

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020724\
 Data File : VX040148.D
 Acq On : 07 Feb 2024 12:46
 Operator : JC/MD
 Sample : VX0207WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0207WBL01

Quant Time: Feb 07 15:22:51 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 01 05:44:39 2024
 Response via : Initial Calibration

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

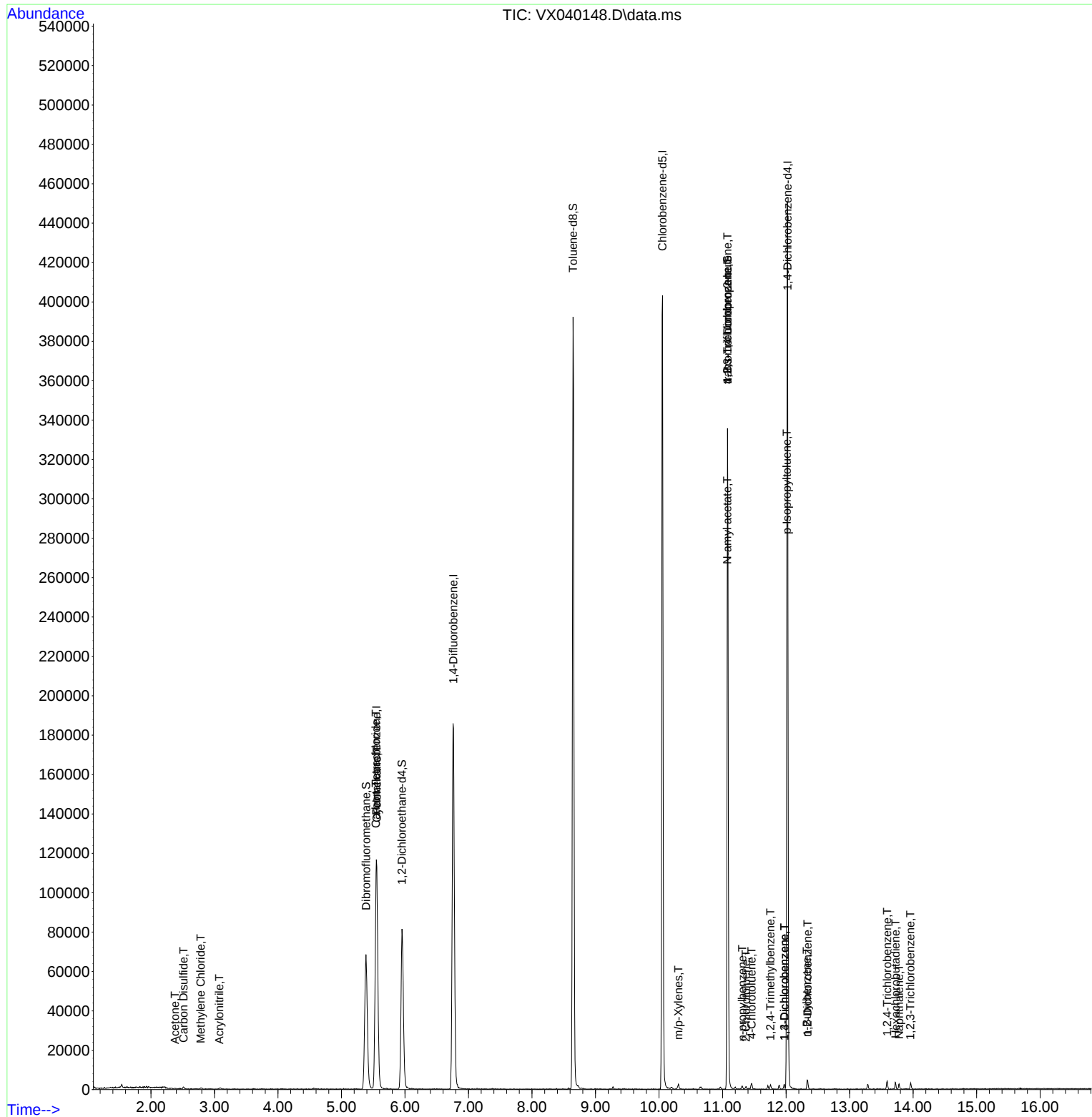
Internal Standards						
1) Pentafluorobenzene	5.550	168	106919	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	189692	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	181315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	75329	43.777	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	87.560%		
35) Dibromofluoromethane	5.385	113	58953	45.654	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	91.300%		
50) Toluene-d8	8.647	98	232540	48.154	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.300%		
62) 4-Bromofluorobenzene	11.079	95	89886	48.340	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	96.680%		
Target Compounds						Qvalue
15) Acrylonitrile	3.074	53	275	0.352	ug/l #	53
16) Acetone	2.379	43	366	0.454	ug/l #	47
17) Carbon Disulfide	2.514	76	1156	0.329	ug/l	98
20) Methylene Chloride	2.782	84	325	0.227	ug/l #	59
31) Cyclohexane	5.556	56	3189	1.480	ug/l #	18
38) Carbon Tetrachloride	5.543	117	11139	6.234	ug/l #	17
68) m/p-Xylenes	10.305	106	664	0.262	ug/l	88
74) N-amyl acetate	11.073	43	68	0.221	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	46613	24.075	ug/l #	38
78) n-propylbenzene	11.311	91	1644	0.205	ug/l	98
79) 2-Chlorotoluene	11.366	91	971	0.201	ug/l	91
81) trans-1,4-Dichloro-2-b...	11.079	75	46613	71.614	ug/l #	5
82) 4-Chlorotoluene	11.457	91	1494	0.269	ug/l	93
84) 1,2,4-Trimethylbenzene	11.756	105	1299	0.232	ug/l	90
86) p-Isopropyltoluene	12.012	119	1295	0.223	ug/l #	68
87) 1,3-Dichlorobenzene	11.975	146	863	0.284	ug/l	96
88) 1,4-Dichlorobenzene	11.975	146	863	0.277	ug/l	95
89) n-Butylbenzene	12.329	91	1653	0.293	ug/l	94
90) Hexachloroethane	12.536	117	56	Below Cal		67
91) 1,2-Dichlorobenzene	12.341	146	703	0.240	ug/l	91
93) 1,2,4-Trichlorobenzene	13.591	180	1079	0.589	ug/l	87
94) Hexachlorobutadiene	13.725	225	511	0.708	ug/l	90
95) Naphthalene	13.780	128	2182	0.351	ug/l #	91
96) 1,2,3-Trichlorobenzene	13.957	180	977	0.540	ug/l	81

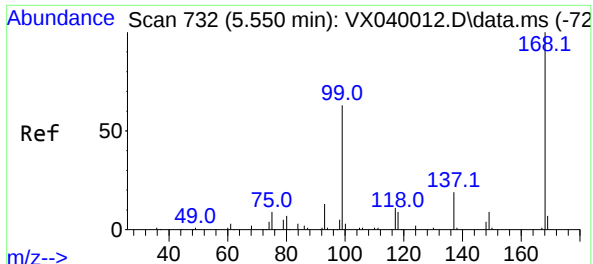
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :
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Quant Time: Feb 07 15:22:51 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X013024W.M
Quant Title : SW846 8260
QLast Update : Thu Feb 01 05:44:39 2024
Response via : Initial Calibration

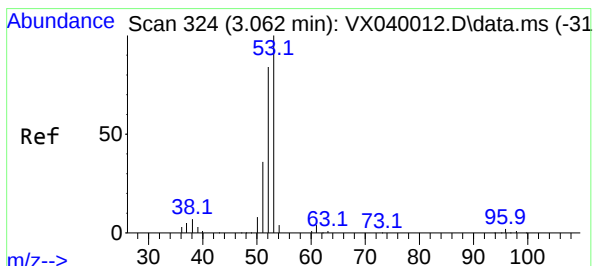
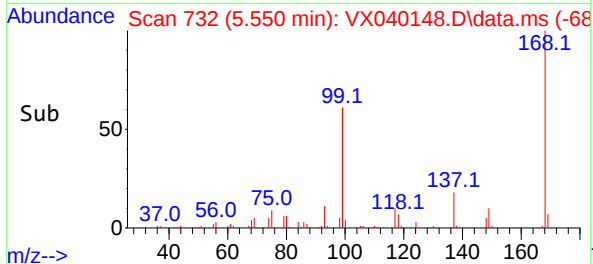
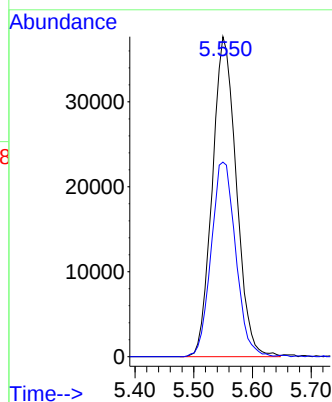
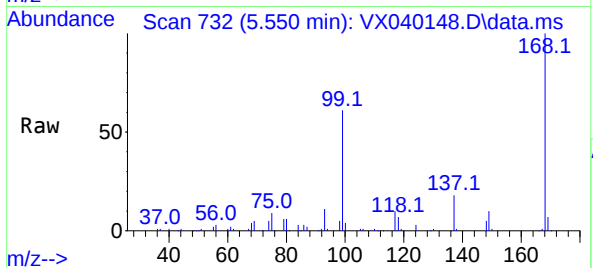




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

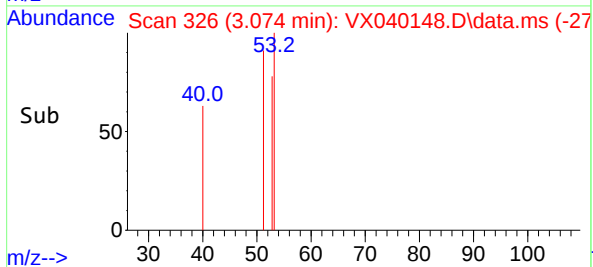
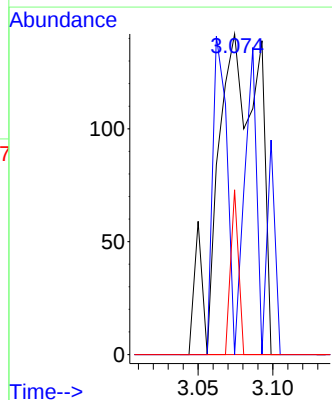
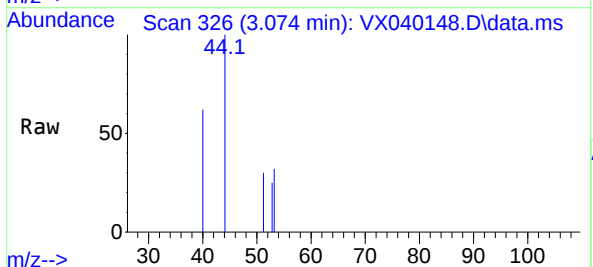
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBL01

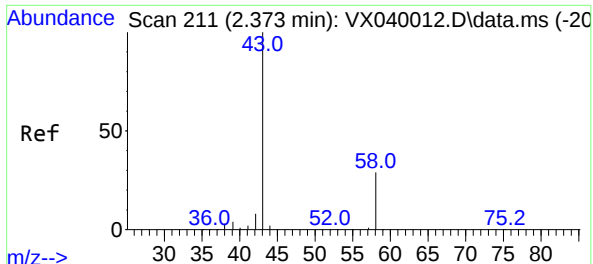
Tgt Ion:168 Resp: 106919
Ion Ratio Lower Upper
168 100
99 60.8 56.6 85.0



#15
Acrylonitrile
Concen: 0.352 ug/l
RT: 3.074 min Scan# 326
Delta R.T. 0.012 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

Tgt Ion: 53 Resp: 275
Ion Ratio Lower Upper
53 100
52 40.4 66.0 99.0#
51 9.8 29.8 44.6#

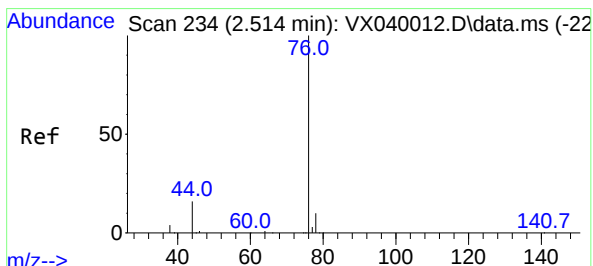
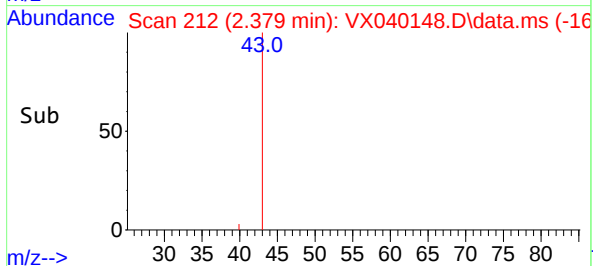
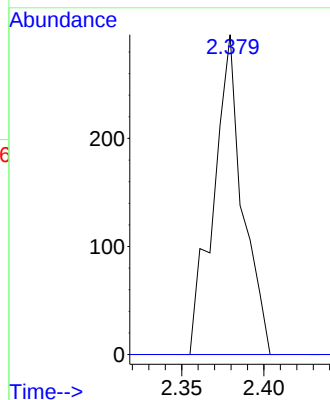
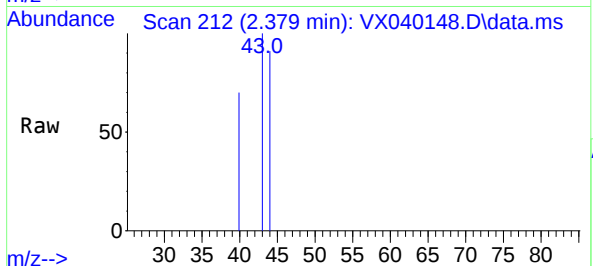




#16
Acetone
Concen: 0.454 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

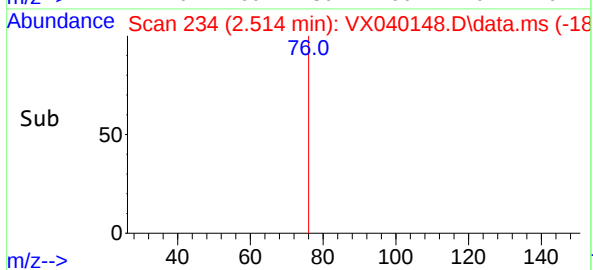
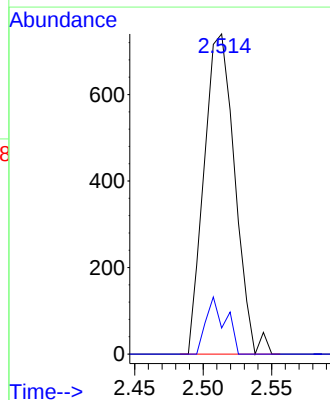
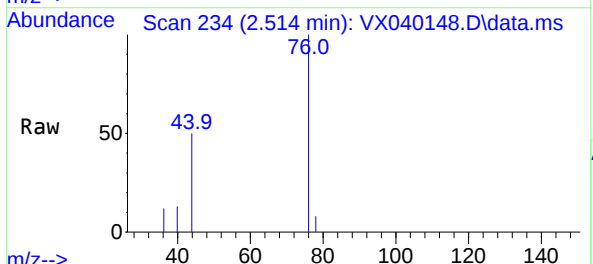
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBL01

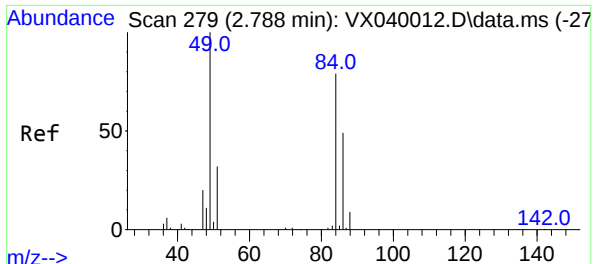
Tgt Ion: 43 Resp: 366
Ion Ratio Lower Upper
43 100
58 0.0 21.9 32.9#



#17
Carbon Disulfide
Concen: 0.329 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

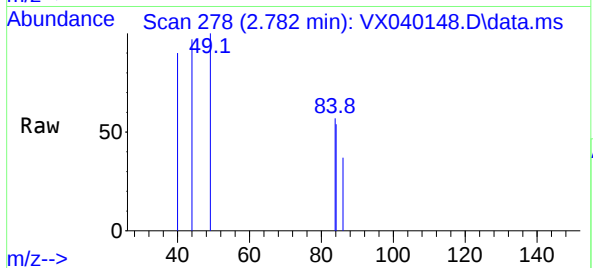
Tgt Ion: 76 Resp: 1156
Ion Ratio Lower Upper
76 100
78 8.1 7.0 10.6





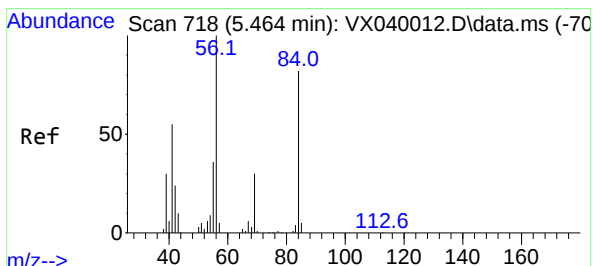
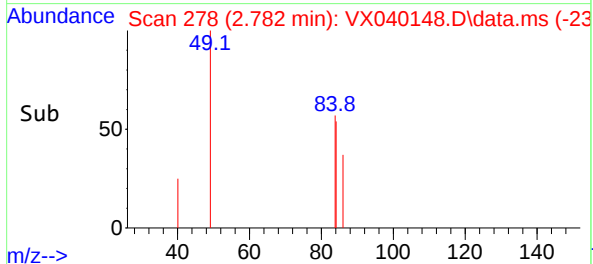
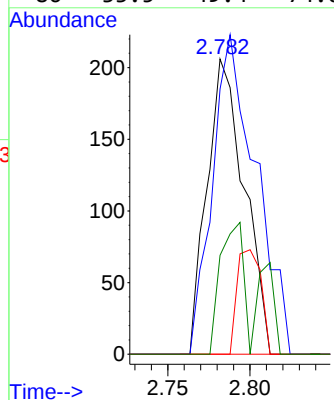
#20
Methylene Chloride
Concen: 0.227 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBL01



Tgt Ion: 84 Resp: 325

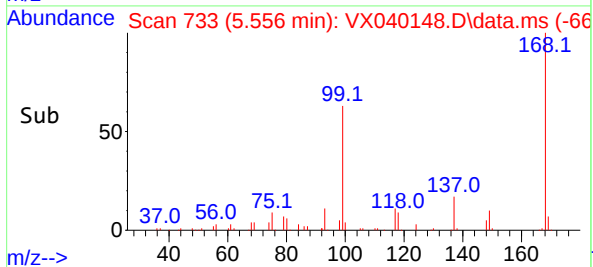
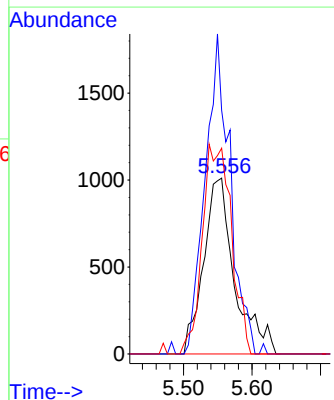
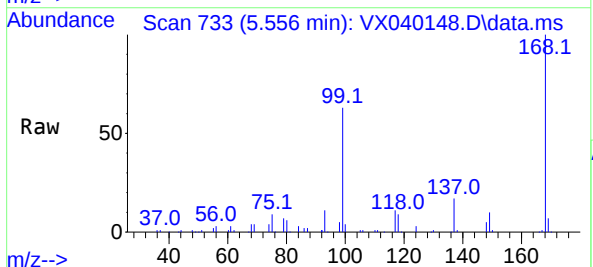
Ion	Ratio	Lower	Upper
84	100		
49	89.8	103.6	155.4#
51	0.0	33.8	50.6#
86	33.5	49.4	74.0#

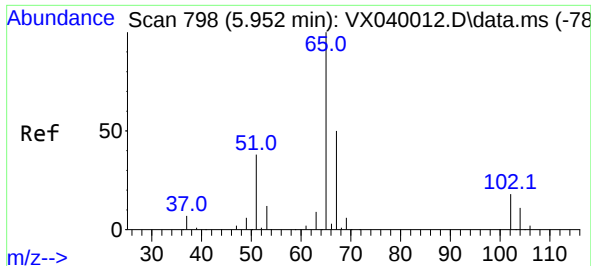


#31
Cyclohexane
Concen: 1.480 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.091 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

Tgt Ion: 56 Resp: 3189

Ion	Ratio	Lower	Upper
56	100		
69	138.6	23.4	35.2#
84	117.0	65.9	98.9#

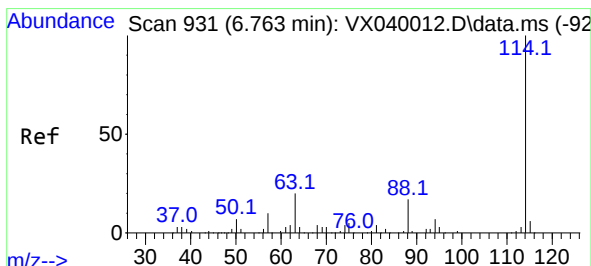
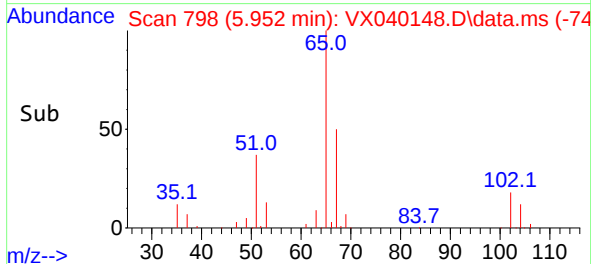
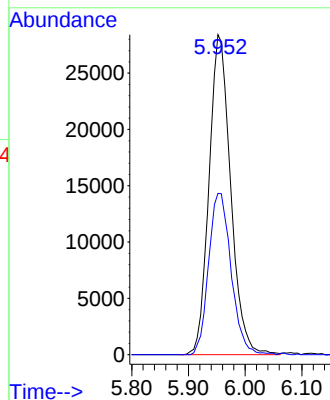
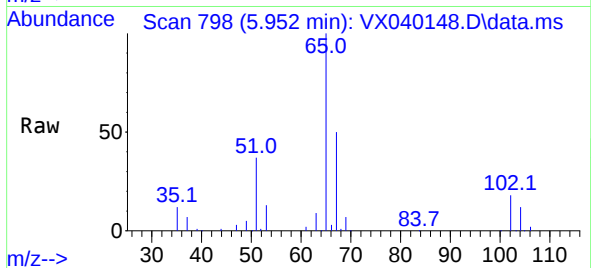




#33
1,2-Dichloroethane-d4
Concen: 43.777 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

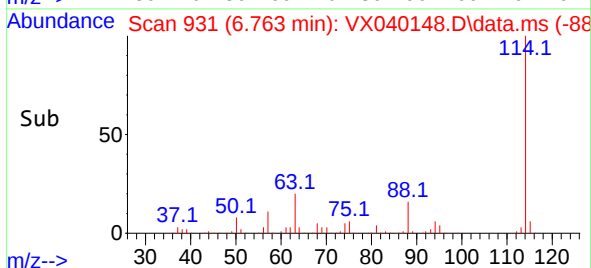
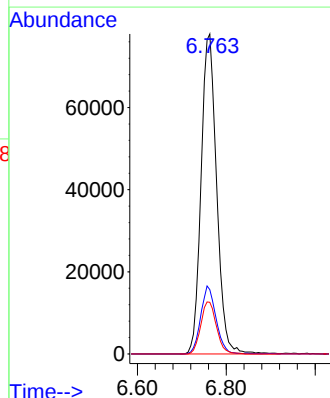
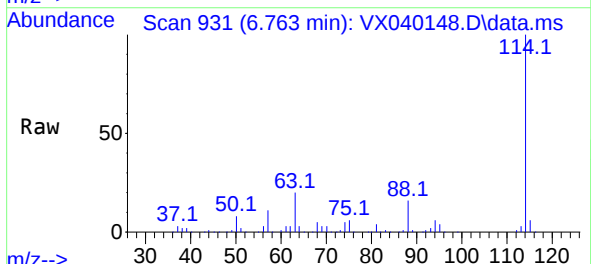
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBL01

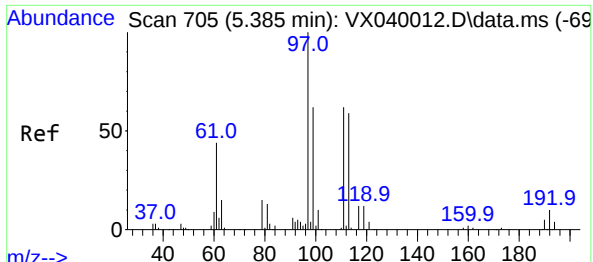
Tgt Ion: 65 Resp: 75329
Ion Ratio Lower Upper
65 100
67 52.3 0.0 100.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

Tgt Ion: 114 Resp: 189692
Ion Ratio Lower Upper
114 100
63 20.1 0.0 45.0
88 16.2 0.0 36.6

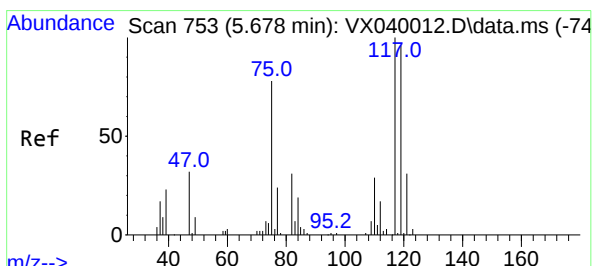
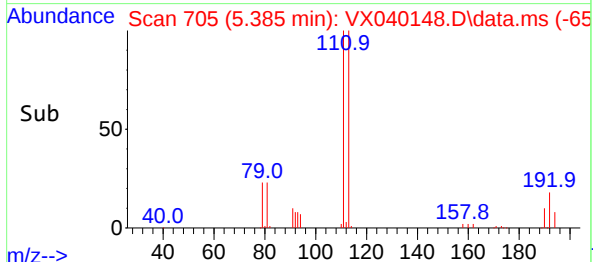
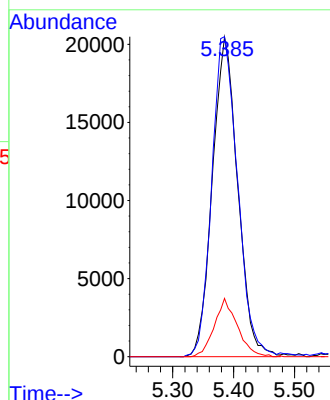
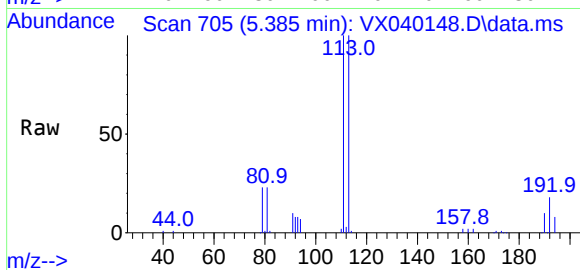




#35
Dibromofluoromethane
Concen: 45.654 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.000 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

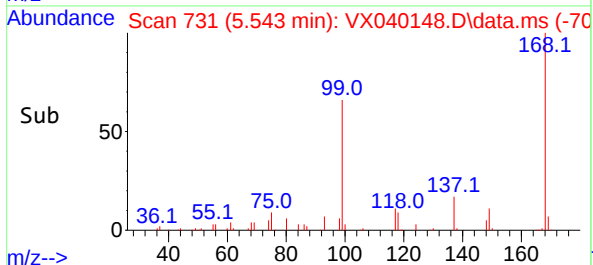
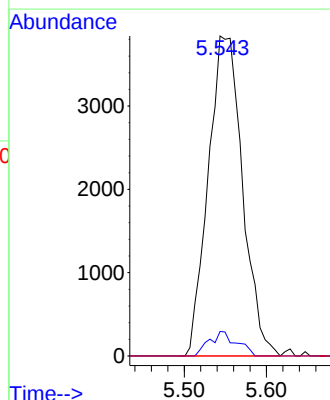
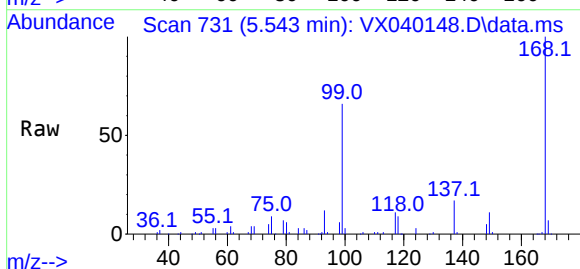
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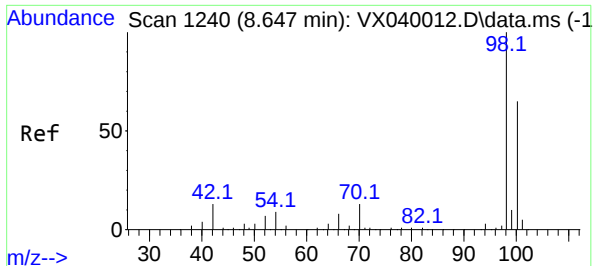
Tgt Ion:	113	Resp:	58953
Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.9	124.3
192	16.6	13.3	19.9



#38
Carbon Tetrachloride
Concen: 6.234 ug/l
RT: 5.543 min Scan# 731
Delta R.T. -0.134 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

Tgt Ion:	117	Resp:	11139
Ion	Ratio	Lower	Upper
117	100		
119	7.7	78.2	117.2#
121	0.0	24.4	36.6#





#50

Toluene-d8

Concen: 48.154 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX040148.D

Acq: 07 Feb 2024 12:46

Instrument :

MSVOA_X

ClientSampleId :

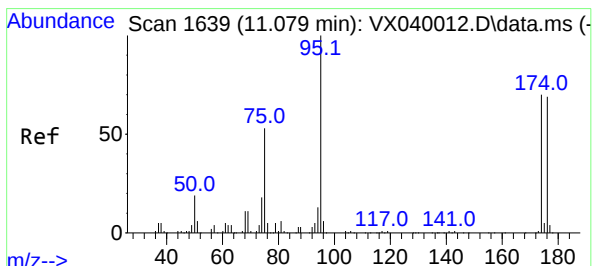
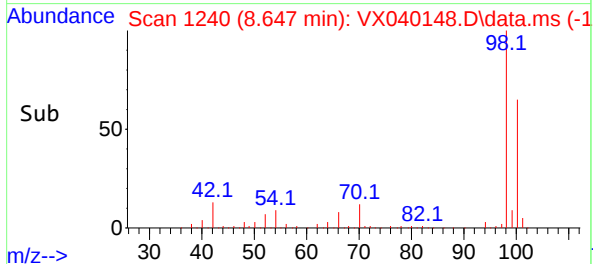
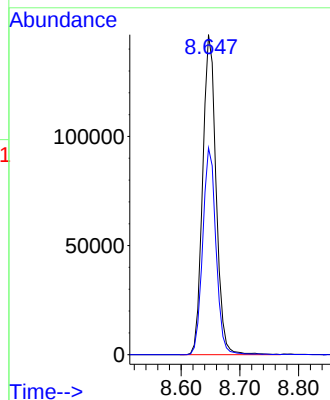
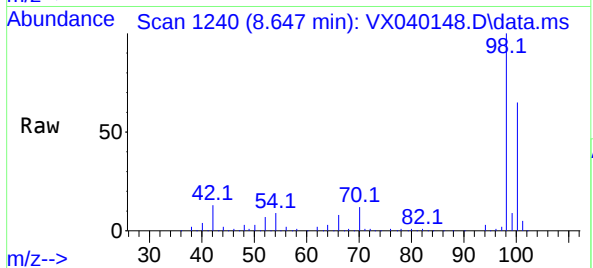
VX0207WBL01

Tgt Ion: 98 Resp: 232540

Ion Ratio Lower Upper

98 100

100 64.1 53.1 79.7



#62

4-Bromofluorobenzene

Concen: 48.340 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX040148.D

Acq: 07 Feb 2024 12:46

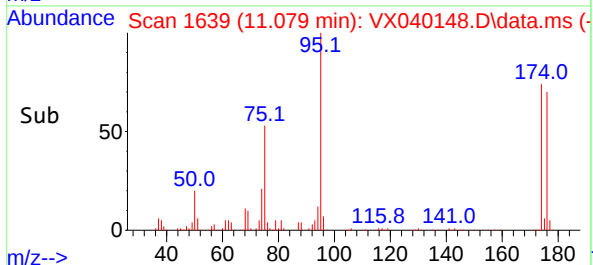
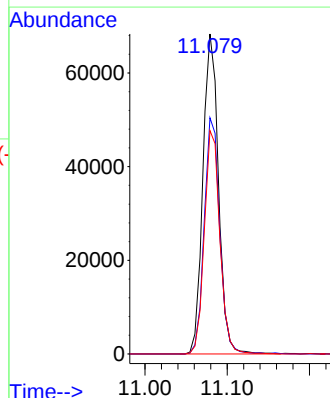
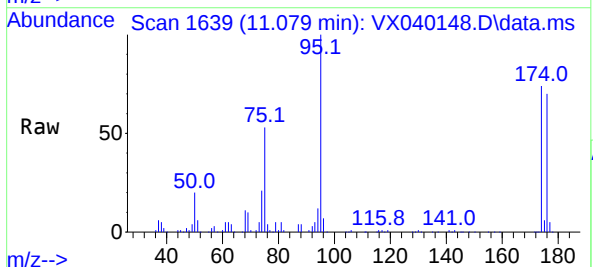
Tgt Ion: 95 Resp: 89886

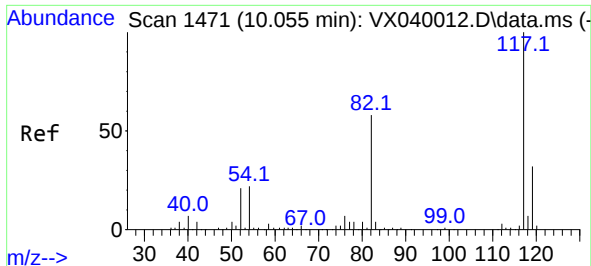
Ion Ratio Lower Upper

95 100

174 73.4 0.0 135.6

176 69.7 0.0 131.0

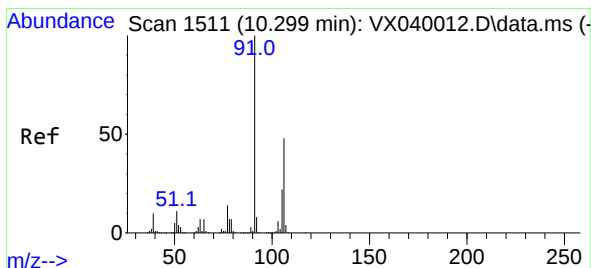
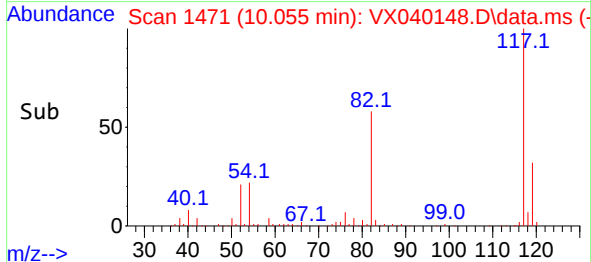
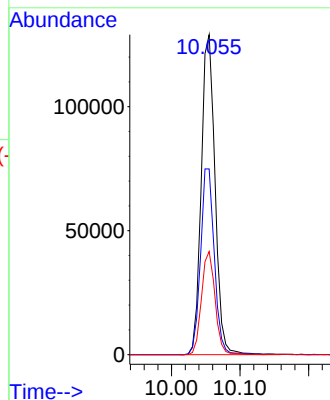
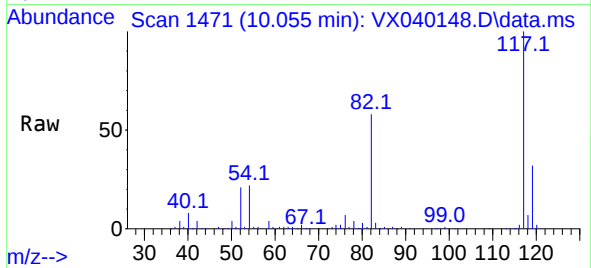




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

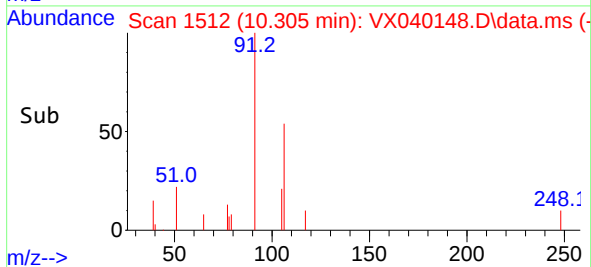
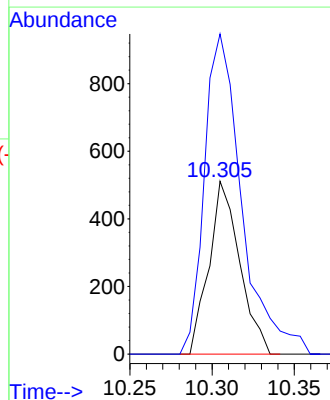
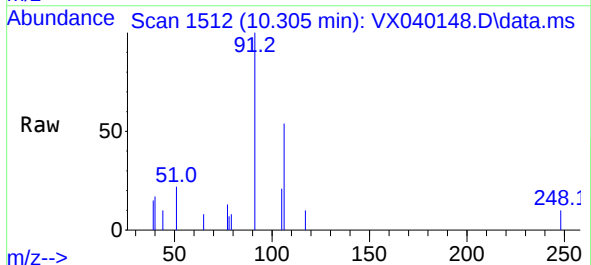
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBL01

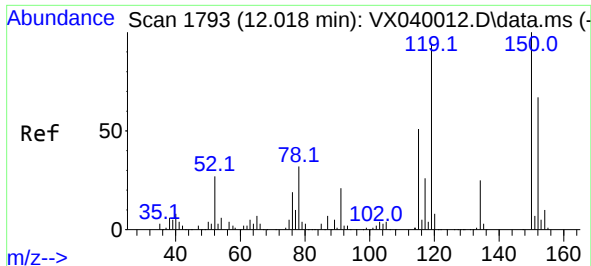
Tgt Ion:117 Resp: 181315
Ion Ratio Lower Upper
117 100
82 58.1 46.2 69.4
119 32.3 25.5 38.3



#68
m/p-Xylenes
Concen: 0.262 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

Tgt Ion:106 Resp: 664
Ion Ratio Lower Upper
106 100
91 225.5 165.5 248.3

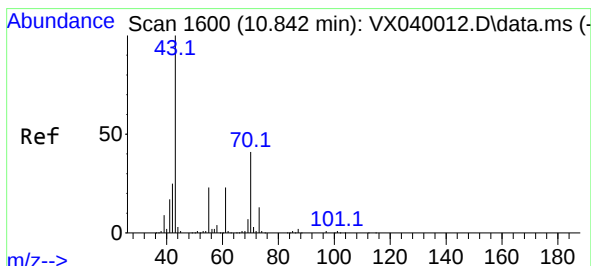
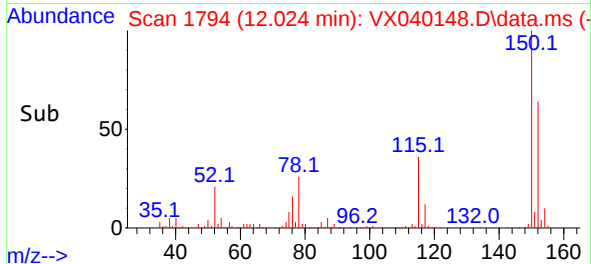
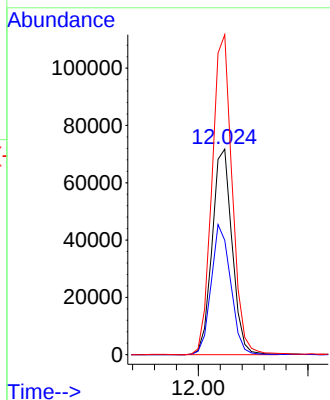
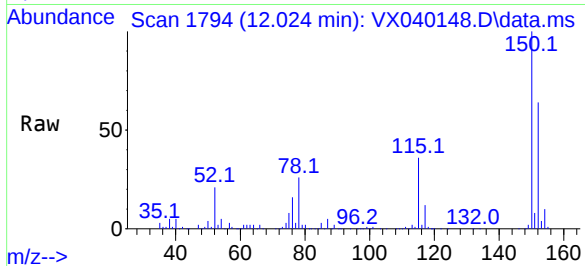




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

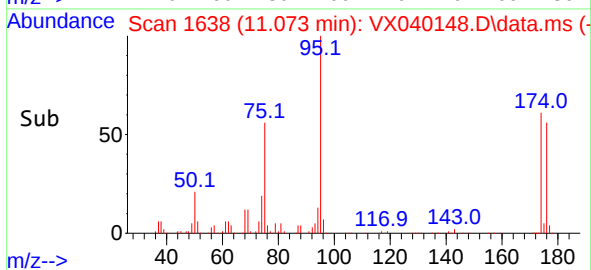
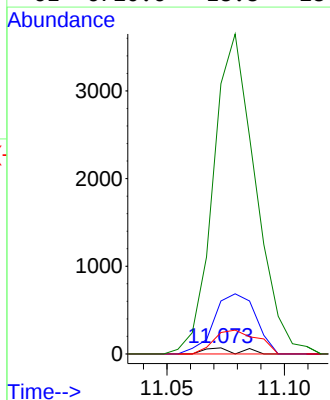
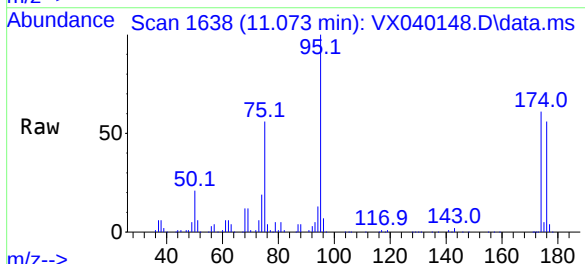
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBL01

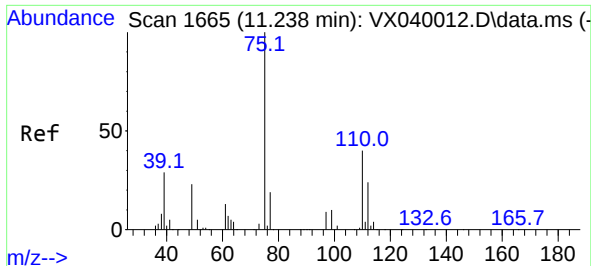
Tgt Ion:152 Resp: 90920
Ion Ratio Lower Upper
152 100
115 61.9 43.3 129.9
150 157.2 0.0 345.0



#74
N-ethyl acetate
Concen: 0.221 ug/l
RT: 11.073 min Scan# 1638
Delta R.T. 0.231 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

Tgt Ion: 43 Resp: 68
Ion Ratio Lower Upper
43 100
70 1254.4 32.9 49.3#
55 514.7 19.3 28.9#
61 6720.6 18.8 28.2#

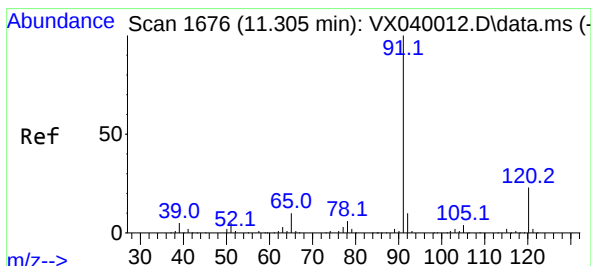
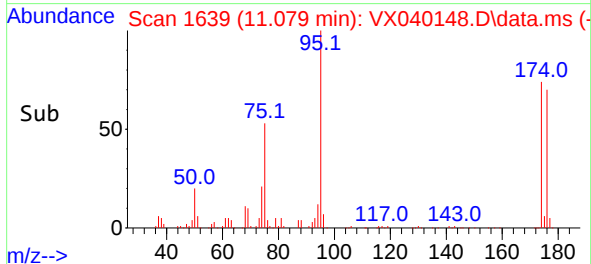
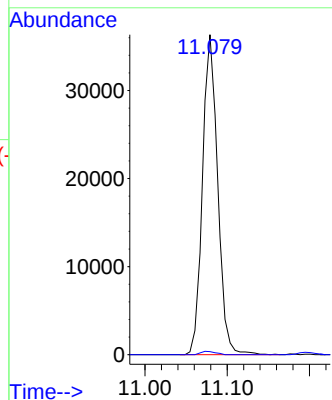
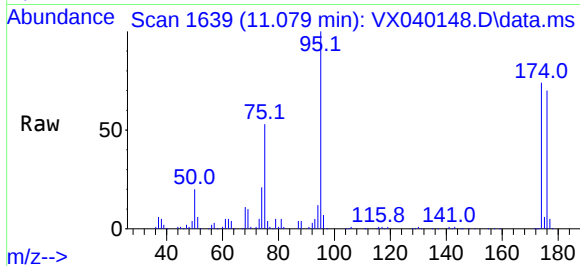




#76
1,2,3-Trichloropropane
Concen: 24.075 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

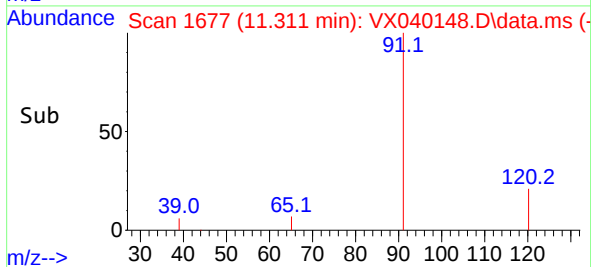
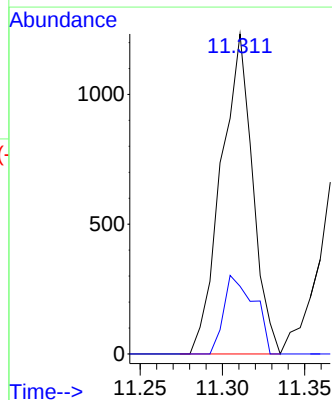
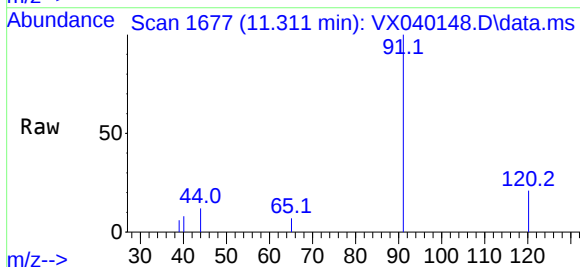
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBL01

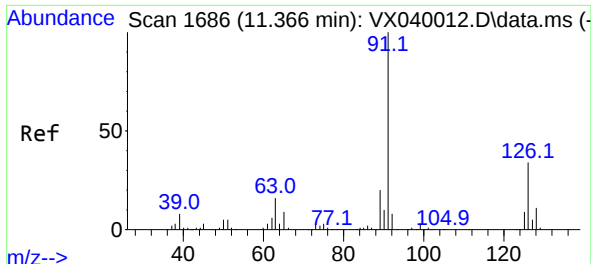
Tgt Ion: 75 Resp: 46613
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#78
n-propylbenzene
Concen: 0.205 ug/l
RT: 11.311 min Scan# 1677
Delta R.T. 0.006 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

Tgt Ion: 91 Resp: 1644
Ion Ratio Lower Upper
91 100
120 23.7 11.5 34.4

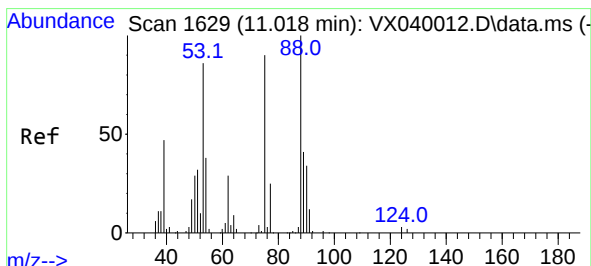
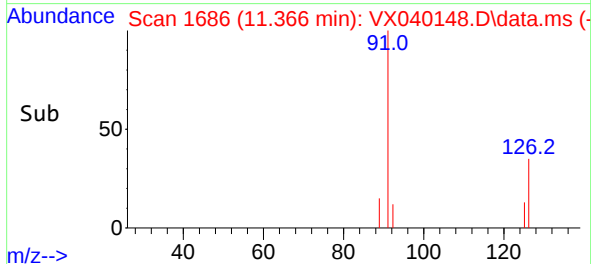
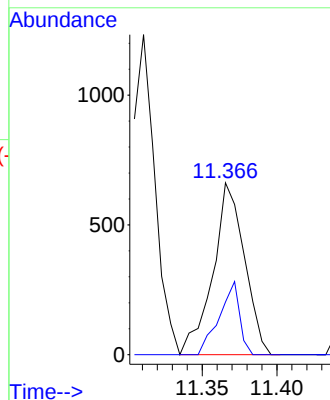
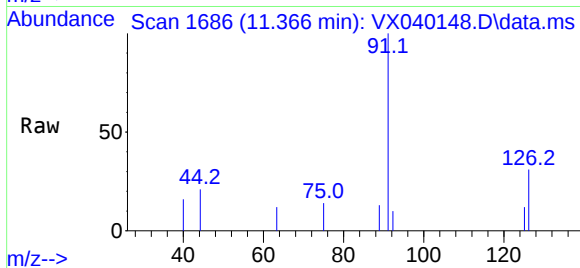




#79
2-Chlorotoluene
Concen: 0.201 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

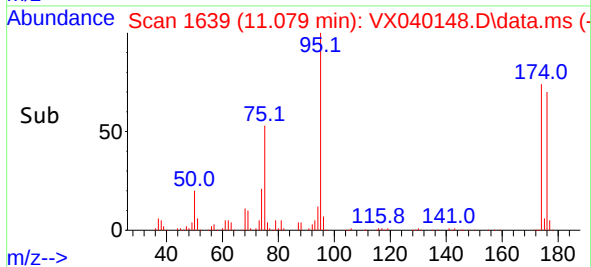
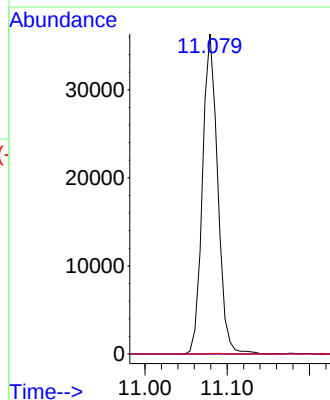
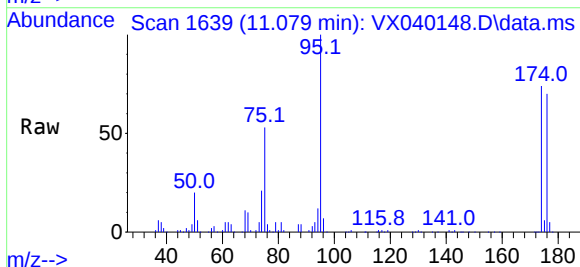
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBL01

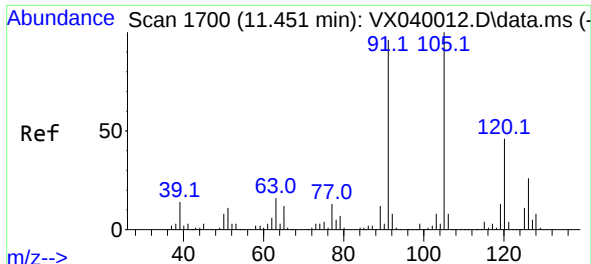
Tgt Ion: 91 Resp: 971
Ion Ratio Lower Upper
91 100
126 27.4 16.3 48.8



#81
trans-1,4-Dichloro-2-butene
Concen: 71.614 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

Tgt Ion: 75 Resp: 46613
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.1 36.9 55.3#

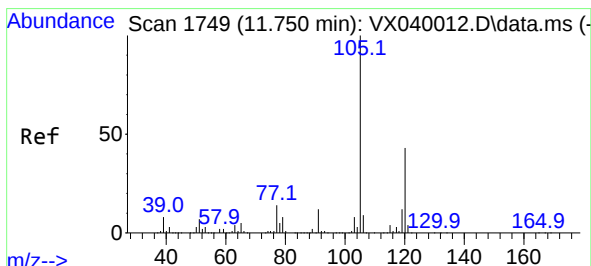
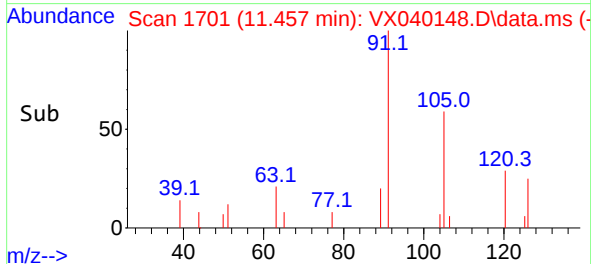
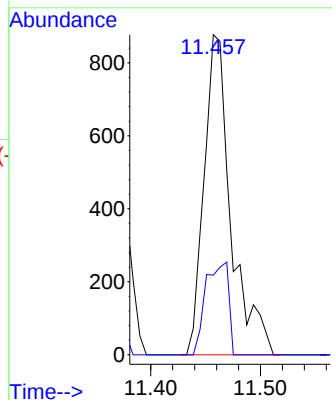
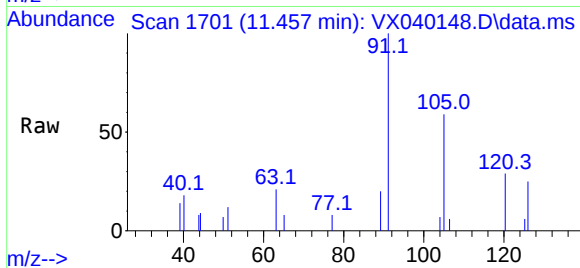




#82
4-Chlorotoluene
Concen: 0.269 ug/l
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

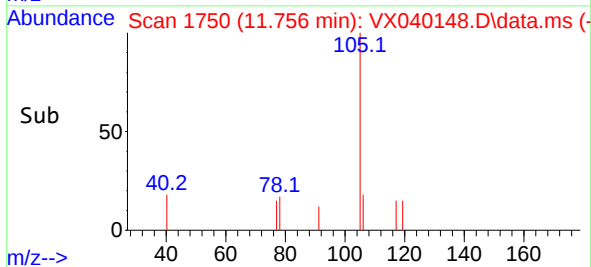
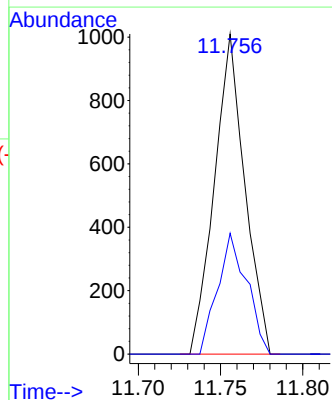
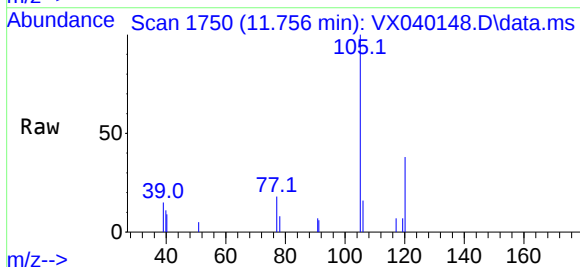
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBL01

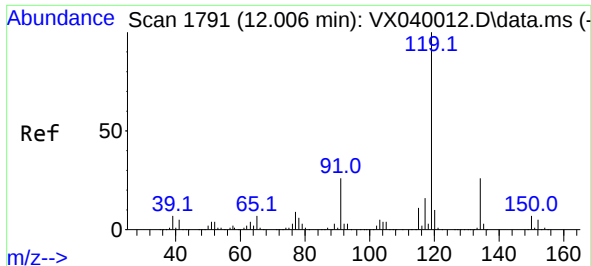
Tgt Ion: 91 Resp: 1494
Ion Ratio Lower Upper
91 100
126 24.5 14.2 42.6



#84
1,2,4-Trimethylbenzene
Concen: 0.232 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

Tgt Ion: 105 Resp: 1299
Ion Ratio Lower Upper
105 100
120 36.1 21.2 63.6



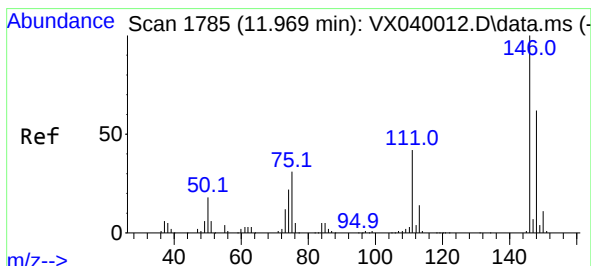
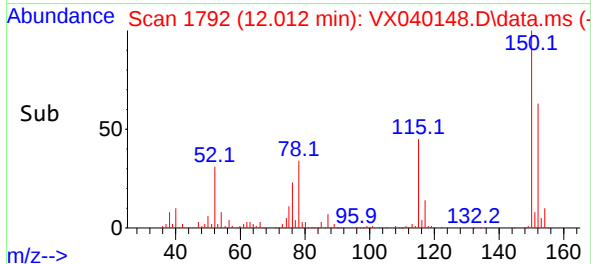
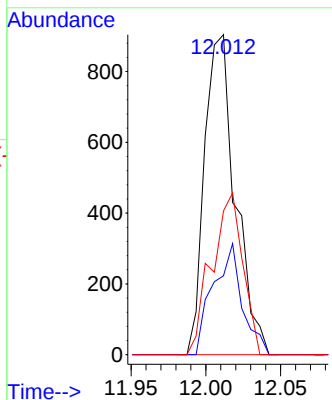
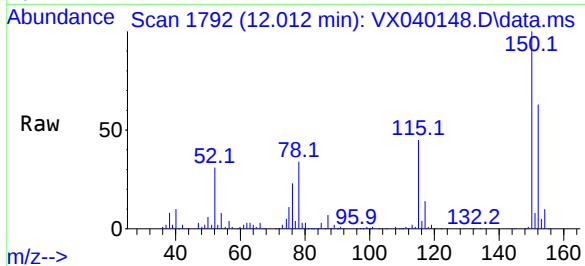


#86
p-Isopropyltoluene
Concen: 0.223 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBL01

Tgt Ion:119 Resp: 1295

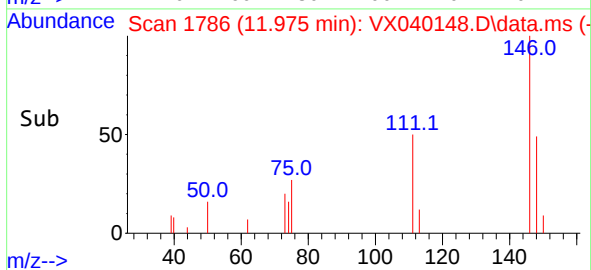
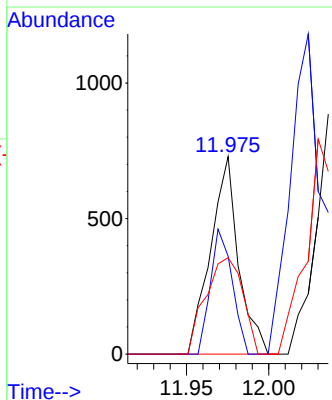
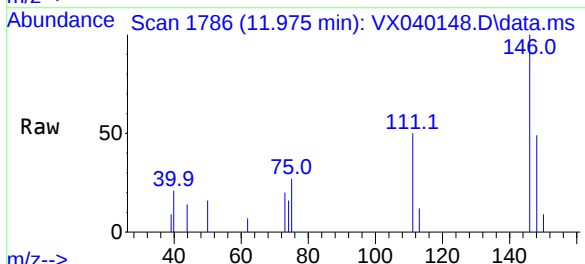
Ion	Ratio	Lower	Upper
119	100		
134	32.7	12.8	38.3
91	51.2	13.1	39.3#

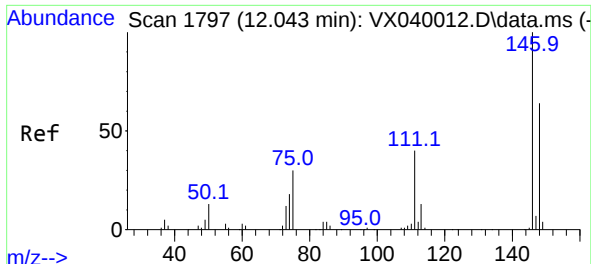


#87
1,3-Dichlorobenzene
Concen: 0.284 ug/l
RT: 11.975 min Scan# 1786
Delta R.T. 0.006 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

Tgt Ion:146 Resp: 863

Ion	Ratio	Lower	Upper
146	100		
111	49.1	22.1	66.1
148	64.7	31.8	95.3

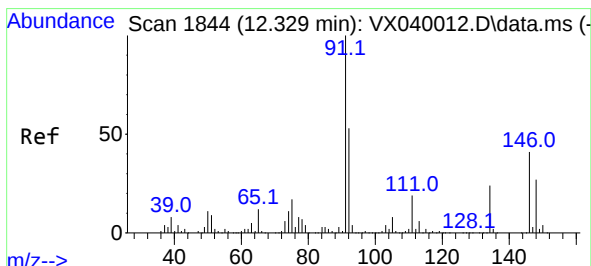
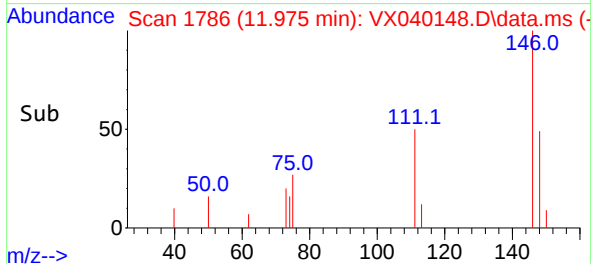
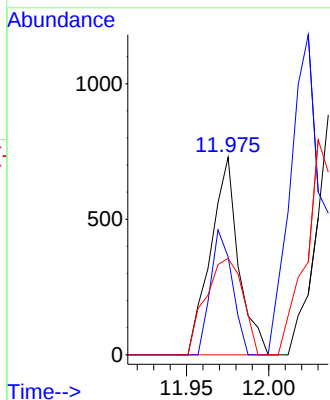
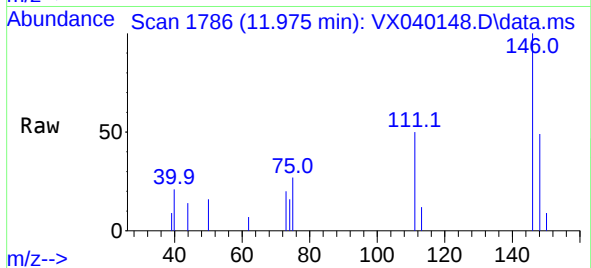




#88
1,4-Dichlorobenzene
Concen: 0.277 ug/l
RT: 11.975 min Scan# 11
Delta R.T. -0.067 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

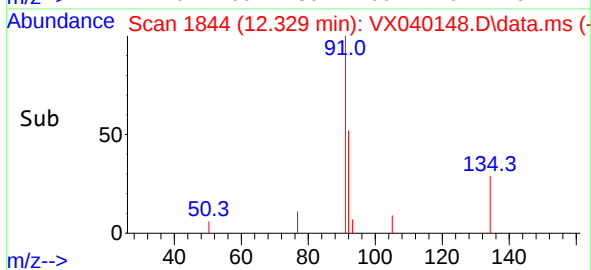
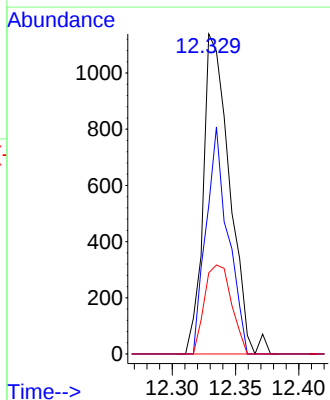
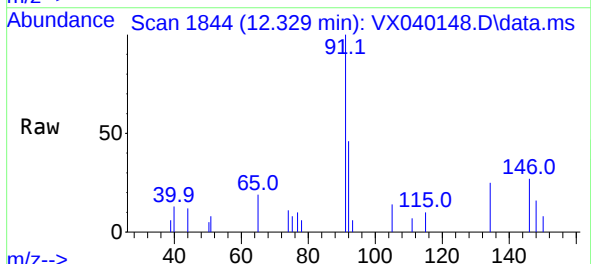
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBL01

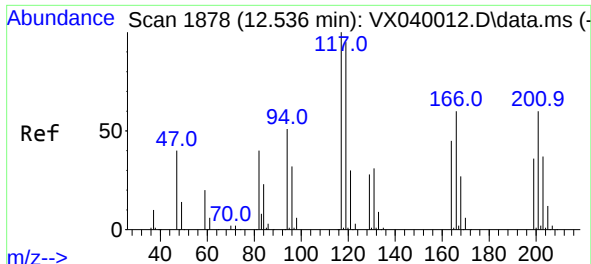
Tgt Ion:146 Resp: 863
Ion Ratio Lower Upper
146 100
111 49.1 21.3 63.7
148 64.7 31.8 95.4



#89
n-Butylbenzene
Concen: 0.293 ug/l
RT: 12.329 min Scan# 1844
Delta R.T. -0.000 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

Tgt Ion: 91 Resp: 1653
Ion Ratio Lower Upper
91 100
92 58.9 27.4 82.0
134 28.4 12.6 37.8

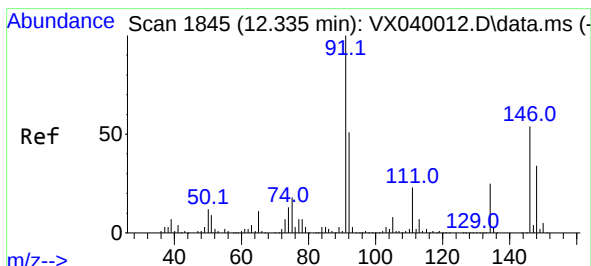
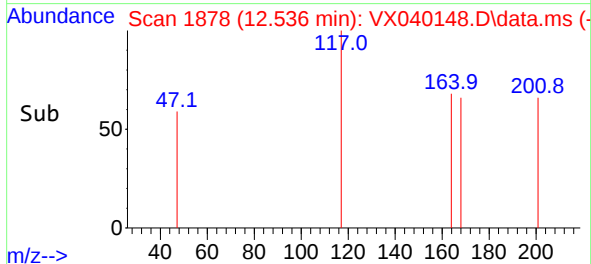
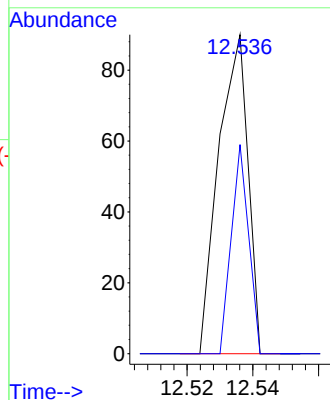
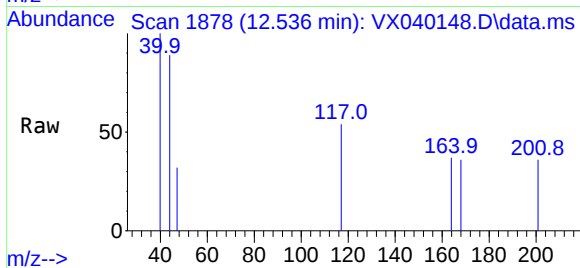




#90
Hexachloroethane
Concen: Below Cal
RT: 12.536 min Scan# 117
Delta R.T. 0.000 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

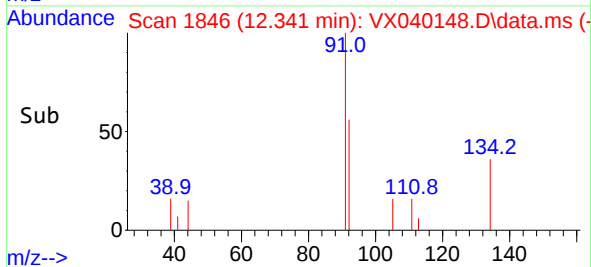
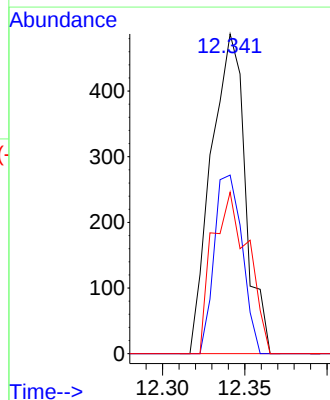
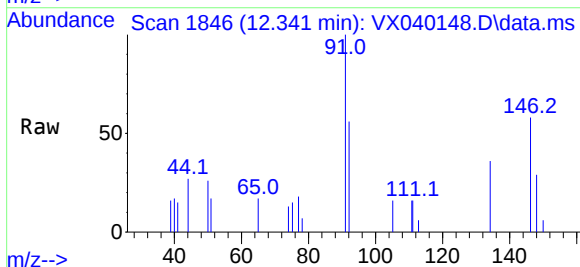
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBL01

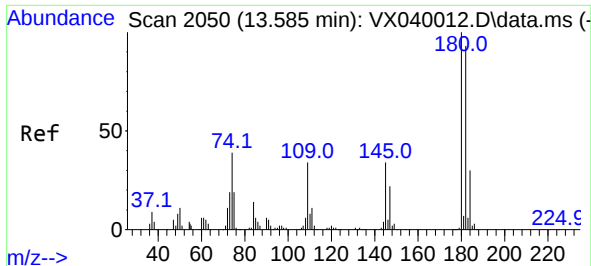
Tgt Ion:117 Resp: 56
Ion Ratio Lower Upper
117 100
201 39.3 32.9 98.6



#91
1,2-Dichlorobenzene
Concen: 0.240 ug/l
RT: 12.341 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

Tgt Ion:146 Resp: 703
Ion Ratio Lower Upper
146 100
111 45.7 22.4 67.0
148 52.6 31.6 95.0

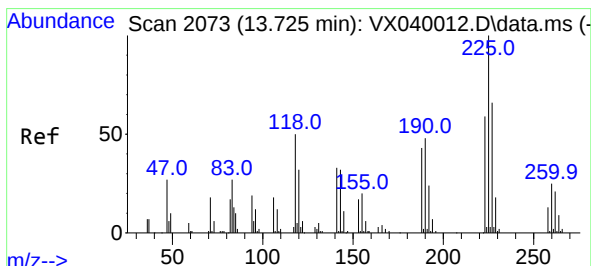
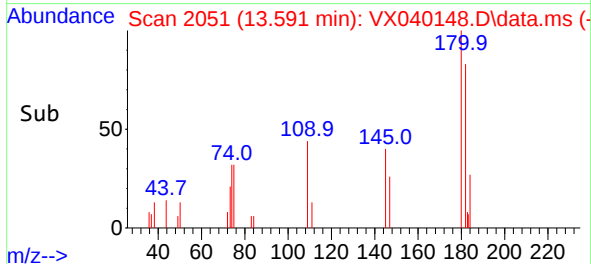
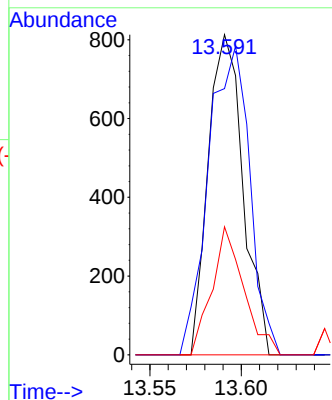
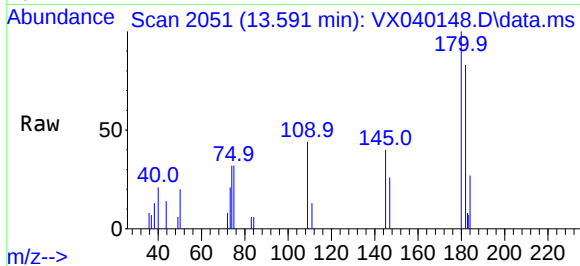




#93
1,2,4-Trichlorobenzene
Concen: 0.589 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

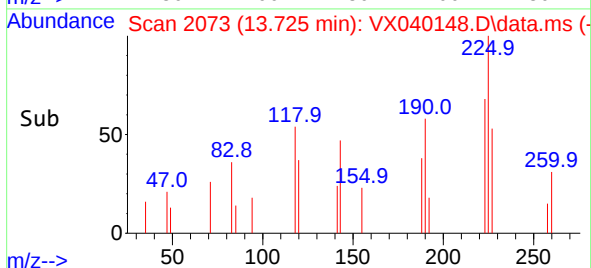
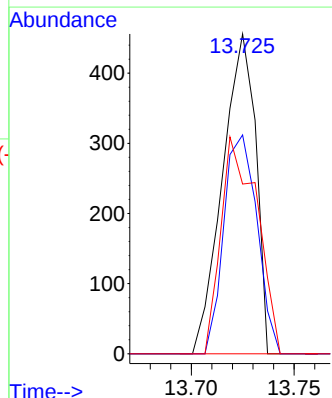
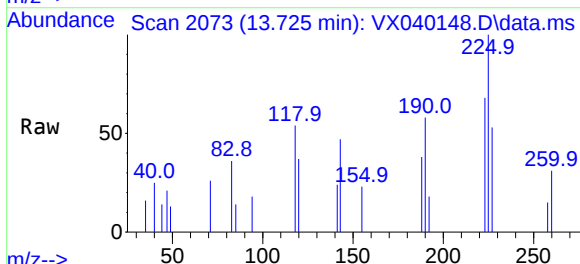
Instrument :
MSVOA_X
ClientSampleId :
VX0207WBL01

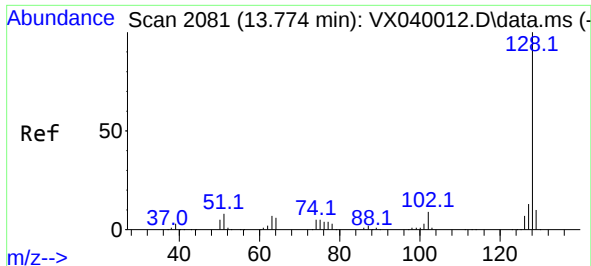
Tgt Ion:180	Resp:	1079
Ion	Ratio	Lower Upper
180	100	
182	113.7	48.3 144.8
145	36.6	18.0 54.0



#94
Hexachlorobutadiene
Concen: 0.708 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

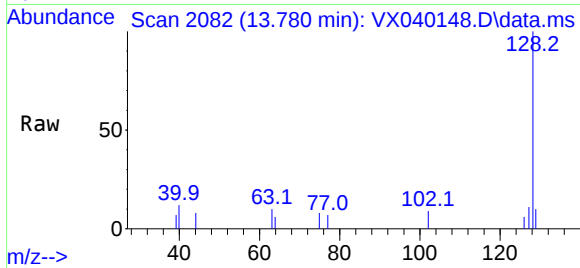
Tgt Ion:225	Resp:	511
Ion	Ratio	Lower Upper
225	100	
223	68.5	31.1 93.2
227	73.8	32.5 97.5



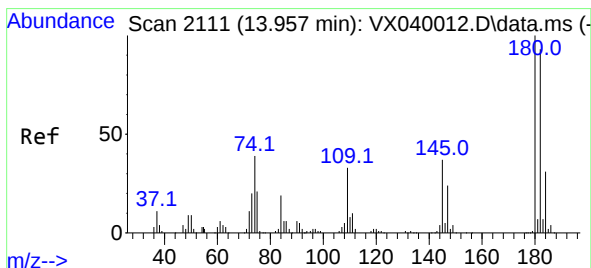
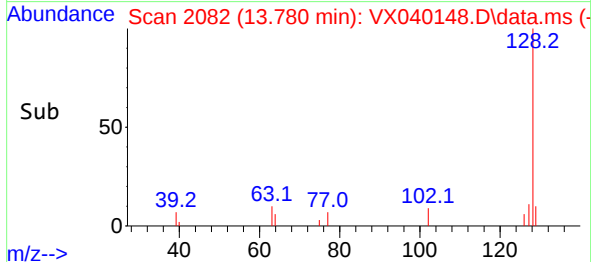
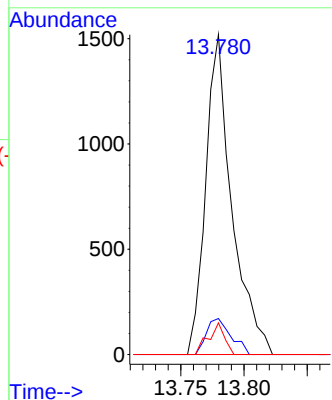


#95
Naphthalene
Concen: 0.351 ug/l
RT: 13.780 min Scan# 2081
Delta R.T. 0.006 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

Instrument :
MSVOA_X
ClientSampleId :
VX0207WBL01



Tgt Ion:128 Resp: 2182
Ion Ratio Lower Upper
128 100
127 10.6 10.3 15.5
129 6.1 8.8 13.2#



#96
1,2,3-Trichlorobenzene
Concen: 0.540 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. -0.000 min
Lab File: VX040148.D
Acq: 07 Feb 2024 12:46

Tgt Ion:180 Resp: 977
Ion Ratio Lower Upper
180 100
182 76.7 46.9 140.6
145 22.0 17.8 53.5

