

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011223\
 Data File : VX033702.D
 Acq On : 12 Jan 2023 10:46
 Operator : JC/MD
 Sample : VX0112WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0112WBL01

Quant Time: Jan 13 00:40:09 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X011123W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 11 14:48:42 2023
 Response via : Initial Calibration

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

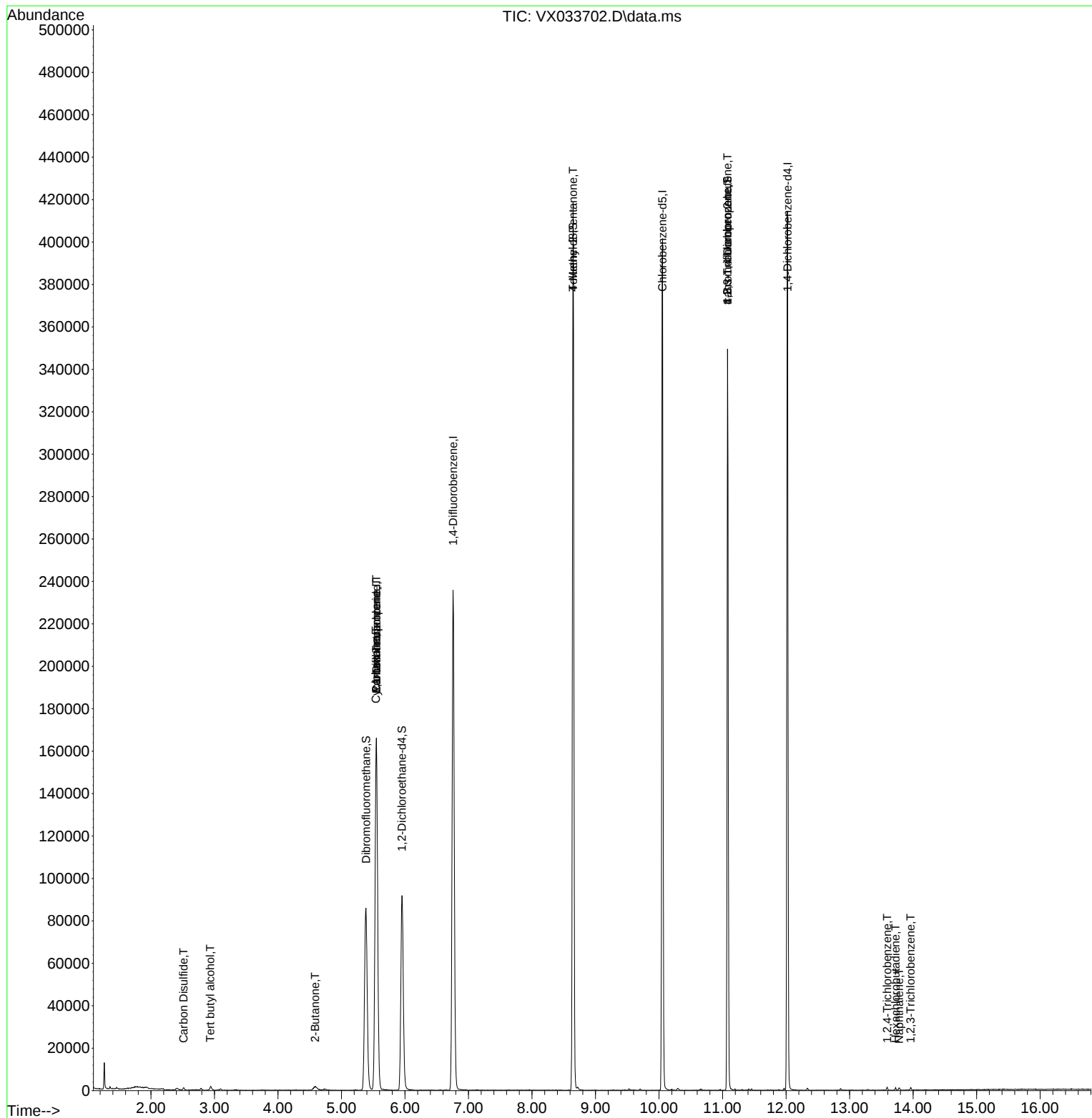
Internal Standards						
1) Pentafluorobenzene	5.550	168	174011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	245043	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	184620	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90521	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	90496	49.393	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.780%
35) Dibromofluoromethane	5.385	113	75902	49.884	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.760%
50) Toluene-d8	8.647	98	238596	43.037	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	86.080%#
62) 4-Bromofluorobenzene	11.079	95	85112	41.349	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	82.700%#
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.934	59	1071	3.365	ug/l #	86
16) Acetone	2.416	43	1617	Below Cal	#	89
17) Carbon Disulfide	2.514	76	1417	2.203	ug/l	98
20) Methylene Chloride	2.788	84	440	Below Cal	#	84
25) 2-Butanone	4.586	43	608	0.508	ug/l #	51
31) Cyclohexane	5.543	56	3155	1.170	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	11288	5.083	ug/l #	48
37) Ethyl Acetate	4.727	43	1289	Below Cal	#	73
38) Carbon Tetrachloride	5.550	117	15540	6.757	ug/l #	15
51) 4-Methyl-2-Pentanone	8.647	43	1191	0.553	ug/l #	1
73) Isopropylbenzene	10.963	105	225	Below Cal	#	66
75) 1,1,2,2-Tetrachloroethane	11.213	83	23	Below Cal	#	26
76) 1,2,3-Trichloropropane	11.079	75	44402	26.697	ug/l #	34
77) Bromobenzene	11.195	156	74	Below Cal	#	19
79) 2-Chlorotoluene	11.372	91	142	Below Cal	#	39
81) trans-1,4-Dichloro-2-b...	11.079	75	44402	82.971	ug/l #	8
82) 4-Chlorotoluene	11.457	91	399	Below Cal		73
93) 1,2,4-Trichlorobenzene	13.591	180	559	0.281	ug/l #	87
94) Hexachlorobutadiene	13.725	225	266	0.273	ug/l	91
95) Naphthalene	13.780	128	1218	0.213	ug/l #	90
96) 1,2,3-Trichlorobenzene	13.963	180	558	0.280	ug/l	89

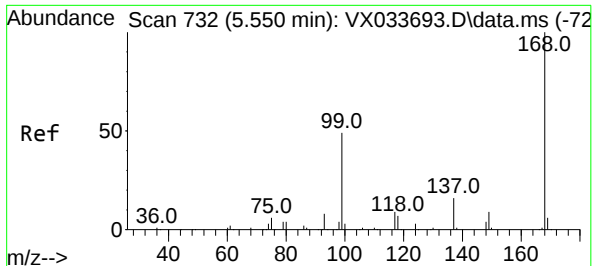
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX011223\
Data File : VX033702.D
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0112WBL01

Quant Time: Jan 13 00:40:09 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X01123W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 11 14:48:42 2023
Response via : Initial Calibration

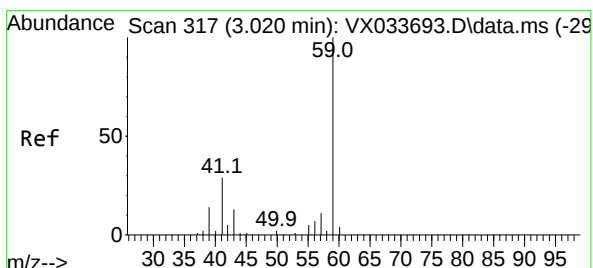
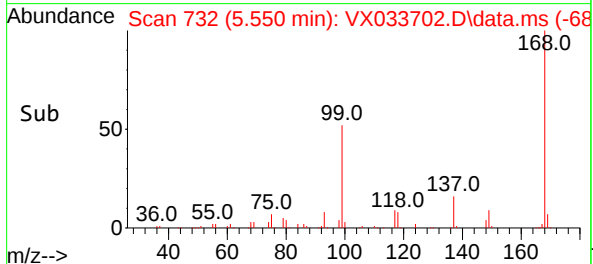
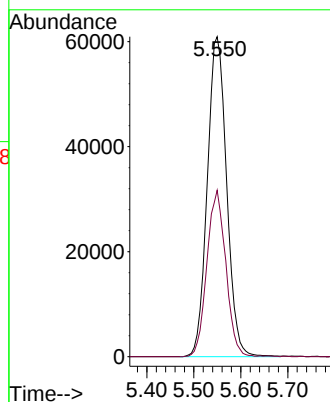
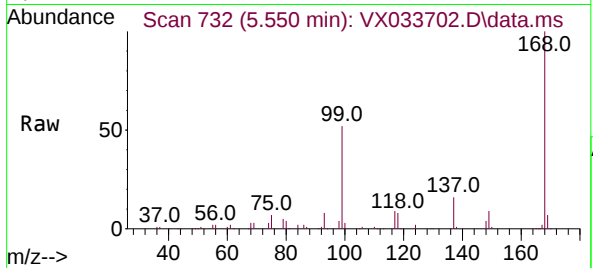




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX033702.D
Acq: 12 Jan 2023 10:46

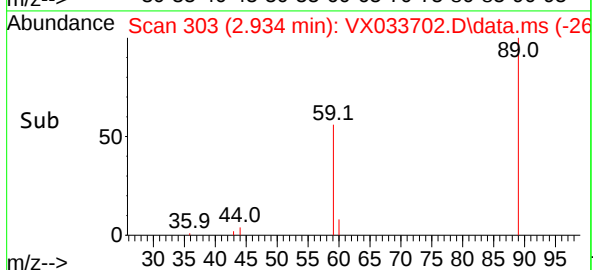
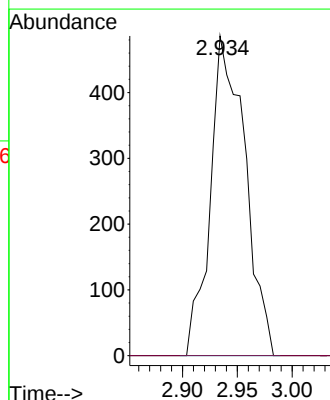
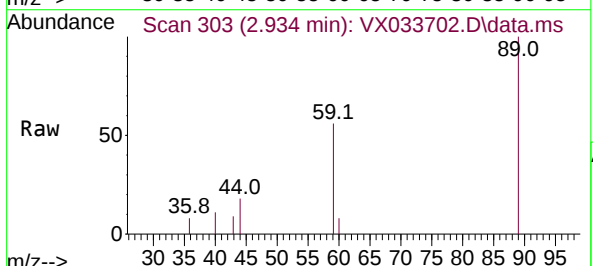
Instrument :
MSVOA_X
ClientSampleId :
VX0112WBL01

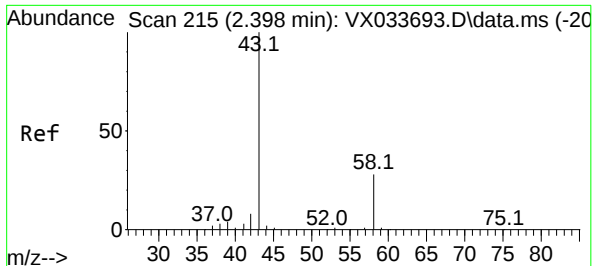
Tgt Ion:168 Resp: 174011
Ion Ratio Lower Upper
168 100
99 52.0 39.6 59.4



#11
Tert butyl alcohol
Concen: 3.365 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.086 min
Lab File: VX033702.D
Acq: 12 Jan 2023 10:46

Tgt Ion: 59 Resp: 1071
Ion Ratio Lower Upper
59 100
57 0.0 3.7 5.5#

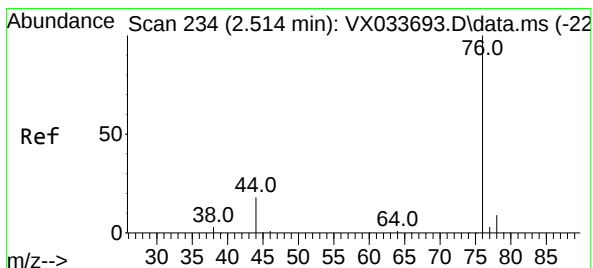
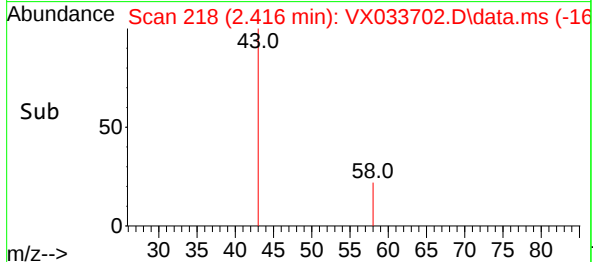
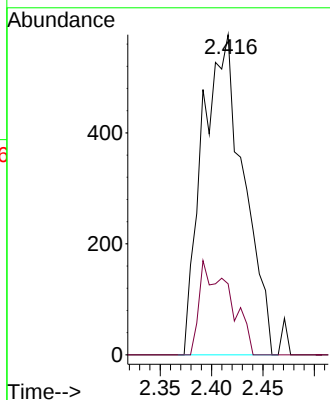
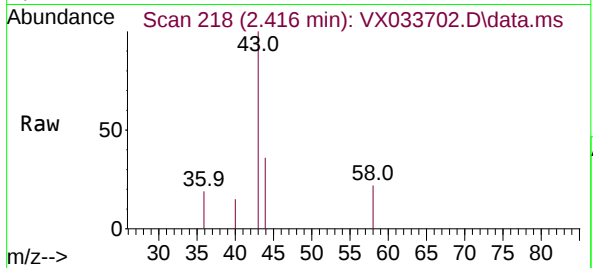




#16
Acetone
Concen: Below Cal
RT: 2.416 min Scan# 215
Delta R.T. 0.018 min
Lab File: VX033702.D
Acq: 12 Jan 2023 10:46

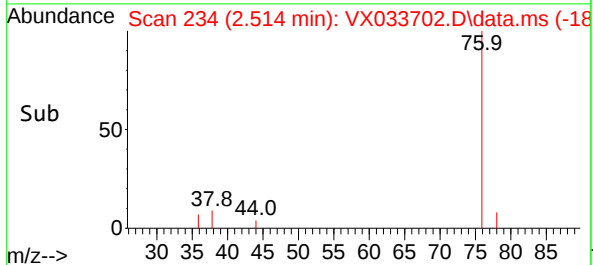
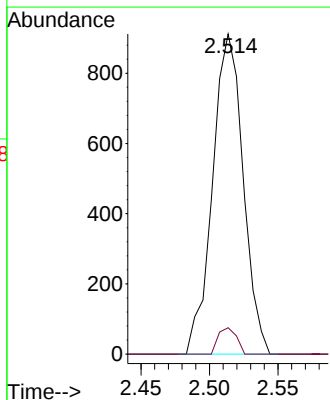
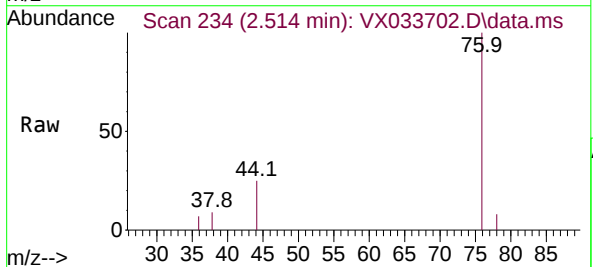
Instrument :
MSVOA_X
ClientSampleId :
VX0112WBL01

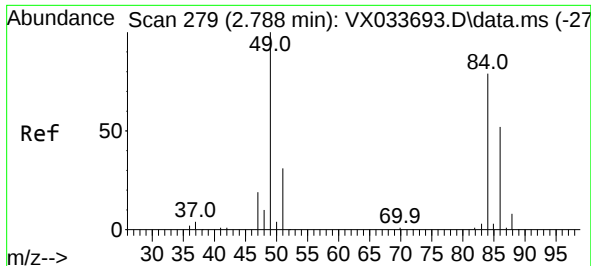
Tgt Ion: 43 Resp: 1617
Ion Ratio Lower Upper
43 100
58 22.2 22.6 33.8#



#17
Carbon Disulfide
Concen: 2.203 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX033702.D
Acq: 12 Jan 2023 10:46

Tgt Ion: 76 Resp: 1417
Ion Ratio Lower Upper
76 100
78 8.2 7.0 10.6

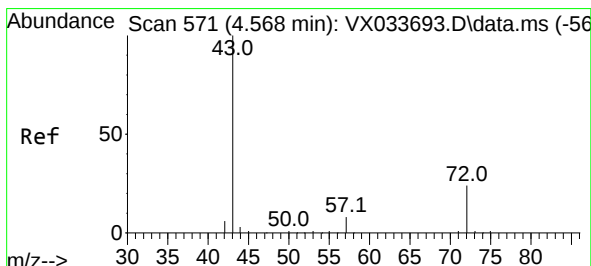
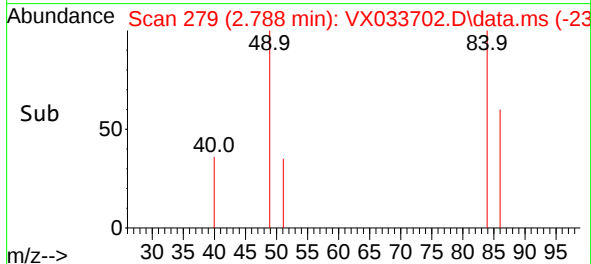
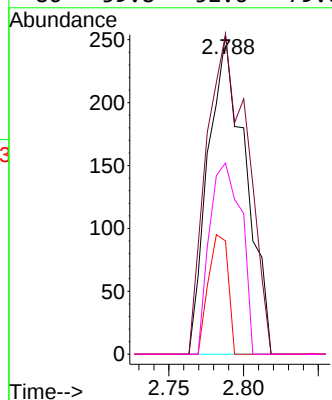
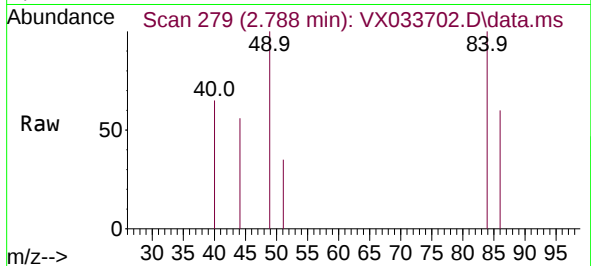




#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX033702.D
Acq: 12 Jan 2023 10:46

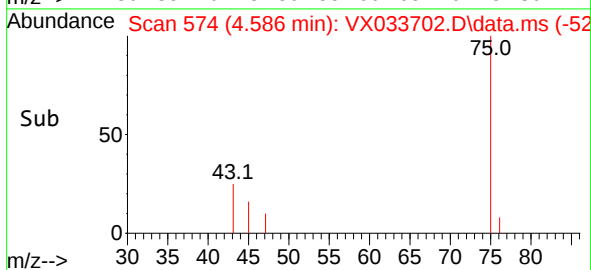
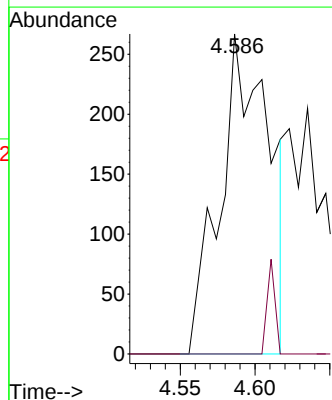
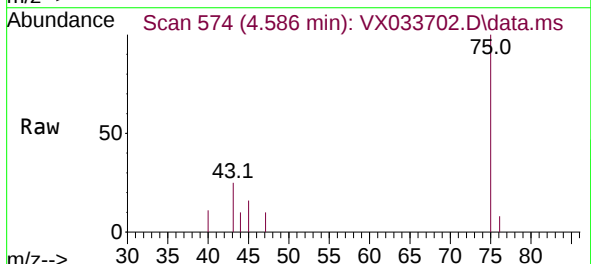
Instrument :
MSVOA_X
ClientSampleId :
VX0112WBL01

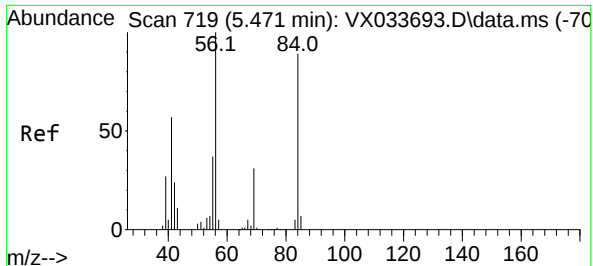
Tgt Ion:	84	Resp:	440
Ion	Ratio	Lower	Upper
84	100		
49	100.0	101.1	151.7#
51	35.4	31.0	46.6
86	59.8	52.6	79.0



#25
2-Butanone
Concen: 0.508 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX033702.D
Acq: 12 Jan 2023 10:46

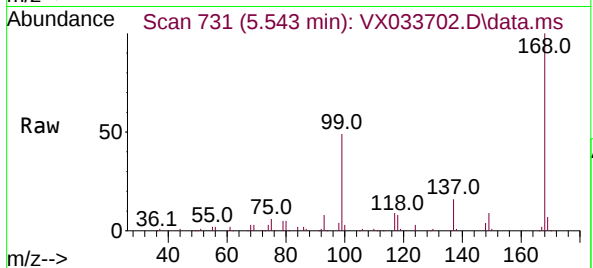
Tgt Ion:	43	Resp:	608
Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.4	29.2#



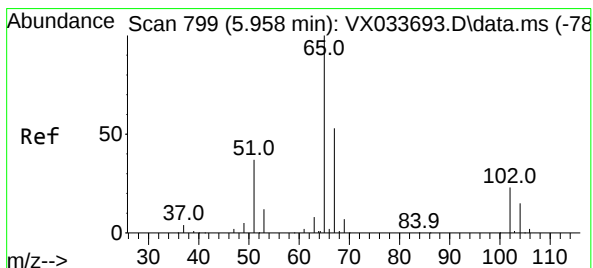
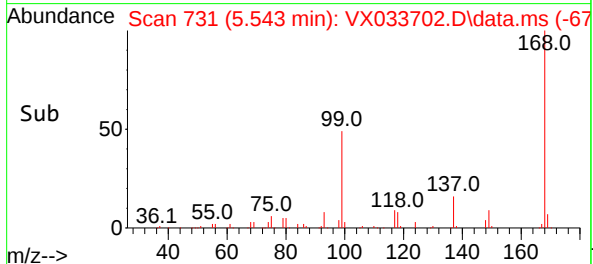
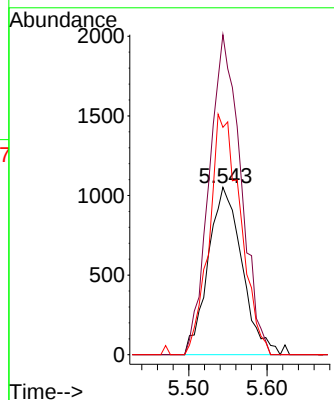


#31
Cyclohexane
Concen: 1.170 ug/l
RT: 5.543 min Scan# 719
Delta R.T. 0.073 min
Lab File: VX033702.D
Acq: 12 Jan 2023 10:46

Instrument :
MSVOA_X
ClientSampleId :
VX0112WBL01

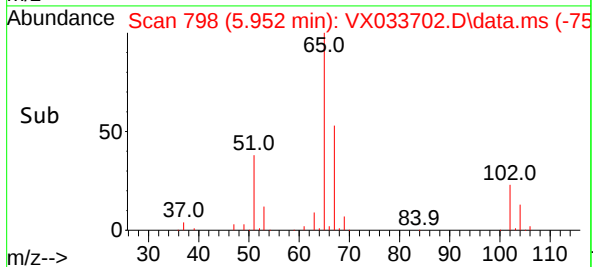
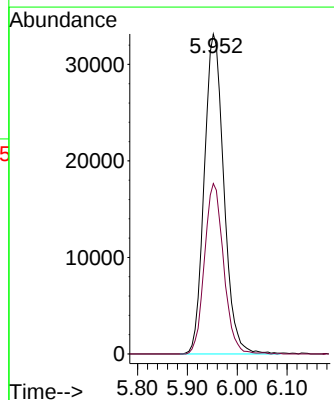
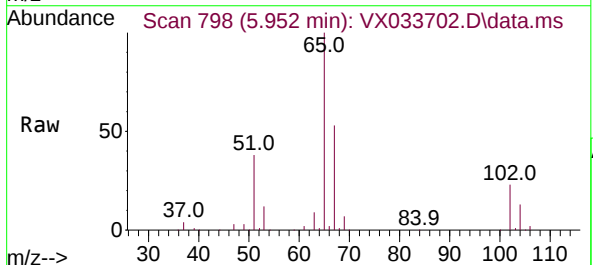


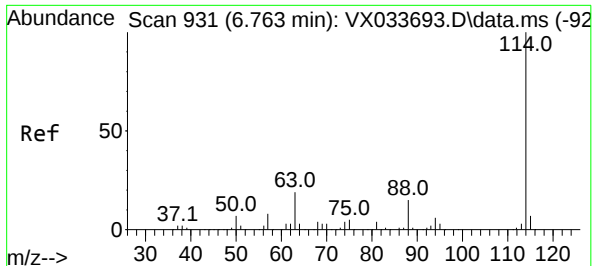
Tgt Ion: 56 Resp: 3155
Ion Ratio Lower Upper
56 100
69 191.2 24.6 37.0#
84 135.9 71.0 106.6#



#33
1,2-Dichloroethane-d4
Concen: 49.393 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.006 min
Lab File: VX033702.D
Acq: 12 Jan 2023 10:46

Tgt Ion: 65 Resp: 90496
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX033702.D

Acq: 12 Jan 2023 10:46

Instrument :

MSVOA_X

ClientSampleId :

VX0112WBL01

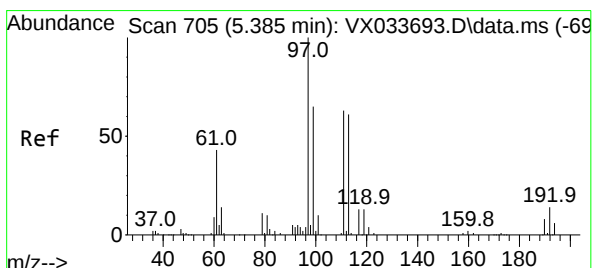
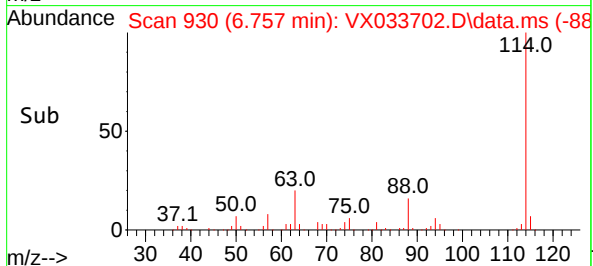
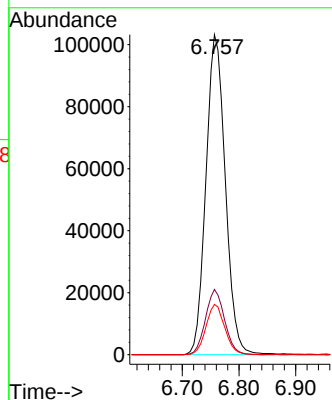
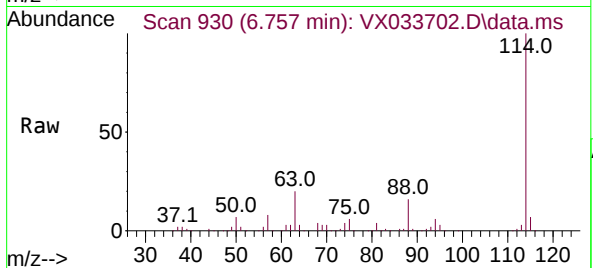
Tgt Ion:114 Resp: 245043

Ion Ratio Lower Upper

114 100

63 20.4 0.0 37.4

88 15.7 0.0 30.6



#35

Dibromofluoromethane

Concen: 49.884 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX033702.D

Acq: 12 Jan 2023 10:46

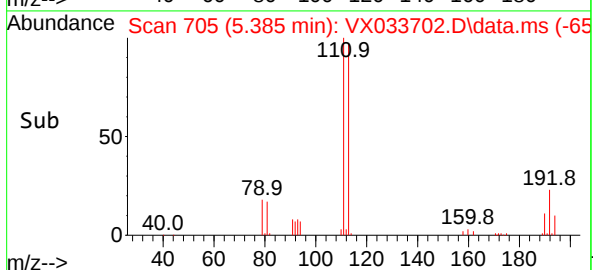
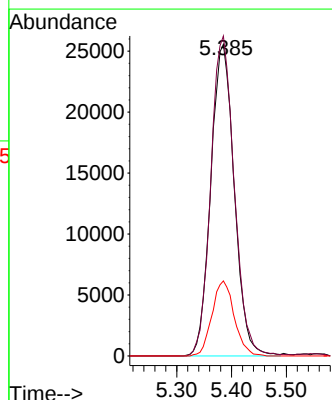
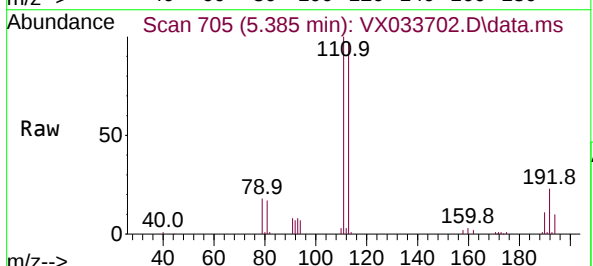
Tgt Ion:113 Resp: 75902

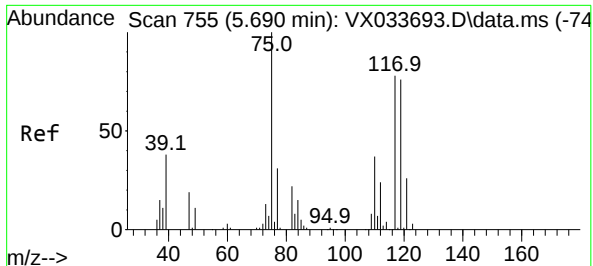
Ion Ratio Lower Upper

113 100

111 102.7 83.0 124.6

192 22.9 19.0 28.4





#36

1,1-Dichloropropene

Concen: 5.083 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.141 min

Lab File: VX033702.D

Acq: 12 Jan 2023 10:46

Instrument :

MSVOA_X

ClientSampleId :

VX0112WBL01

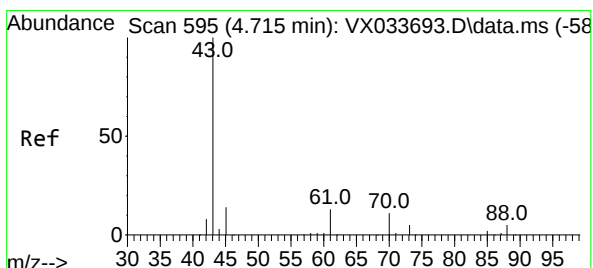
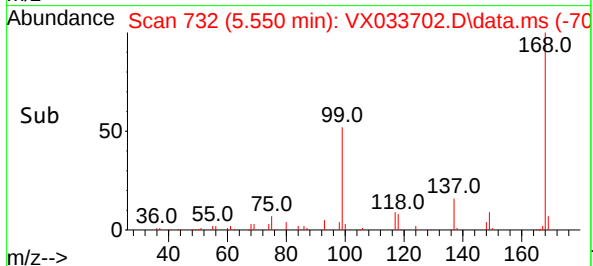
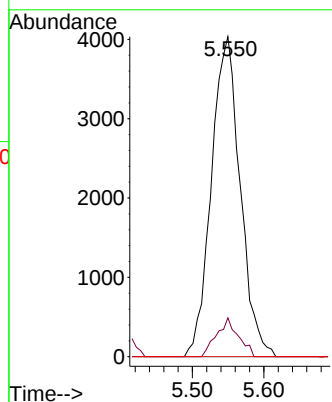
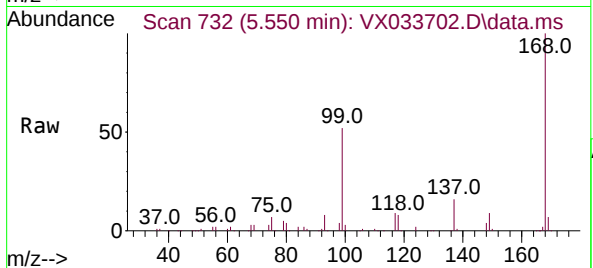
Tgt Ion: 75 Resp: 11288

Ion Ratio Lower Upper

75 100

110 9.1 18.8 56.4#

77 0.0 25.1 37.7#



#37

Ethyl Acetate

Concen: Below Cal

RT: 4.727 min Scan# 597

Delta R.T. 0.012 min

Lab File: VX033702.D

Acq: 12 Jan 2023 10:46

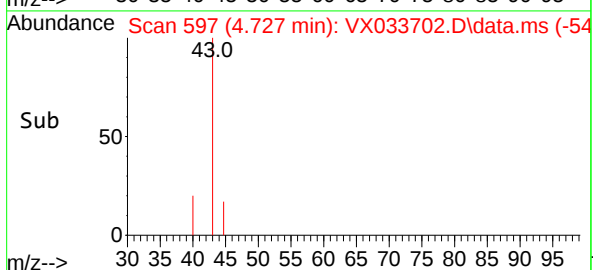
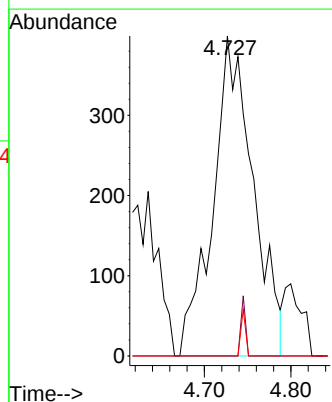
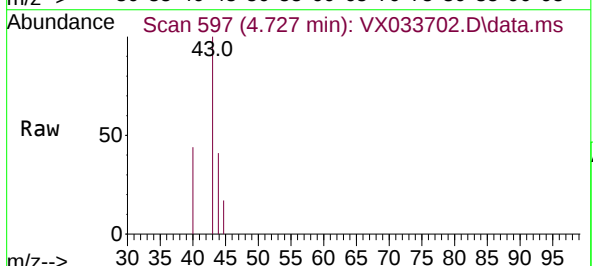
Tgt Ion: 43 Resp: 1289

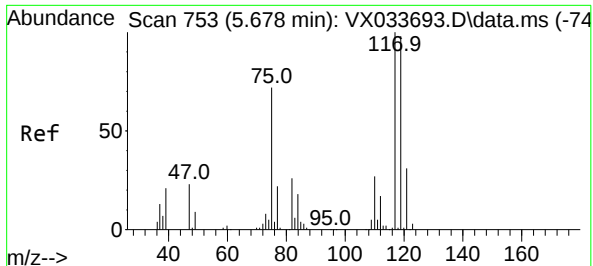
Ion Ratio Lower Upper

43 100

61 2.1 11.1 16.7#

70 1.6 8.5 12.7#

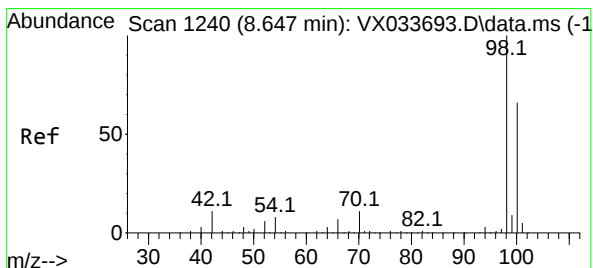
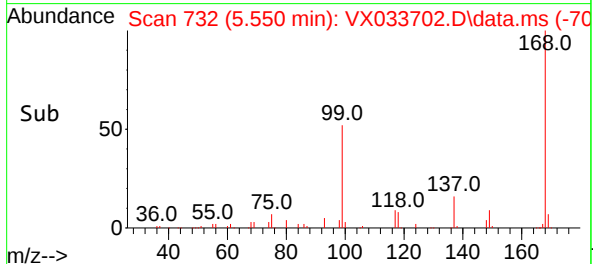
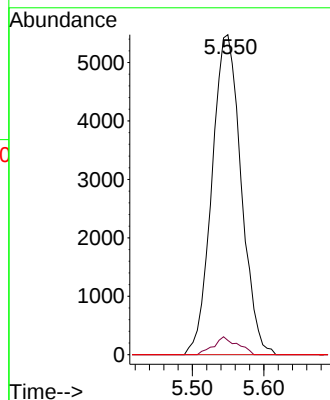
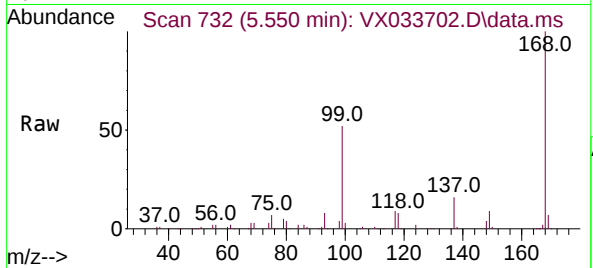




#38
Carbon Tetrachloride
Concen: 6.757 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX033702.D
Acq: 12 Jan 2023 10:46

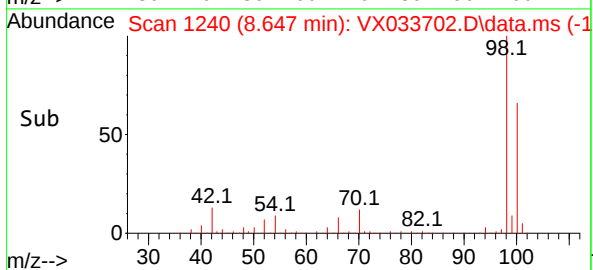
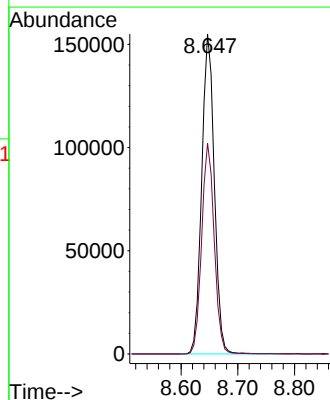
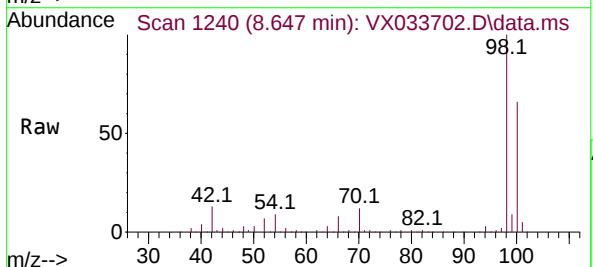
Instrument :
MSVOA_X
ClientSampleId :
VX0112WBL01

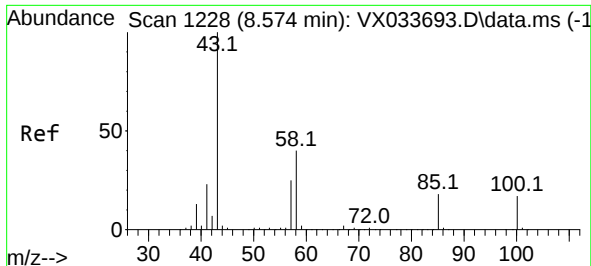
Tgt Ion:117 Resp: 15540
Ion Ratio Lower Upper
117 100
119 4.4 78.0 117.0#
121 0.0 24.4 36.6#



#50
Toluene-d8
Concen: 43.037 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX033702.D
Acq: 12 Jan 2023 10:46

Tgt Ion: 98 Resp: 238596
Ion Ratio Lower Upper
98 100
100 65.6 53.6 80.4





#51

4-Methyl-2-Pentanone

Concen: 0.553 ug/l

RT: 8.647 min Scan# 1191

Delta R.T. 0.073 min

Lab File: VX033702.D

Acq: 12 Jan 2023 10:46

Instrument :

MSVOA_X

ClientSampleId :

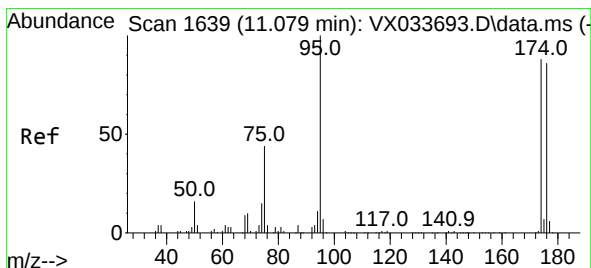
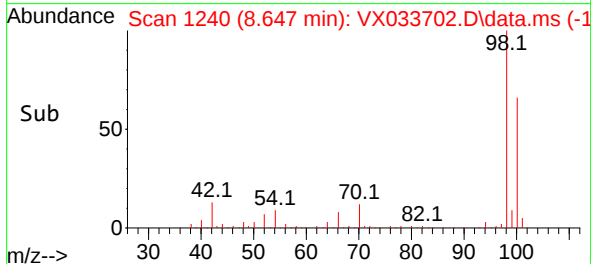
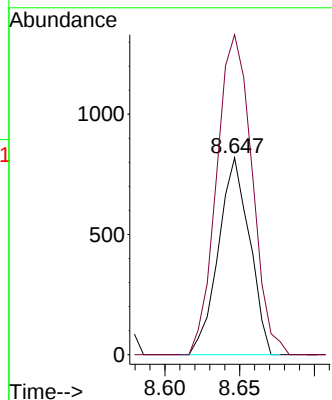
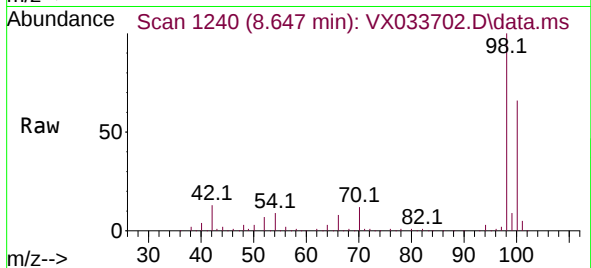
VX0112WBL01

Tgt Ion: 43 Resp: 1191

Ion Ratio Lower Upper

43 100

58 183.9 31.2 46.8#



#62

4-Bromofluorobenzene

Concen: 41.349 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX033702.D

Acq: 12 Jan 2023 10:46

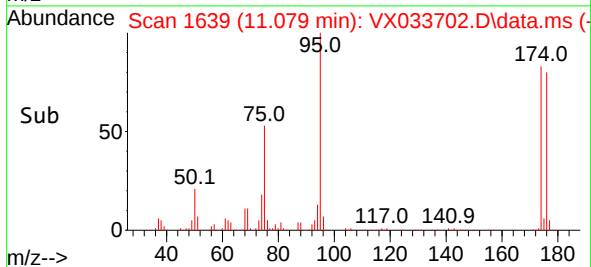
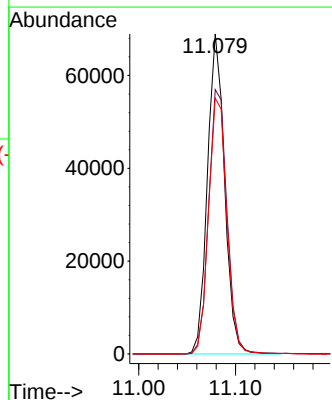
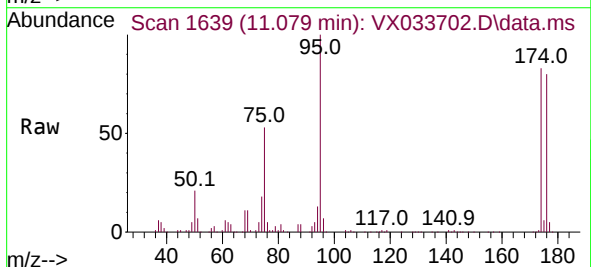
Tgt Ion: 95 Resp: 85112

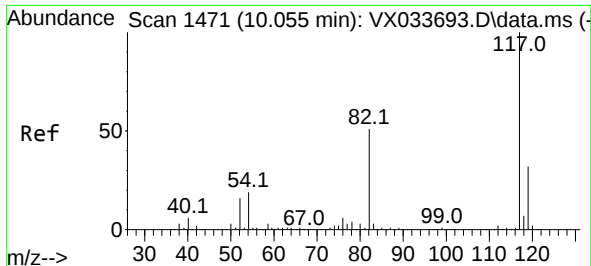
Ion Ratio Lower Upper

95 100

174 88.3 0.0 184.4

176 84.8 0.0 178.8

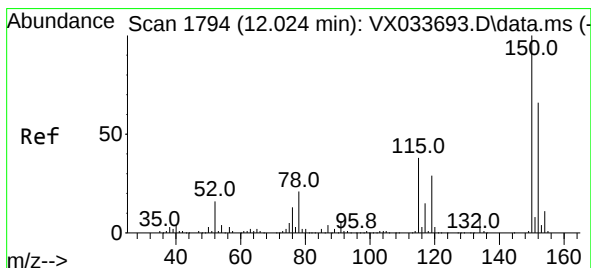
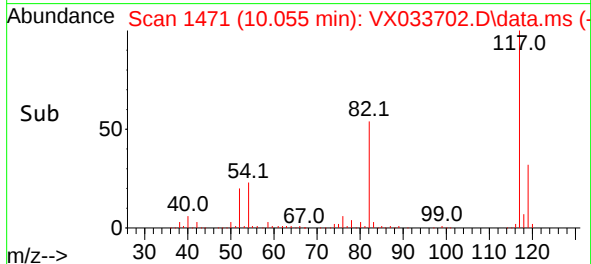
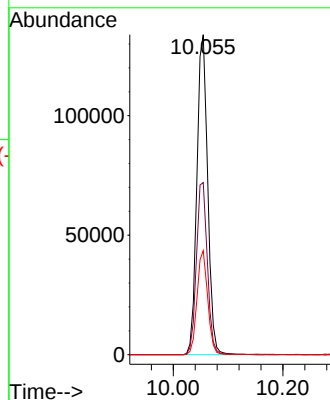
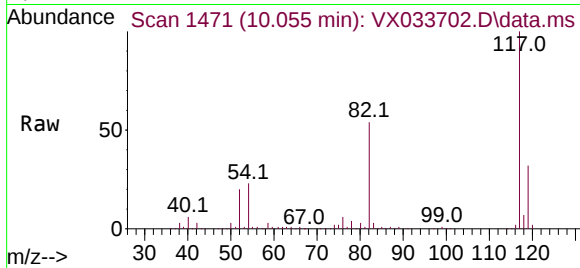




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX033702.D
Acq: 12 Jan 2023 10:46

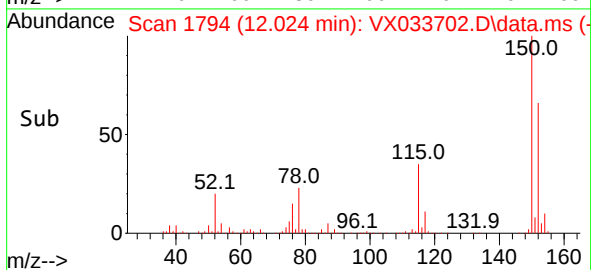
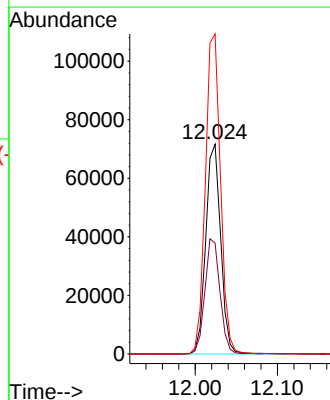
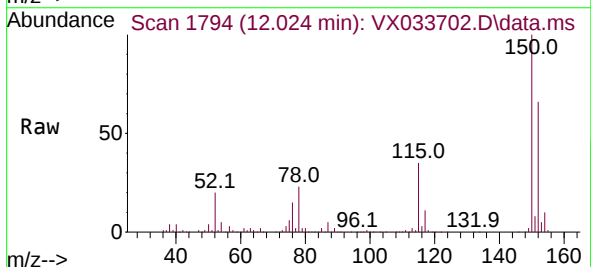
Instrument :
MSVOA_X
ClientSampleId :
VX0112WBL01

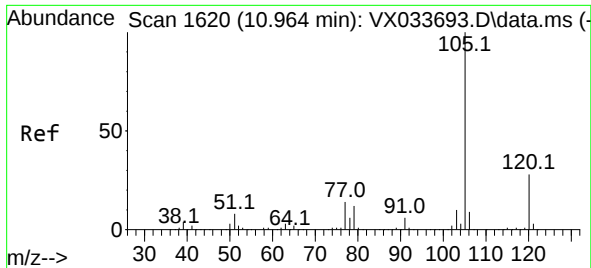
Tgt Ion:117 Resp: 184620
Ion Ratio Lower Upper
117 100
82 53.8 40.6 60.8
119 32.5 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX033702.D
Acq: 12 Jan 2023 10:46

Tgt Ion:152 Resp: 90521
Ion Ratio Lower Upper
152 100
115 55.5 38.7 116.1
150 154.2 0.0 348.2

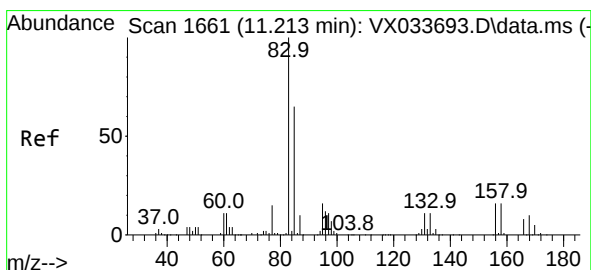
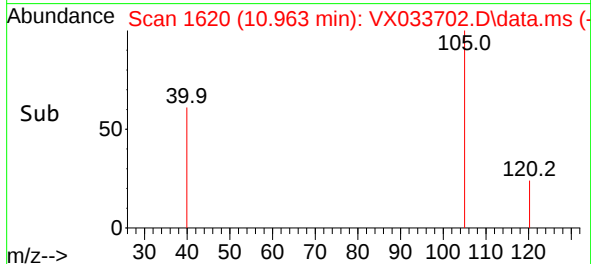
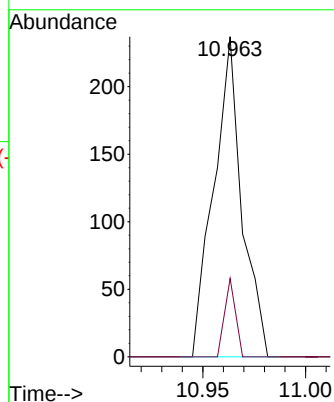
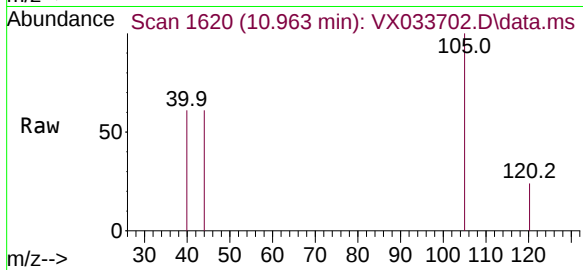




#73
Isopropylbenzene
Concen: Below Cal
RT: 10.963 min Scan# 1620
Delta R.T. -0.001 min
Lab File: VX033702.D
Acq: 12 Jan 2023 10:46

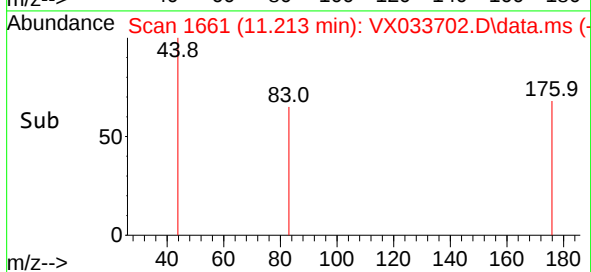
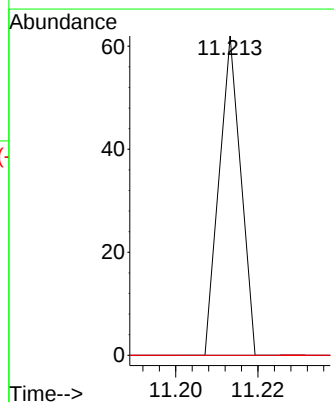
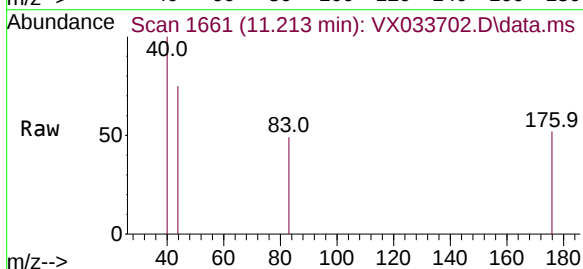
Instrument :
MSVOA_X
ClientSampleId :
VX0112WBL01

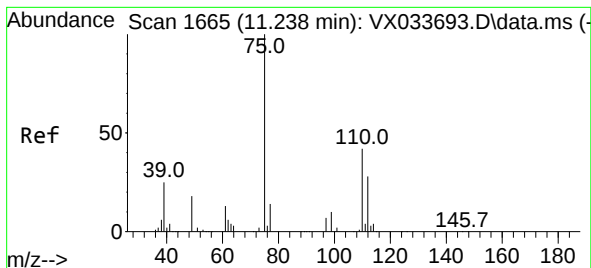
Tgt Ion:105 Resp: 225
Ion Ratio Lower Upper
105 100
120 9.3 13.6 40.8#



#75
1,1,2,2-Tetrachloroethane
Concen: Below Cal
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX033702.D
Acq: 12 Jan 2023 10:46

Tgt Ion: 83 Resp: 23
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.7#
85 0.0 32.3 96.9#





#76

1,2,3-Trichloropropane

Concen: 26.697 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX033702.D

Acq: 12 Jan 2023 10:46

Instrument :

MSVOA_X

ClientSampleId :

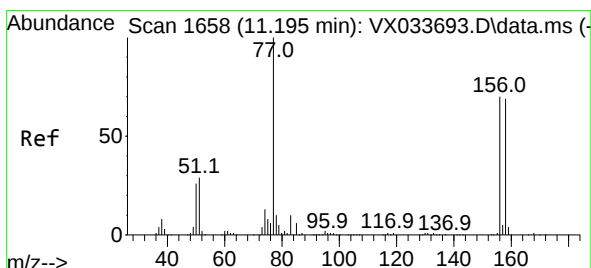
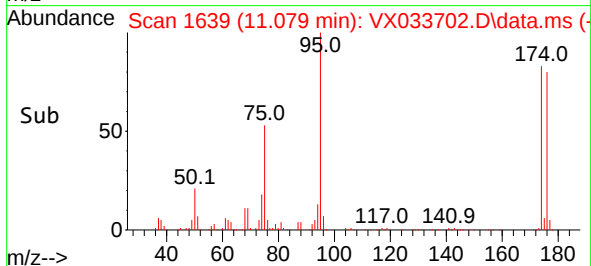
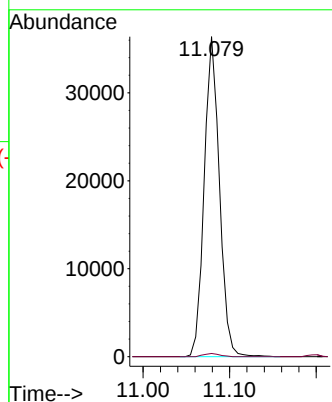
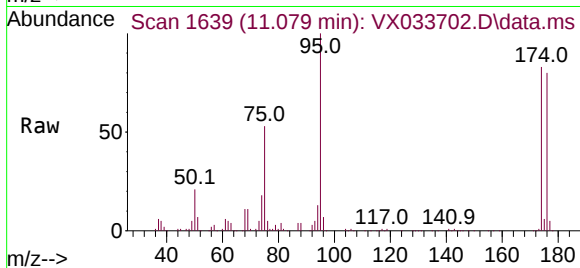
VX0112WBL01

Tgt Ion: 75 Resp: 44402

Ion Ratio Lower Upper

75 100

77 1.0 21.8 65.4#



#77

Bromobenzene

Concen: Below Cal

RT: 11.195 min Scan# 1658

Delta R.T. -0.000 min

Lab File: VX033702.D

Acq: 12 Jan 2023 10:46

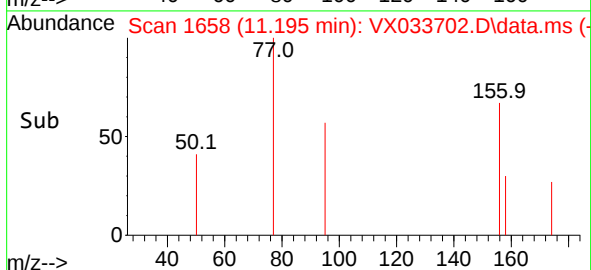
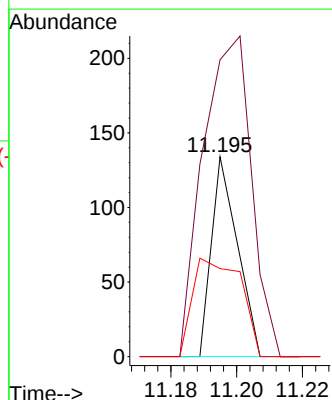
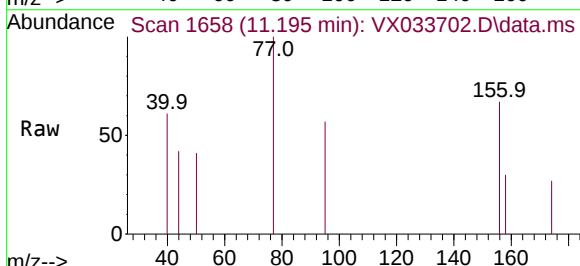
Tgt Ion:156 Resp: 74

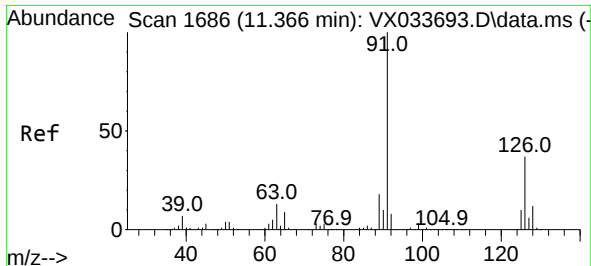
Ion Ratio Lower Upper

156 100

77 295.9 68.1 204.3#

158 90.5 48.0 144.2

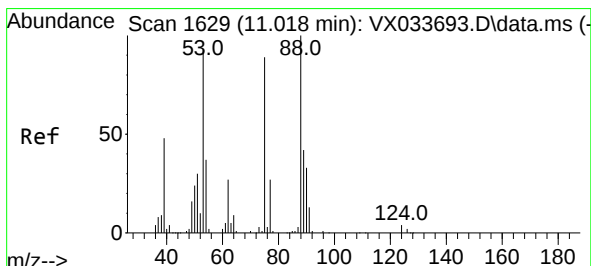
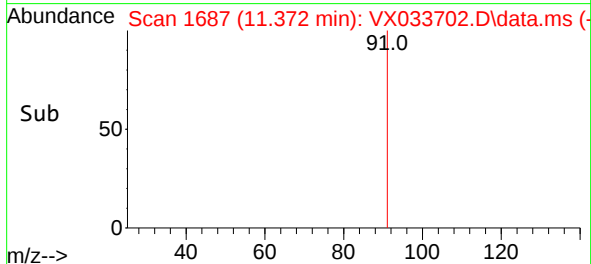
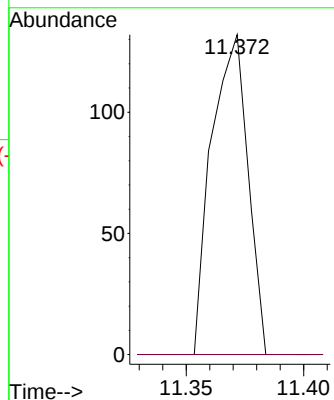
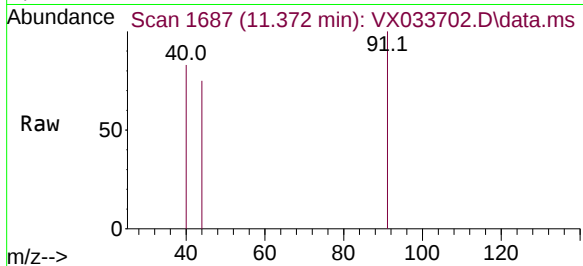




#79
2-Chlorotoluene
Concen: Below Cal
RT: 11.372 min Scan# 1687
Delta R.T. 0.006 min
Lab File: VX033702.D
Acq: 12 Jan 2023 10:46

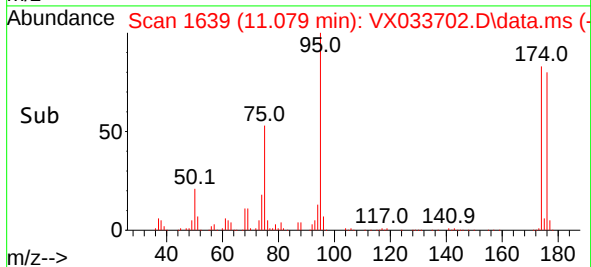
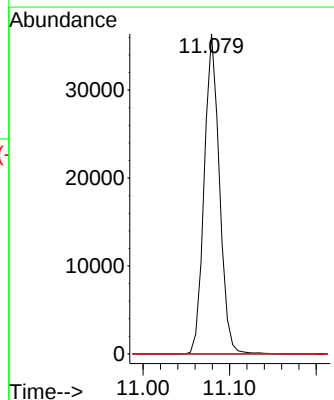
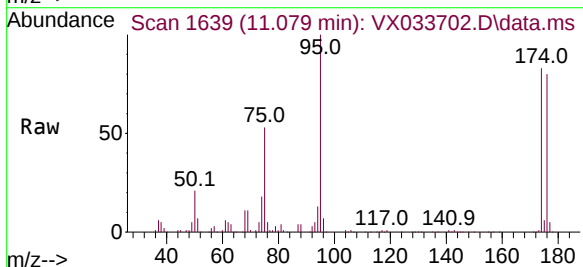
Instrument :
MSVOA_X
ClientSampleId :
VX0112WBL01

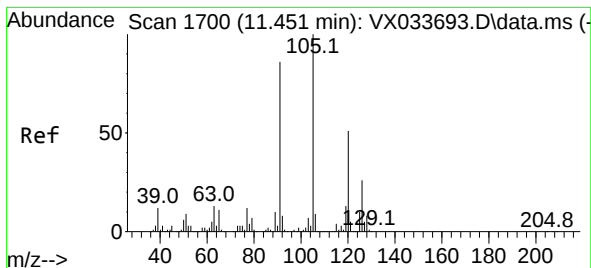
Tgt Ion: 91 Resp: 142
Ion Ratio Lower Upper
91 100
126 0.0 18.1 54.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.971 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033702.D
Acq: 12 Jan 2023 10:46

Tgt Ion: 75 Resp: 44402
Ion Ratio Lower Upper
75 100
53 0.0 83.0 124.6#
89 0.0 37.7 56.5#

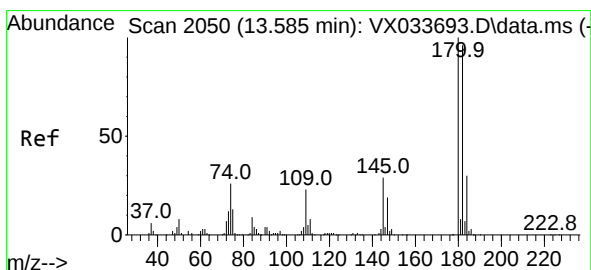
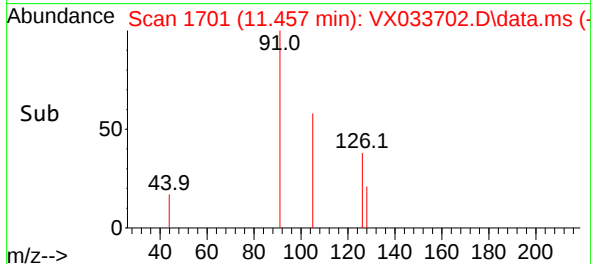
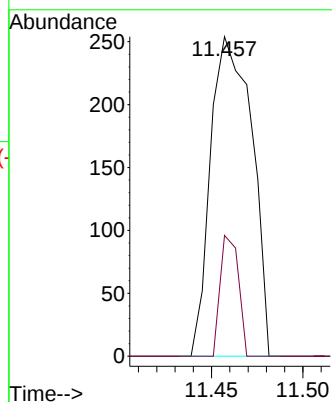
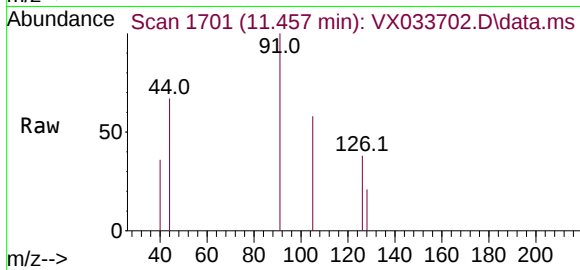




#82
4-Chlorotoluene
Concen: Below Cal
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX033702.D
Acq: 12 Jan 2023 10:46

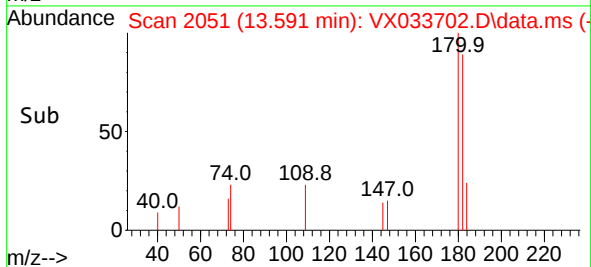
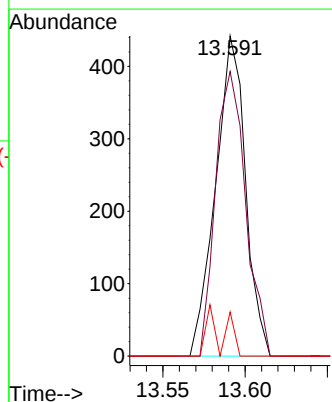
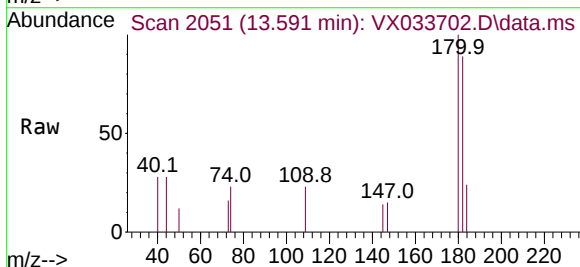
Instrument :
MSVOA_X
ClientSampleId :
VX0112WBL01

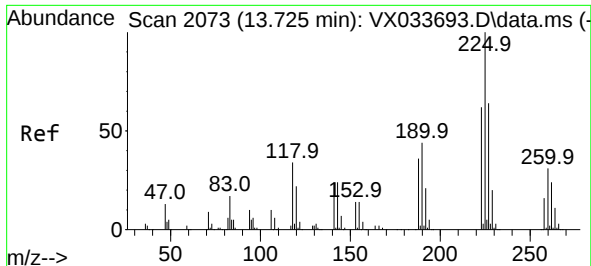
Tgt Ion: 91 Resp: 399
Ion Ratio Lower Upper
91 100
126 16.8 15.8 47.4



#93
1,2,4-Trichlorobenzene
Concen: 0.281 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. 0.006 min
Lab File: VX033702.D
Acq: 12 Jan 2023 10:46

Tgt Ion: 180 Resp: 559
Ion Ratio Lower Upper
180 100
182 89.4 47.9 143.6
145 8.6 14.1 42.2#

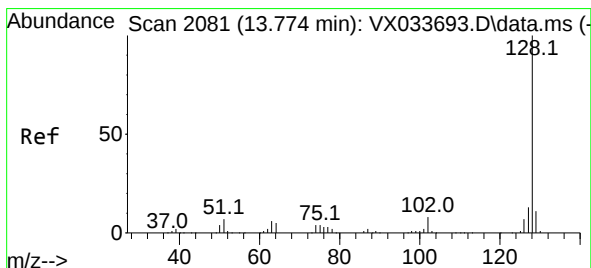
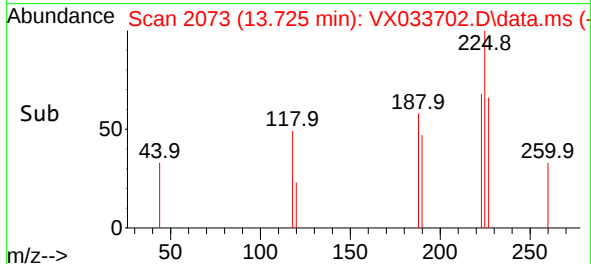
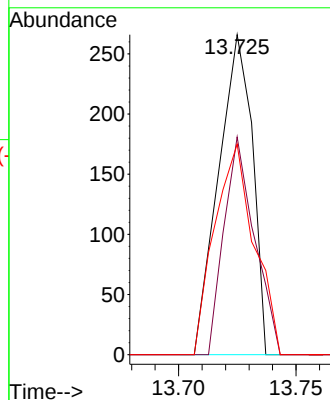
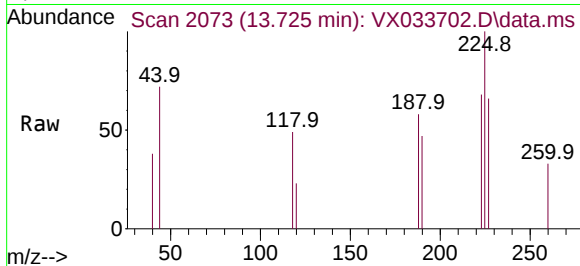




#94
Hexachlorobutadiene
Concen: 0.273 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. -0.000 min
Lab File: VX033702.D
Acq: 12 Jan 2023 10:46

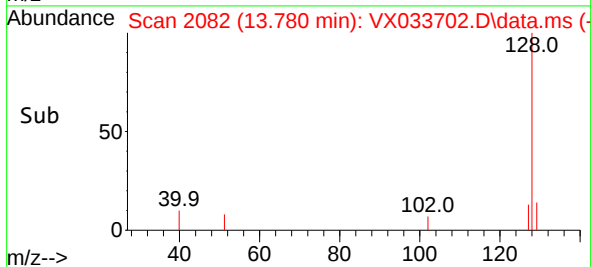
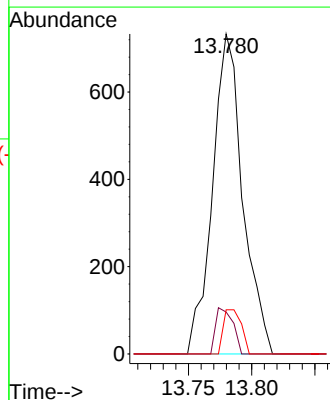
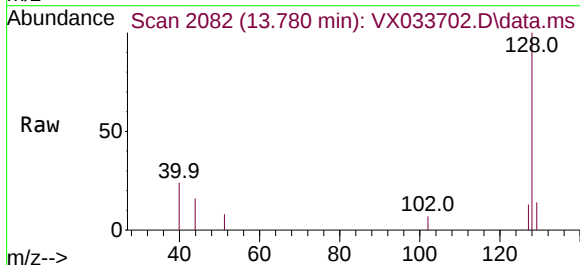
Instrument :
MSVOA_X
ClientSampleId :
VX0112WBL01

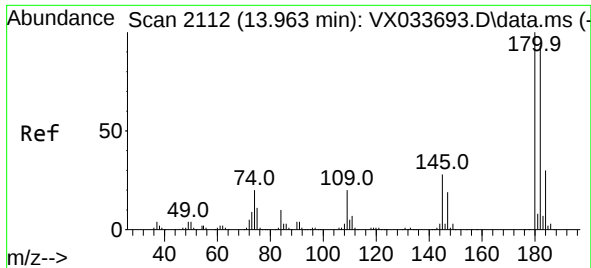
Tgt Ion:	225	Resp:	266
Ion	Ratio	Lower	Upper
225	100		
223	61.3	31.3	93.9
227	77.1	32.3	96.9



#95
Naphthalene
Concen: 0.213 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX033702.D
Acq: 12 Jan 2023 10:46

Tgt Ion:	128	Resp:	1218
Ion	Ratio	Lower	Upper
128	100		
127	8.2	10.3	15.5#
129	8.1	8.7	13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.280 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX033702.D
 Acq: 12 Jan 2023 10:46

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0112WBL01

Tgt Ion:180 Resp: 558
 Ion Ratio Lower Upper
 180 100
 182 88.5 47.6 142.9
 145 17.6 15.1 45.3

