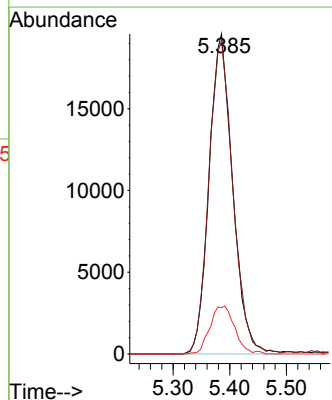
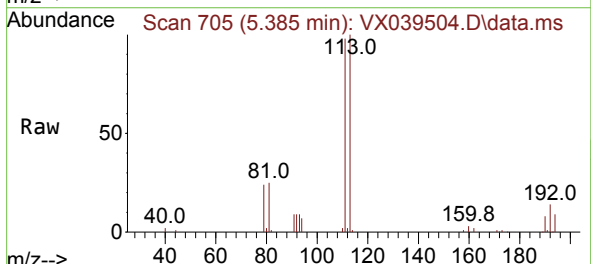
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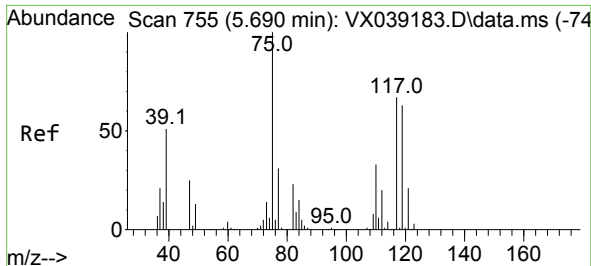
Tgt Ion:114 Resp: 167720
Ion Ratio Lower Upper
114 100
63 23.8 0.0 45.0
88 16.1 0.0 36.6



#35
Dibromofluoromethane
Concen: 48.818 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039504.D
Acq: 28 Dec 2023 10:31

Tgt Ion:113 Resp: 56565
Ion Ratio Lower Upper
113 100
111 99.8 82.9 124.3
192 15.8 13.3 19.9

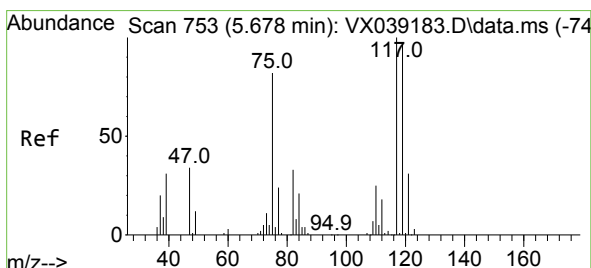
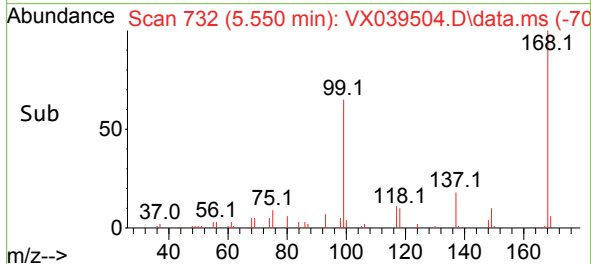
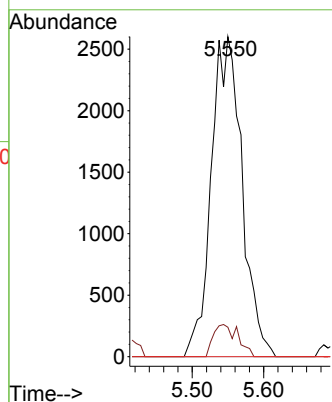
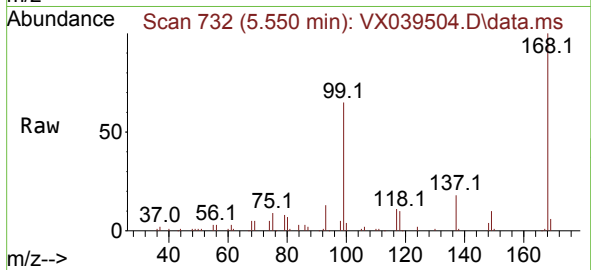




#36
1,1-Dichloropropene
Concen: 4.246 ug/l
RT: 5.550 min Scan# 712
Delta R.T. -0.140 min
Lab File: VX039504.D
Acq: 28 Dec 2023 10:31

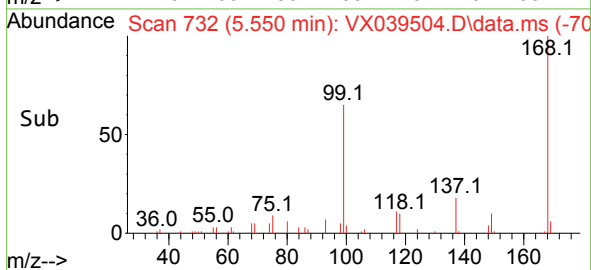
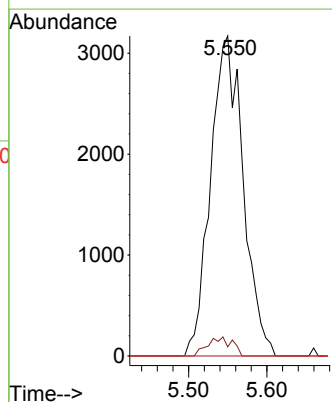
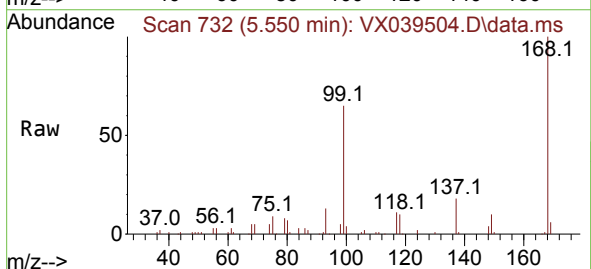
Instrument :
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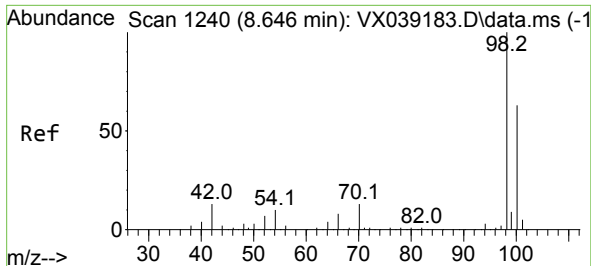
Tgt Ion: 75 Resp: 7763
Ion Ratio Lower Upper
75 100
110 8.1 17.0 50.9#
77 0.0 24.7 37.1#



#38
Carbon Tetrachloride
Concen: 5.247 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.128 min
Lab File: VX039504.D
Acq: 28 Dec 2023 10:31

Tgt Ion: 117 Resp: 9156
Ion Ratio Lower Upper
117 100
119 2.8 78.2 117.2#
121 0.0 24.4 36.6#

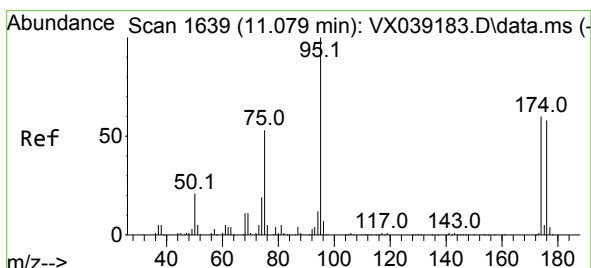
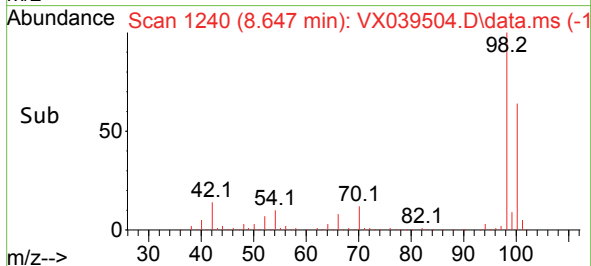
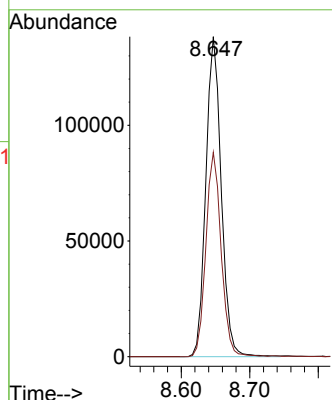
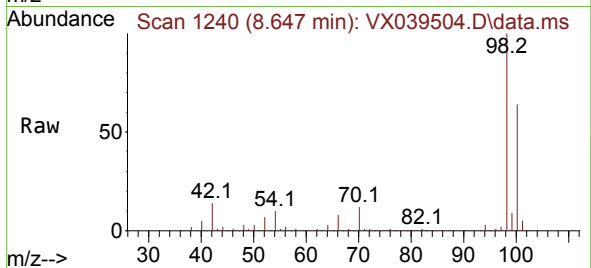




#50
Toluene-d8
Concen: 50.287 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039504.D
Acq: 28 Dec 2023 10:31

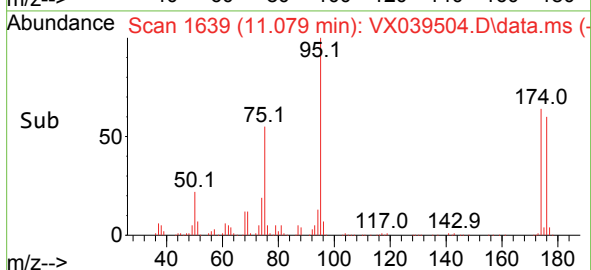
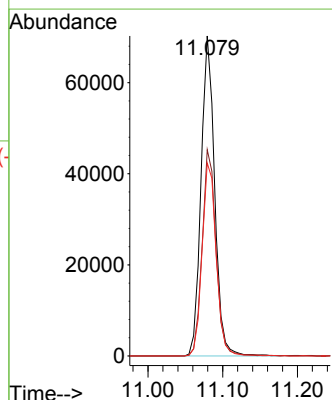
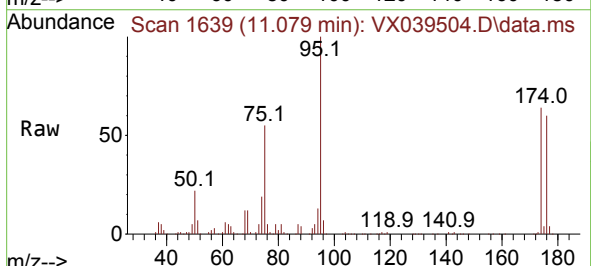
Instrument :
MSVOA_X
ClientSampleId :
VX1228MBL01

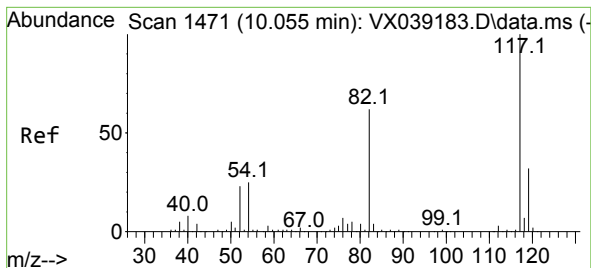
Tgt Ion: 98 Resp: 216318
Ion Ratio Lower Upper
98 100
100 63.3 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 50.082 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039504.D
Acq: 28 Dec 2023 10:31

Tgt Ion: 95 Resp: 88888
Ion Ratio Lower Upper
95 100
174 65.1 0.0 135.6
176 62.5 0.0 131.0

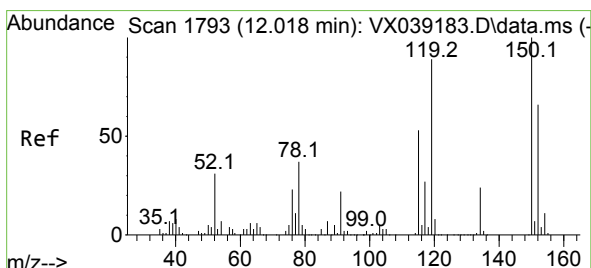
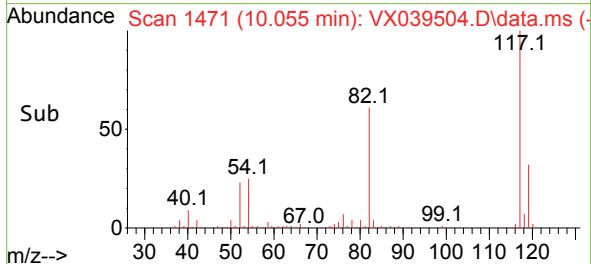
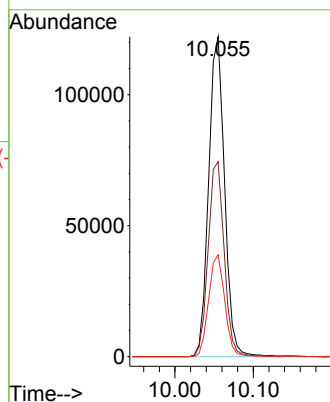
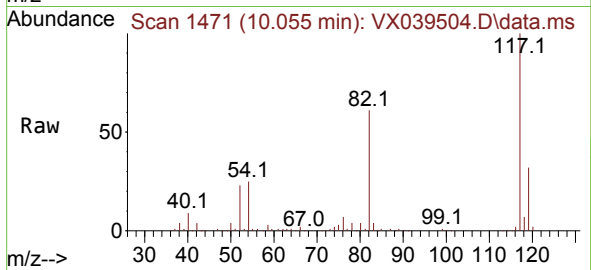




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039504.D
Acq: 28 Dec 2023 10:31

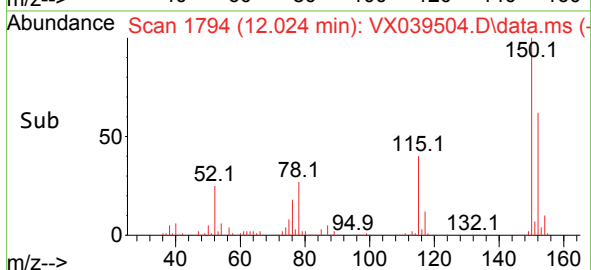
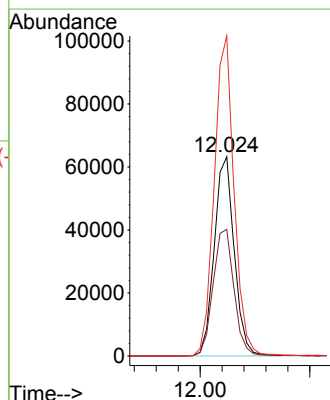
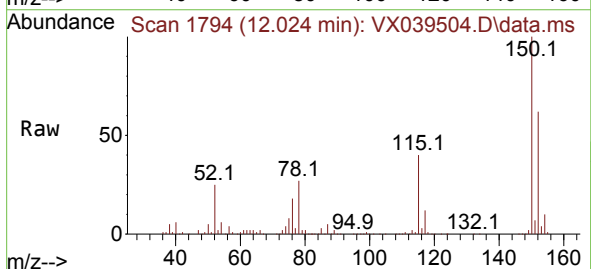
Instrument :
MSVOA_X
ClientSampleId :
VX1228MBL01

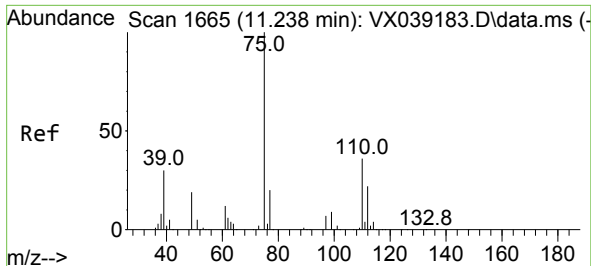
Tgt Ion:117 Resp: 172071
Ion Ratio Lower Upper
117 100
82 61.0 46.2 69.4
119 31.9 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX039504.D
Acq: 28 Dec 2023 10:31

Tgt Ion:152 Resp: 80125
Ion Ratio Lower Upper
152 100
115 66.5 43.3 129.9
150 159.5 0.0 345.0

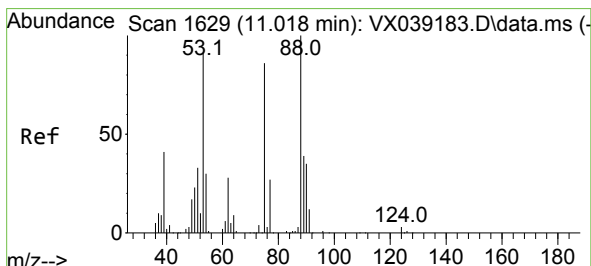
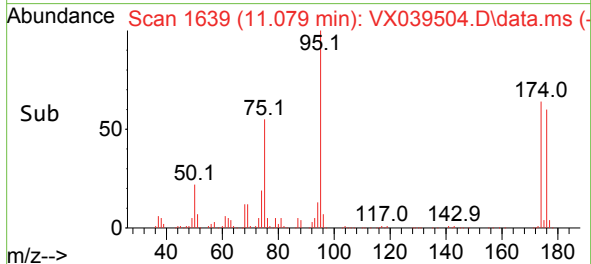
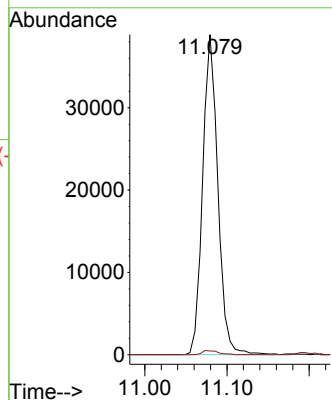
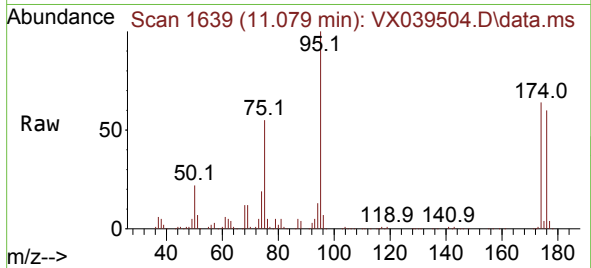




#76
1,2,3-Trichloropropane
Concen: 24.034 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX039504.D
Acq: 28 Dec 2023 10:31

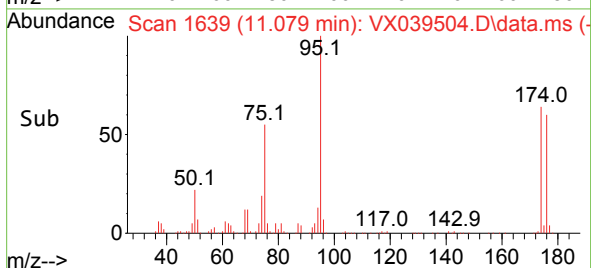
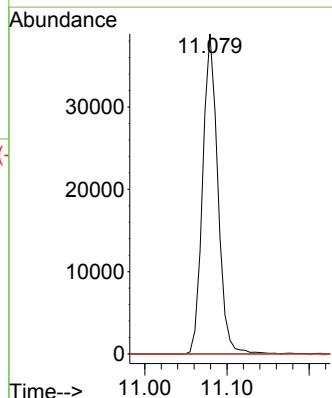
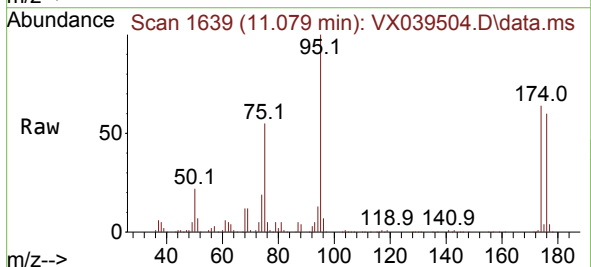
Instrument :
MSVOA_X
ClientSampleId :
VX1228MBL01

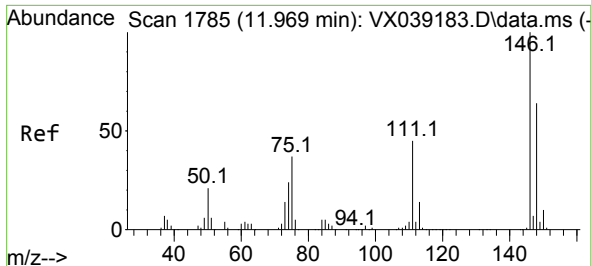
Tgt Ion: 75 Resp: 49822
Ion Ratio Lower Upper
75 100
77 1.4 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 67.800 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX039504.D
Acq: 28 Dec 2023 10:31

Tgt Ion: 75 Resp: 49822
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#





#87

1,3-Dichlorobenzene

Concen: 0.252 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX039504.D

Acq: 28 Dec 2023 10:31

Instrument :

MSVOA_X

ClientSampleId :

VX1228MBL01

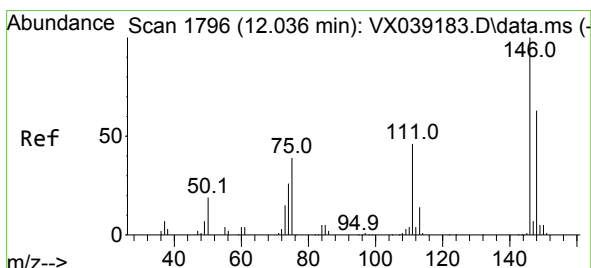
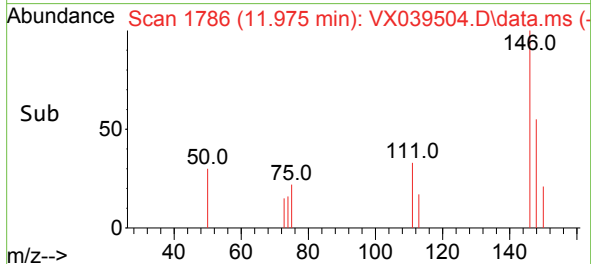
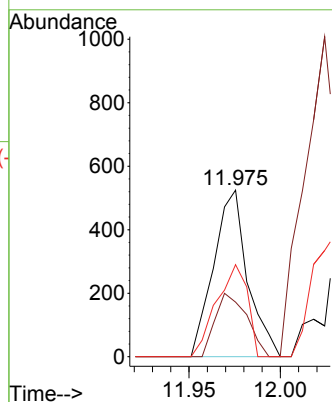
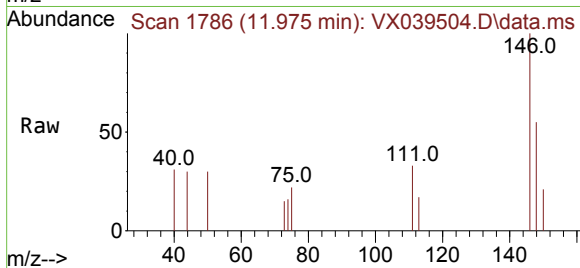
Tgt Ion:146 Resp: 678

Ion Ratio Lower Upper

146 100

111 35.5 22.1 66.1

148 50.4 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.242 ug/l

RT: 11.975 min Scan# 1786

Delta R.T. -0.061 min

Lab File: VX039504.D

Acq: 28 Dec 2023 10:31

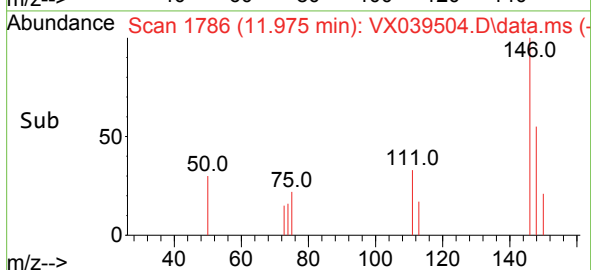
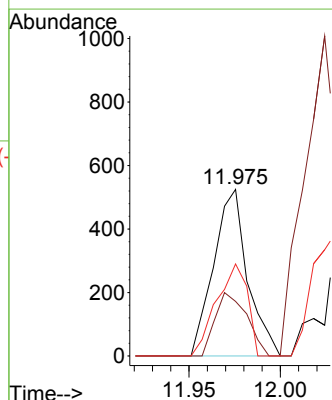
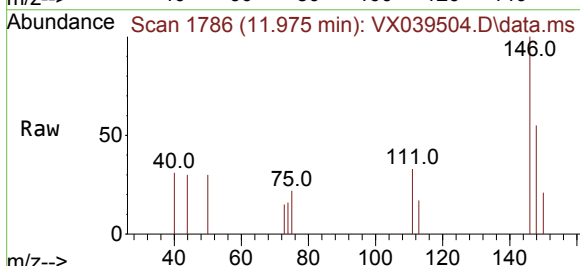
Tgt Ion:146 Resp: 678

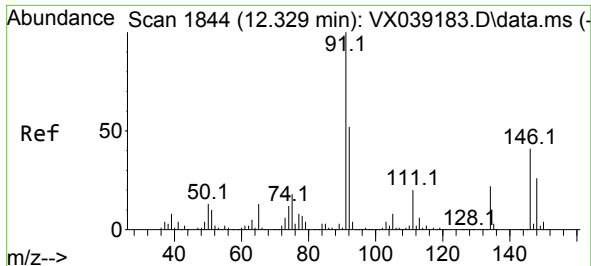
Ion Ratio Lower Upper

146 100

111 35.5 21.3 63.7

148 50.4 31.8 95.4





#89

n-Butylbenzene

Concen: 0.284 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. 0.006 min

Lab File: VX039504.D

Acq: 28 Dec 2023 10:31

Instrument :

MSVOA_X

ClientSampleId :

VX1228MBL01

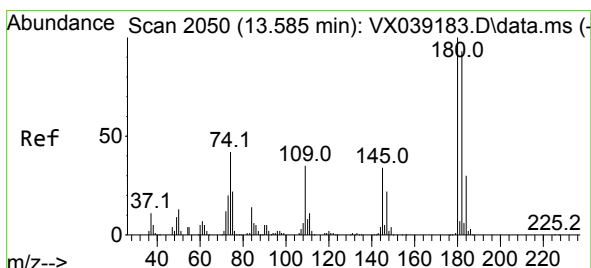
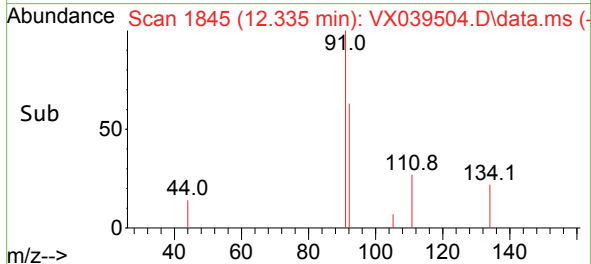
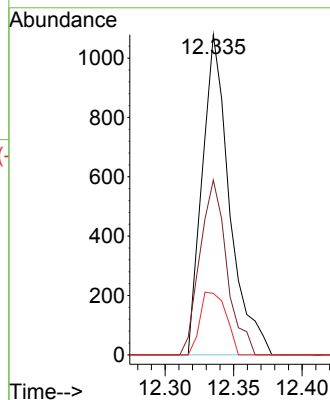
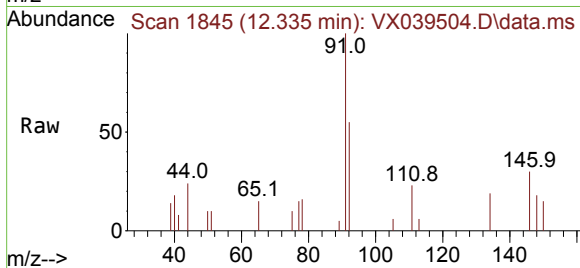
Tgt Ion: 91 Resp: 1492

Ion Ratio Lower Upper

91 100

92 53.8 27.4 82.0

134 18.6 12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.526 ug/l

RT: 13.591 min Scan# 2051

Delta R.T. 0.006 min

Lab File: VX039504.D

Acq: 28 Dec 2023 10:31

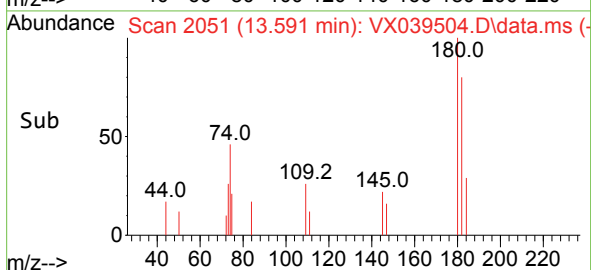
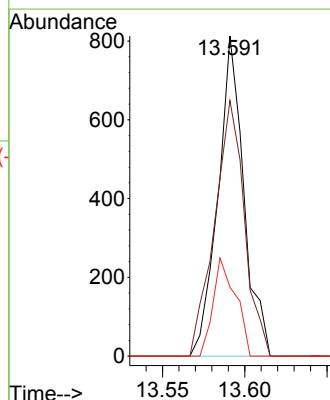
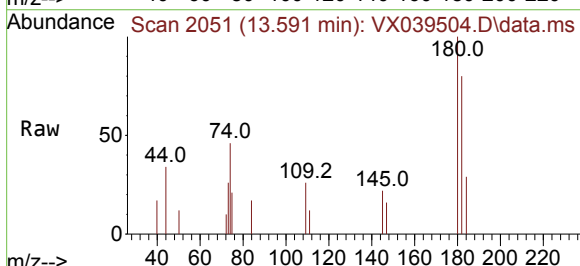
Tgt Ion: 180 Resp: 885

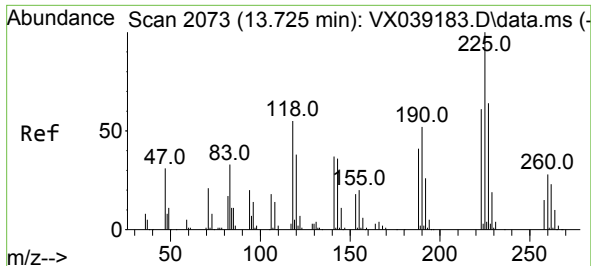
Ion Ratio Lower Upper

180 100

182 92.3 48.3 144.8

145 26.8 18.0 54.0

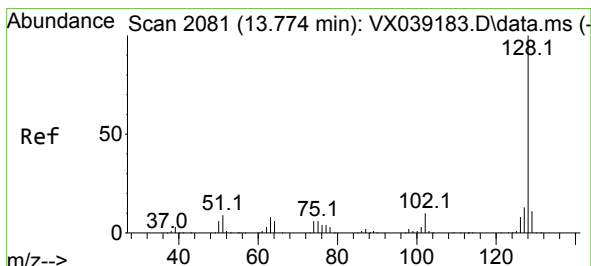
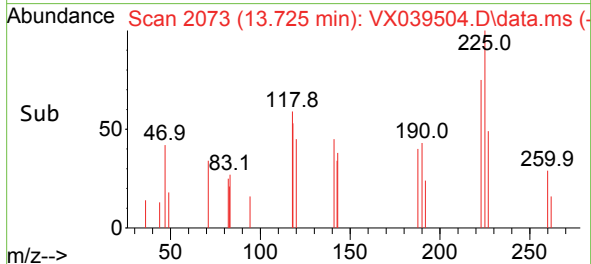
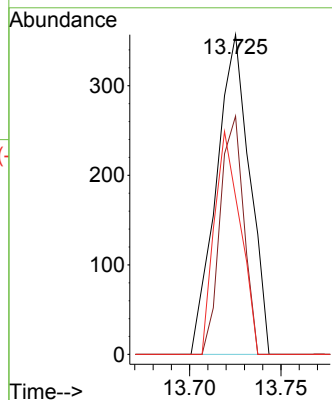
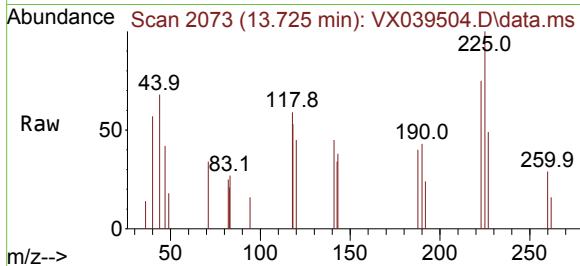




#94
Hexachlorobutadiene
Concen: 0.713 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX039504.D
Acq: 28 Dec 2023 10:31

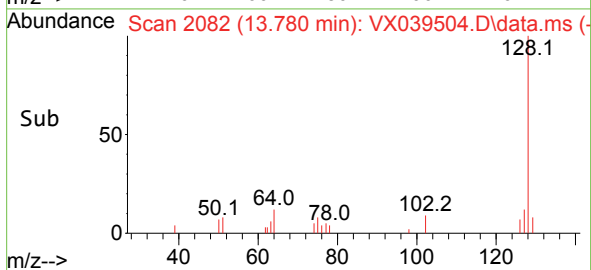
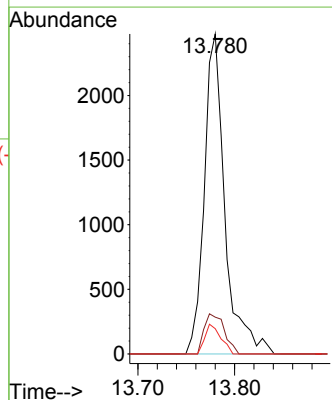
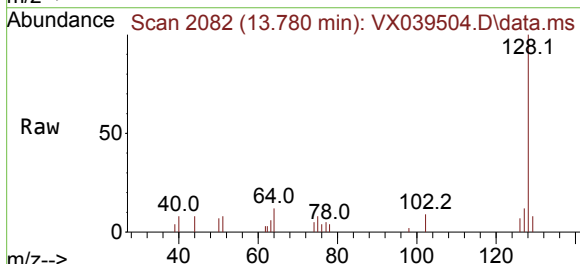
Instrument :
MSVOA_X
ClientSampleId :
VX1228MBL01

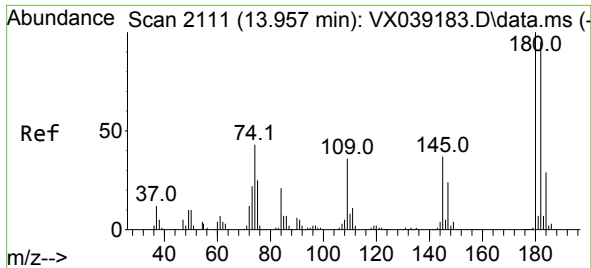
Tgt Ion:225 Resp: 452
Ion Ratio Lower Upper
225 100
223 52.9 31.1 93.2
227 54.0 32.5 97.5



#95
Naphthalene
Concen: 0.627 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX039504.D
Acq: 28 Dec 2023 10:31

Tgt Ion:128 Resp: 3676
Ion Ratio Lower Upper
128 100
127 12.3 10.3 15.5
129 7.1 8.8 13.2#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.419 ug/l
 RT: 13.957 min Scan# 2111
 Delta R.T. 0.000 min
 Lab File: VX039504.D
 Acq: 28 Dec 2023 10:31

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1228MBL01

Tgt Ion:180 Resp: 681
 Ion Ratio Lower Upper
 180 100
 182 122.5 46.9 140.6
 145 52.9 17.8 53.5

