

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082923\
 Data File : VX037353.D
 Acq On : 29 Aug 2023 20:07
 Operator : JC/MD
 Sample : 04143-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 50121

Quant Time: Aug 30 02:10:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 18 09:30:38 2023
 Response via : Initial Calibration

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

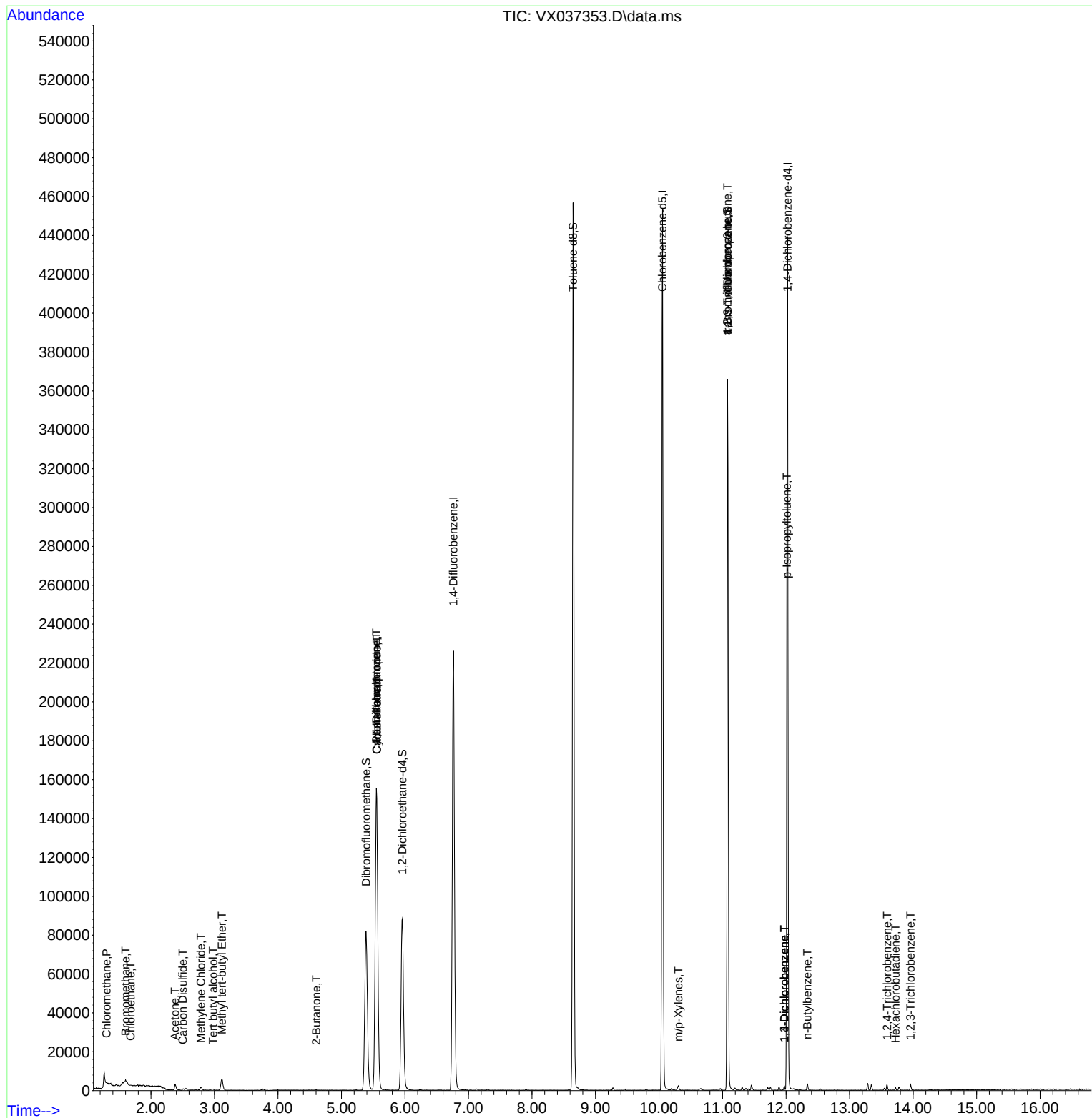
Internal Standards						
1) Pentafluorobenzene	5.550	168	146287	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	241116	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	211175	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	96085	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	88876	42.142	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	84.280%
35) Dibromofluoromethane	5.385	113	73314	45.912	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	91.820%
50) Toluene-d8	8.647	98	278886	48.147	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.300%
62) 4-Bromofluorobenzene	11.079	95	101857	44.746	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.500%
Target Compounds						
					Qvalue	
3) Chloromethane	1.301	50	347	0.233	ug/l #	43
5) Bromomethane	1.599	94	223	0.277	ug/l	94
6) Chloroethane	1.679	64	1518	1.594	ug/l #	70
11) Tert butyl alcohol	2.977	59	848	1.714	ug/l #	78
16) Acetone	2.380	43	3007	3.645	ug/l #	77
17) Carbon Disulfide	2.502	76	881	0.230	ug/l #	76
19) Methyl tert-butyl Ether	3.117	73	6905	1.209	ug/l #	89
20) Methylene Chloride	2.788	84	1000	0.542	ug/l #	80
25) 2-Butanone	4.605	43	289	0.233	ug/l #	51
31) Cyclohexane	5.556	56	2934	1.237	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11323	4.991	ug/l #	51
38) Carbon Tetrachloride	5.556	117	15308	6.212	ug/l #	14
68) m/p-Xylenes	10.305	106	689	0.227	ug/l	97
76) 1,2,3-Trichloropropane	11.079	75	50619	24.737	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.079	75	50619	69.091	ug/l #	5
86) p-Isopropyltoluene	12.012	119	1315	0.235	ug/l #	80
87) 1,3-Dichlorobenzene	11.976	146	737	0.231	ug/l	98
88) 1,4-Dichlorobenzene	11.976	146	737	0.223	ug/l	97
89) n-Butylbenzene	12.335	91	1169	0.252	ug/l	89
93) 1,2,4-Trichlorobenzene	13.591	180	861	0.471	ug/l	94
94) Hexachlorobutadiene	13.725	225	302	0.427	ug/l	86
96) 1,2,3-Trichlorobenzene	13.963	180	794	0.437	ug/l	90

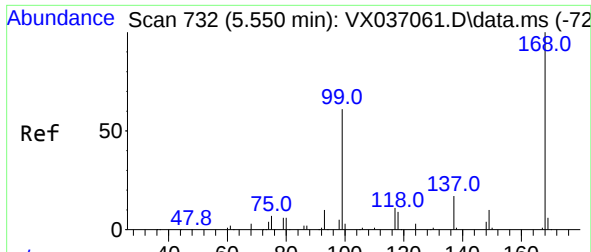
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 30 02:10:16 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081723W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 18 09:30:38 2023
Response via : Initial Calibration

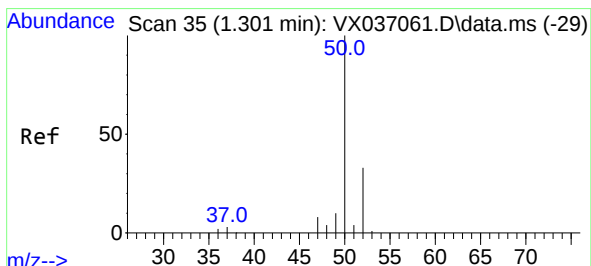
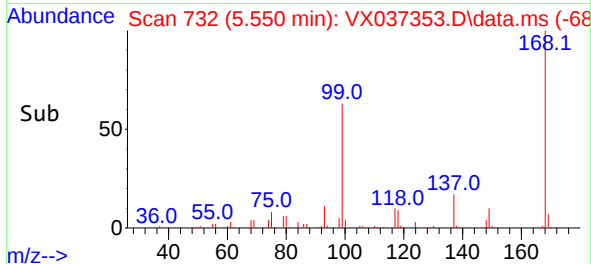
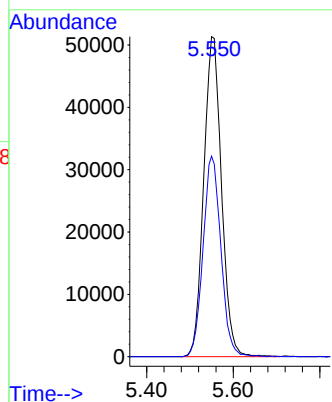
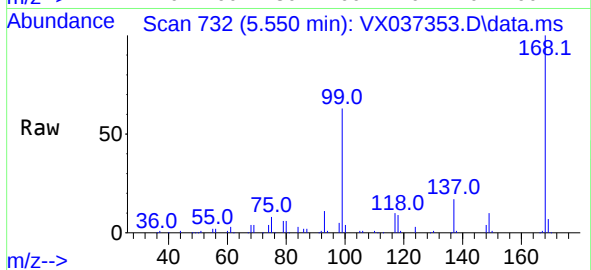




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX037353.D
Acq: 29 Aug 2023 20:07

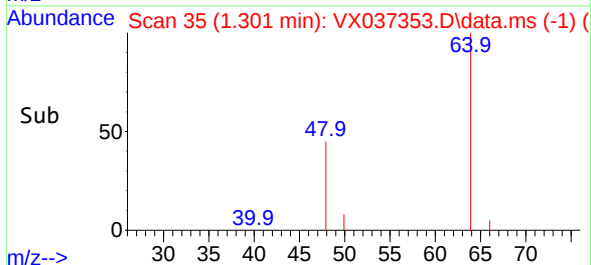
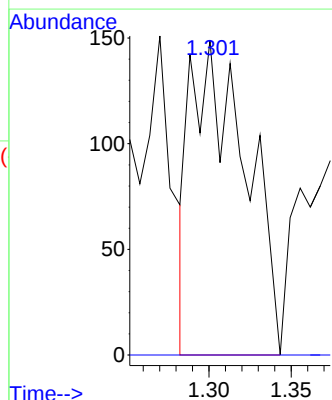
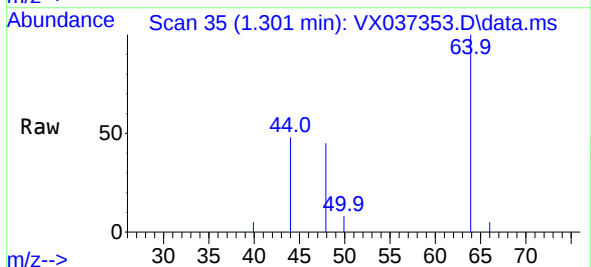
Instrument :
MSVOA_X
ClientSampleId :
50121

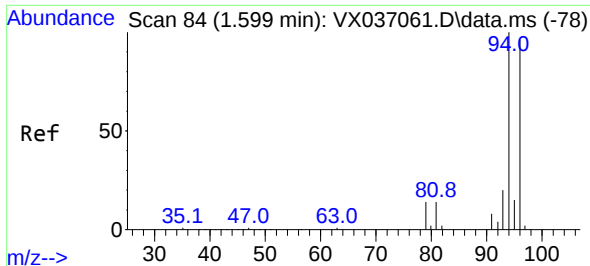
Tgt Ion:168 Resp: 146287
Ion Ratio Lower Upper
168 100
99 62.6 56.6 85.0



#3
Chloromethane
Concen: 0.233 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.000 min
Lab File: VX037353.D
Acq: 29 Aug 2023 20:07

Tgt Ion: 50 Resp: 347
Ion Ratio Lower Upper
50 100
52 0.0 25.5 38.3#

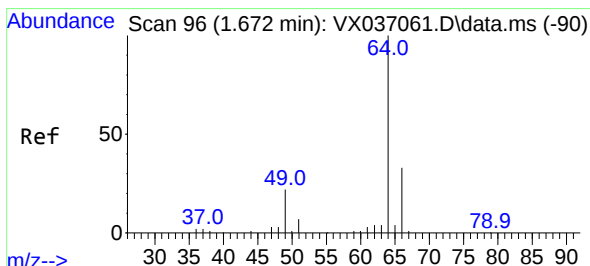
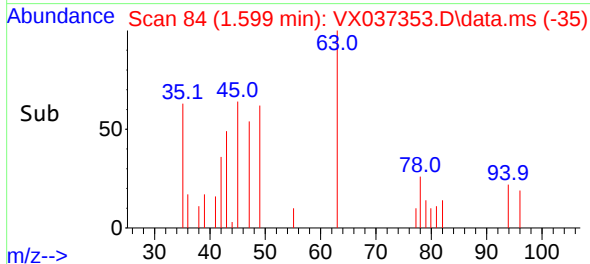
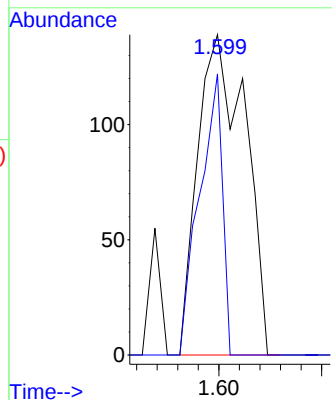
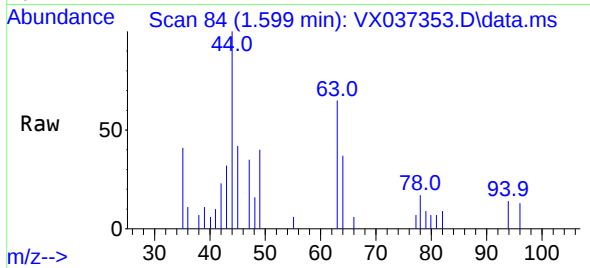




#5
Bromomethane
Concen: 0.277 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX037353.D
Acq: 29 Aug 2023 20:07

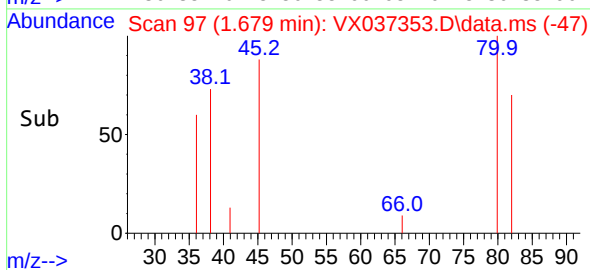
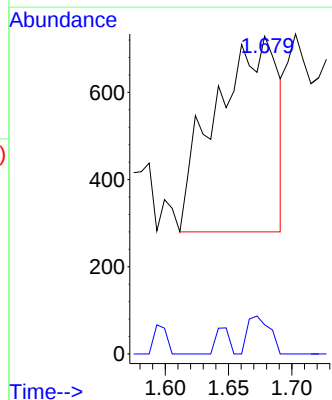
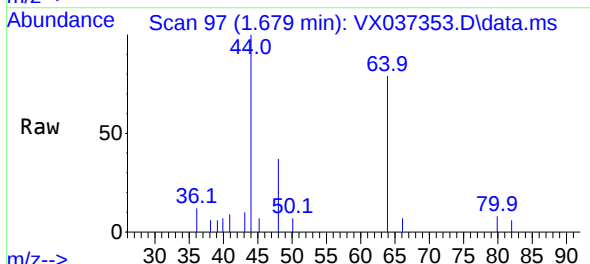
Instrument :
MSVOA_X
ClientSampleId :
50121

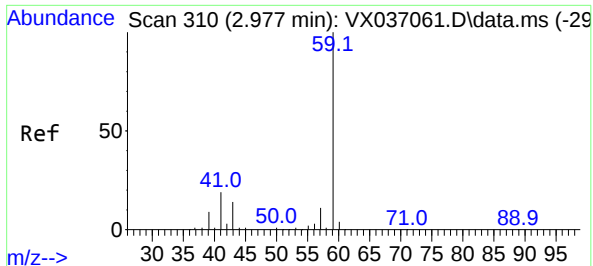
Tgt Ion: 94 Resp: 223
Ion Ratio Lower Upper
94 100
96 87.8 74.6 111.8



#6
Chloroethane
Concen: 1.594 ug/l
RT: 1.679 min Scan# 97
Delta R.T. 0.007 min
Lab File: VX037353.D
Acq: 29 Aug 2023 20:07

Tgt Ion: 64 Resp: 1518
Ion Ratio Lower Upper
64 100
66 14.9 25.1 37.7#

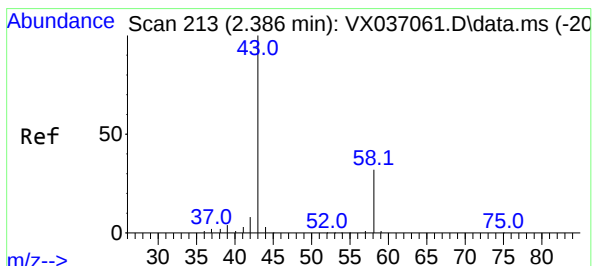
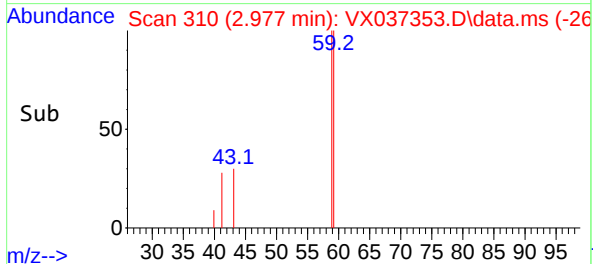
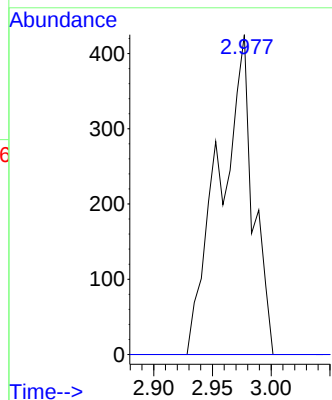
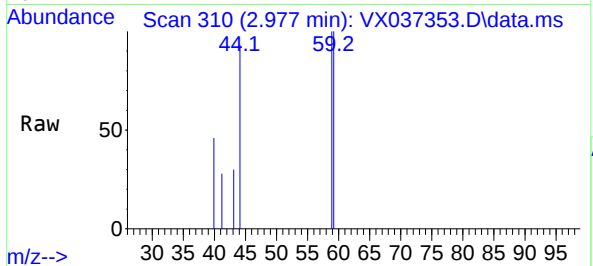




#11
Tert butyl alcohol
Concen: 1.714 ug/l
RT: 2.977 min Scan# 310
Delta R.T. 0.000 min
Lab File: VX037353.D
Acq: 29 Aug 2023 20:07

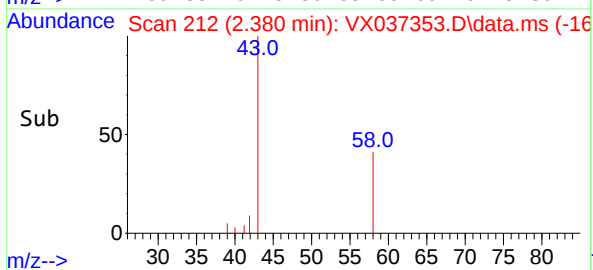
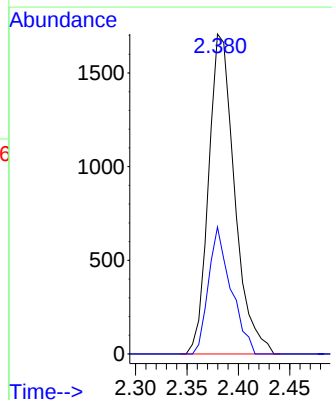
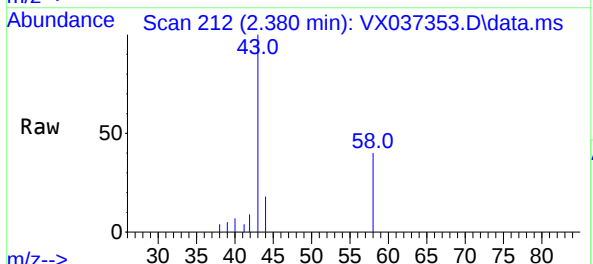
Instrument :
MSVOA_X
ClientSampleId :
50121

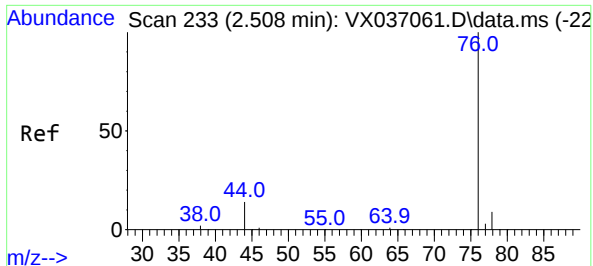
Tgt Ion: 59 Resp: 848
Ion Ratio Lower Upper
59 100
57 0.0 6.0 9.0#



#16
Acetone
Concen: 3.645 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX037353.D
Acq: 29 Aug 2023 20:07

Tgt Ion: 43 Resp: 3007
Ion Ratio Lower Upper
43 100
58 39.6 21.9 32.9#

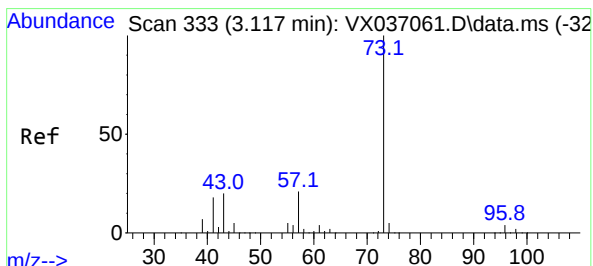
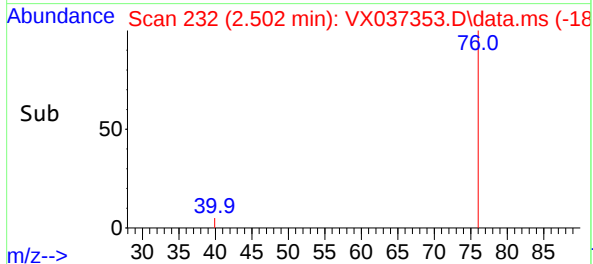
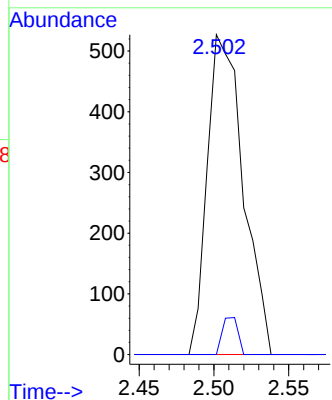
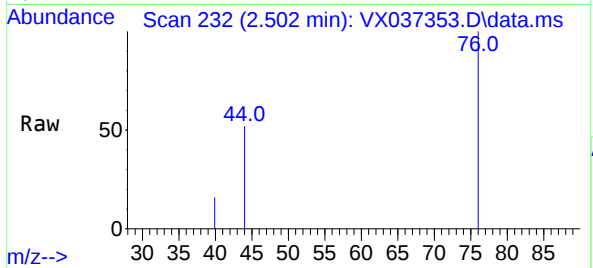




#17
Carbon Disulfide
Concen: 0.230 ug/l
RT: 2.502 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX037353.D
Acq: 29 Aug 2023 20:07

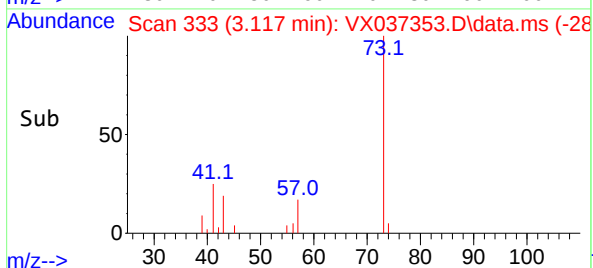
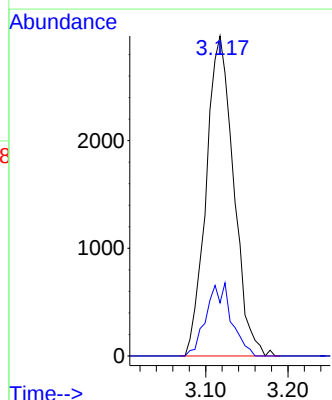
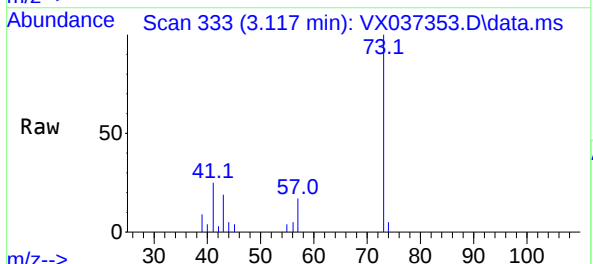
Instrument :
MSVOA_X
ClientSampleId :
50121

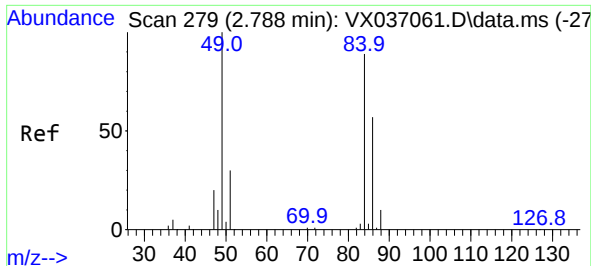
Tgt Ion: 76 Resp: 881
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#19
Methyl tert-butyl Ether
Concen: 1.209 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX037353.D
Acq: 29 Aug 2023 20:07

Tgt Ion: 73 Resp: 6905
Ion Ratio Lower Upper
73 100
57 16.6 17.3 25.9#



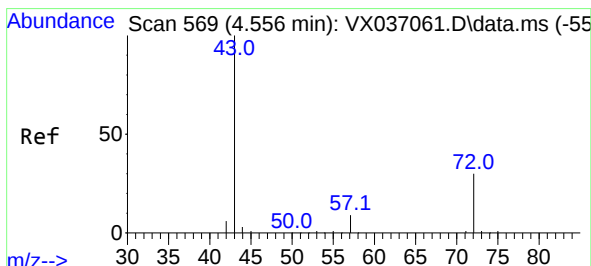
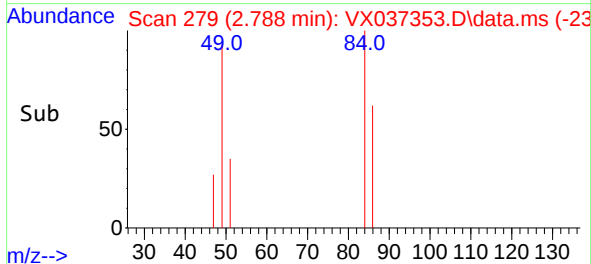
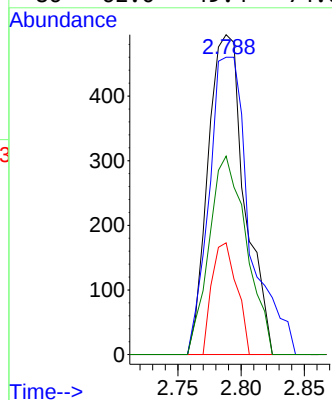
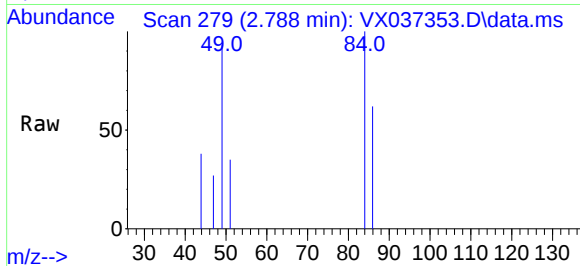


#20
Methylene Chloride
Concen: 0.542 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX037353.D
Acq: 29 Aug 2023 20:07

Instrument :
MSVOA_X
ClientSampleId :
50121

Tgt Ion: 84 Resp: 1000

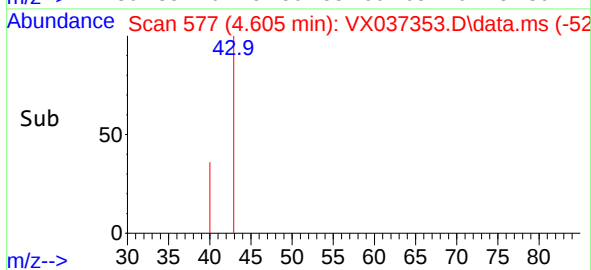
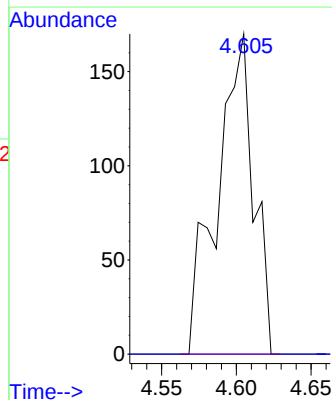
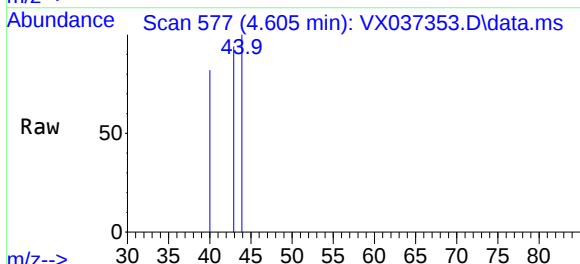
Ion	Ratio	Lower	Upper
84	100		
49	92.9	103.6	155.4#
51	34.9	33.8	50.6
86	62.0	49.4	74.0

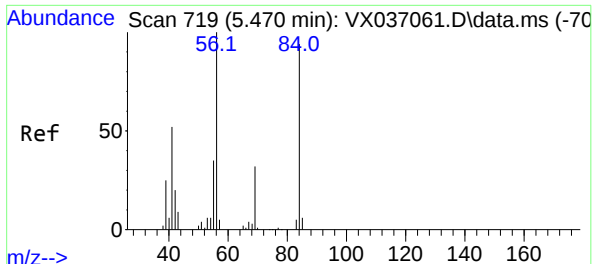


#25
2-Butanone
Concen: 0.233 ug/l
RT: 4.605 min Scan# 577
Delta R.T. 0.049 min
Lab File: VX037353.D
Acq: 29 Aug 2023 20:07

Tgt Ion: 43 Resp: 289

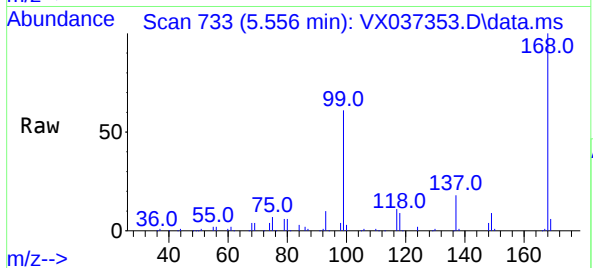
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.4	29.2#



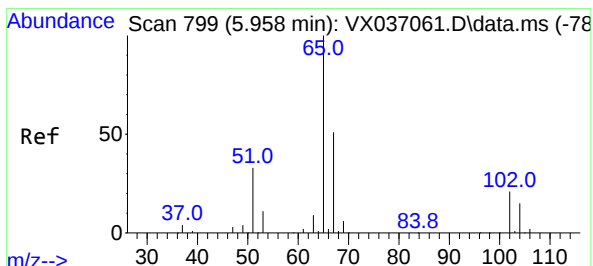
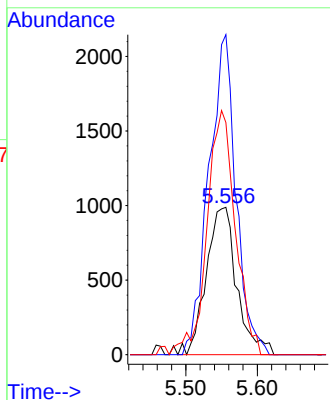
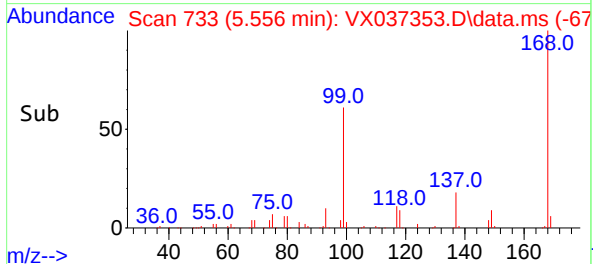


#31
Cyclohexane
Concen: 1.237 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX037353.D
Acq: 29 Aug 2023 20:07

Instrument :
MSVOA_X
ClientSampleId :
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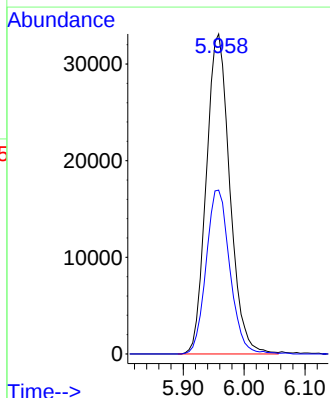
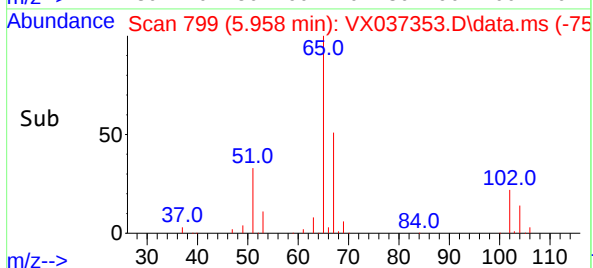
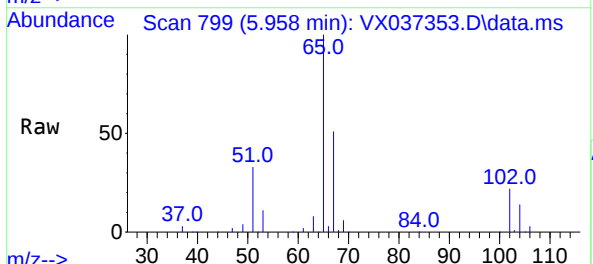


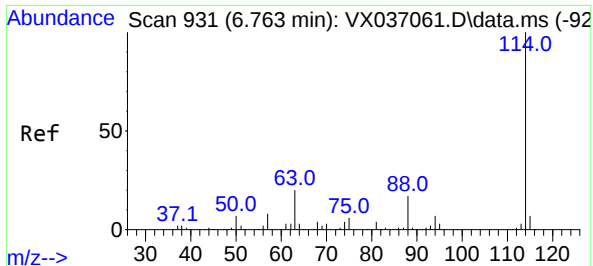
Tgt Ion: 56 Resp: 2934
Ion Ratio Lower Upper
56 100
69 217.2 23.4 35.2#
84 157.6 65.9 98.9#



#33
1,2-Dichloroethane-d4
Concen: 42.142 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX037353.D
Acq: 29 Aug 2023 20:07

Tgt Ion: 65 Resp: 88876
Ion Ratio Lower Upper
65 100
67 51.8 0.0 100.2

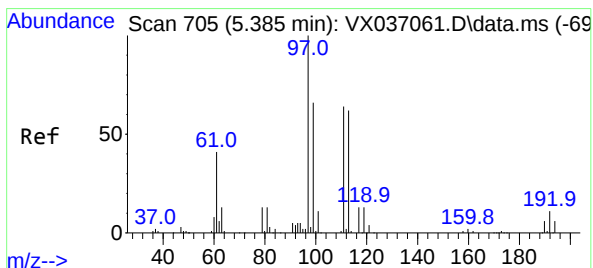
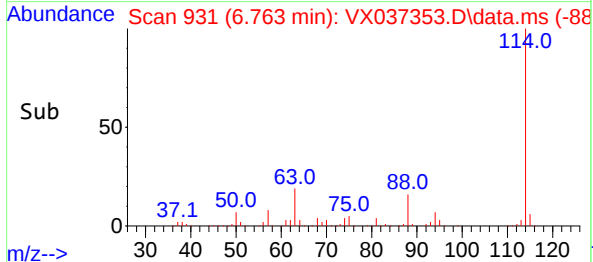
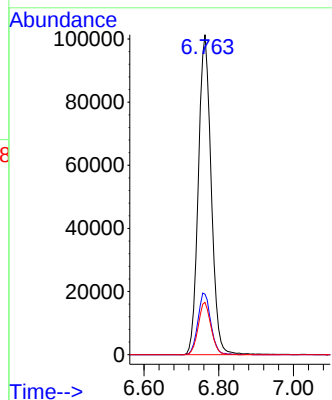
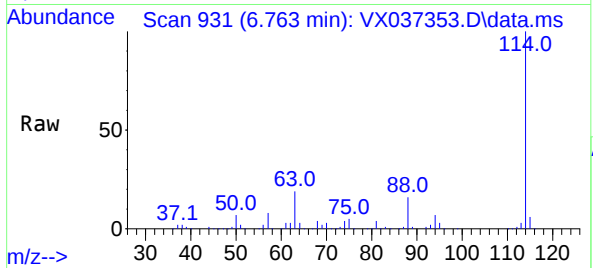




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX037353.D
Acq: 29 Aug 2023 20:07

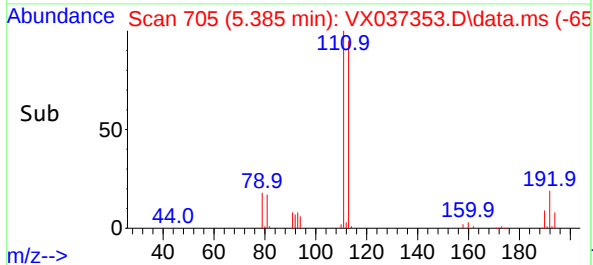
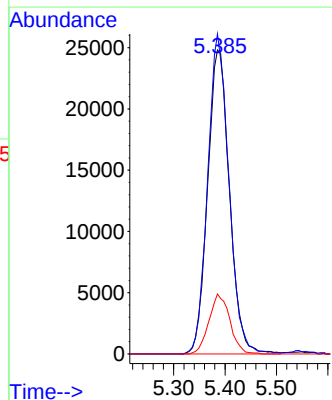
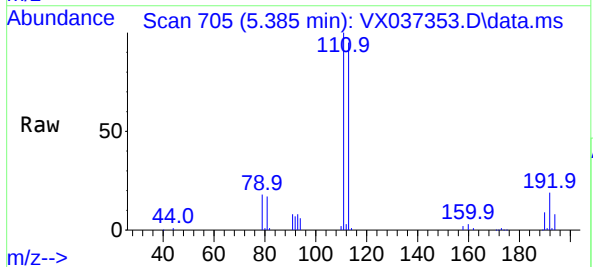
Instrument :
MSVOA_X
ClientSampleId :
50121

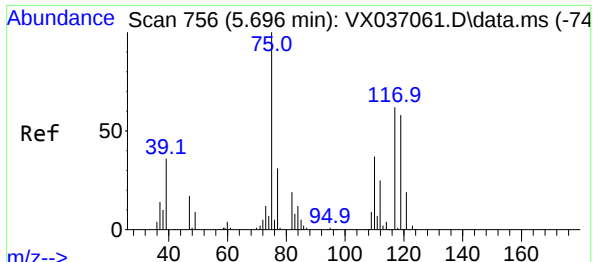
Tgt Ion:114 Resp: 241116
Ion Ratio Lower Upper
114 100
63 18.9 0.0 45.0
88 16.4 0.0 36.6



#35
Dibromofluoromethane
Concen: 45.912 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX037353.D
Acq: 29 Aug 2023 20:07

Tgt Ion:113 Resp: 73314
Ion Ratio Lower Upper
113 100
111 102.4 82.9 124.3
192 18.9 13.3 19.9





#36

1,1-Dichloropropene

Concen: 4.991 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX037353.D

Acq: 29 Aug 2023 20:07

Instrument :

MSVOA_X

ClientSampleId :

50121

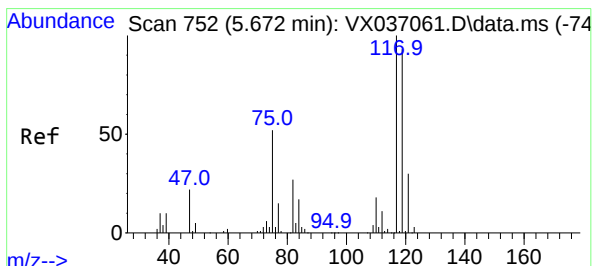
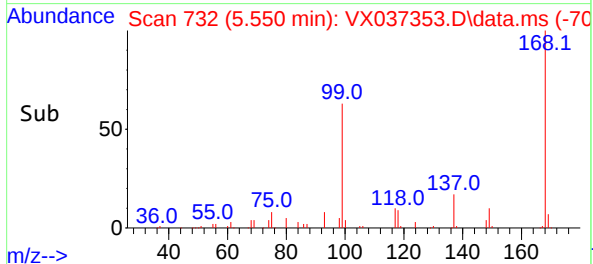
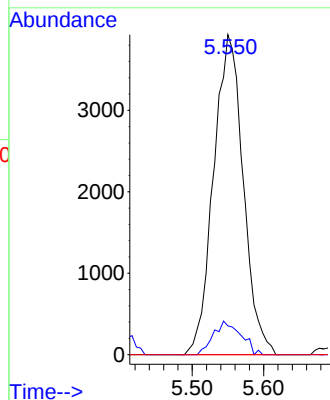
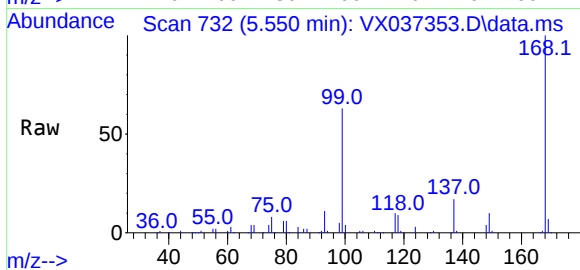
Tgt Ion: 75 Resp: 11323

Ion Ratio Lower Upper

75 100

110 9.7 17.0 50.9#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 6.212 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.116 min

Lab File: VX037353.D

Acq: 29 Aug 2023 20:07

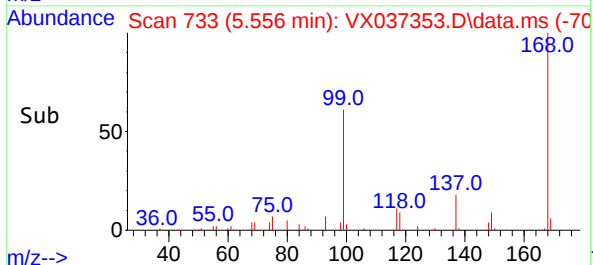
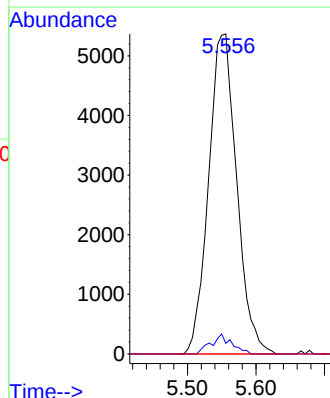
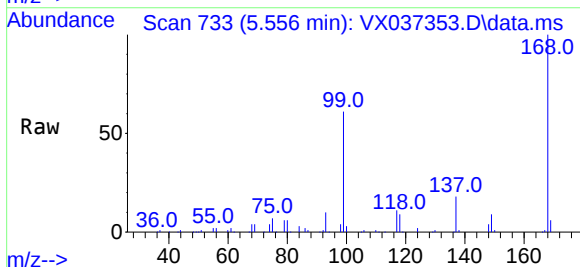
Tgt Ion:117 Resp: 15308

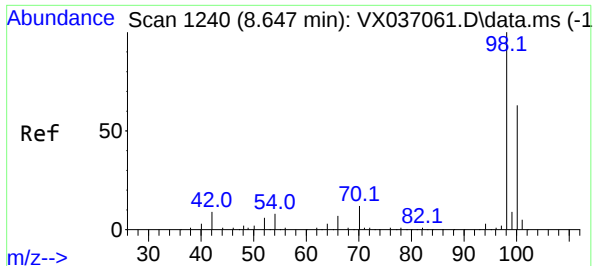
Ion Ratio Lower Upper

117 100

119 3.3 78.2 117.2#

121 0.0 24.4 36.6#

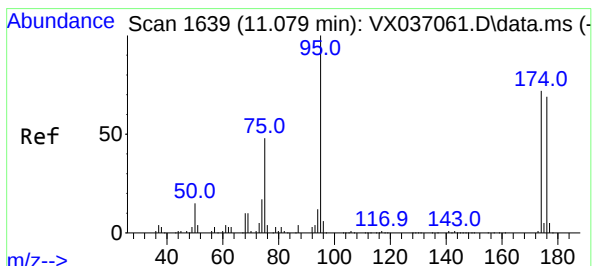
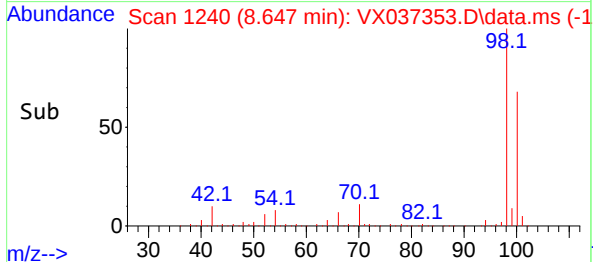
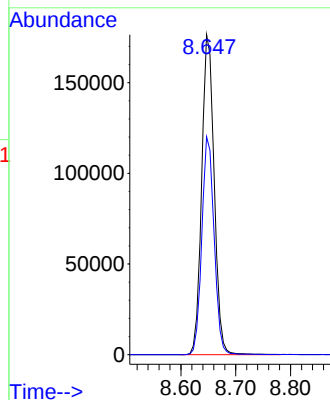
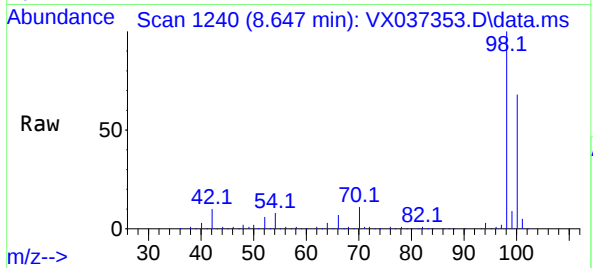




#50
Toluene-d8
Concen: 48.147 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037353.D
Acq: 29 Aug 2023 20:07

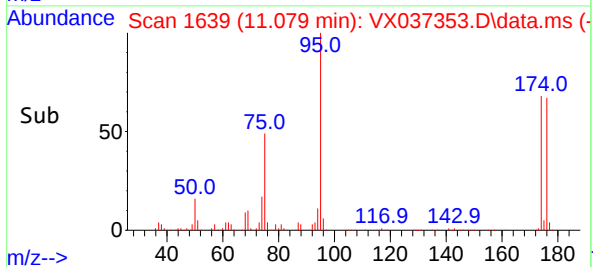
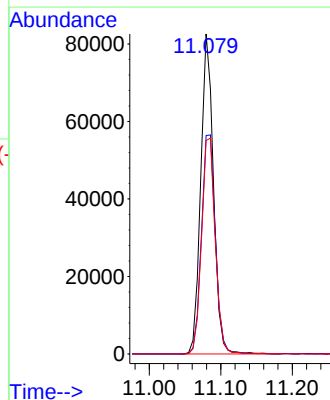
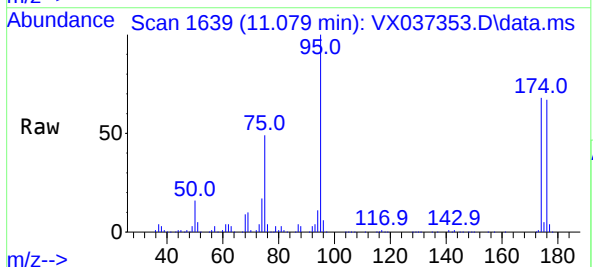
Instrument :
MSVOA_X
ClientSampleId :
50121

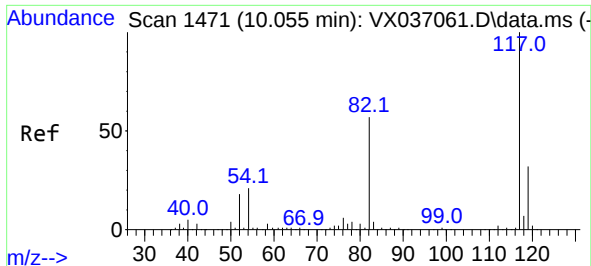
Tgt Ion: 98 Resp: 278886
Ion Ratio Lower Upper
98 100
100 67.3 53.1 79.7



#62
4-Bromofluorobenzene
Concen: 44.746 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX037353.D
Acq: 29 Aug 2023 20:07

Tgt Ion: 95 Resp: 101857
Ion Ratio Lower Upper
95 100
174 75.0 0.0 135.6
176 72.4 0.0 131.0

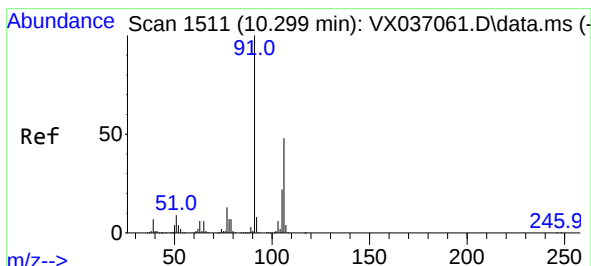
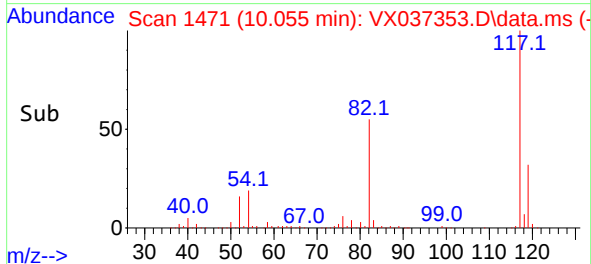
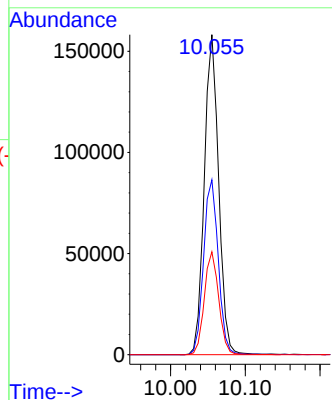
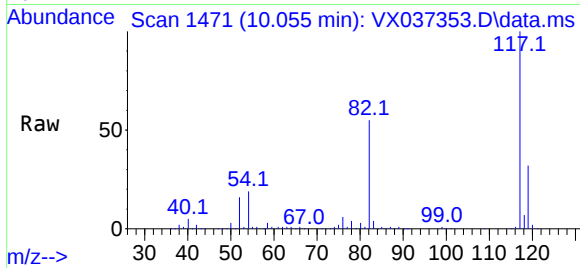




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX037353.D
Acq: 29 Aug 2023 20:07

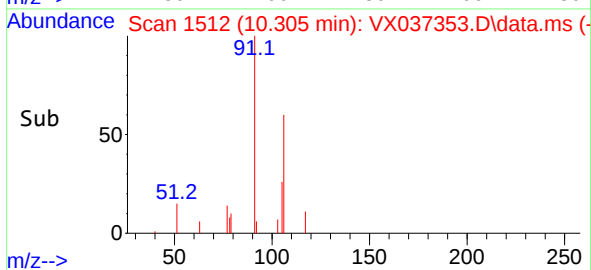
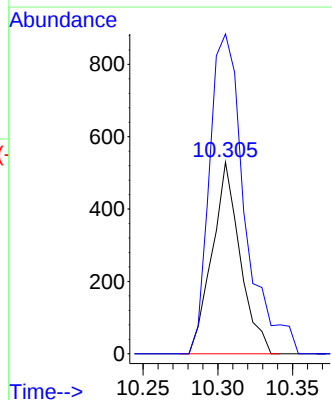
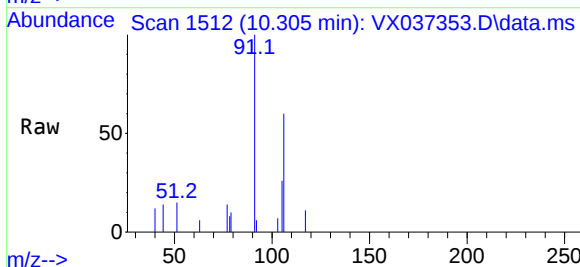
Instrument :
MSVOA_X
ClientSampleId :
50121

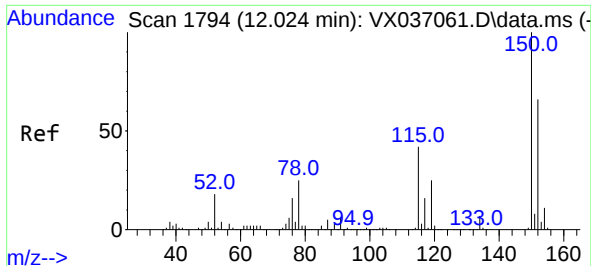
Tgt Ion:117 Resp: 211175
Ion Ratio Lower Upper
117 100
82 54.6 46.2 69.4
119 32.1 25.5 38.3



#68
m/p-Xylenes
Concen: 0.227 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX037353.D
Acq: 29 Aug 2023 20:07

Tgt Ion:106 Resp: 689
Ion Ratio Lower Upper
106 100
91 211.2 165.5 248.3

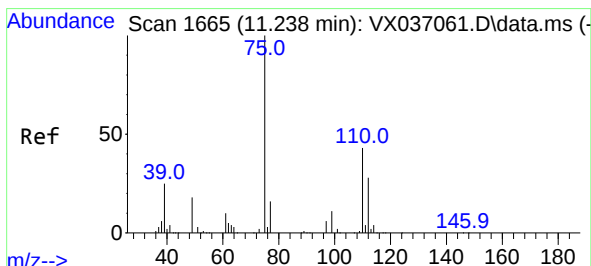
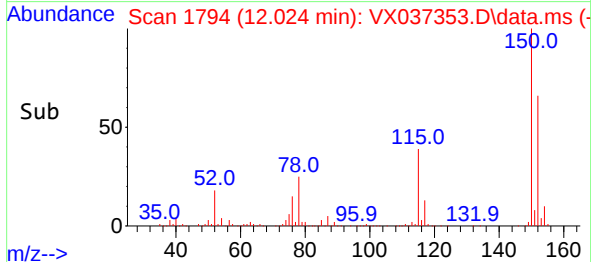
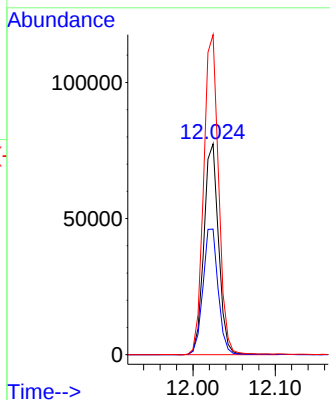
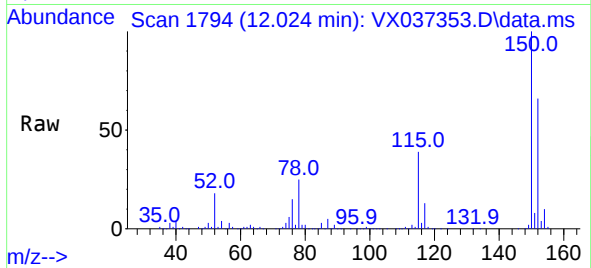




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX037353.D
Acq: 29 Aug 2023 20:07

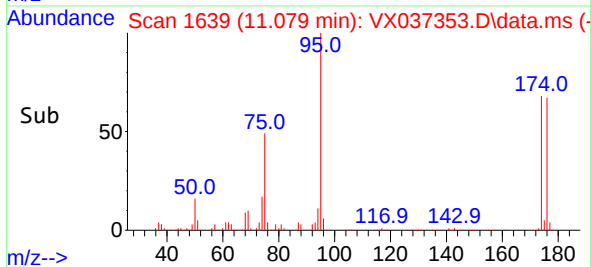
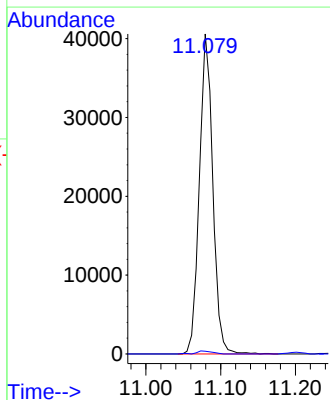
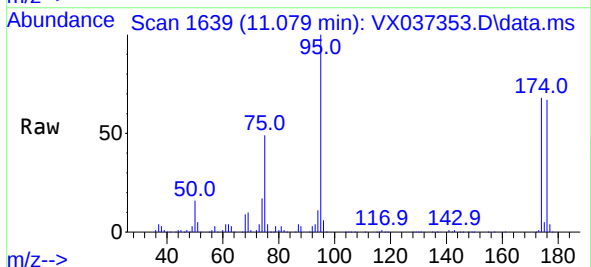
Instrument :
MSVOA_X
ClientSampleId :
50121

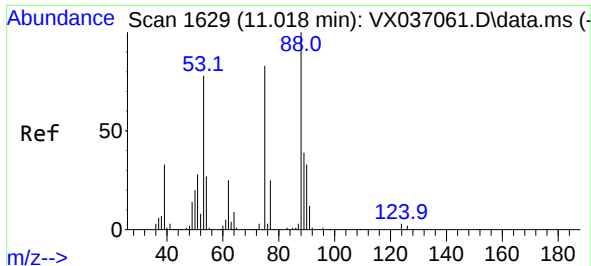
Tgt Ion:152 Resp: 96085
Ion Ratio Lower Upper
152 100
115 61.8 43.3 129.9
150 154.3 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 24.737 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX037353.D
Acq: 29 Aug 2023 20:07

Tgt Ion: 75 Resp: 50619
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#

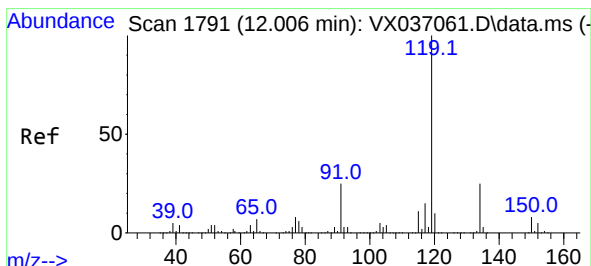
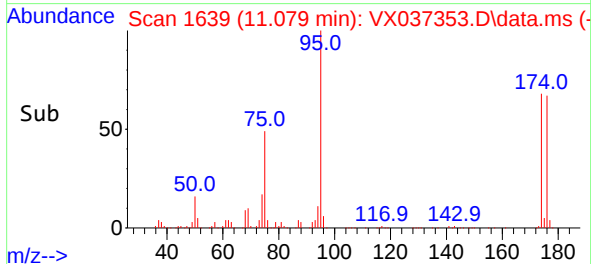
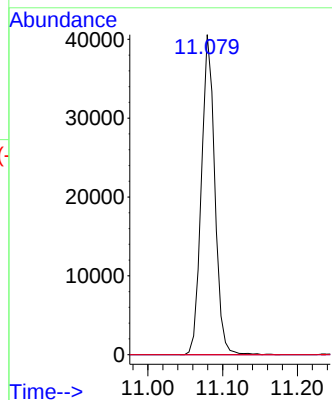
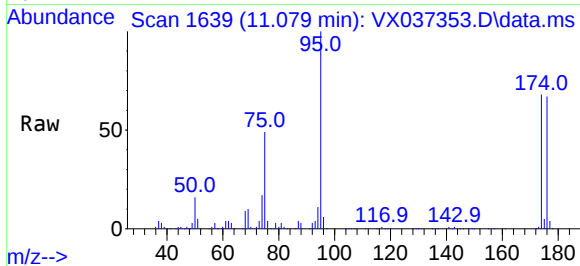




#81
trans-1,4-Dichloro-2-butene
Concen: 69.091 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX037353.D
Acq: 29 Aug 2023 20:07

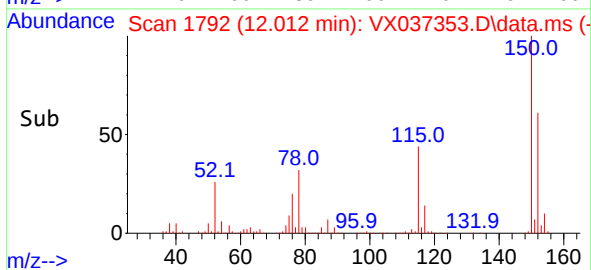
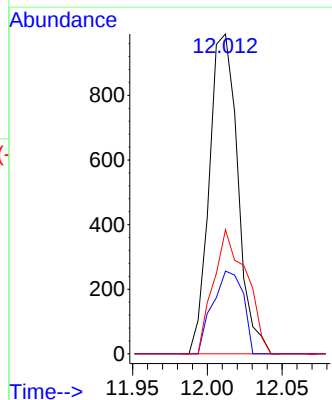
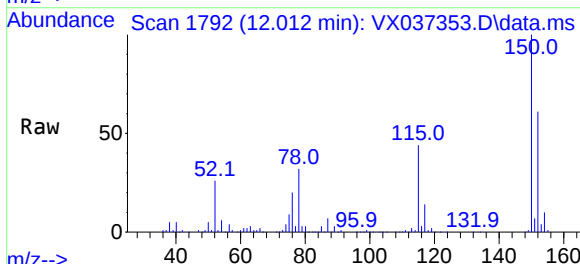
Instrument :
MSVOA_X
ClientSampleId :
50121

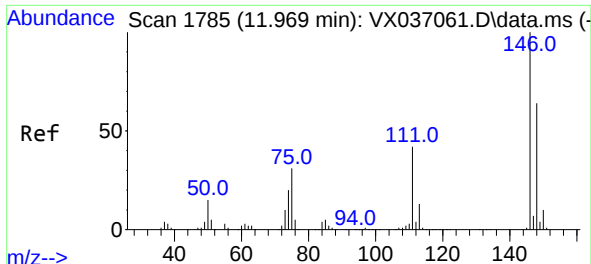
Tgt Ion: 75 Resp: 50619
Ion Ratio Lower Upper
75 100
53 0.0 90.5 135.7#
89 0.0 36.9 55.3#



#86
p-Isopropyltoluene
Concen: 0.235 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.006 min
Lab File: VX037353.D
Acq: 29 Aug 2023 20:07

Tgt Ion: 119 Resp: 1315
Ion Ratio Lower Upper
119 100
134 27.5 12.8 38.3
91 44.7 13.1 39.3#





#87

1,3-Dichlorobenzene

Concen: 0.231 ug/l

RT: 11.976 min Scan# 1786

Delta R.T. 0.006 min

Lab File: VX037353.D

Acq: 29 Aug 2023 20:07

Instrument :

MSVOA_X

ClientSampleId :

50121

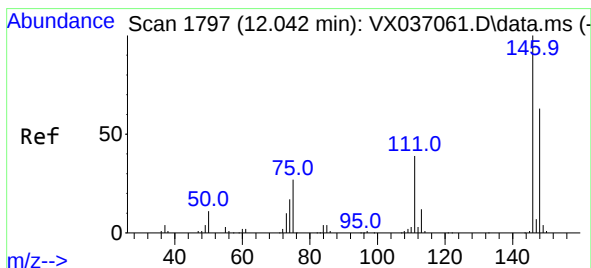
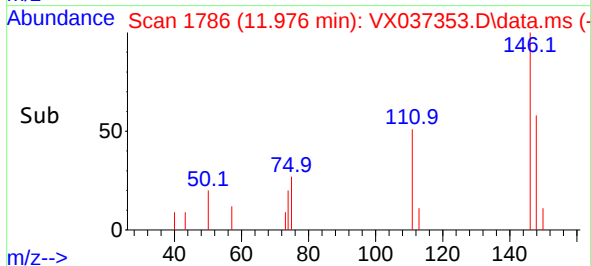
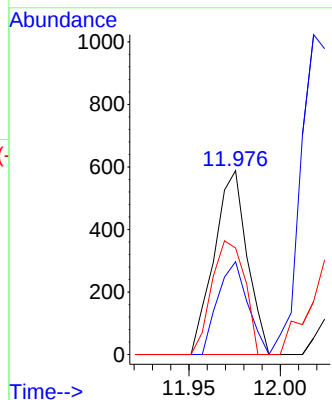
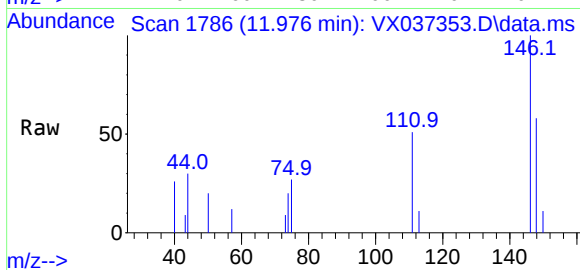
Tgt Ion:146 Resp: 737

Ion Ratio Lower Upper

146 100

111 46.0 22.1 66.1

148 62.1 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 0.223 ug/l

RT: 11.976 min Scan# 1786

Delta R.T. -0.067 min

Lab File: VX037353.D

Acq: 29 Aug 2023 20:07

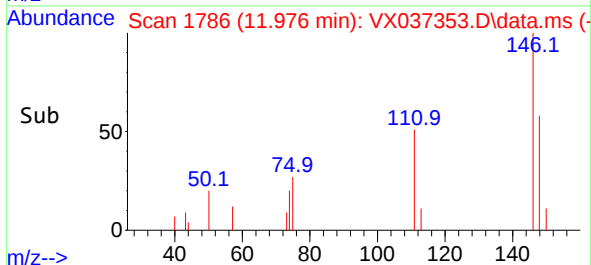
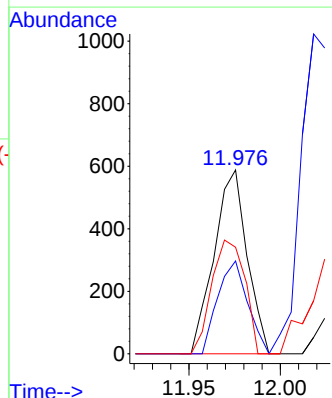
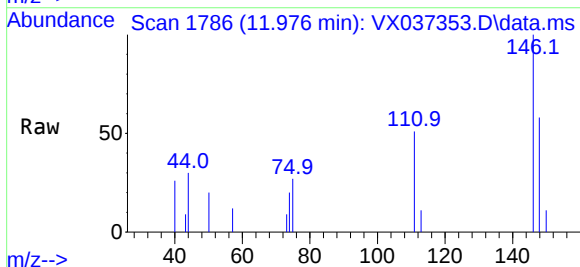
Tgt Ion:146 Resp: 737

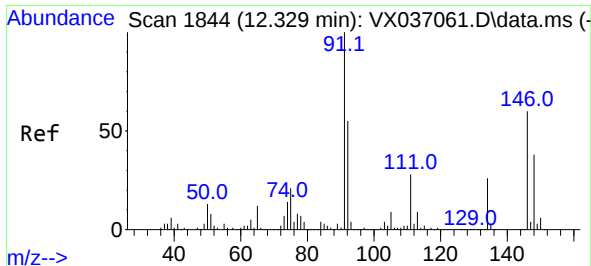
Ion Ratio Lower Upper

146 100

111 46.0 21.3 63.7

148 62.1 31.8 95.4

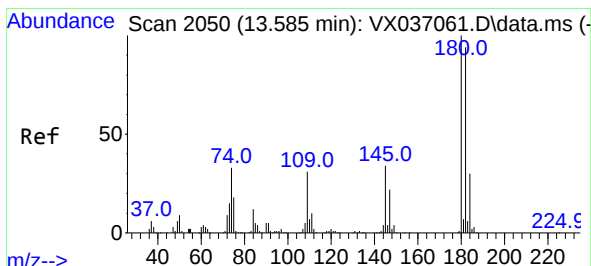
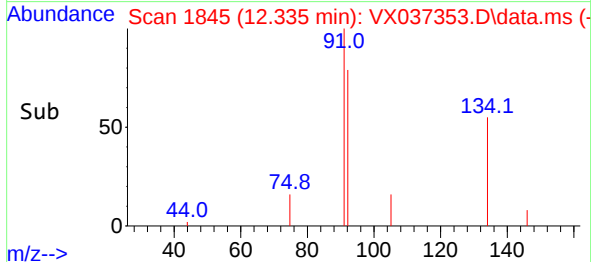
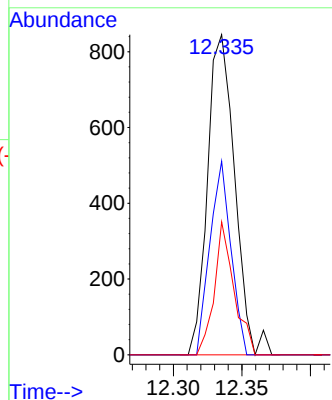
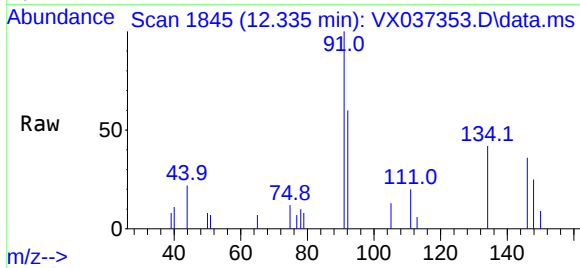




#89
n-Butylbenzene
Concen: 0.252 ug/l
RT: 12.335 min Scan# 1169
Delta R.T. 0.006 min
Lab File: VX037353.D
Acq: 29 Aug 2023 20:07

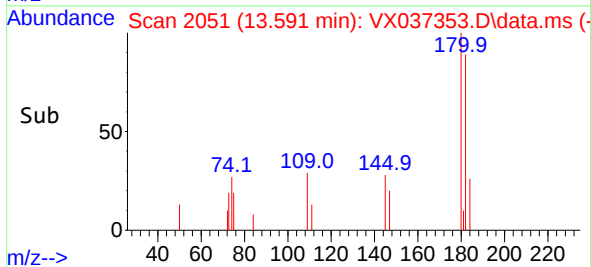
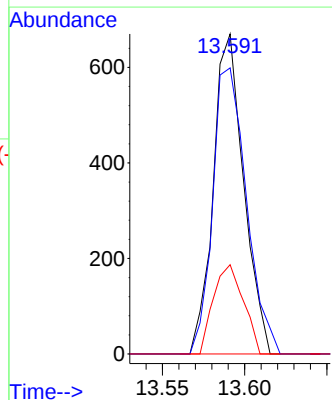
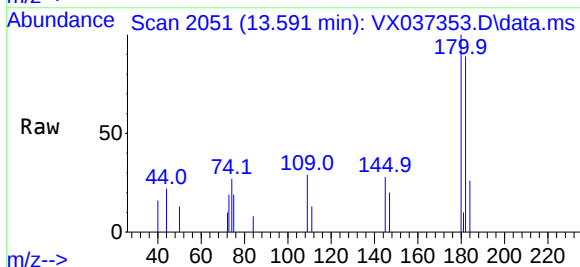
Instrument :
MSVOA_X
ClientSampleId :
50121

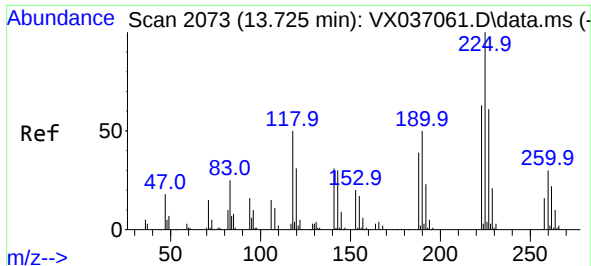
Tgt Ion:	91	Resp:	1169
Ion	Ratio	Lower	Upper
91	100		
92	46.6	27.4	82.0
134	29.9	12.6	37.8



#93
1,2,4-Trichlorobenzene
Concen: 0.471 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX037353.D
Acq: 29 Aug 2023 20:07

Tgt Ion:	180	Resp:	861
Ion	Ratio	Lower	Upper
180	100		
182	99.3	48.3	144.8
145	27.5	18.0	54.0

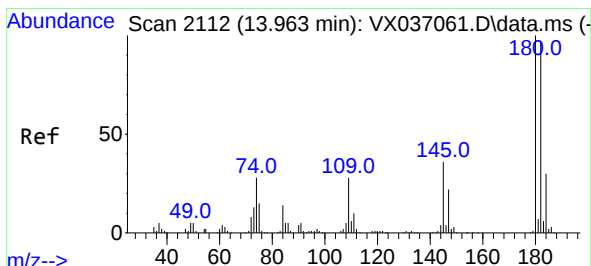
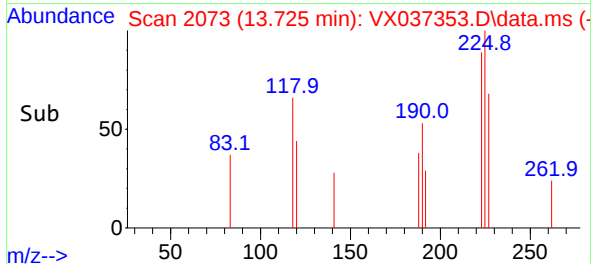
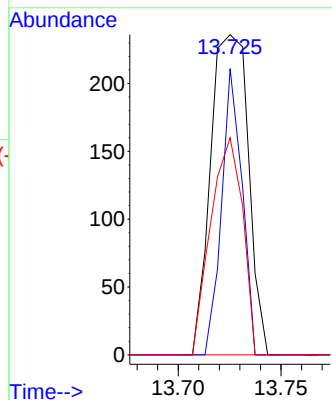
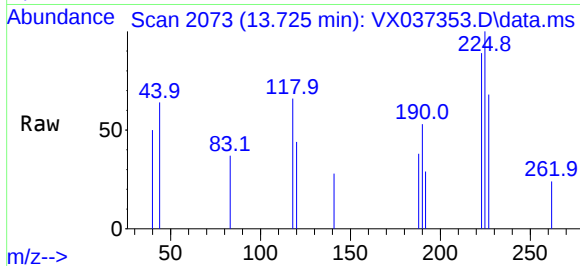




#94
Hexachlorobutadiene
Concen: 0.427 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX037353.D
Acq: 29 Aug 2023 20:07

Instrument :
MSVOA_X
ClientSampleId :
50121

Tgt Ion:	225	Resp:	302
Ion	Ratio	Lower	Upper
225	100		
223	48.3	31.1	93.2
227	57.0	32.5	97.5



#96
1,2,3-Trichlorobenzene
Concen: 0.437 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.000 min
Lab File: VX037353.D
Acq: 29 Aug 2023 20:07

Tgt Ion:	180	Resp:	794
Ion	Ratio	Lower	Upper
180	100		
182	104.4	46.9	140.6
145	31.2	17.8	53.5

