

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111623\
 Data File : VX038842.D
 Acq On : 16 Nov 2023 16:59
 Operator : JC/MD
 Sample : VX1116WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 16 23:03:35 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	143524	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	287028	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	286800	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	145420	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	103994	44.967	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	89.940%
35) Dibromofluoromethane	5.379	113	91541	44.159	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.320%
50) Toluene-d8	8.647	98	361527	45.582	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	91.160%#
62) 4-Bromofluorobenzene	11.079	95	155525	48.985	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	97.960%

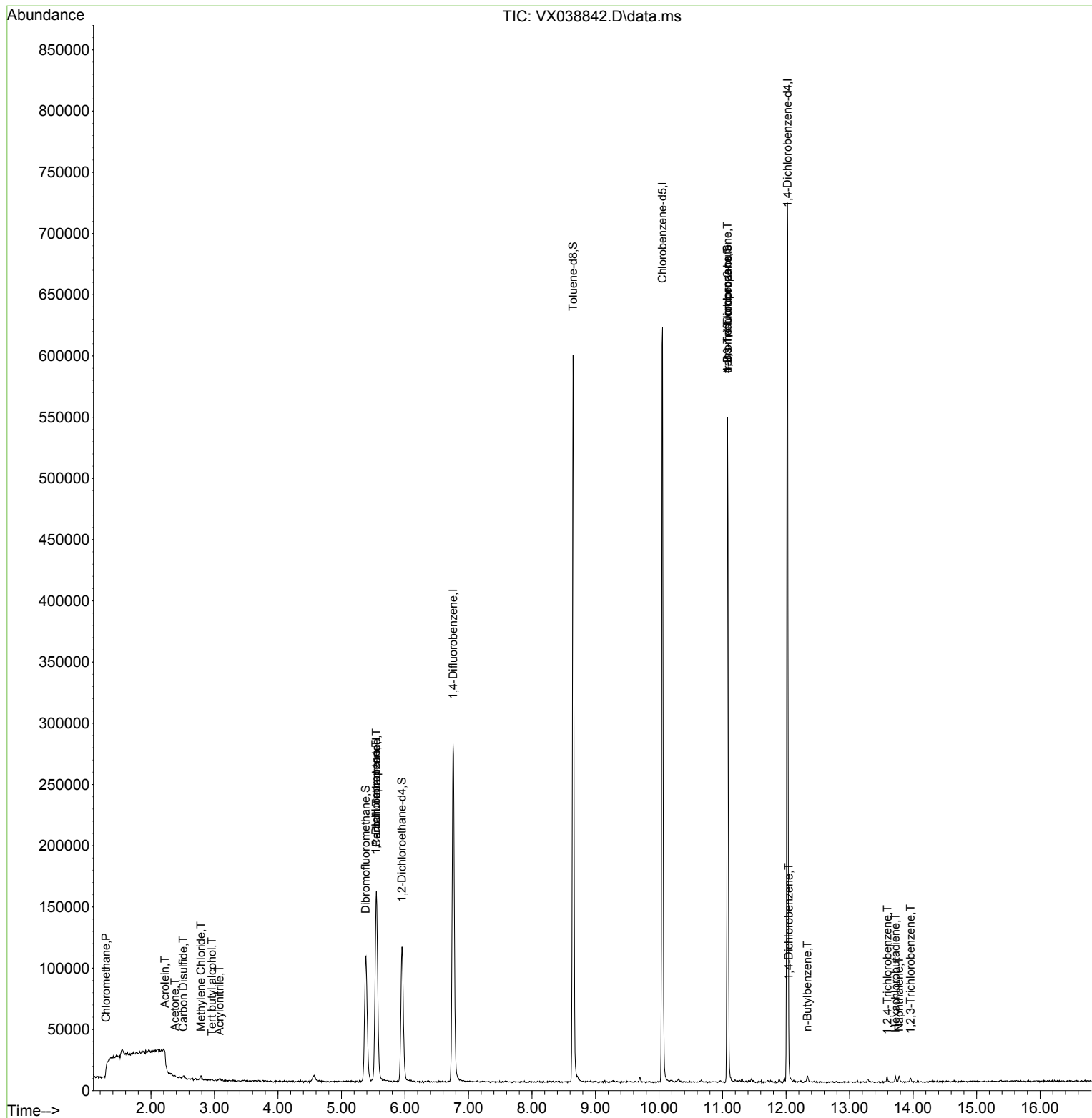
Target Compounds			Qvalue			
3) Chloromethane	1.294	50	522	0.239	ug/l #	84
11) Tert butyl alcohol	2.959	59	386	0.600	ug/l #	6
13) Acrolein	2.221	56	707	2.078	ug/l #	14
15) Acrylonitrile	3.081	53	931	0.685	ug/l #	69
16) Acetone	2.380	43	1221	0.992	ug/l #	87
17) Carbon Disulfide	2.508	76	2902	0.524	ug/l #	81
20) Methylene Chloride	2.788	84	2134	0.962	ug/l	87
36) 1,1-Dichloropropene	5.544	75	12721	4.282	ug/l #	54
38) Carbon Tetrachloride	5.550	117	15866	5.778	ug/l #	16
76) 1,2,3-Trichloropropane	11.079	75	76328	21.037	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	76328	46.663	ug/l #	5
88) 1,4-Dichlorobenzene	12.043	146	1148	0.225	ug/l #	47
89) n-Butylbenzene	12.335	91	2167	0.218	ug/l	99
93) 1,2,4-Trichlorobenzene	13.597	180	1165	0.368	ug/l	92
94) Hexachlorobutadiene	13.725	225	519	0.463	ug/l	87
95) Naphthalene	13.780	128	3975	0.337	ug/l	95
96) 1,2,3-Trichlorobenzene	13.963	180	732	0.244	ug/l #	75

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

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Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
MSVOA_X
ClientSampleId :

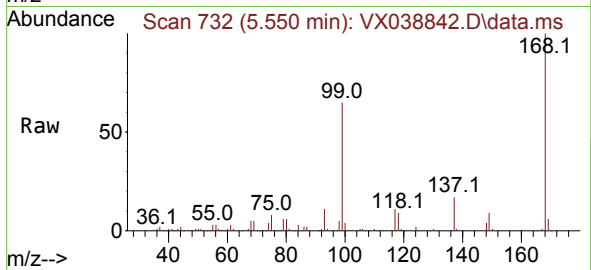
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111623W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 16 22:59:22 2023
Response via : Initial Calibration



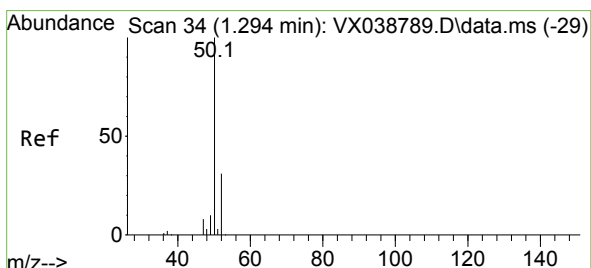
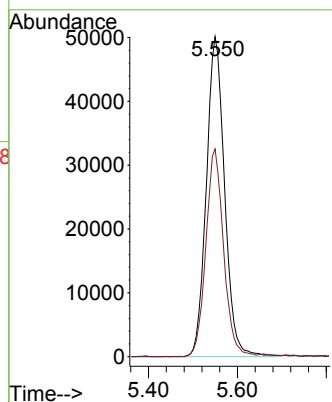
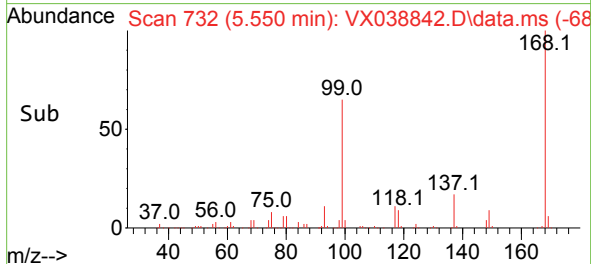


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX038842.D
Acq: 16 Nov 2023 16:59

Instrument :
MSVOA_X
ClientSampleId :

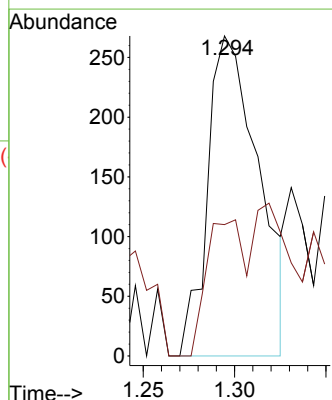
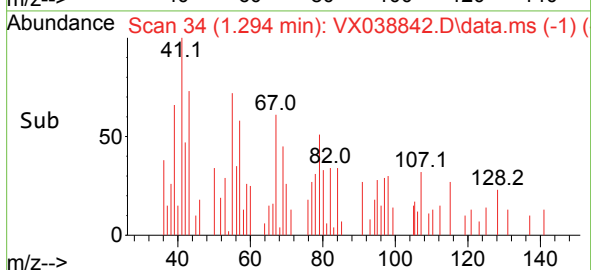
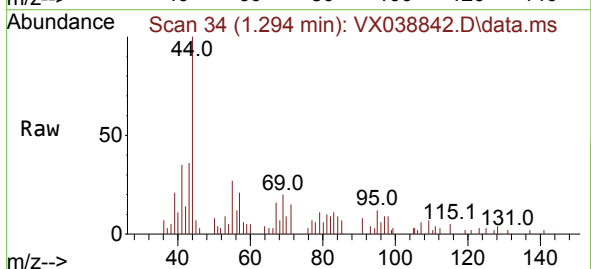


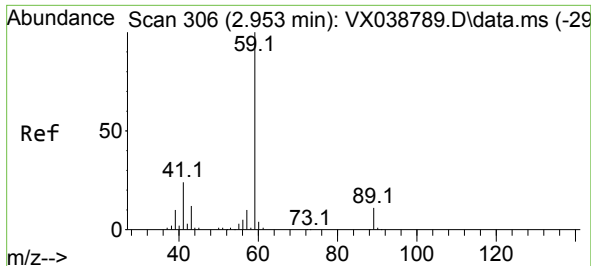
Tgt Ion:168 Resp: 143524
Ion Ratio Lower Upper
168 100
99 64.7 56.6 85.0



#3
Chloromethane
Concen: 0.239 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX038842.D
Acq: 16 Nov 2023 16:59

Tgt Ion: 50 Resp: 522
Ion Ratio Lower Upper
50 100
52 41.0 25.5 38.3#





#11

Tert butyl alcohol

Concen: 0.600 ug/l

RT: 2.959 min Scan# 306

Delta R.T. 0.006 min

Lab File: VX038842.D

Acq: 16 Nov 2023 16:59

Instrument :

MSVOA_X

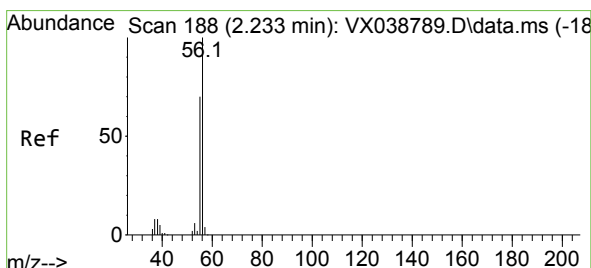
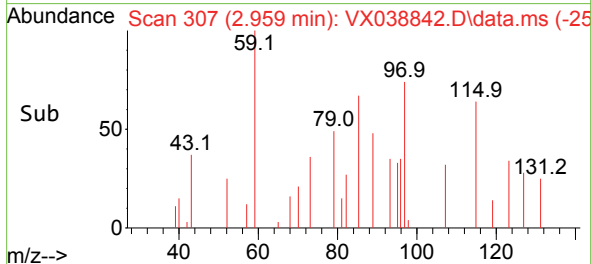
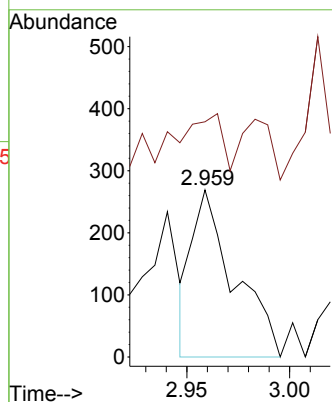
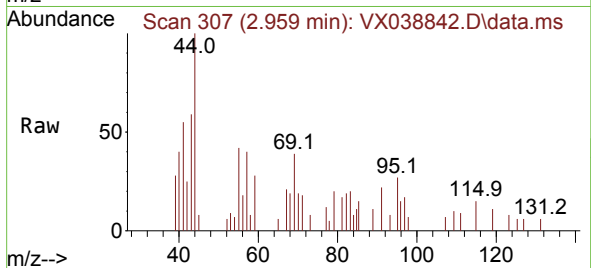
ClientSampleId :

Tgt Ion: 59 Resp: 386

Ion Ratio Lower Upper

59 100

57 40.4 6.0 9.0#



#13

Acrolein

Concen: 2.078 ug/l

RT: 2.221 min Scan# 186

Delta R.T. -0.012 min

Lab File: VX038842.D

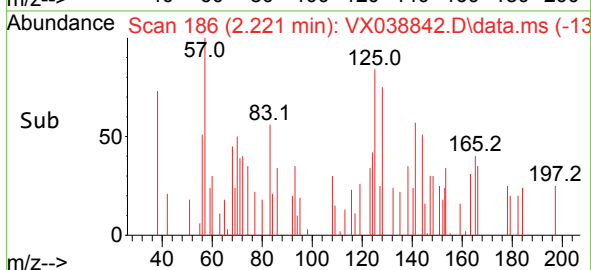
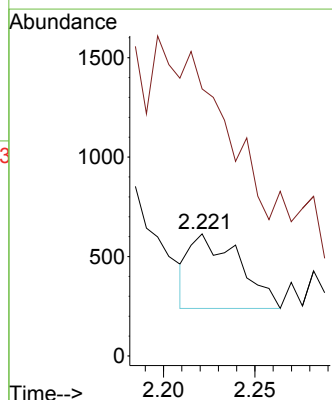
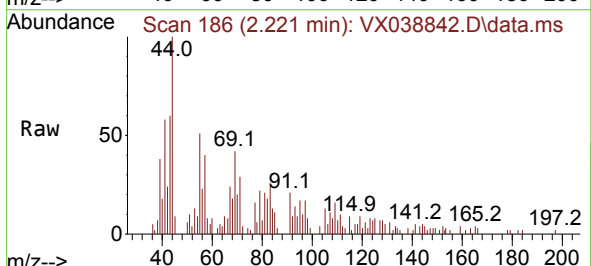
Acq: 16 Nov 2023 16:59

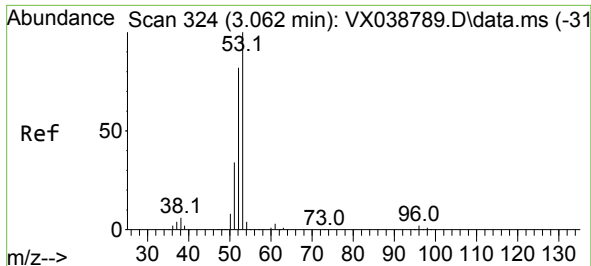
Tgt Ion: 56 Resp: 707

Ion Ratio Lower Upper

56 100

55 0.0 57.1 85.7#

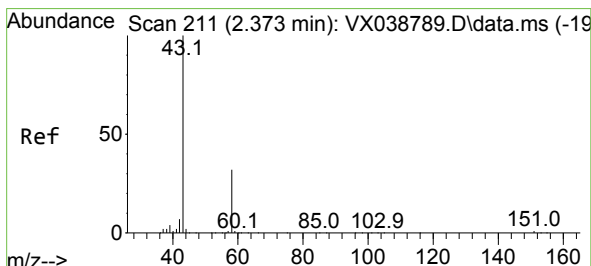
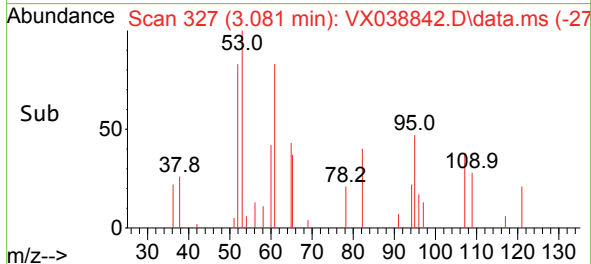
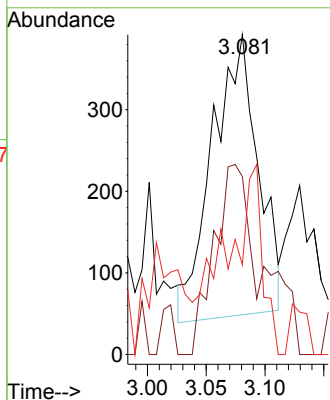
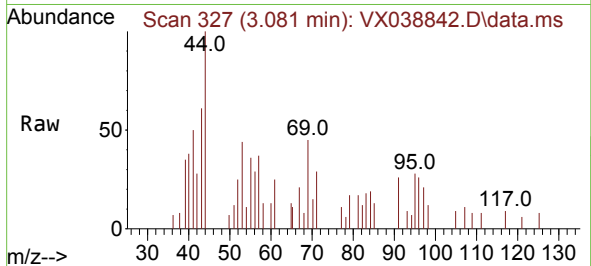




#15
Acrylonitrile
Concen: 0.685 ug/l
RT: 3.081 min Scan# 31
Delta R.T. 0.018 min
Lab File: VX038842.D
Acq: 16 Nov 2023 16:59

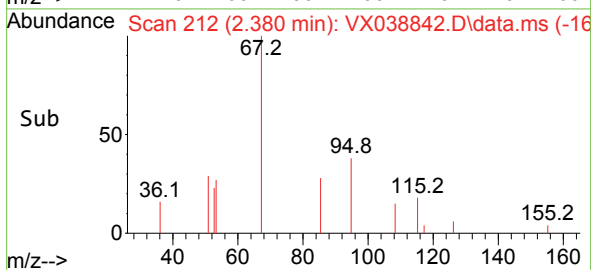
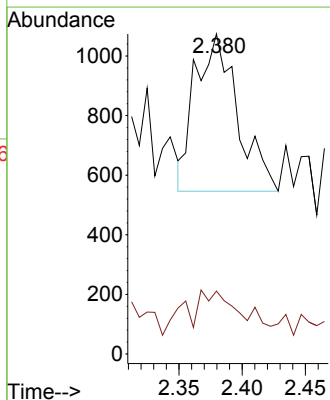
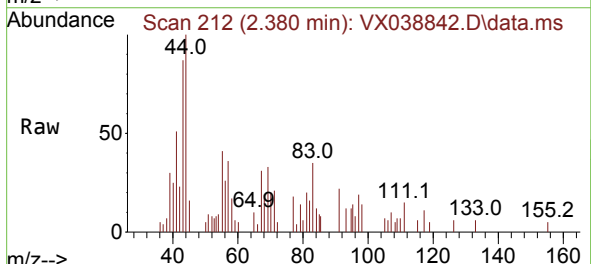
Instrument :
MSVOA_X
ClientSampleId :

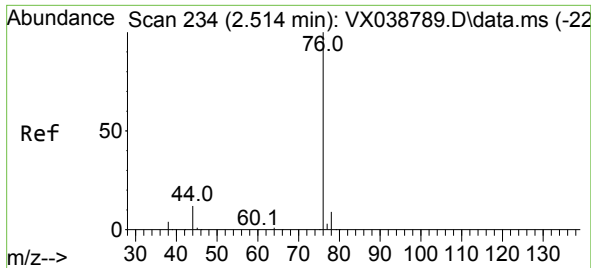
Tgt Ion: 53 Resp: 931
Ion Ratio Lower Upper
53 100
52 51.8 66.0 99.0#
51 23.1 29.8 44.6#



#16
Acetone
Concen: 0.992 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX038842.D
Acq: 16 Nov 2023 16:59

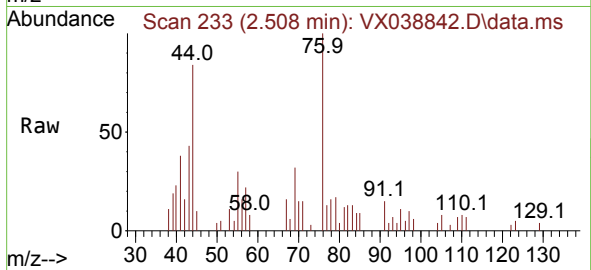
Tgt Ion: 43 Resp: 1221
Ion Ratio Lower Upper
43 100
58 20.8 21.9 32.9#



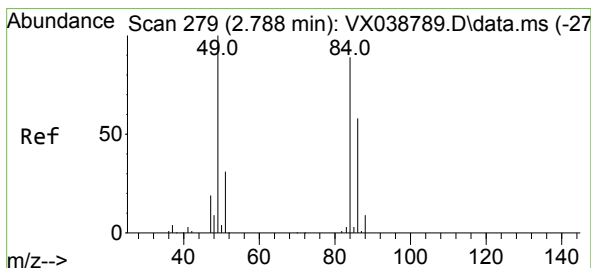
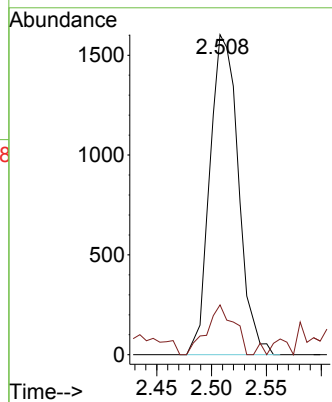
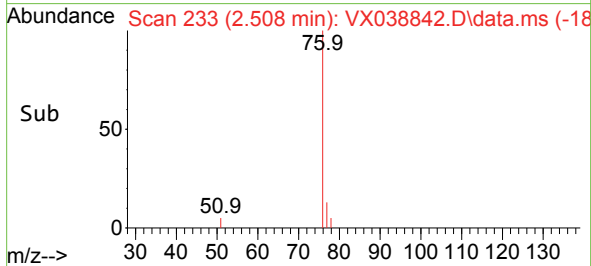


#17
Carbon Disulfide
Concen: 0.524 ug/l
RT: 2.508 min Scan# 217
Delta R.T. -0.006 min
Lab File: VX038842.D
Acq: 16 Nov 2023 16:59

Instrument :
MSVOA_X
ClientSampleId :

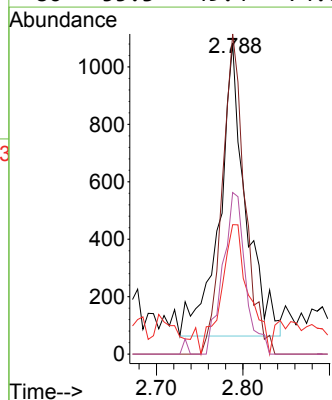
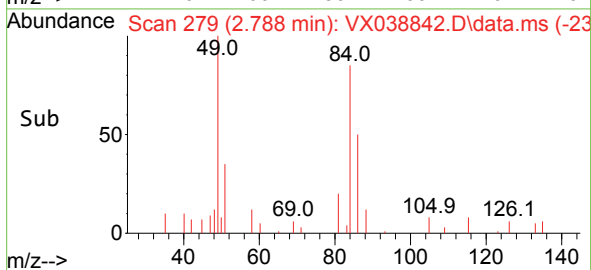
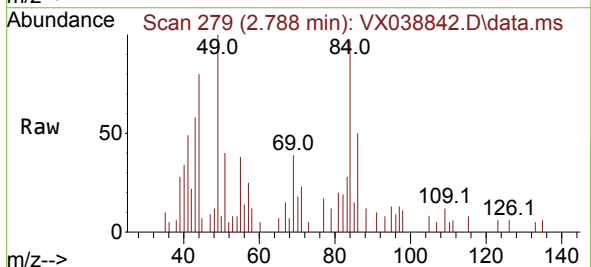


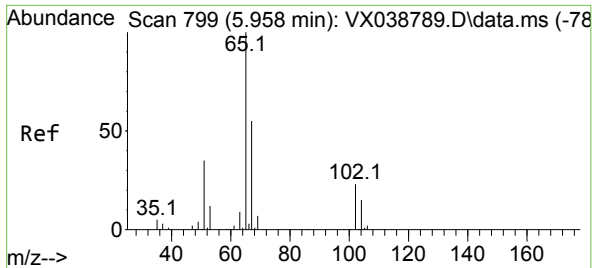
Tgt Ion: 76 Resp: 2902
Ion Ratio Lower Upper
76 100
78 15.5 7.0 10.6#



#20
Methylene Chloride
Concen: 0.962 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX038842.D
Acq: 16 Nov 2023 16:59

Tgt Ion: 84 Resp: 2134
Ion Ratio Lower Upper
84 100
49 109.4 103.6 155.4
51 38.4 33.8 50.6
86 55.3 49.4 74.0





#33

1,2-Dichloroethane-d4

Concen: 44.967 ug/l

RT: 5.952 min Scan# 799

Delta R.T. -0.006 min

Lab File: VX038842.D

Acq: 16 Nov 2023 16:59

Instrument :

MSVOA_X

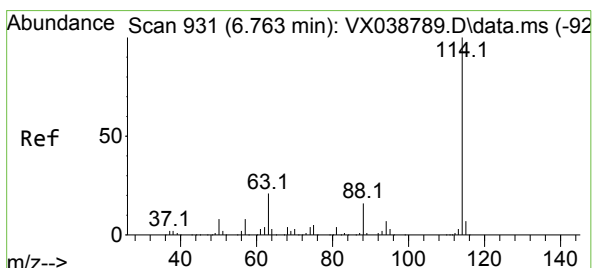
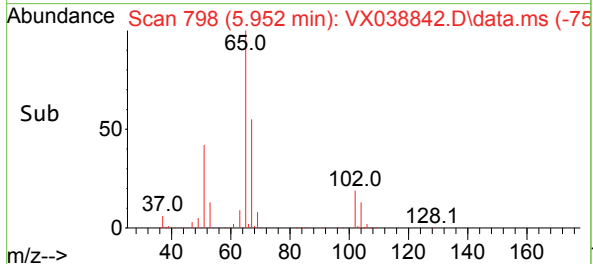
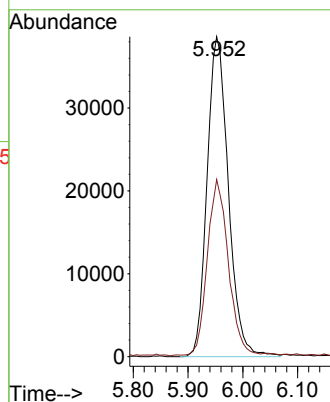
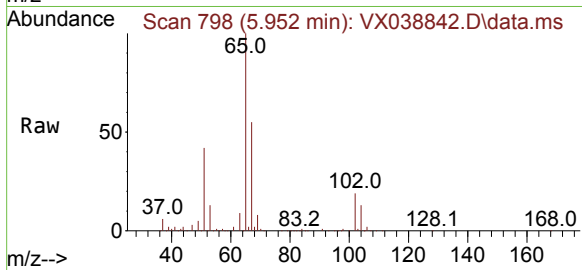
ClientSampleId :

Tgt Ion: 65 Resp: 103994

Ion Ratio Lower Upper

65 100

67 53.8 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: VX038842.D

Acq: 16 Nov 2023 16:59

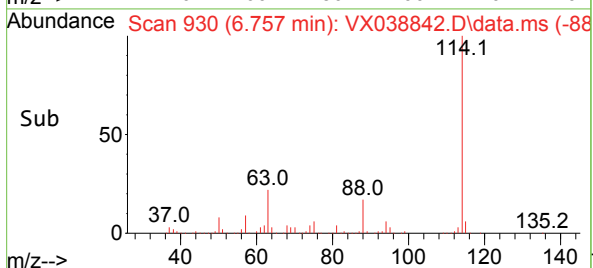
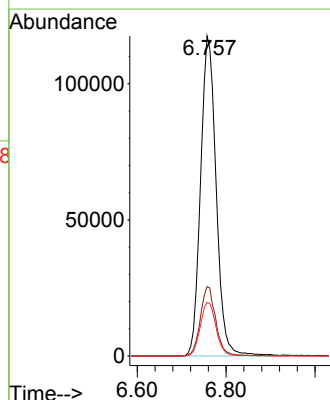
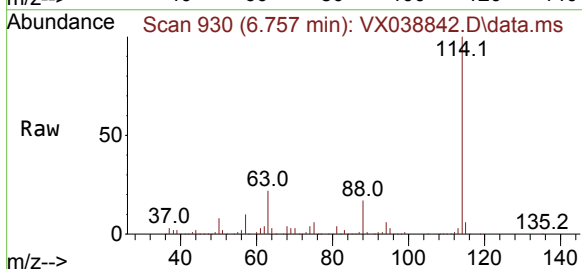
Tgt Ion: 114 Resp: 287028

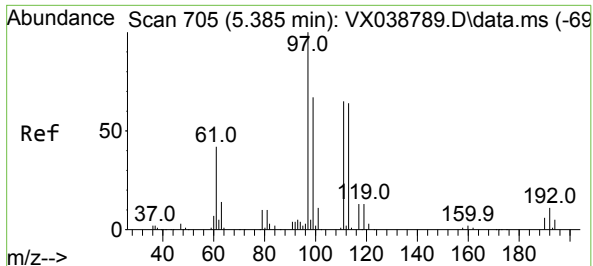
Ion Ratio Lower Upper

114 100

63 21.7 0.0 45.0

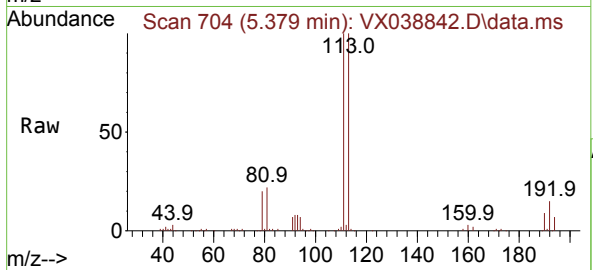
88 16.7 0.0 36.6



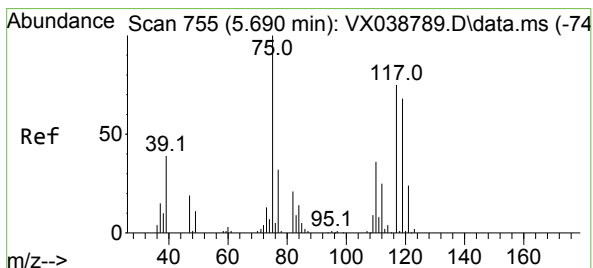
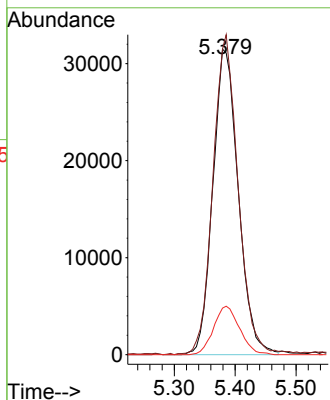
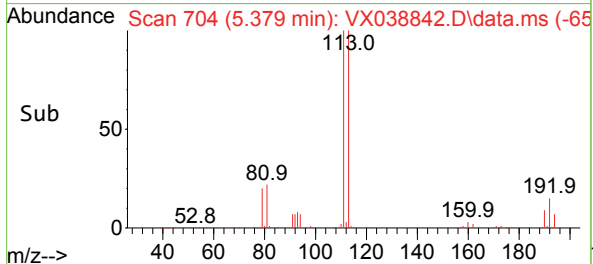


#35
Dibromofluoromethane
Concen: 44.159 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX038842.D
Acq: 16 Nov 2023 16:59

Instrument :
MSVOA_X
ClientSampleId :

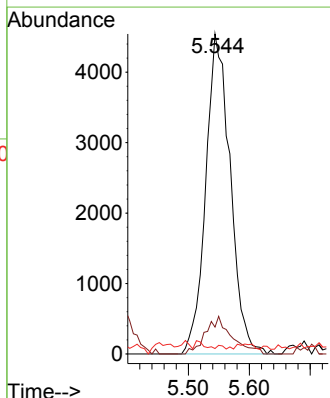
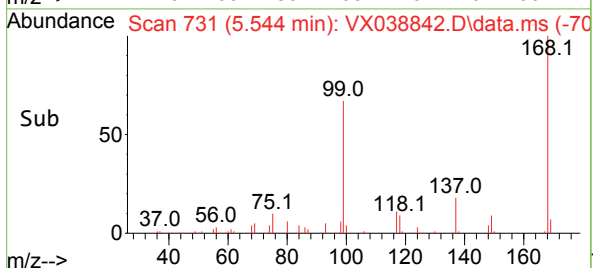
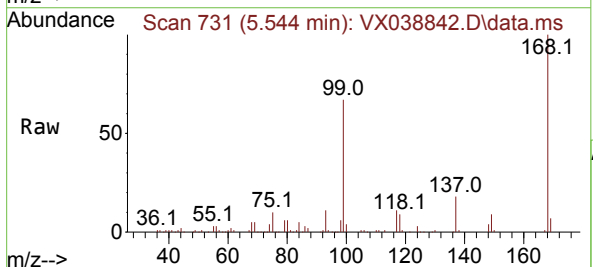


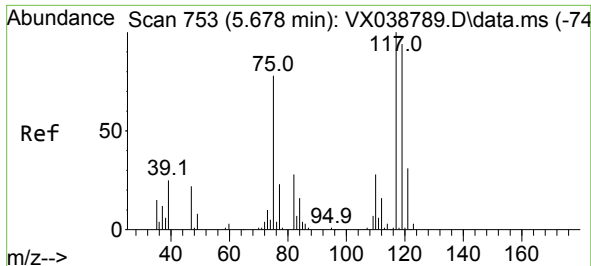
Tgt Ion:113 Resp: 91541
Ion Ratio Lower Upper
113 100
111 103.8 82.9 124.3
192 16.2 13.3 19.9



#36
1,1-Dichloropropene
Concen: 4.282 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX038842.D
Acq: 16 Nov 2023 16:59

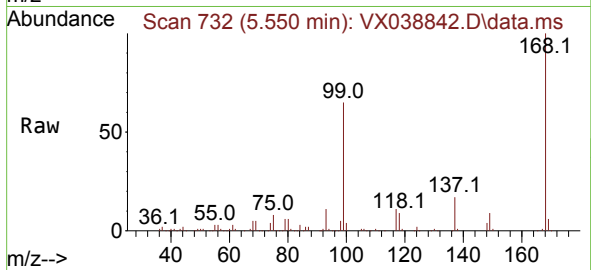
Tgt Ion: 75 Resp: 12721
Ion Ratio Lower Upper
75 100
110 12.5 17.0 50.9#
77 0.0 24.7 37.1#



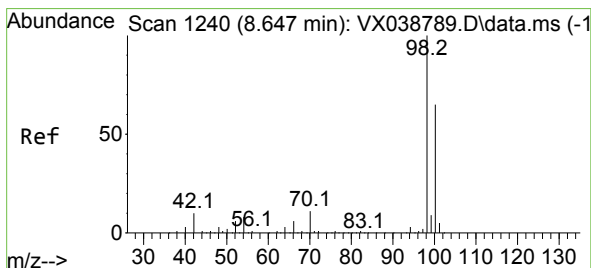
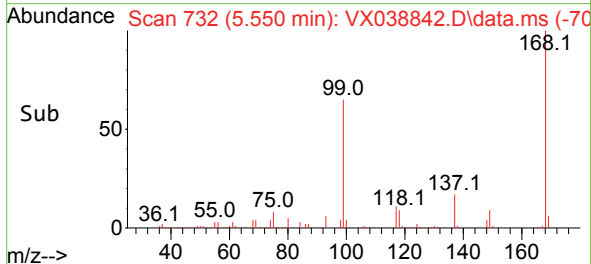
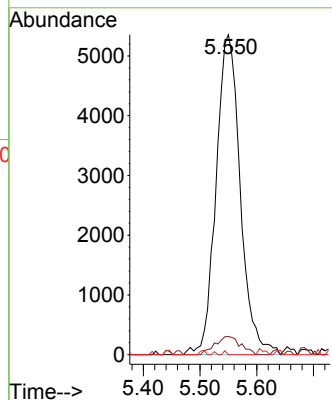


#38
Carbon Tetrachloride
Concen: 5.778 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX038842.D
Acq: 16 Nov 2023 16:59

Instrument :
MSVOA_X
ClientSampleId :

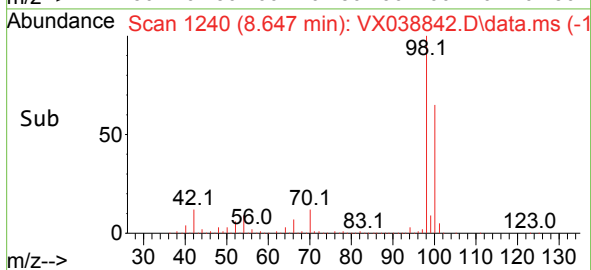
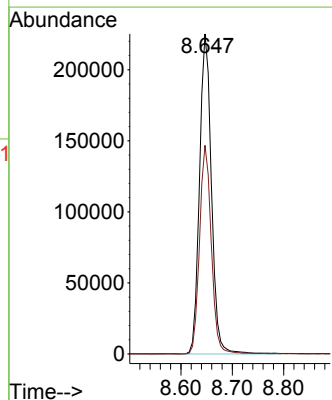
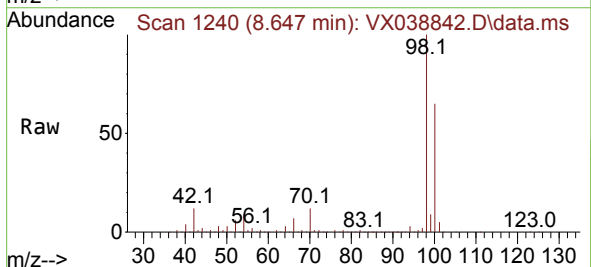


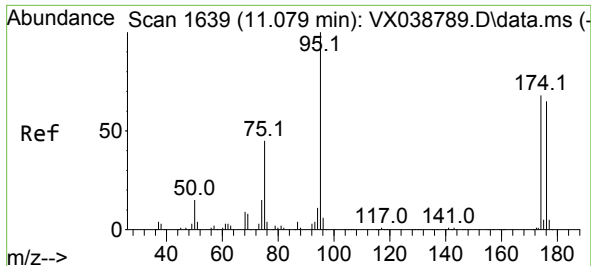
Tgt Ion:117 Resp: 15866
Ion Ratio Lower Upper
117 100
119 5.7 78.2 117.2#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 45.582 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX038842.D
Acq: 16 Nov 2023 16:59

Tgt Ion: 98 Resp: 361527
Ion Ratio Lower Upper
98 100
100 64.3 53.1 79.7

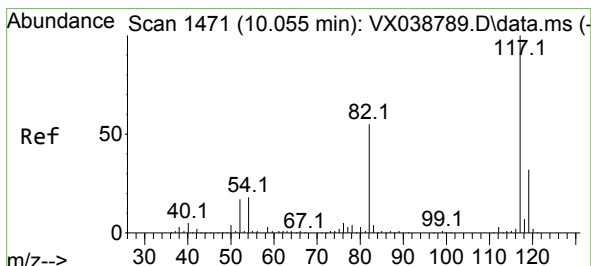
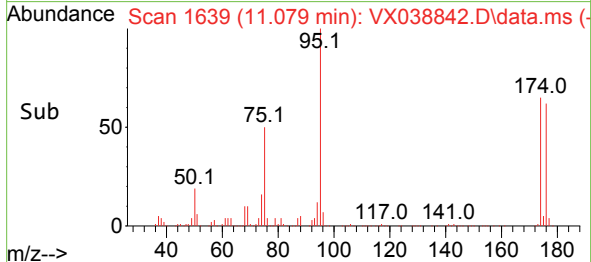
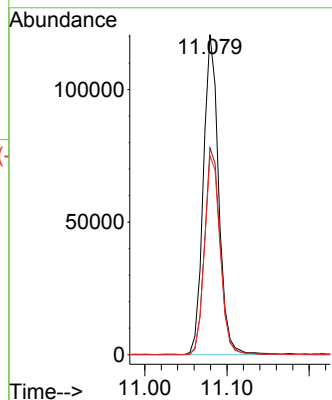
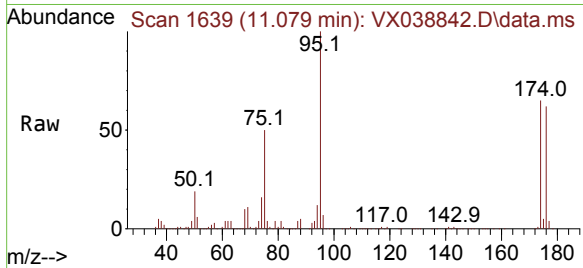




#62
4-Bromofluorobenzene
Concen: 48.985 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX038842.D
Acq: 16 Nov 2023 16:59

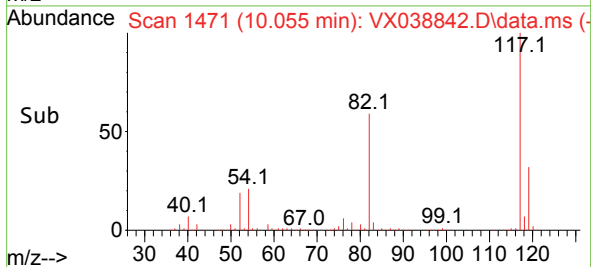
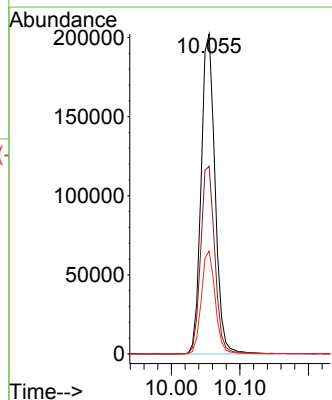
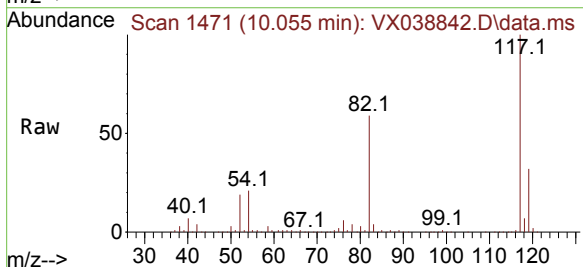
Instrument :
MSVOA_X
ClientSampleId :

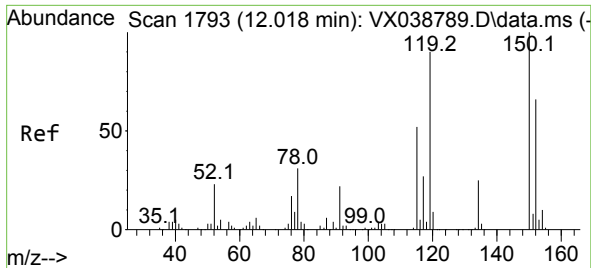
Tgt Ion: 95 Resp: 155525
Ion Ratio Lower Upper
95 100
174 65.9 0.0 135.6
176 64.0 0.0 131.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX038842.D
Acq: 16 Nov 2023 16:59

Tgt Ion: 117 Resp: 286800
Ion Ratio Lower Upper
117 100
82 58.5 46.2 69.4
119 32.2 25.5 38.3

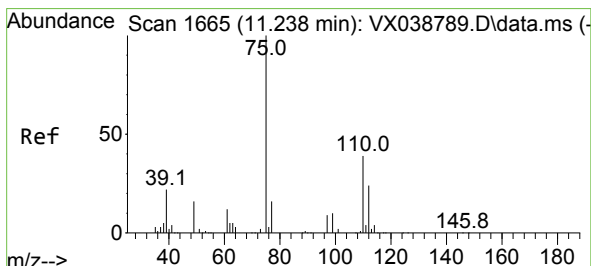
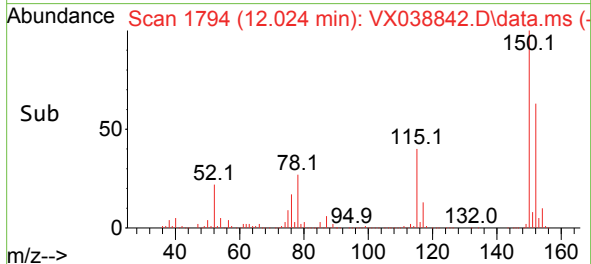
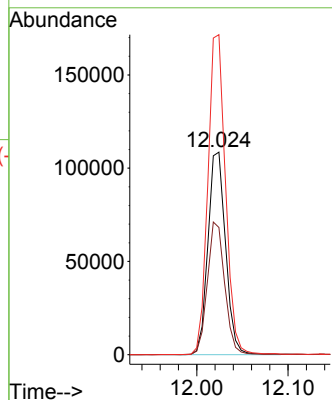
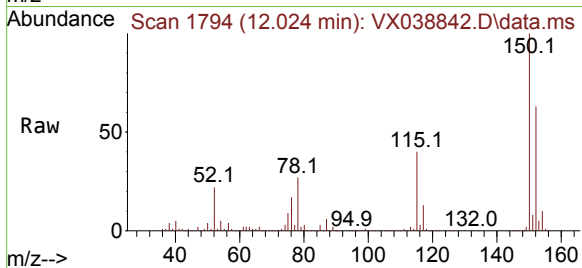




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX038842.D
 Acq: 16 Nov 2023 16:59

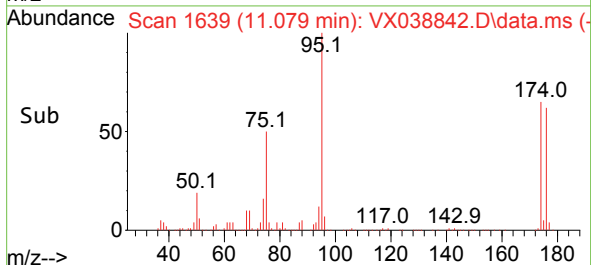
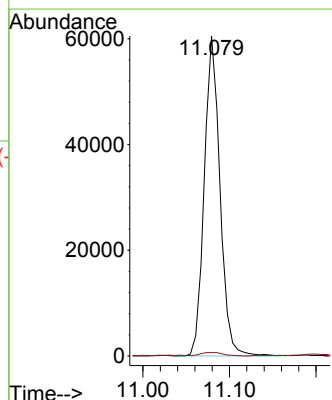
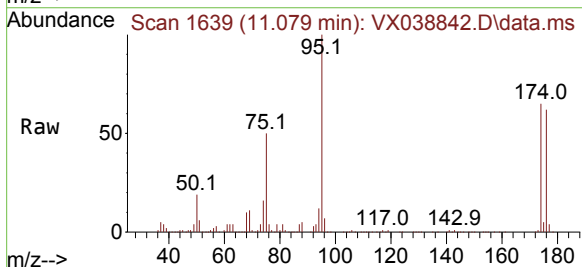
Instrument :
 MSVOA_X
 ClientSampleId :

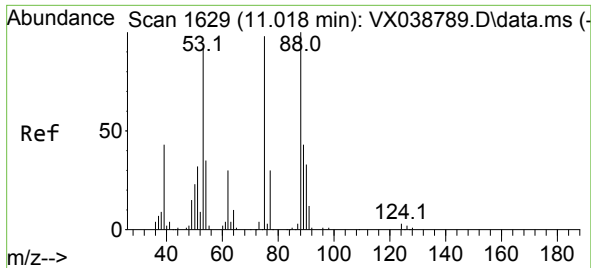
Tgt Ion:152 Resp: 145420
 Ion Ratio Lower Upper
 152 100
 115 64.3 43.3 129.9
 150 157.6 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 21.037 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX038842.D
 Acq: 16 Nov 2023 16:59

Tgt Ion: 75 Resp: 76328
 Ion Ratio Lower Upper
 75 100
 77 1.6 19.1 57.5#

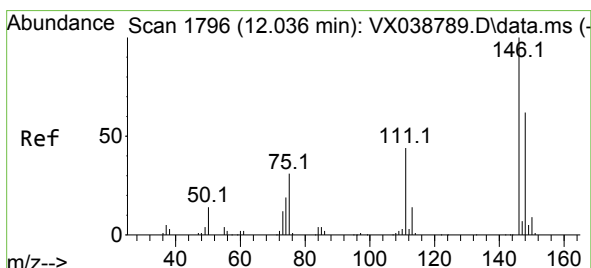
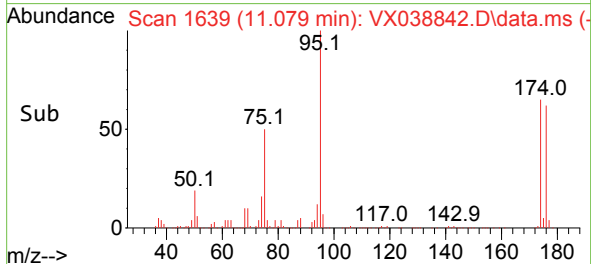
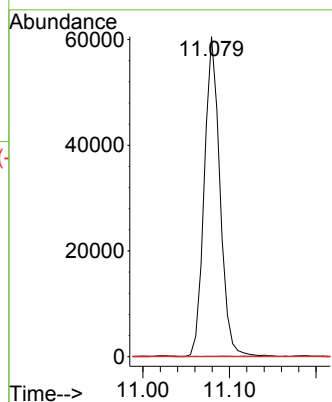
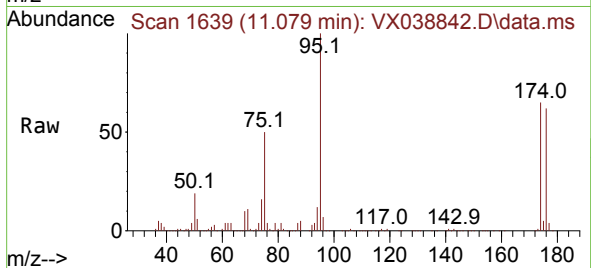




#81
trans-1,4-Dichloro-2-butene
Concen: 46.663 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX038842.D
Acq: 16 Nov 2023 16:59

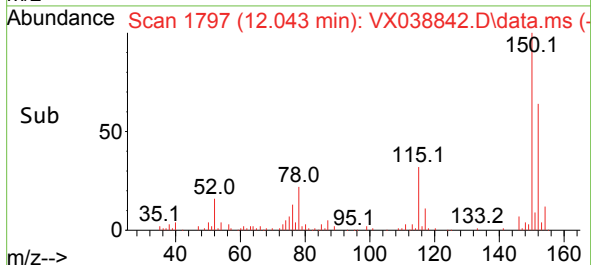
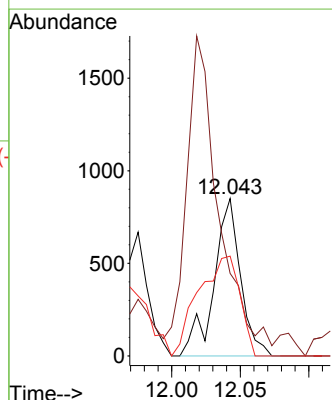
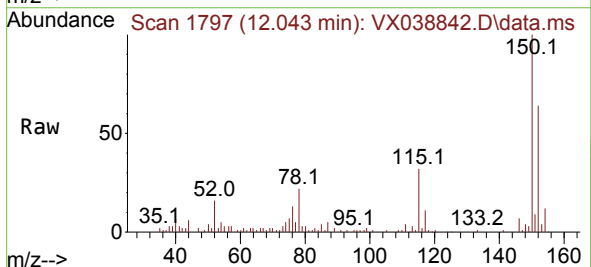
Instrument :
MSVOA_X
ClientSampleId :

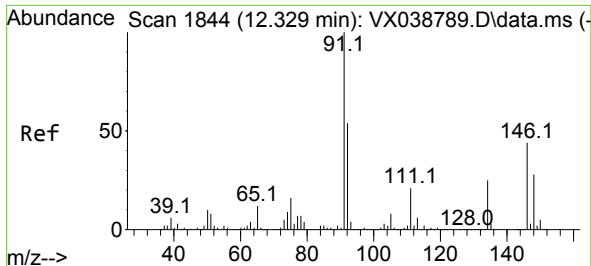
Tgt Ion: 75 Resp: 76328
Ion Ratio Lower Upper
75 100
53 0.1 90.5 135.7#
89 0.0 36.9 55.3#



#88
1,4-Dichlorobenzene
Concen: 0.225 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX038842.D
Acq: 16 Nov 2023 16:59

Tgt Ion:146 Resp: 1148
Ion Ratio Lower Upper
146 100
111 0.0 21.3 63.7#
148 97.9 31.8 95.4#





#89

n-Butylbenzene

Concen: 0.218 ug/l

RT: 12.335 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX038842.D

Acq: 16 Nov 2023 16:59

Instrument :

MSVOA_X

ClientSampleId :

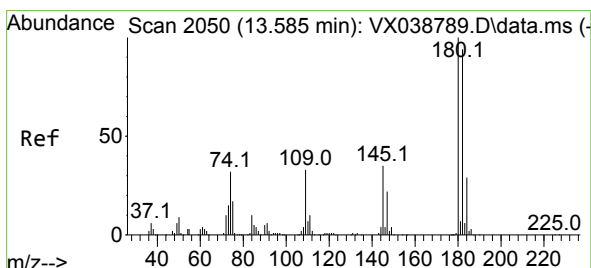
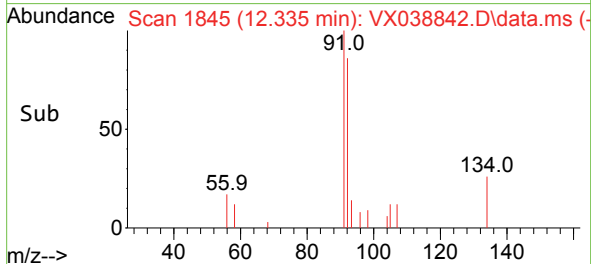
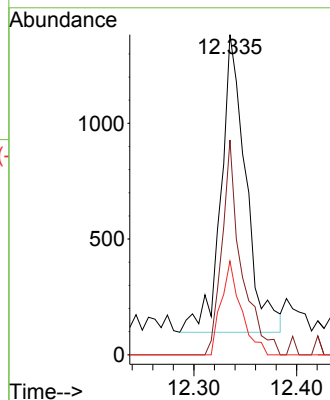
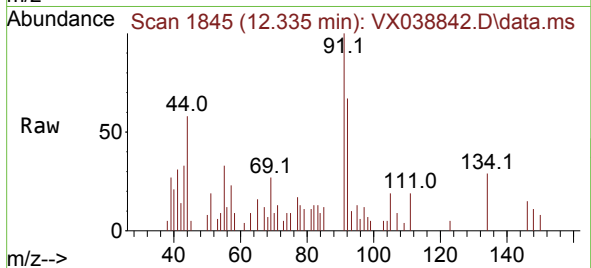
Tgt Ion: 91 Resp: 2167

Ion Ratio Lower Upper

91 100

92 55.9 27.4 82.0

134 25.1 12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.368 ug/l

RT: 13.597 min Scan# 2052

Delta R.T. 0.012 min

Lab File: VX038842.D

Acq: 16 Nov 2023 16:59

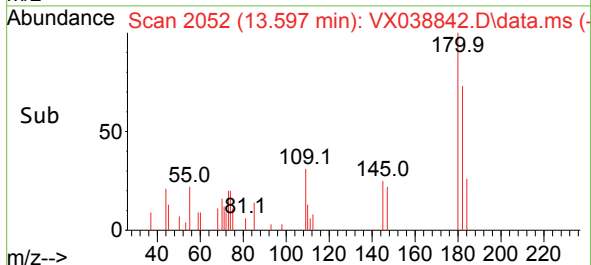
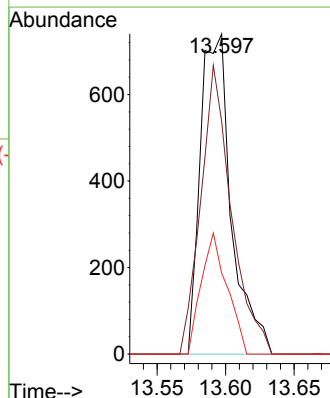
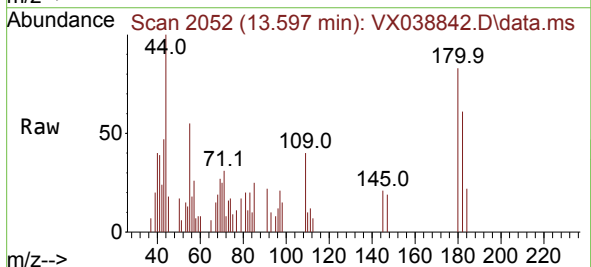
Tgt Ion: 180 Resp: 1165

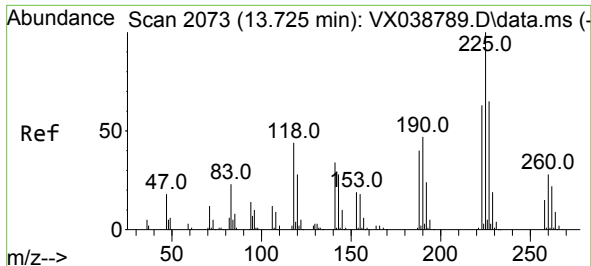
Ion Ratio Lower Upper

180 100

182 89.0 48.3 144.8

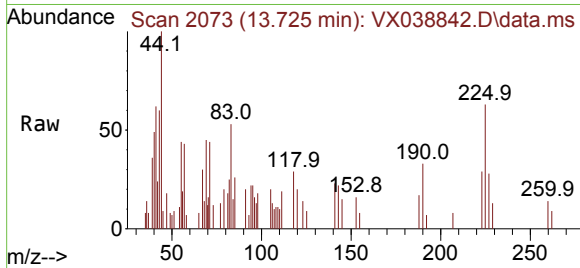
145 31.5 18.0 54.0



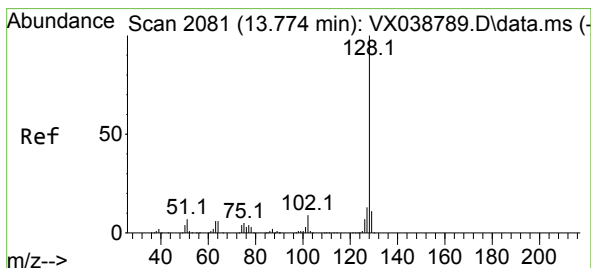
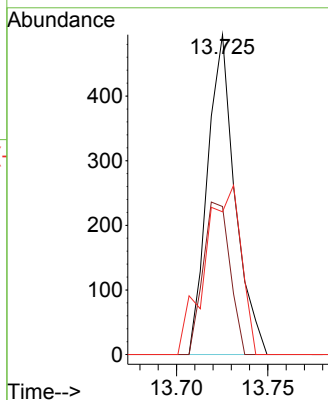
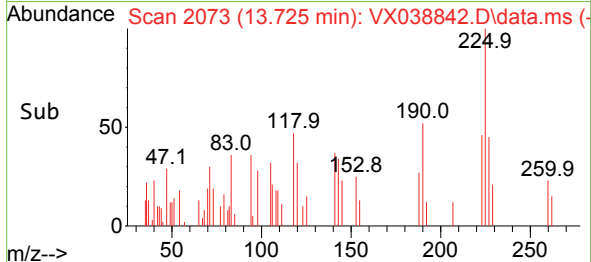


#94
Hexachlorobutadiene
Concen: 0.463 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX038842.D
Acq: 16 Nov 2023 16:59

Instrument :
MSVOA_X
ClientSampleId :

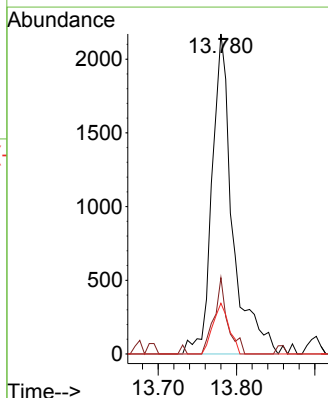
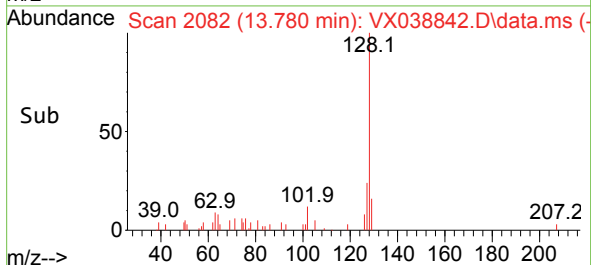
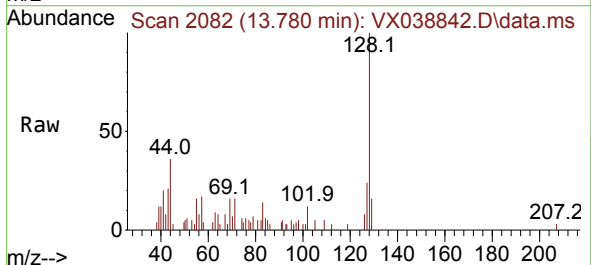


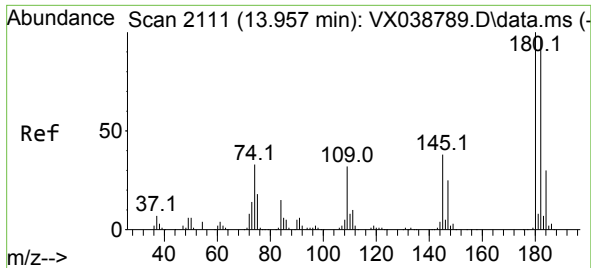
Tgt Ion:	225	Resp:	519
Ion Ratio	Lower	Upper	
225	100		
223	46.6	31.1	93.2
227	69.6	32.5	97.5



#95
Naphthalene
Concen: 0.337 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX038842.D
Acq: 16 Nov 2023 16:59

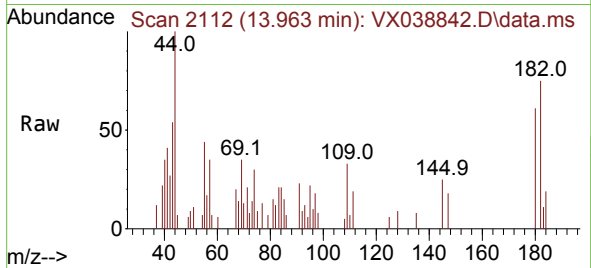
Tgt Ion:	128	Resp:	3975
Ion Ratio	Lower	Upper	
128	100		
127	15.4	10.3	15.5
129	12.4	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.244 ug/l
 RT: 13.963 min Scan# 2112
 Delta R.T. 0.006 min
 Lab File: VX038842.D
 Acq: 16 Nov 2023 16:59

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180 Resp: 732
 Ion Ratio Lower Upper
 180 100
 182 113.3 46.9 140.6
 145 56.8 17.8 53.5#

