

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112223\
 Data File : VX039000.D
 Acq On : 22 Nov 2023 14:09
 Operator : JC/MD
 Sample : VX1122WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1122WBL01

Quant Time: Nov 23 01:32:02 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 16 22:59:22 2023
 Response via : Initial Calibration

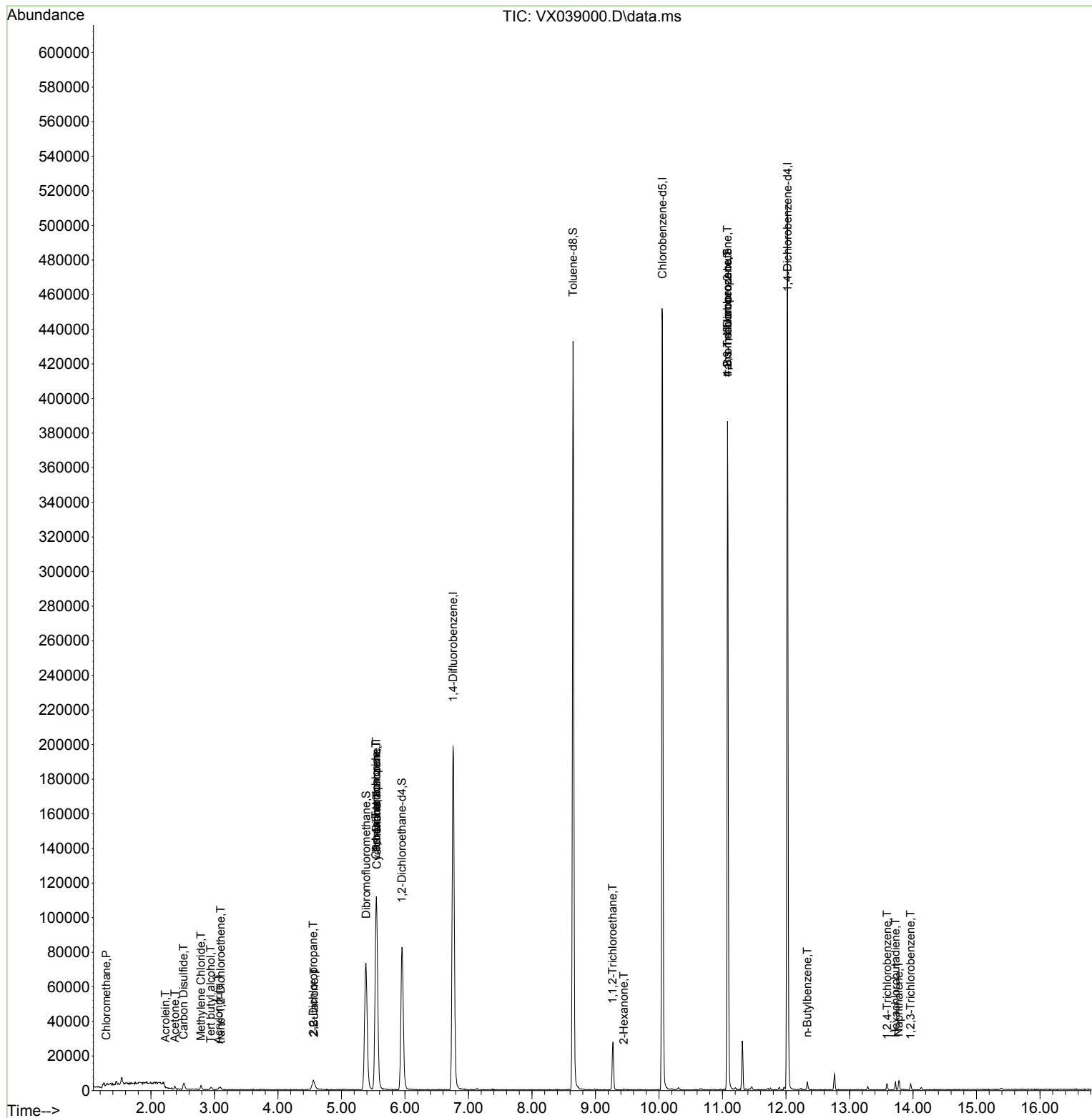
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	99150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	200215	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	206042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102568	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	78551	49.167	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.340%
35) Dibromofluoromethane	5.385	113	64780	44.799	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	89.600%
50) Toluene-d8	8.647	98	254308	45.966	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.940%#
62) 4-Bromofluorobenzene	11.079	95	107619	48.593	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.180%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	537	0.356	ug/l	89
11) Tert butyl alcohol	2.941	59	976	2.196	ug/l #	78
13) Acrolein	2.227	56	198	0.842	ug/l #	82
15) Acrylonitrile	3.069	53	970	1.033	ug/l #	82
16) Acetone	2.380	43	1782	2.095	ug/l	90
17) Carbon Disulfide	2.514	76	2506	0.655	ug/l #	83
20) Methylene Chloride	2.788	84	907	0.592	ug/l #	72
21) trans-1,2-Dichloroethene	3.099	96	413	0.303	ug/l #	50
25) 2-Butanone	4.568	43	615	0.446	ug/l #	51
26) 2,2-Dichloropropane	4.556	77	468	0.213	ug/l #	54
31) Cyclohexane	5.556	56	2716	1.191	ug/l #	11
36) 1,1-Dichloropropene	5.550	75	9484	4.576	ug/l #	46
38) Carbon Tetrachloride	5.544	117	11283	5.891	ug/l #	15
55) 1,1,2-Trichloroethane	9.269	97	457	0.288	ug/l #	17
59) 2-Hexanone	9.446	43	518	0.234	ug/l	65
76) 1,2,3-Trichloropropane	11.079	75	57872	22.615	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	57872	50.161	ug/l #	5
89) n-Butylbenzene	12.335	91	1830	0.261	ug/l	96
93) 1,2,4-Trichlorobenzene	13.591	180	1046	0.468	ug/l	98
94) Hexachlorobutadiene	13.725	225	499	0.630	ug/l	96
95) Naphthalene	13.774	128	4186	0.503	ug/l #	95
96) 1,2,3-Trichlorobenzene	13.963	180	874	0.413	ug/l	98

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

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Operator : JC/MD
Sample : VX1122WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

Quant Time: Nov 23 01:32:02 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 16 22:59:22 2023
Response via : Initial Calibration

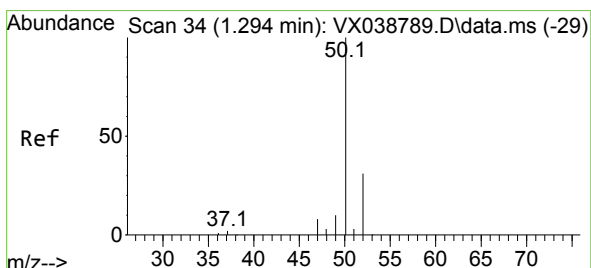
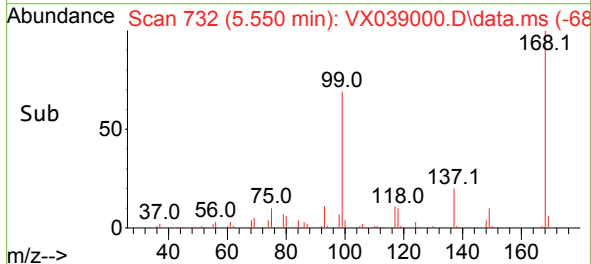
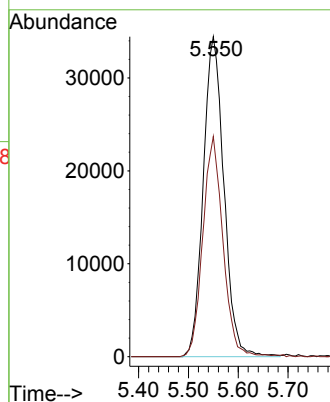
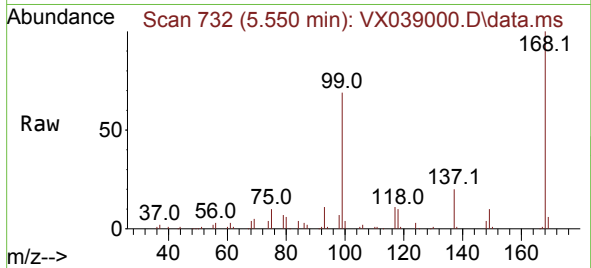




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX039000.D
Acq: 22 Nov 2023 14:09

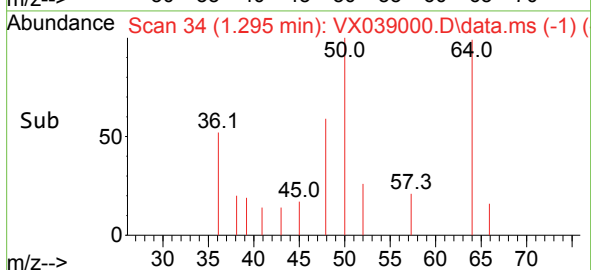
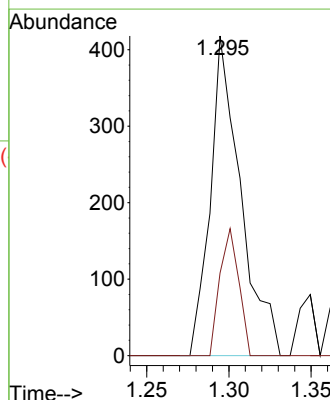
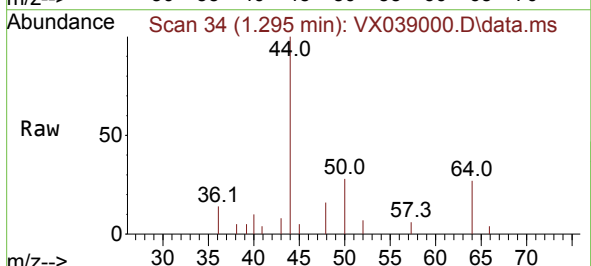
Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

Tgt Ion:168 Resp: 99150
Ion Ratio Lower Upper
168 100
99 68.8 56.6 85.0



#3
Chloromethane
Concen: 0.356 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.001 min
Lab File: VX039000.D
Acq: 22 Nov 2023 14:09

Tgt Ion: 50 Resp: 537
Ion Ratio Lower Upper
50 100
52 25.8 25.5 38.3

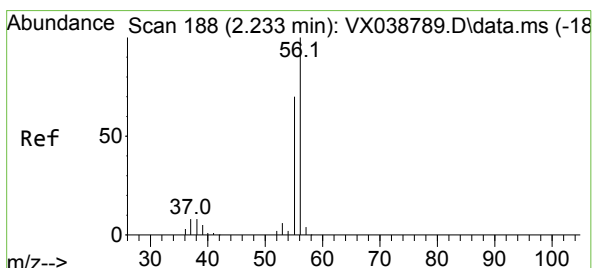
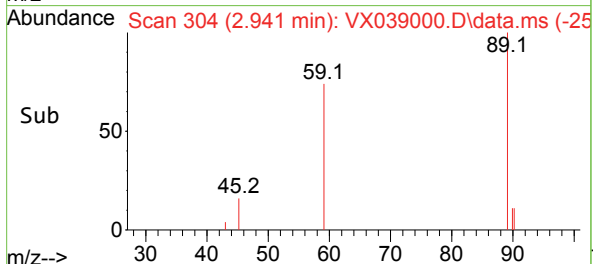
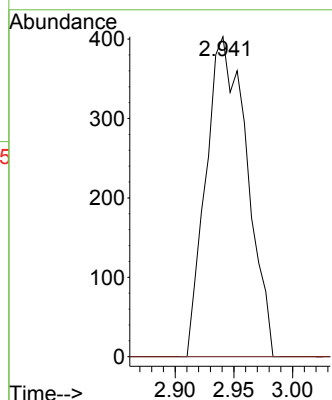
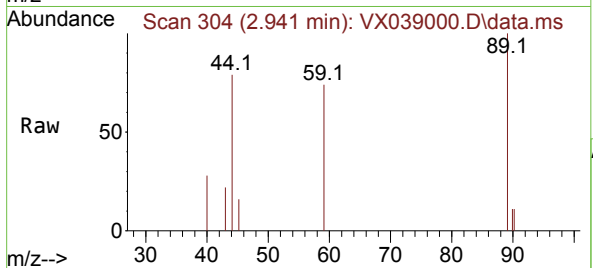




#11
Tert butyl alcohol
Concen: 2.196 ug/l
RT: 2.941 min Scan# 306
Delta R.T. -0.012 min
Lab File: VX039000.D
Acq: 22 Nov 2023 14:09

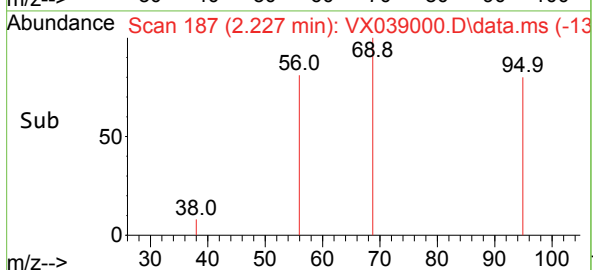
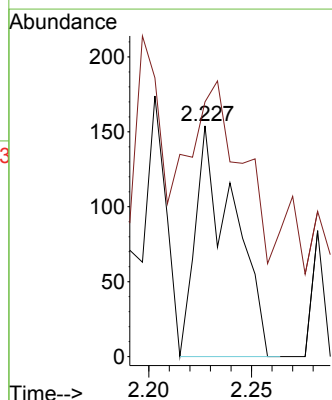
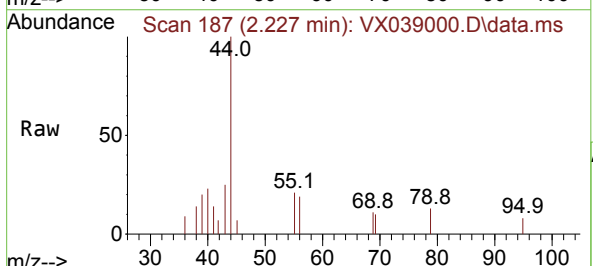
Instrument :
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ClientSampleId :
VX1122WBL01

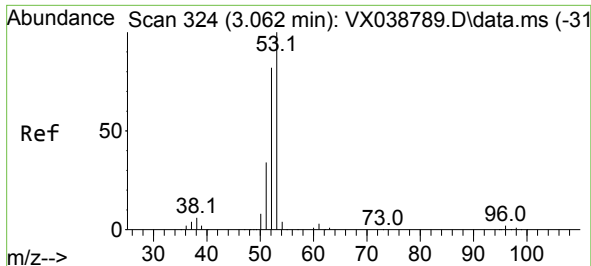
Tgt Ion: 59 Resp: 976
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#13
Acrolein
Concen: 0.842 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.006 min
Lab File: VX039000.D
Acq: 22 Nov 2023 14:09

Tgt Ion: 56 Resp: 198
Ion Ratio Lower Upper
56 100
55 56.1 57.1 85.7#

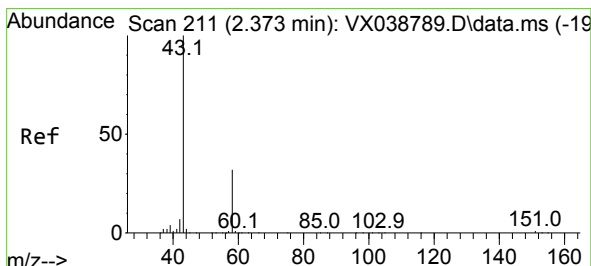
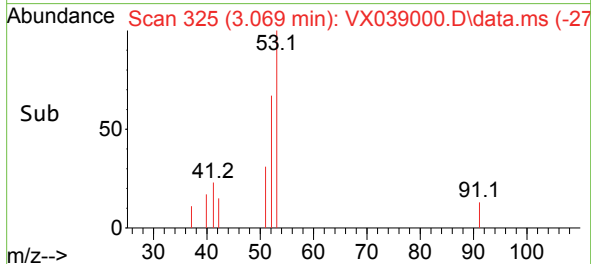
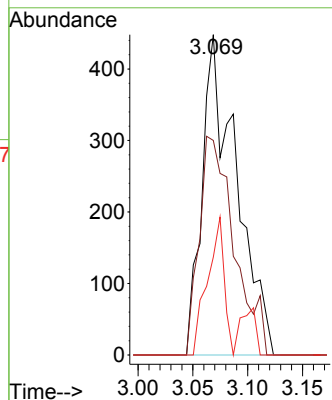
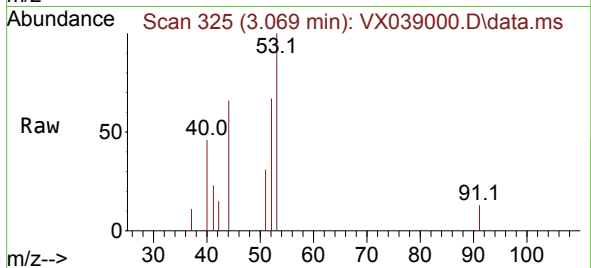




#15
Acrylonitrile
Concen: 1.033 ug/l
RT: 3.069 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX039000.D
Acq: 22 Nov 2023 14:09

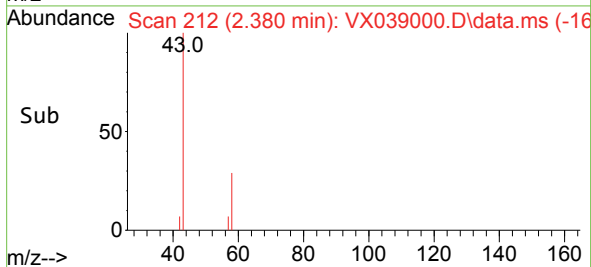
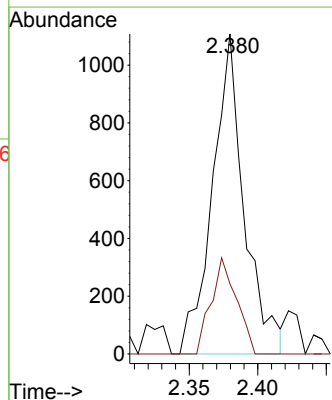
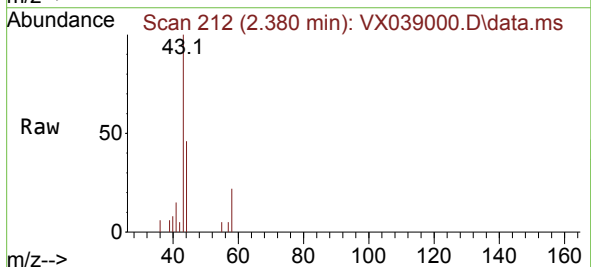
Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

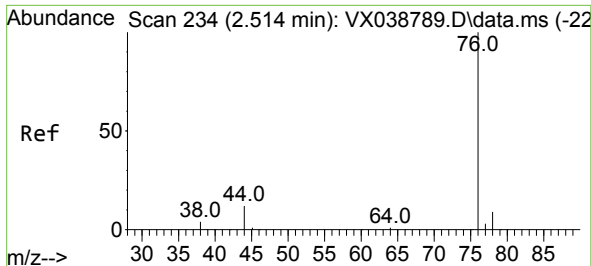
Tgt Ion: 53 Resp: 970
Ion Ratio Lower Upper
53 100
52 69.9 66.0 99.0
51 21.2 29.8 44.6#



#16
Acetone
Concen: 2.095 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX039000.D
Acq: 22 Nov 2023 14:09

Tgt Ion: 43 Resp: 1782
Ion Ratio Lower Upper
43 100
58 21.9 21.9 32.9

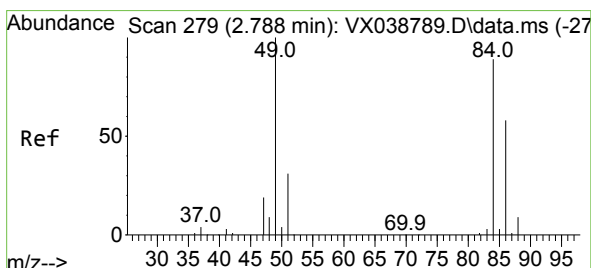
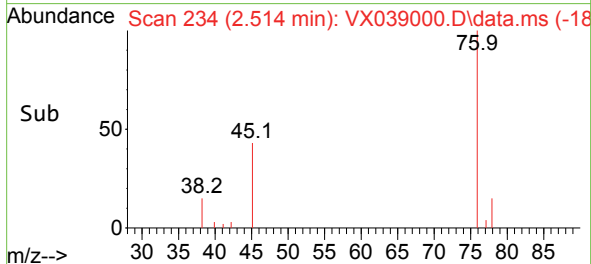
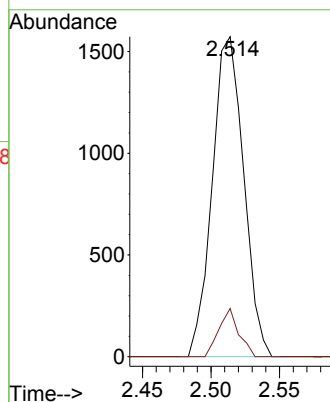
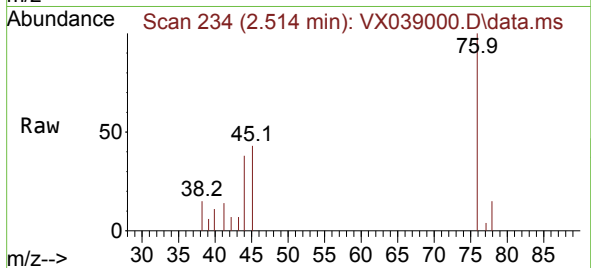




#17
Carbon Disulfide
Concen: 0.655 ug/l
RT: 2.514 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX039000.D
Acq: 22 Nov 2023 14:09

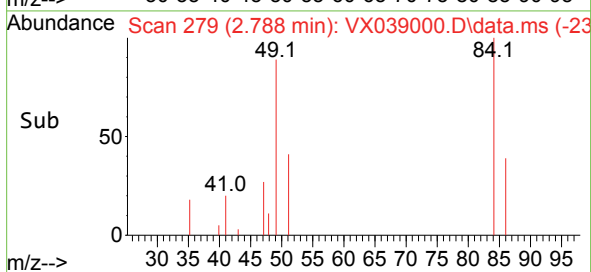
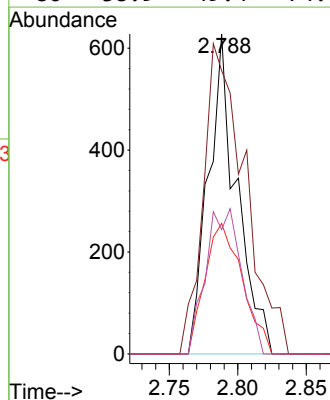
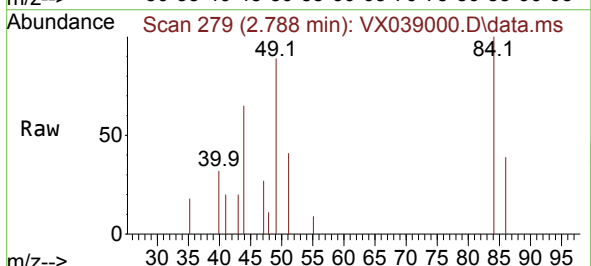
Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

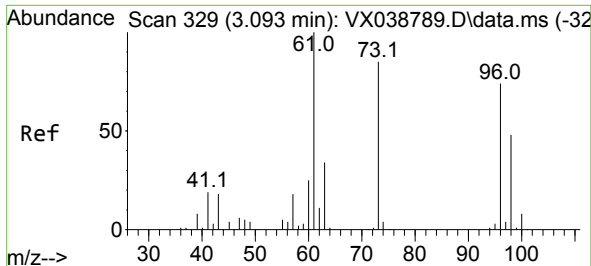
Tgt Ion: 76 Resp: 2506
Ion Ratio Lower Upper
76 100
78 15.1 7.0 10.6#



#20
Methylene Chloride
Concen: 0.592 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX039000.D
Acq: 22 Nov 2023 14:09

Tgt Ion: 84 Resp: 907
Ion Ratio Lower Upper
84 100
49 88.5 103.6 155.4#
51 40.8 33.8 50.6
86 38.9 49.4 74.0#

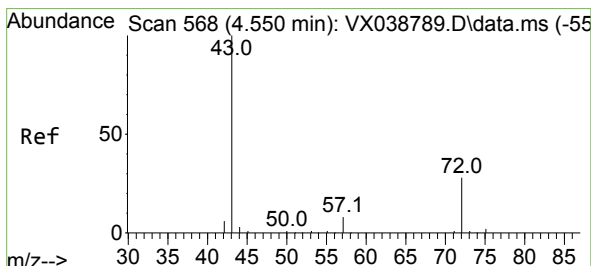
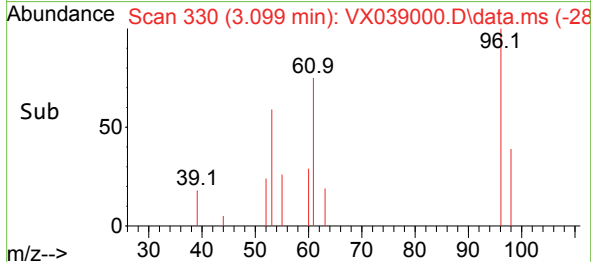
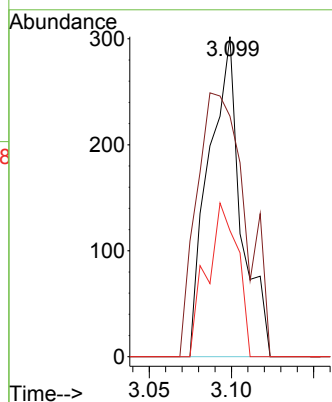
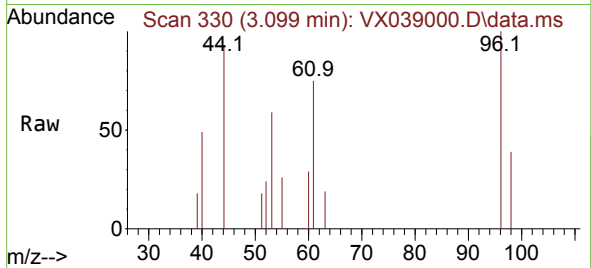




#21
trans-1,2-Dichloroethene
Concen: 0.303 ug/l
RT: 3.099 min Scan# 311
Delta R.T. 0.006 min
Lab File: VX039000.D
Acq: 22 Nov 2023 14:09

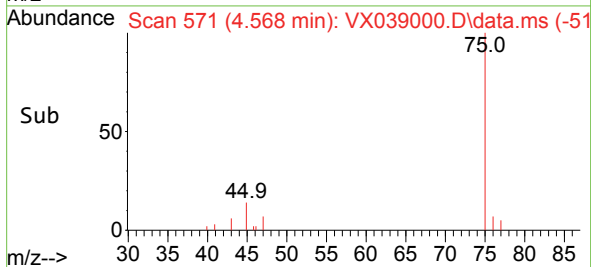
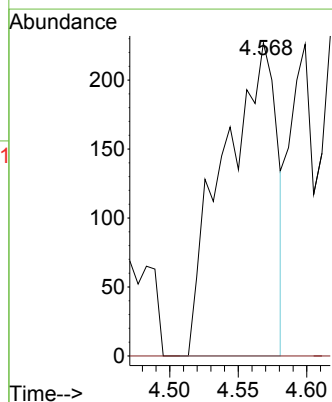
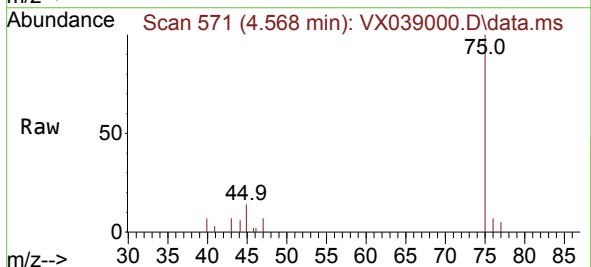
Instrument :
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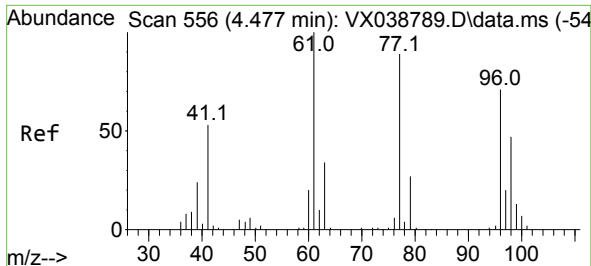
Tgt Ion: 96 Resp: 413
Ion Ratio Lower Upper
96 100
61 75.2 119.2 178.8#
98 39.4 48.7 73.1#



#25
2-Butanone
Concen: 0.446 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.018 min
Lab File: VX039000.D
Acq: 22 Nov 2023 14:09

Tgt Ion: 43 Resp: 615
Ion Ratio Lower Upper
43 100
72 0.0 19.4 29.2#

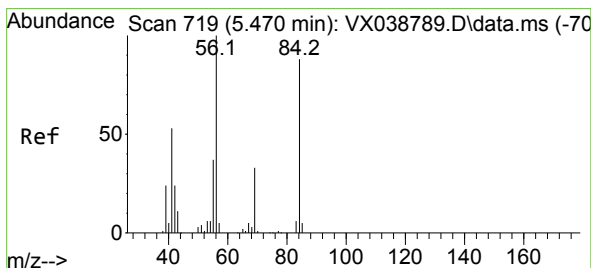
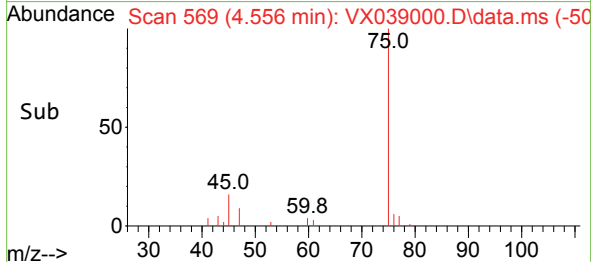
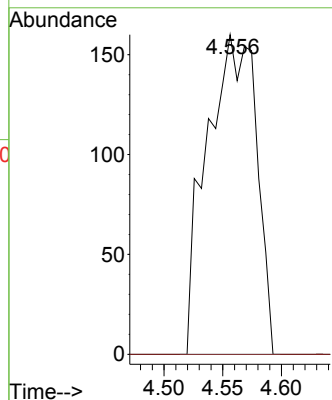
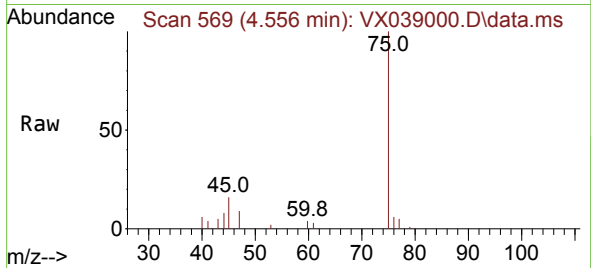




#26
2,2-Dichloropropane
Concen: 0.213 ug/l
RT: 4.556 min Scan# 509
Delta R.T. 0.079 min
Lab File: VX039000.D
Acq: 22 Nov 2023 14:09

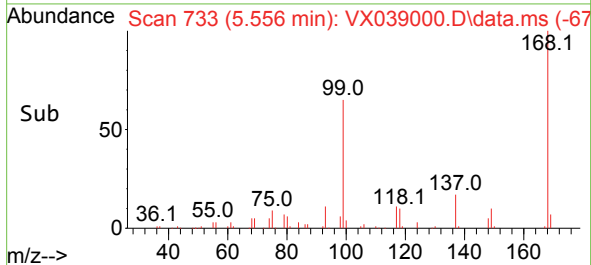
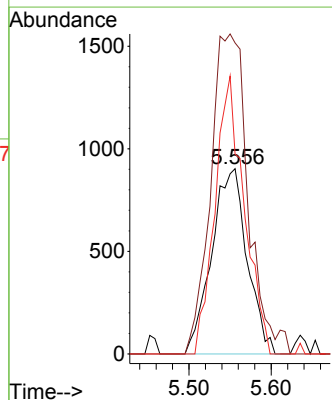
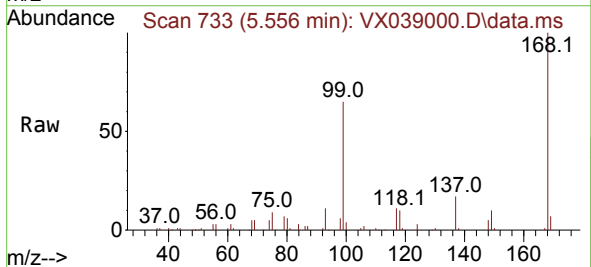
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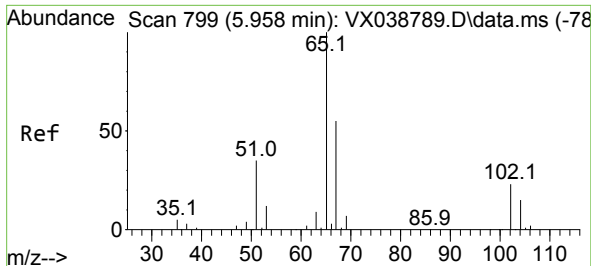
Tgt Ion: 77 Resp: 468
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.3#



#31
Cyclohexane
Concen: 1.191 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.086 min
Lab File: VX039000.D
Acq: 22 Nov 2023 14:09

Tgt Ion: 56 Resp: 2716
Ion Ratio Lower Upper
56 100
69 167.9 23.4 35.2#
84 107.9 65.9 98.9#





#33

1,2-Dichloroethane-d4

Concen: 49.167 ug/l

RT: 5.952 min Scan# 79

Delta R.T. -0.006 min

Lab File: VX039000.D

Acq: 22 Nov 2023 14:09

Instrument :

MSVOA_X

ClientSampleId :

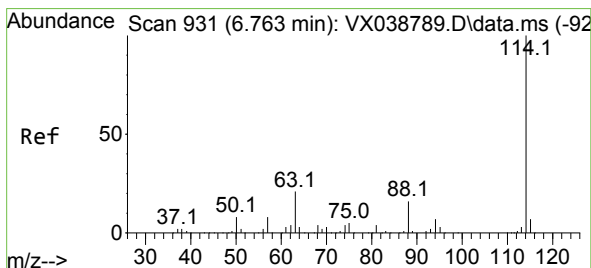
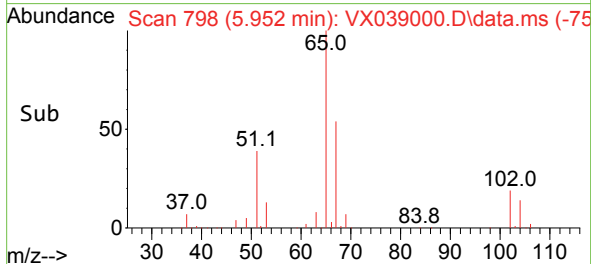
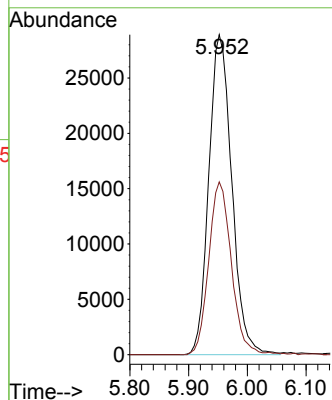
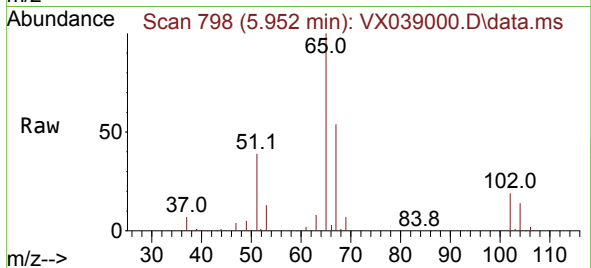
VX1122WBL01

Tgt Ion: 65 Resp: 78551

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# 930

Delta R.T. -0.006 min

Lab File: VX039000.D

Acq: 22 Nov 2023 14:09

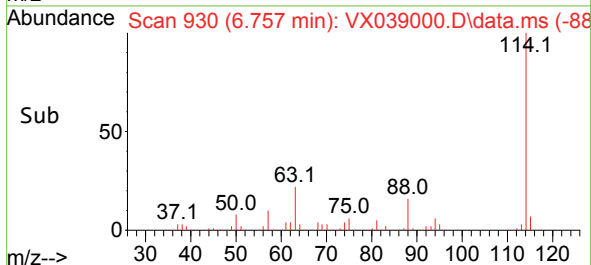
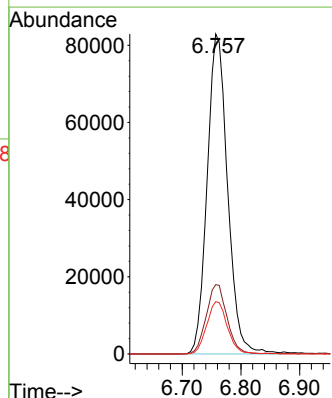
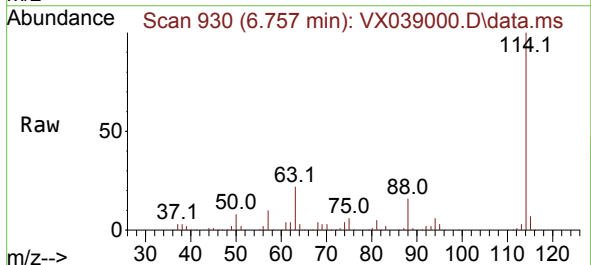
Tgt Ion:114 Resp: 200215

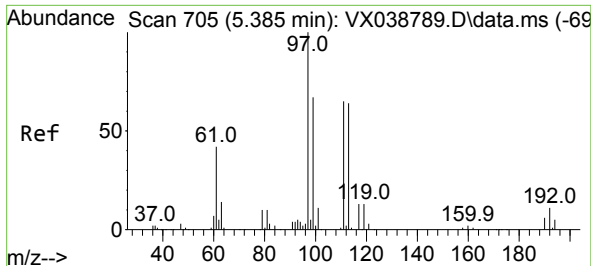
Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.0

88 16.4 0.0 36.6

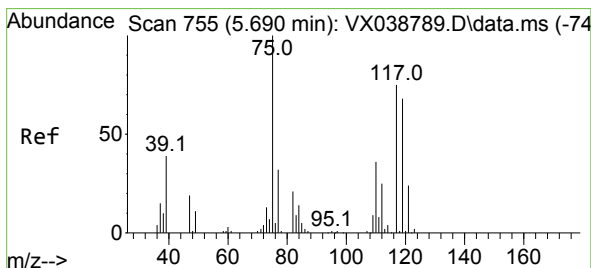
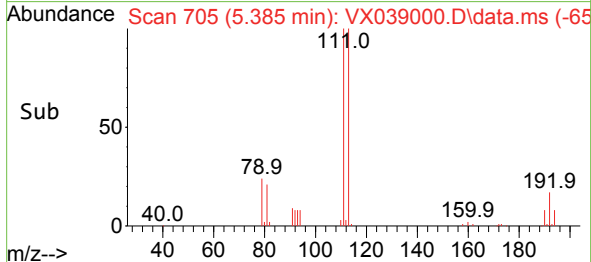
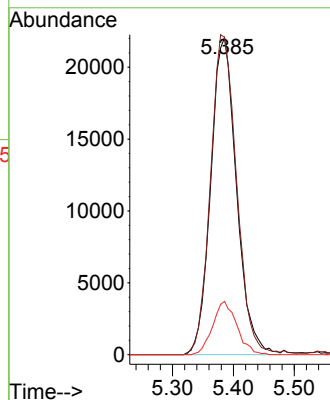
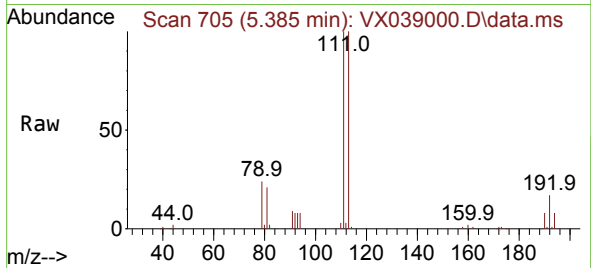




#35
Dibromofluoromethane
Concen: 44.799 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX039000.D
Acq: 22 Nov 2023 14:09

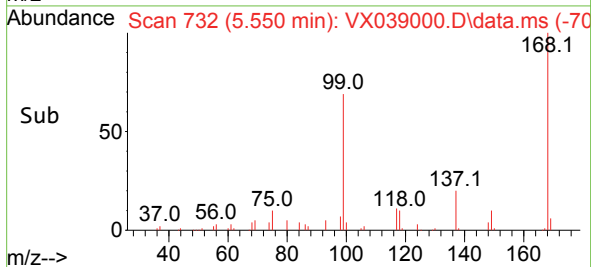
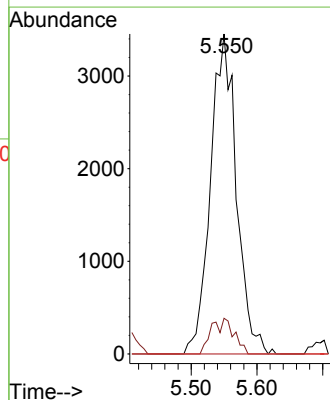
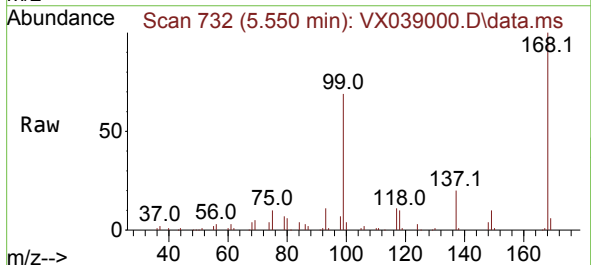
Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

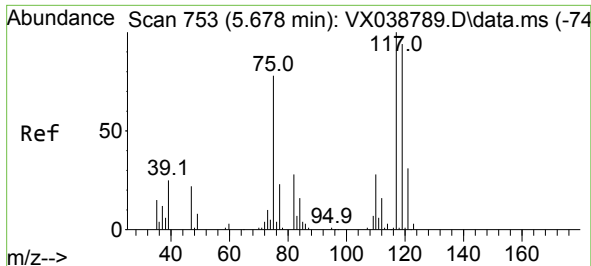
Tgt Ion:113 Resp: 64780
Ion Ratio Lower Upper
113 100
111 102.3 82.9 124.3
192 15.8 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.576 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.140 min
Lab File: VX039000.D
Acq: 22 Nov 2023 14:09

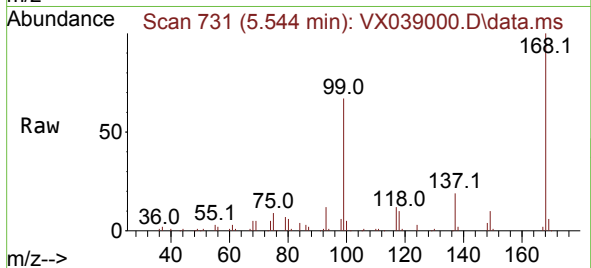
Tgt Ion: 75 Resp: 9484
Ion Ratio Lower Upper
75 100
110 4.5 17.0 50.9#
77 0.0 24.7 37.1#



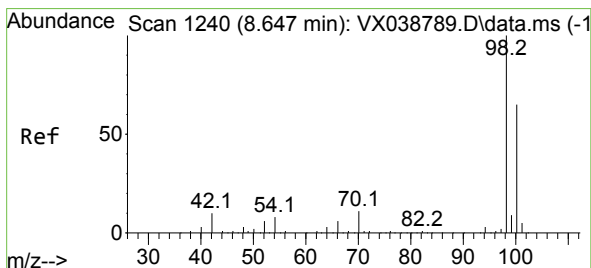
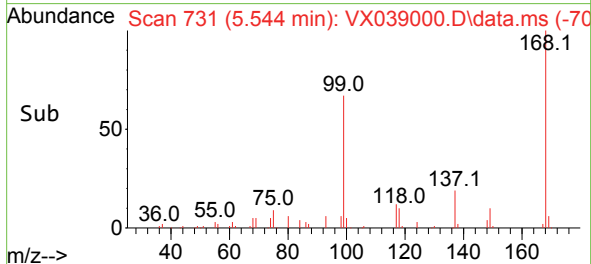
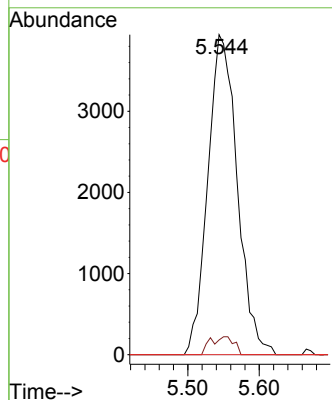


#38
Carbon Tetrachloride
Concen: 5.891 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX039000.D
Acq: 22 Nov 2023 14:09

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

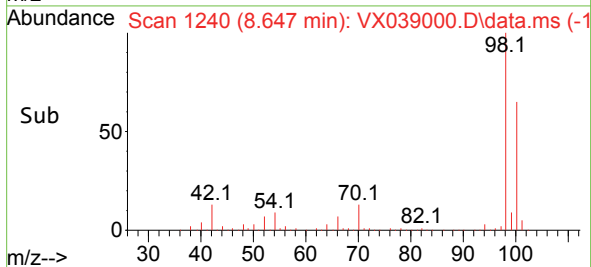
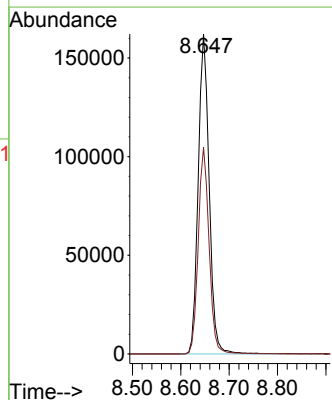
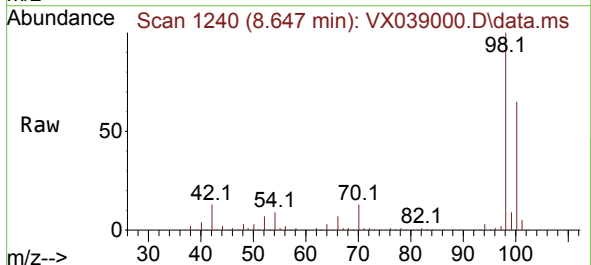


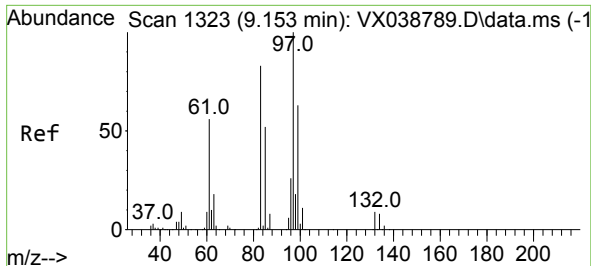
Tgt Ion:117 Resp: 11283
Ion Ratio Lower Upper
117 100
119 4.6 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 45.966 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039000.D
Acq: 22 Nov 2023 14:09

Tgt Ion: 98 Resp: 254308
Ion Ratio Lower Upper
98 100
100 64.2 53.1 79.7

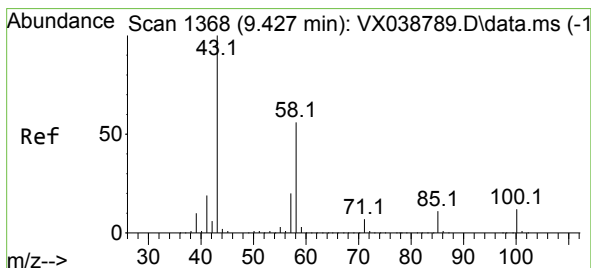
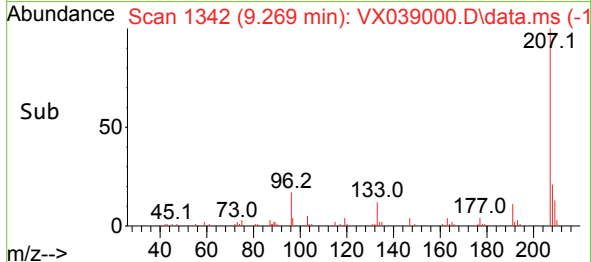
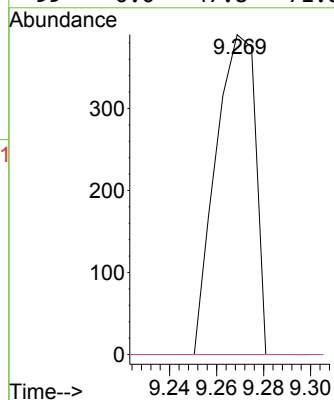
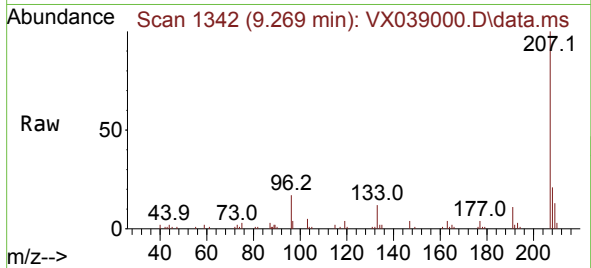




#55
1,1,2-Trichloroethane
Concen: 0.288 ug/l
RT: 9.269 min Scan# 11
Delta R.T. 0.116 min
Lab File: VX039000.D
Acq: 22 Nov 2023 14:09

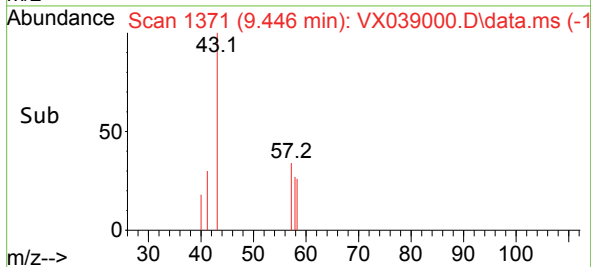
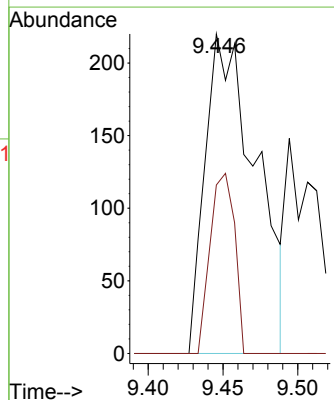
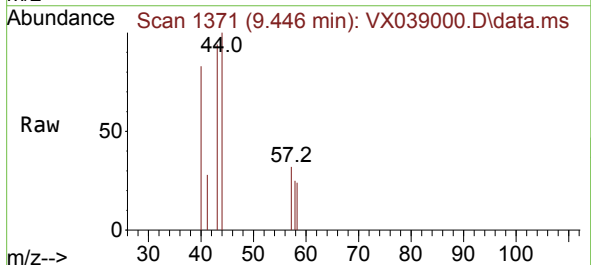
Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

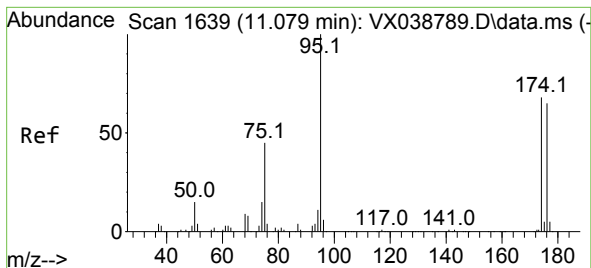
Tgt Ion: 97	Resp: 457
Ion Ratio	Lower Upper
97 100	
83 0.0	65.8 98.8#
85 0.0	41.6 62.4#
99 0.0	47.8 71.8#



#59
2-Hexanone
Concen: 0.234 ug/l
RT: 9.446 min Scan# 1371
Delta R.T. 0.018 min
Lab File: VX039000.D
Acq: 22 Nov 2023 14:09

Tgt Ion: 43	Resp: 518		
Ion Ratio	Lower	Upper	
43 100			
58 27.4	26.2	78.5	

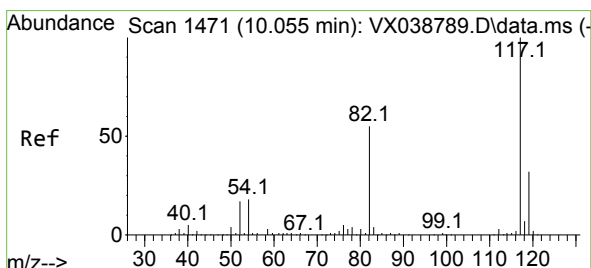
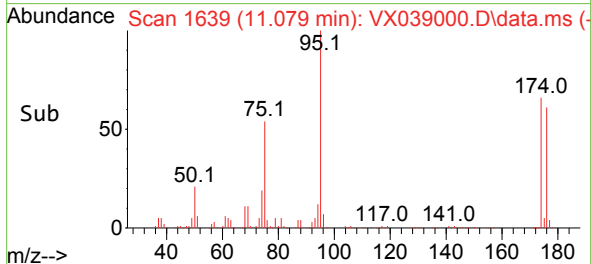
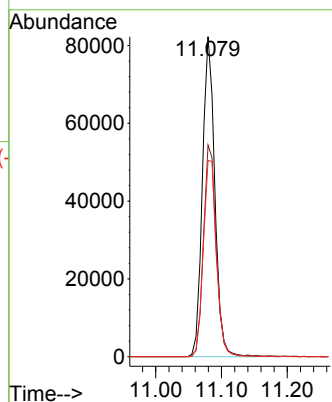
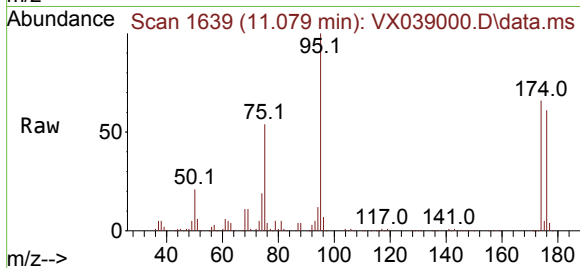




#62
4-Bromofluorobenzene
Concen: 48.593 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039000.D
Acq: 22 Nov 2023 14:09

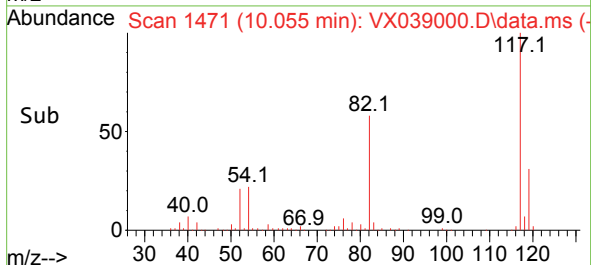
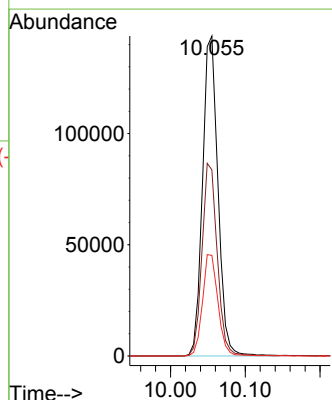
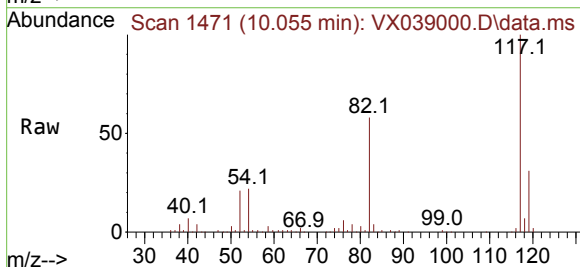
Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

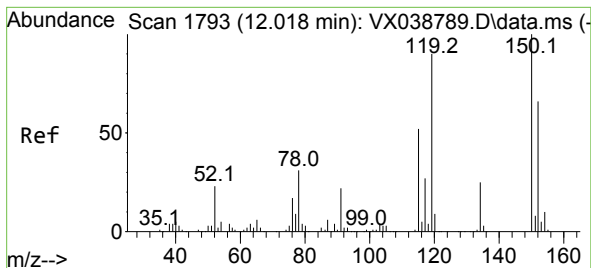
Tgt Ion: 95 Resp: 107619
Ion Ratio Lower Upper
95 100
174 68.2 0.0 135.6
176 64.9 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039000.D
Acq: 22 Nov 2023 14:09

Tgt Ion: 117 Resp: 206042
Ion Ratio Lower Upper
117 100
82 58.1 46.2 69.4
119 31.4 25.5 38.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX039000.D

Acq: 22 Nov 2023 14:09

Instrument :

MSVOA_X

ClientSampleId :

VX1122WBL01

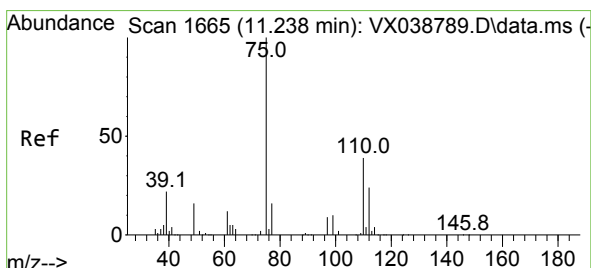
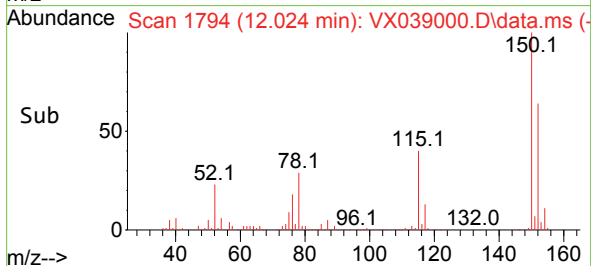
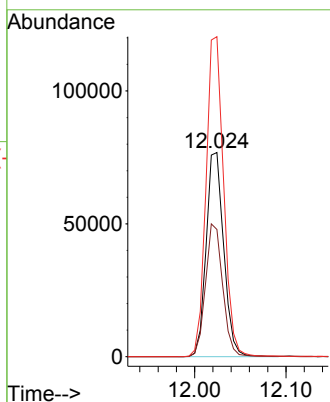
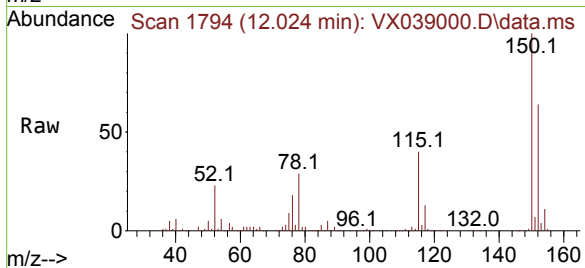
Tgt Ion:152 Resp: 102568

Ion Ratio Lower Upper

152 100

115 63.5 43.3 129.9

150 157.1 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 22.615 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.158 min

Lab File: VX039000.D

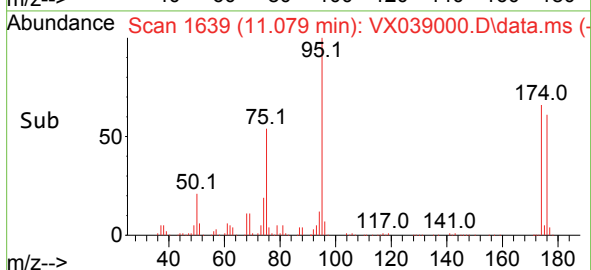
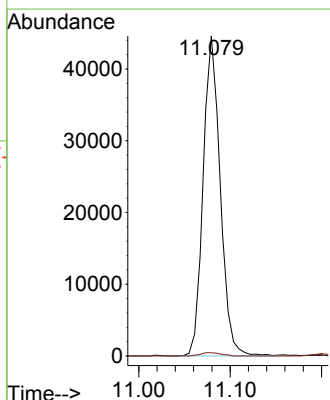
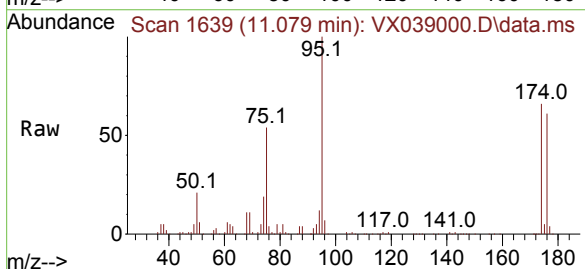
Acq: 22 Nov 2023 14:09

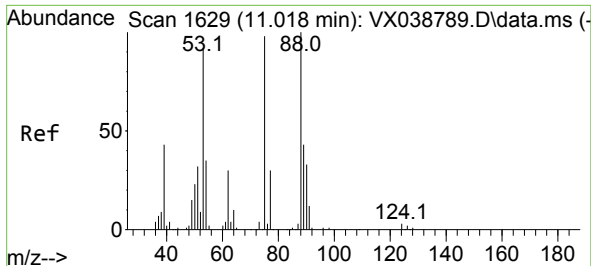
Tgt Ion: 75 Resp: 57872

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#

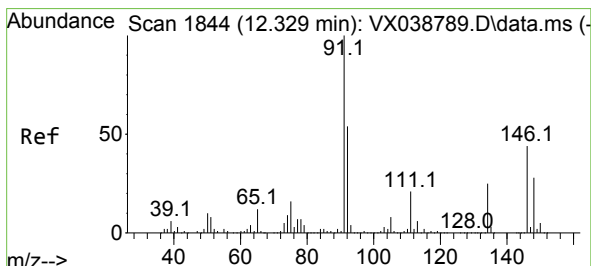
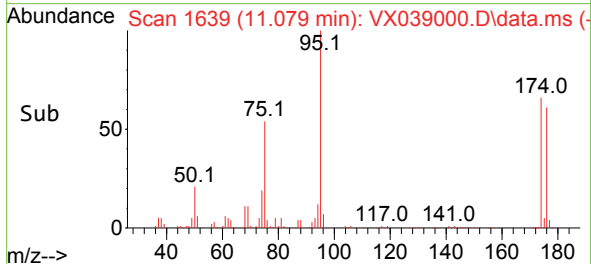
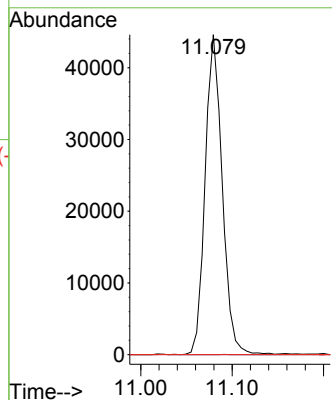
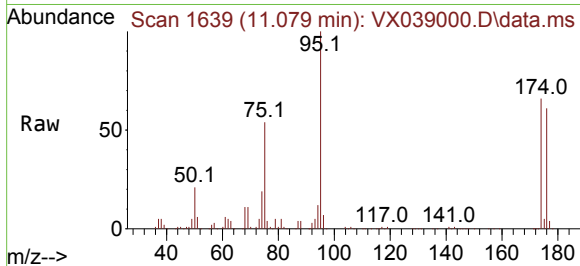




#81
trans-1,4-Dichloro-2-butene
Concen: 50.161 ug/l
RT: 11.079 min Scan# 1629
Delta R.T. 0.061 min
Lab File: VX039000.D
Acq: 22 Nov 2023 14:09

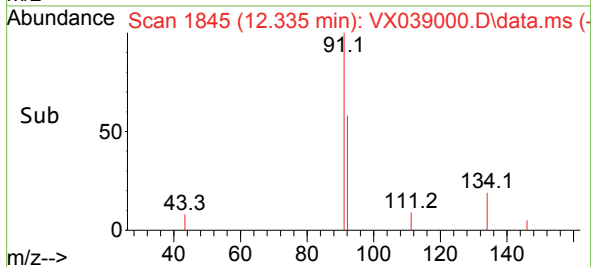
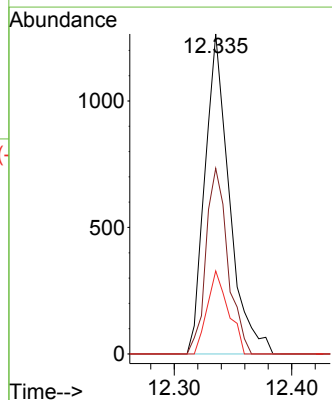
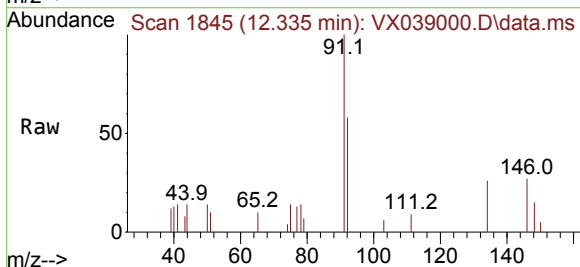
Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

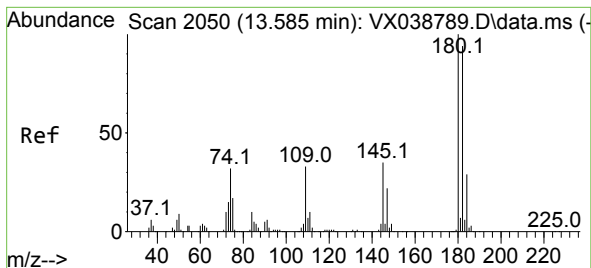
Tgt Ion: 75 Resp: 57872
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#89
n-Butylbenzene
Concen: 0.261 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX039000.D
Acq: 22 Nov 2023 14:09

Tgt Ion: 91 Resp: 1830
Ion Ratio Lower Upper
91 100
92 52.0 27.4 82.0
134 22.5 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.468 ug/l

RT: 13.591 min Scan# 2050

Delta R.T. 0.006 min

Lab File: VX039000.D

Acq: 22 Nov 2023 14:09

Instrument :

MSVOA_X

ClientSampleId :

VX1122WBL01

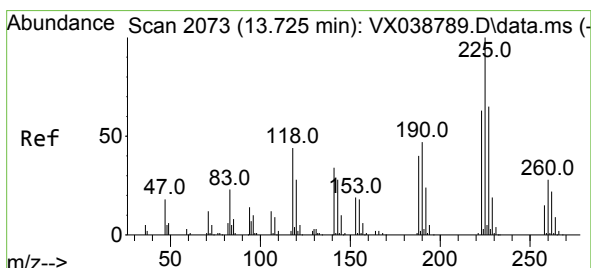
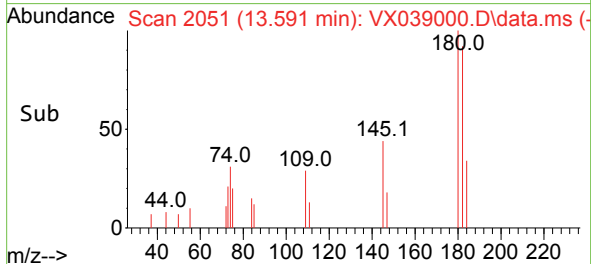
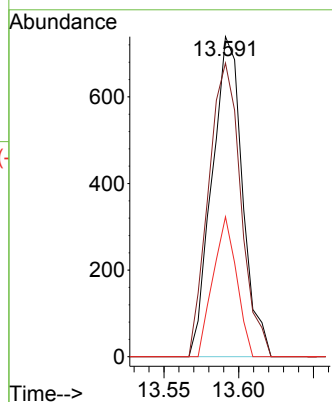
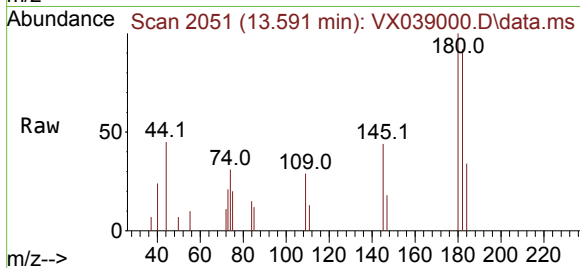
Tgt Ion:180 Resp: 1046

Ion Ratio Lower Upper

180 100

182 97.4 48.3 144.8

145 33.7 18.0 54.0



#94

Hexachlorobutadiene

Concen: 0.630 ug/l

RT: 13.725 min Scan# 2073

Delta R.T. 0.000 min

Lab File: VX039000.D

Acq: 22 Nov 2023 14:09

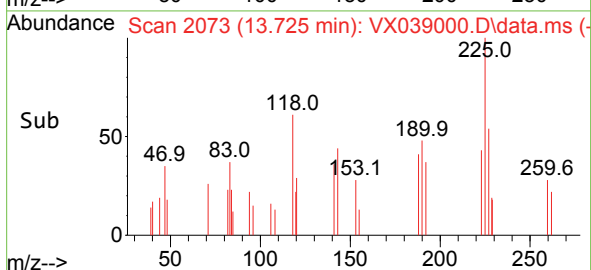
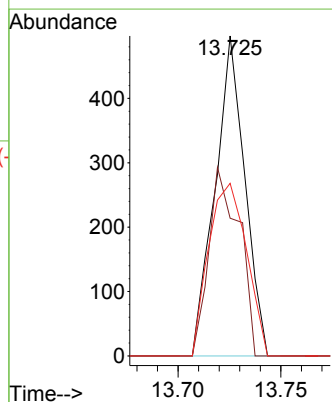
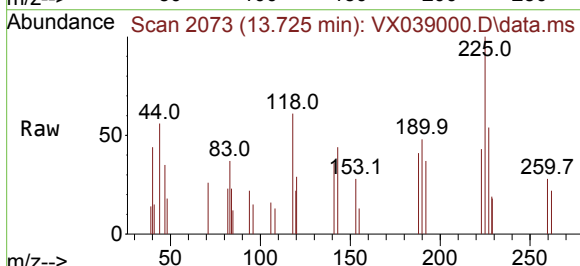
Tgt Ion:225 Resp: 499

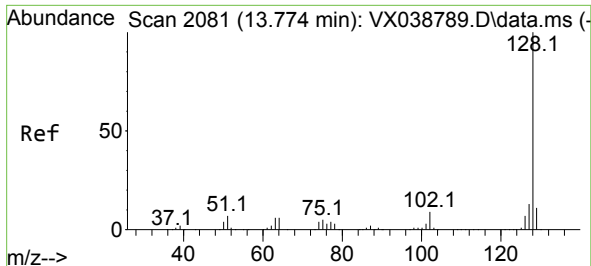
Ion Ratio Lower Upper

225 100

223 60.1 31.1 93.2

227 68.9 32.5 97.5

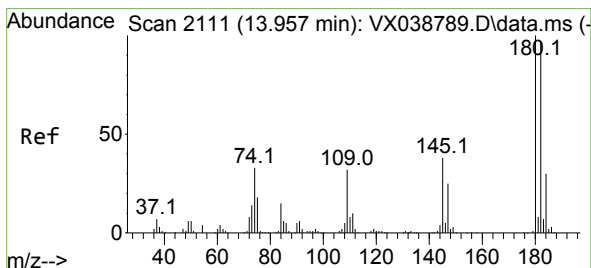
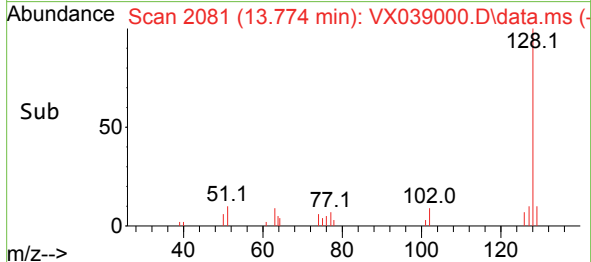
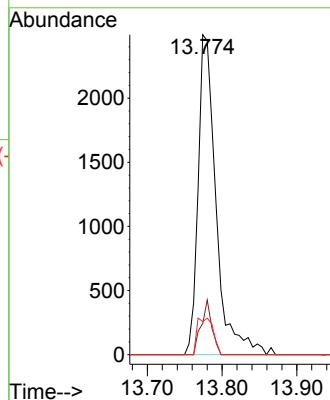
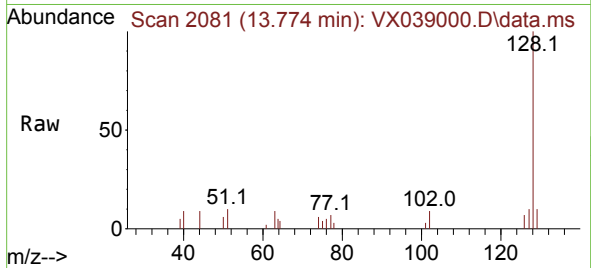




#95
Naphthalene
Concen: 0.503 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. 0.000 min
Lab File: VX039000.D
Acq: 22 Nov 2023 14:09

Instrument :
MSVOA_X
ClientSampleId :
VX1122WBL01

Tgt Ion:128 Resp: 4186
Ion Ratio Lower Upper
128 100
127 10.1 10.3 15.5#
129 10.1 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 0.413 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX039000.D
Acq: 22 Nov 2023 14:09

Tgt Ion:180 Resp: 874
Ion Ratio Lower Upper
180 100
182 93.7 46.9 140.6
145 41.0 17.8 53.5

