

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120224\
 Data File : VX044077.D
 Acq On : 02 Dec 2024 19:27
 Operator : JC/MD
 Sample : P5006-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 03 00:28:47 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 22 03:45:52 2024
 Response via : Initial Calibration

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

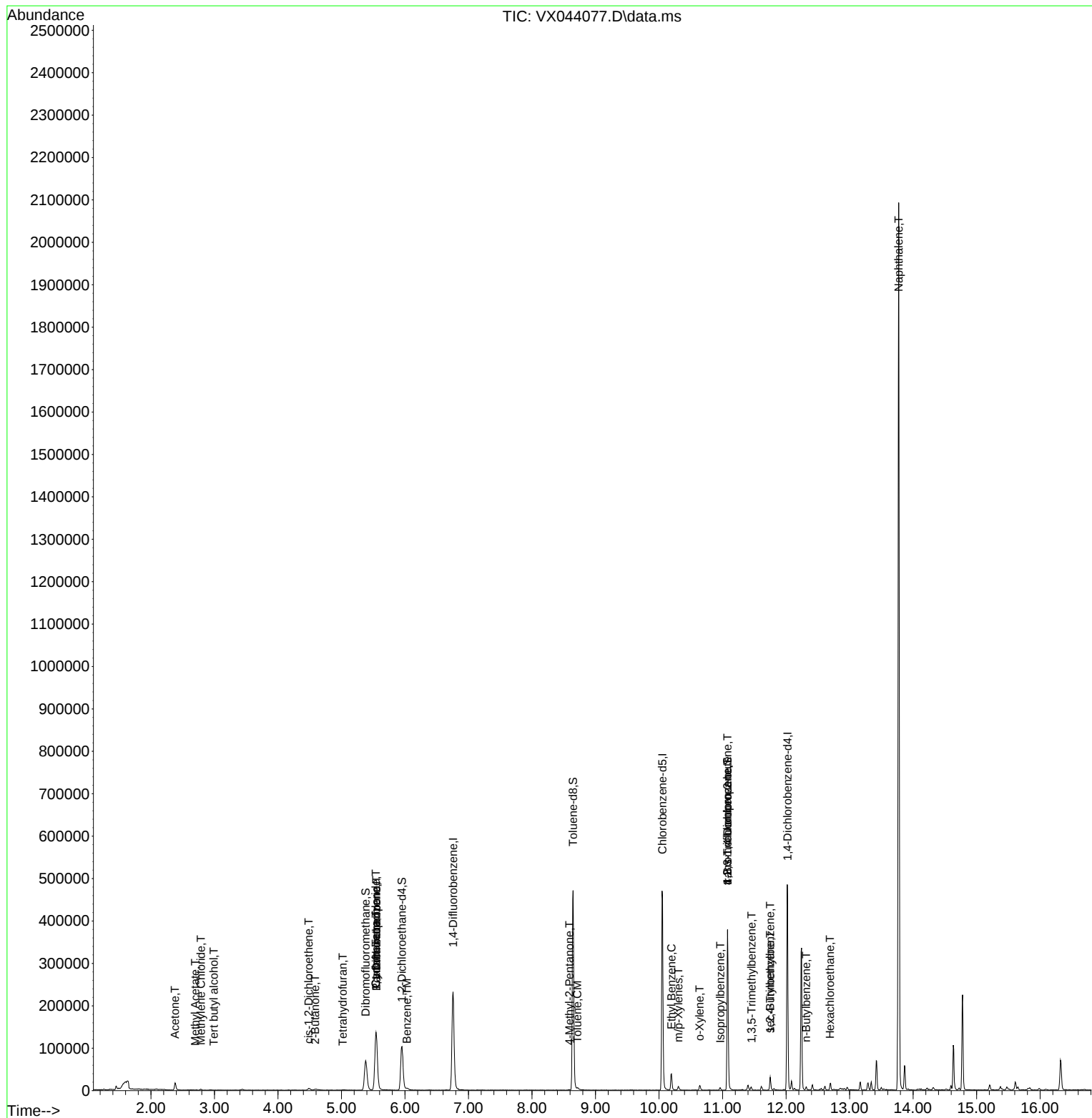
Internal Standards						
1) Pentafluorobenzene	5.550	168	116858	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.757	114	228656	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	203255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	104277	52.026	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.060%			
35) Dibromofluoromethane	5.379	113	60617	37.100	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 74.200%#			
50) Toluene-d8	8.647	98	281785	50.032	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.060%			
62) 4-Bromofluorobenzene	11.079	95	99767	52.050	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 104.100%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.989	59	321	0.998	ug/l #	73
16) Acetone	2.380	43	18162	19.729	ug/l	96
18) Methyl Acetate	2.697	43	468	0.218	ug/l #	52
20) Methylene Chloride	2.788	84	971	0.622	ug/l #	63
25) 2-Butanone	4.587	43	3339	2.811	ug/l #	88
27) cis-1,2-Dichloroethene	4.483	96	2586	1.505	ug/l	89
29) Tetrahydrofuran	5.019	42	240	0.330	ug/l #	56
31) Cyclohexane	5.544	56	3284	1.470	ug/l #	24
36) 1,1-Dichloropropene	5.550	75	11958	5.873	ug/l #	50
38) Carbon Tetrachloride	5.544	117	14191	6.203	ug/l #	16
40) Benzene	6.031	78	4929	0.777	ug/l	97
51) 4-Methyl-2-Pentanone	8.592	43	961	0.392	ug/l #	84
52) Toluene	8.714	92	1252	0.330	ug/l	94
67) Ethyl Benzene	10.195	91	24208	3.200	ug/l	92
68) m/p-Xylenes	10.305	106	2223	0.788	ug/l	84
69) o-Xylene	10.640	106	2550	0.926	ug/l	94
73) Isopropylbenzene	10.963	105	3128	0.452	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	57264	29.010	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.457	105	3246	0.570	ug/l	94
81) trans-1,4-Dichloro-2-b...	11.079	75	57264	79.160	ug/l #	6
84) 1,2,4-Trimethylbenzene	11.750	105	12720	2.244	ug/l	99
85) sec-Butylbenzene	11.750	105	12720	1.840	ug/l #	57
89) n-Butylbenzene	12.317	91	1011	0.204	ug/l #	10
90) Hexachloroethane	12.695	117	6380	6.682	ug/l #	18
95) Naphthalene	13.774	128	1191529	185.063	ug/l	100

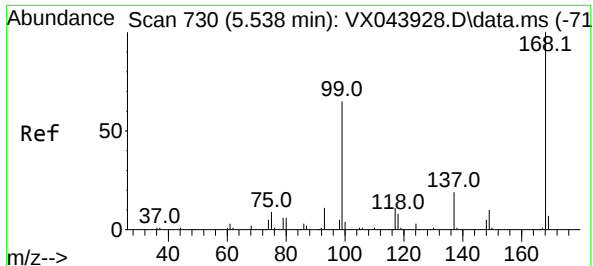
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120224\
Data File : VX044077.D
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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Dec 03 00:28:47 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X112124W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 22 03:45:52 2024
Response via : Initial Calibration



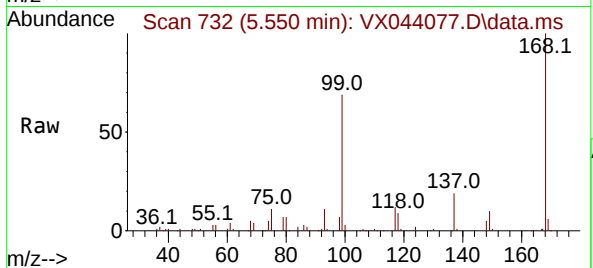


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.012 min
Lab File: VX044077.D
Acq: 02 Dec 2024 19:27

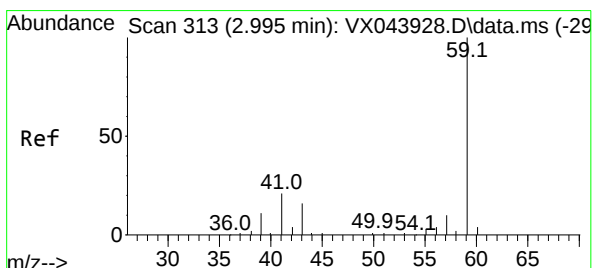
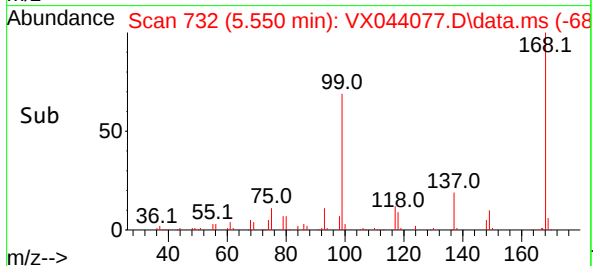
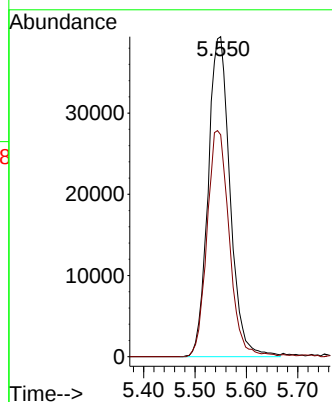
Instrument :

MSVOA_X

ClientSampleId :

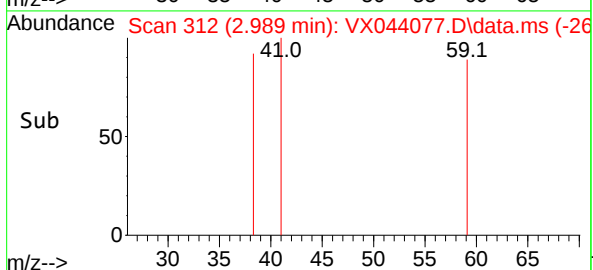
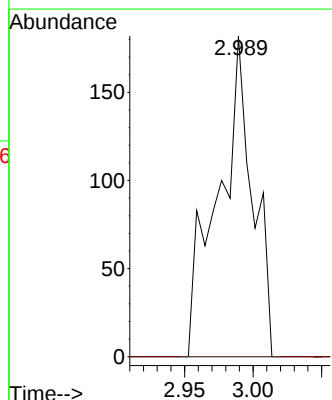
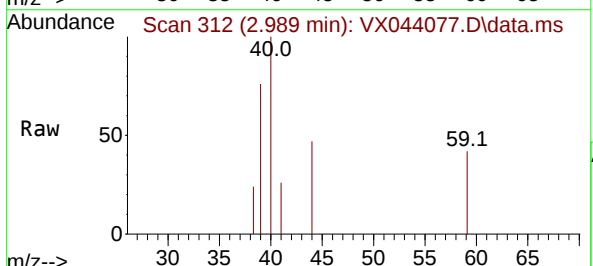


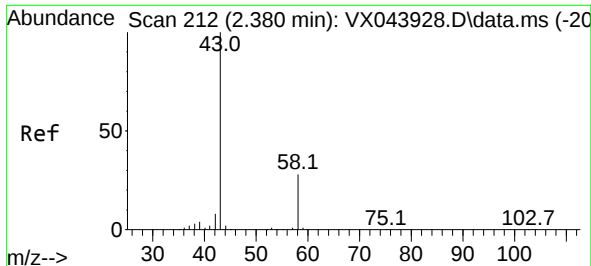
Tgt Ion:168 Resp: 116858
Ion Ratio Lower Upper
168 100
99 69.4 51.8 77.8



#11
Tert butyl alcohol
Concen: 0.998 ug/l
RT: 2.989 min Scan# 312
Delta R.T. -0.006 min
Lab File: VX044077.D
Acq: 02 Dec 2024 19:27

Tgt Ion: 59 Resp: 321
Ion Ratio Lower Upper
59 100
57 0.0 7.9 11.9#

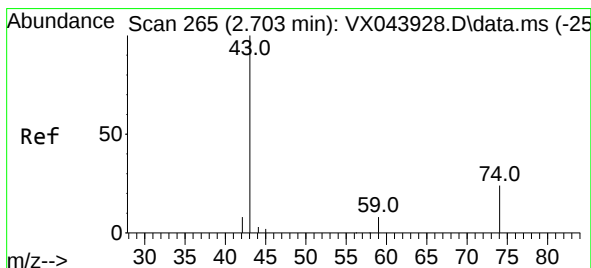
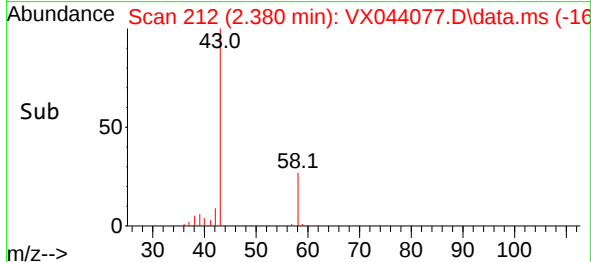
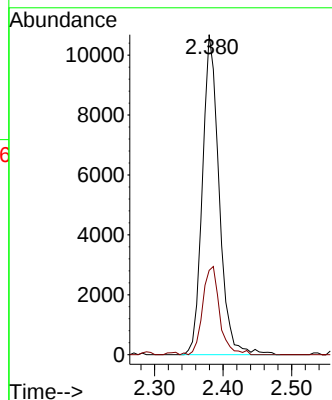
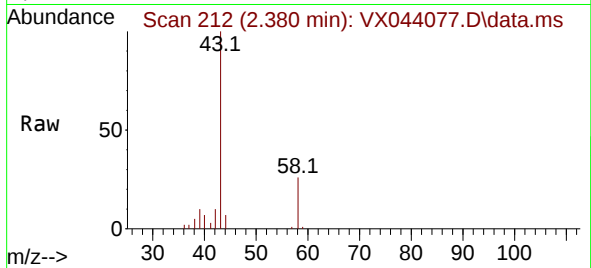




#16
Acetone
Concen: 19.729 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX044077.D
Acq: 02 Dec 2024 19:27

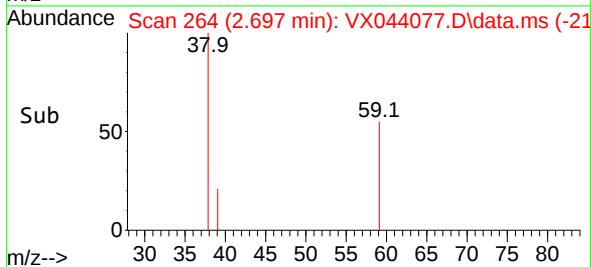
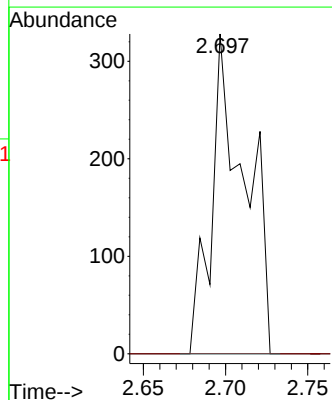
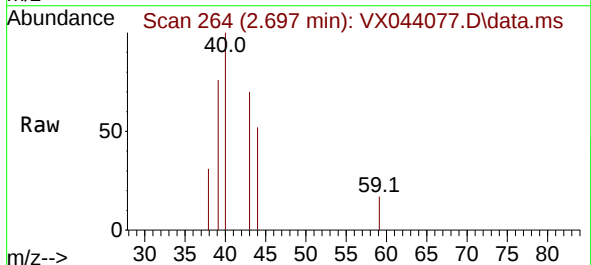
Instrument :
MSVOA_X
ClientSampleId :

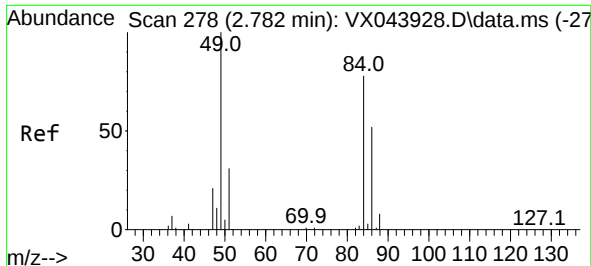
Tgt Ion: 43 Resp: 18162
Ion Ratio Lower Upper
43 100
58 26.4 22.7 34.1



#18
Methyl Acetate
Concen: 0.218 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.006 min
Lab File: VX044077.D
Acq: 02 Dec 2024 19:27

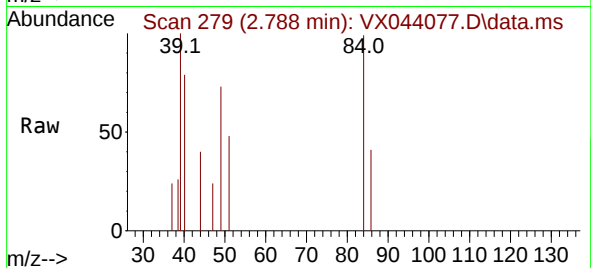
Tgt Ion: 43 Resp: 468
Ion Ratio Lower Upper
43 100
74 0.0 18.9 28.3#



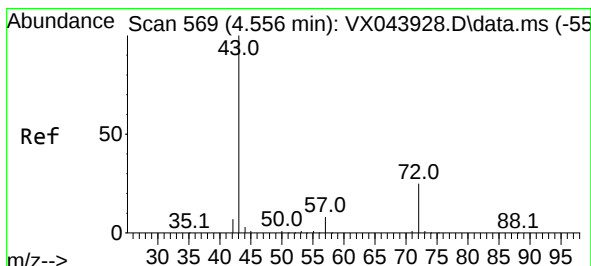
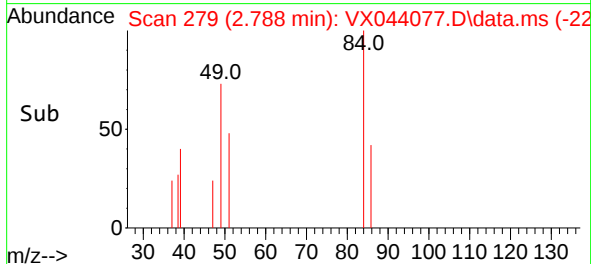
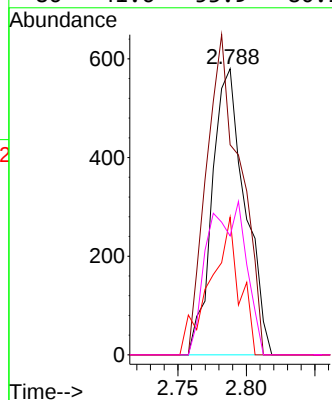


#20
Methylene Chloride
Concen: 0.622 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX044077.D
Acq: 02 Dec 2024 19:27

Instrument :
MSVOA_X
ClientSampleId :

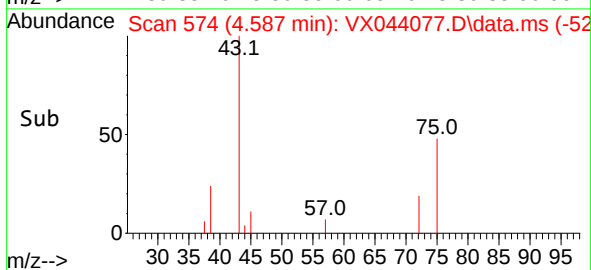
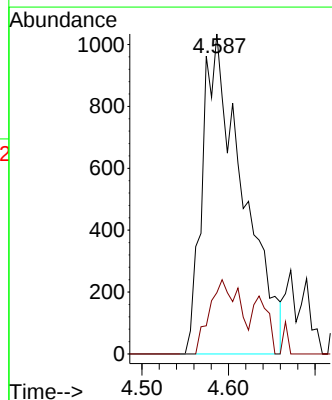
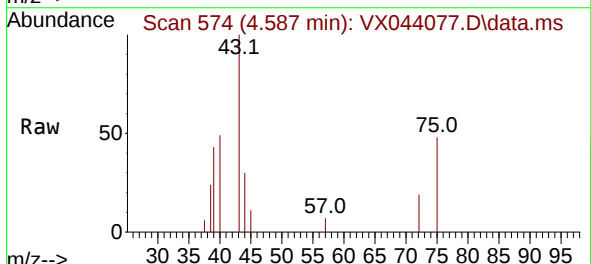


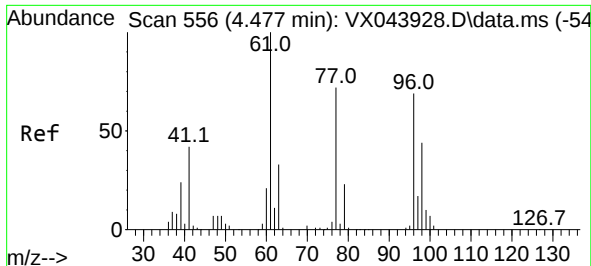
Tgt Ion:	84	Resp:	971
Ion	Ratio	Lower	Upper
84	100		
49	73.4	102.7	154.1#
51	48.1	31.7	47.5#
86	41.6	53.9	80.9#



#25
2-Butanone
Concen: 2.811 ug/l
RT: 4.587 min Scan# 574
Delta R.T. 0.030 min
Lab File: VX044077.D
Acq: 02 Dec 2024 19:27

Tgt Ion:	43	Resp:	3339
Ion	Ratio	Lower	Upper
43	100		
72	19.1	20.2	30.2#





#27

cis-1,2-Dichloroethene

Concen: 1.505 ug/l

RT: 4.483 min Scan# 51

Delta R.T. 0.006 min

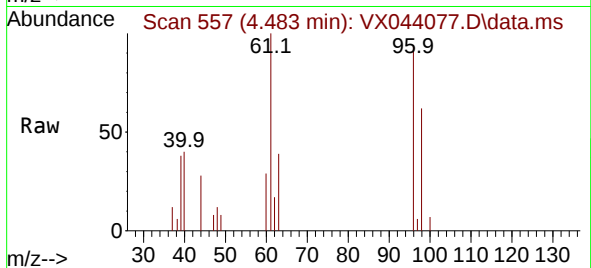
Lab File: VX044077.D

Acq: 02 Dec 2024 19:27

Instrument :

MSVOA_X

ClientSampleId :



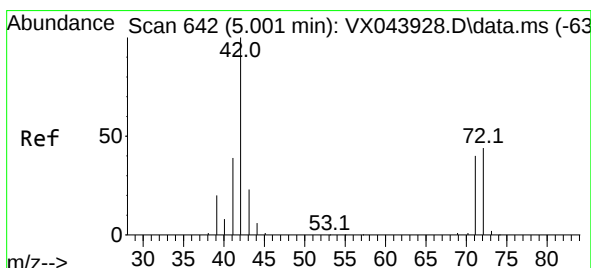
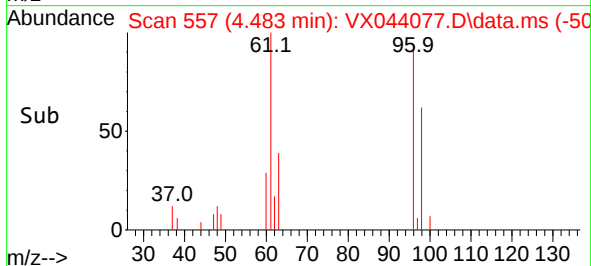
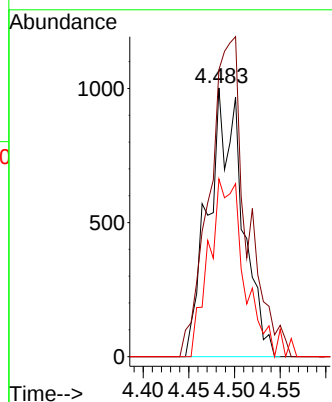
Tgt Ion: 96 Resp: 2586

Ion Ratio Lower Upper

96 100

61 130.9 0.0 297.4

98 67.7 0.0 127.8



#29

Tetrahydrofuran

Concen: 0.330 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.018 min

Lab File: VX044077.D

Acq: 02 Dec 2024 19:27

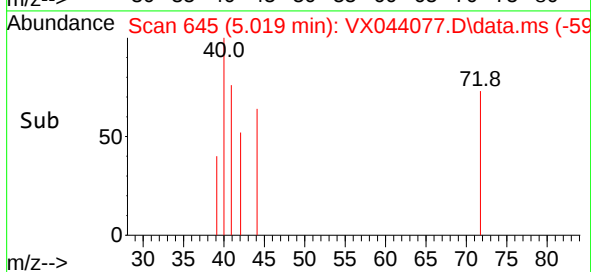
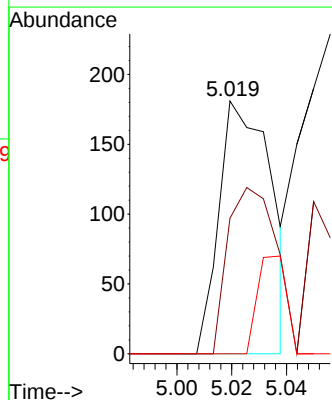
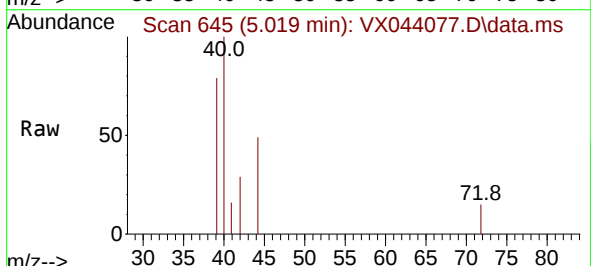
Tgt Ion: 42 Resp: 240

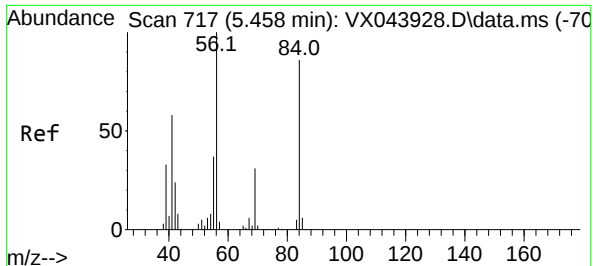
Ion Ratio Lower Upper

42 100

72 60.8 36.4 54.6#

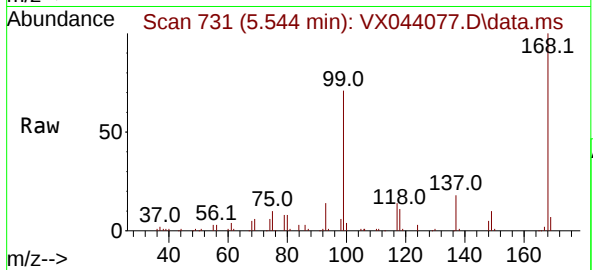
71 0.0 33.4 50.0#



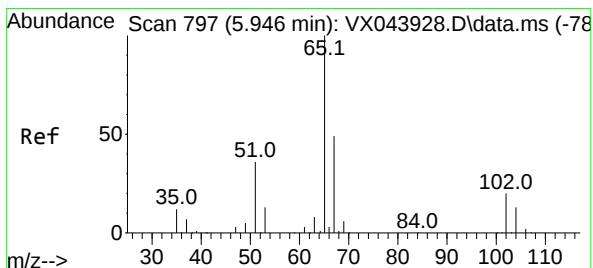
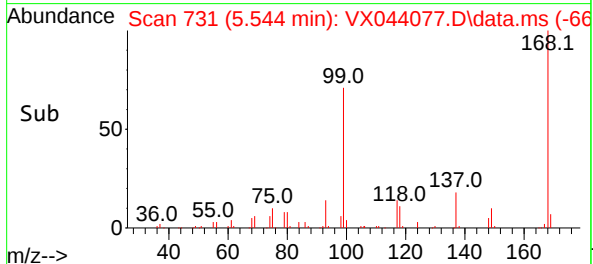
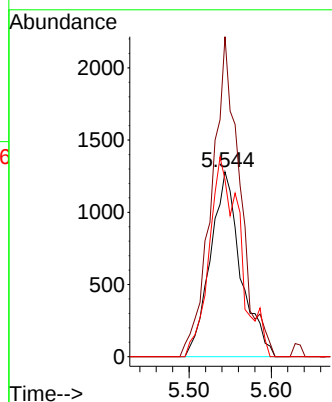


#31
Cyclohexane
Concen: 1.470 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX044077.D
Acq: 02 Dec 2024 19:27

Instrument :
MSVOA_X
ClientSampleId :

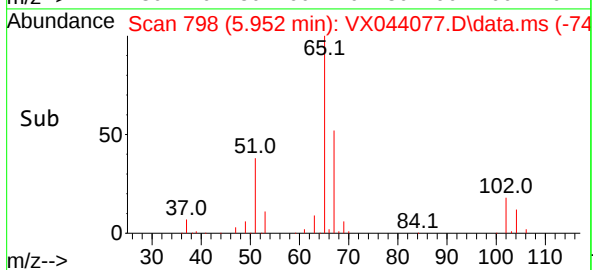
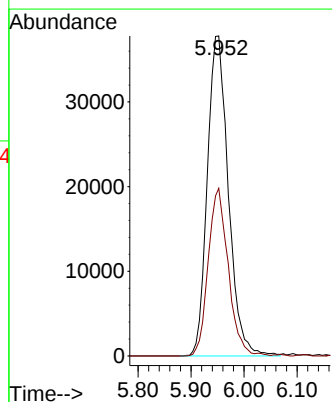
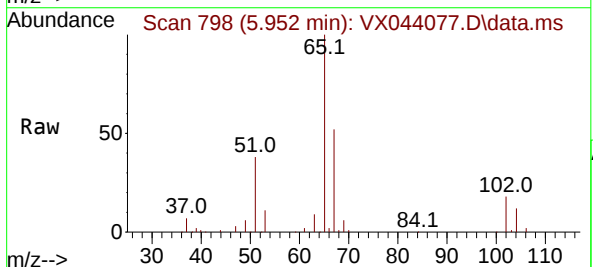


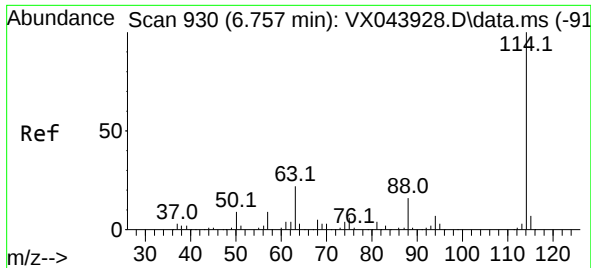
Tgt Ion: 56 Resp: 3284
Ion Ratio Lower Upper
56 100
69 173.1 24.7 37.1#
84 95.8 68.7 103.1



#33
1,2-Dichloroethane-d4
Concen: 52.026 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX044077.D
Acq: 02 Dec 2024 19:27

Tgt Ion: 65 Resp: 104277
Ion Ratio Lower Upper
65 100
67 49.9 0.0 100.8

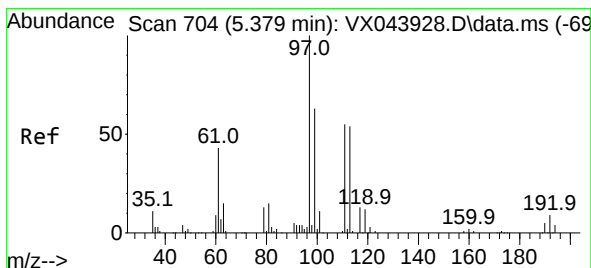
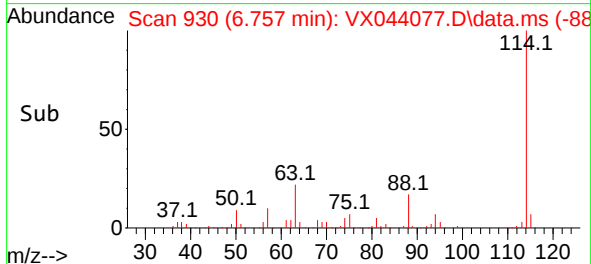
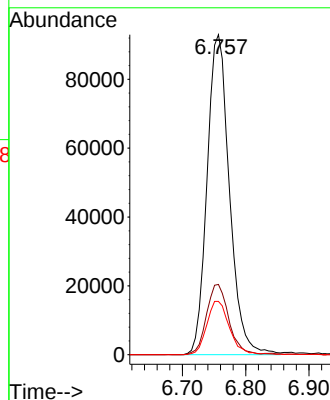
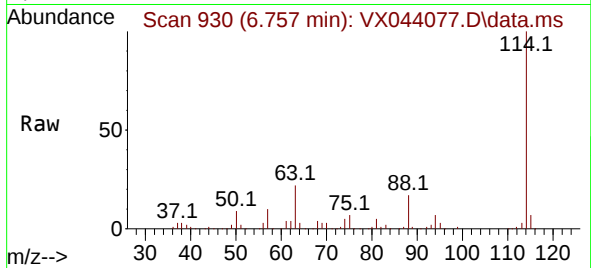




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.757 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX044077.D
Acq: 02 Dec 2024 19:27

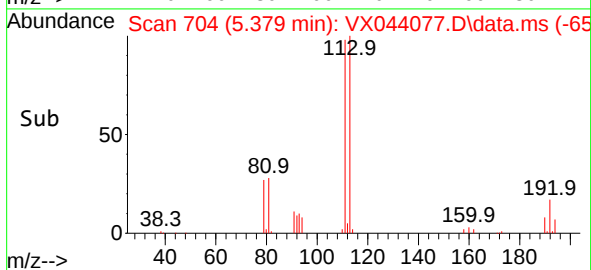
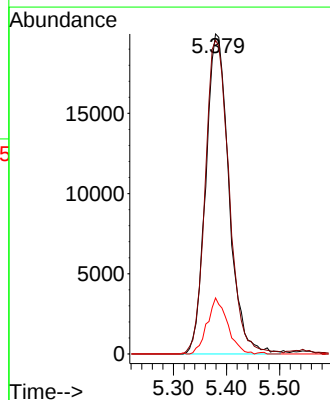
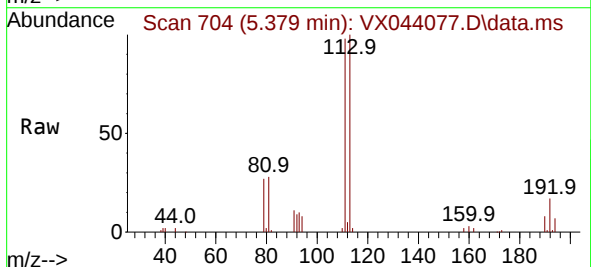
Instrument :
MSVOA_X
ClientSampleId :

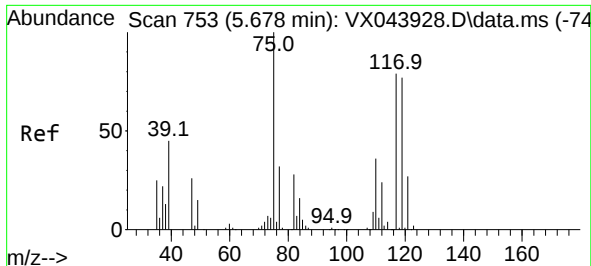
Tgt Ion:114 Resp: 228656
Ion Ratio Lower Upper
114 100
63 22.0 0.0 44.0
88 16.6 0.0 32.4



#35
Dibromofluoromethane
Concen: 37.100 ug/l
RT: 5.379 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX044077.D
Acq: 02 Dec 2024 19:27

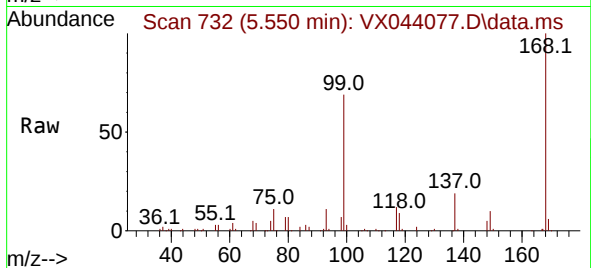
Tgt Ion:113 Resp: 60617
Ion Ratio Lower Upper
113 100
111 100.6 81.0 121.4
192 15.3 13.0 19.6



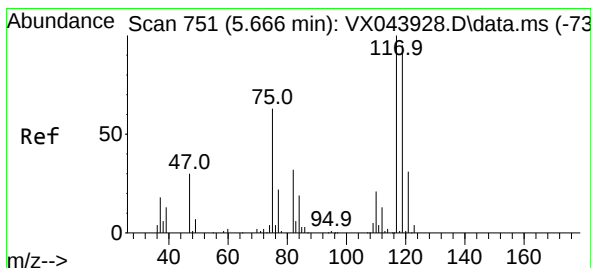
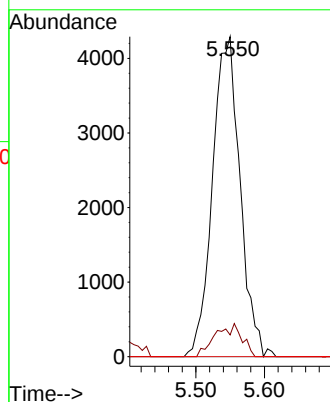
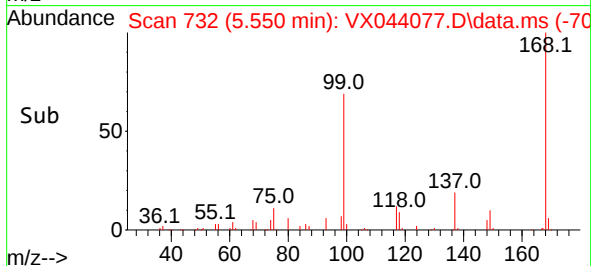


#36
1,1-Dichloropropene
Concen: 5.873 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX044077.D
Acq: 02 Dec 2024 19:27

Instrument :
MSVOA_X
ClientSampleId :

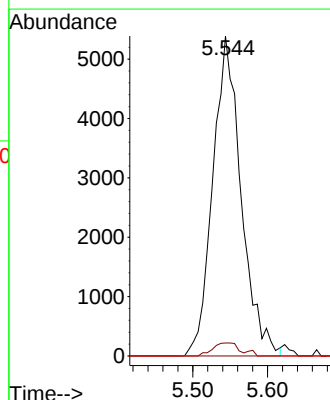
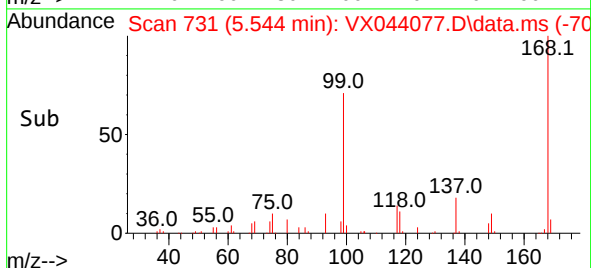
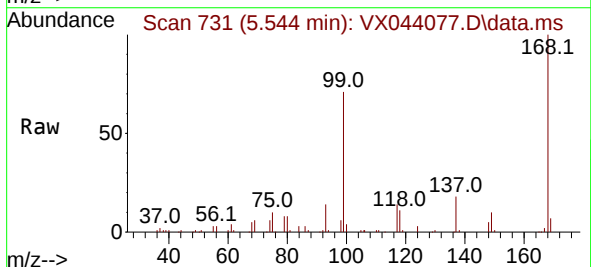


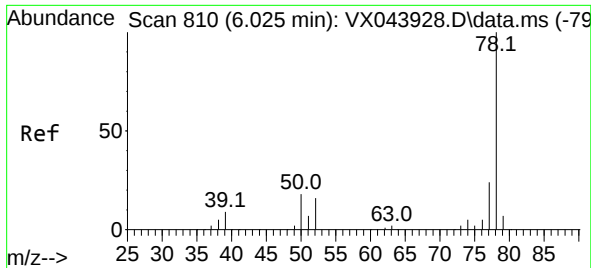
Tgt Ion: 75 Resp: 11958
Ion Ratio Lower Upper
75 100
110 10.0 17.4 52.2#
77 0.0 25.8 38.8#



#38
Carbon Tetrachloride
Concen: 6.203 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.122 min
Lab File: VX044077.D
Acq: 02 Dec 2024 19:27

Tgt Ion: 117 Resp: 14191
Ion Ratio Lower Upper
117 100
119 4.0 75.2 112.8#
121 0.0 24.5 36.7#

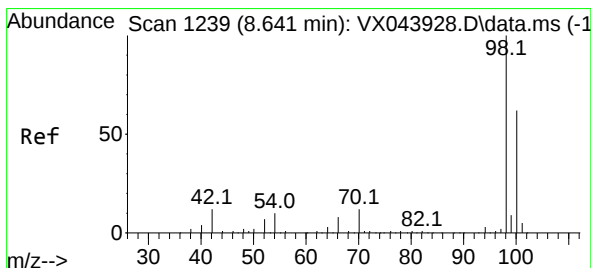
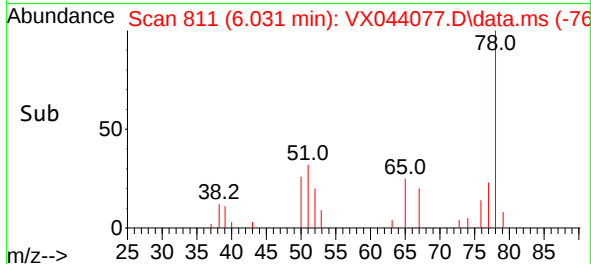
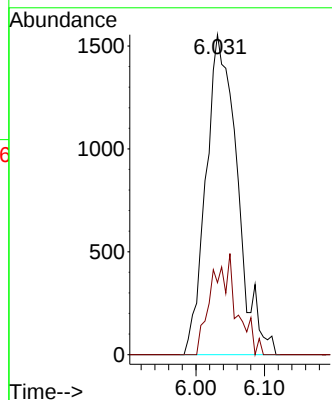
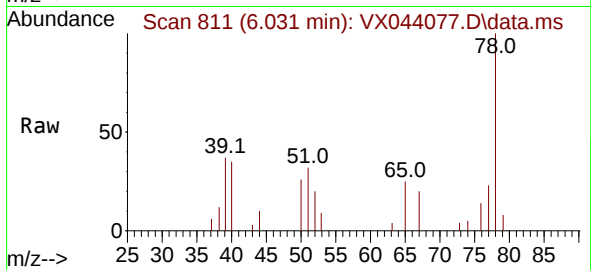




#40
Benzene
Concen: 0.777 ug/l
RT: 6.031 min Scan# 810
Delta R.T. 0.006 min
Lab File: VX044077.D
Acq: 02 Dec 2024 19:27

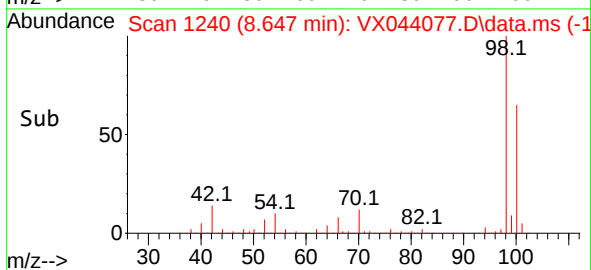
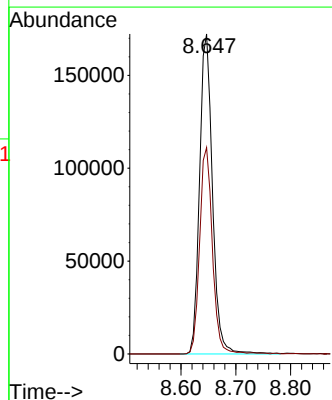
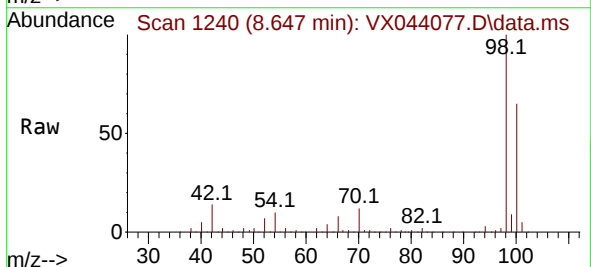
Instrument :
MSVOA_X
ClientSampleId :

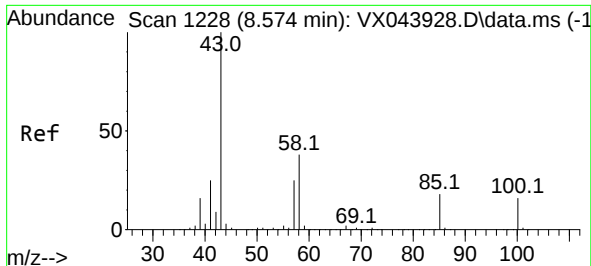
Tgt Ion: 78 Resp: 4929
Ion Ratio Lower Upper
78 100
77 22.5 19.2 28.8



#50
Toluene-d8
Concen: 50.032 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX044077.D
Acq: 02 Dec 2024 19:27

Tgt Ion: 98 Resp: 281785
Ion Ratio Lower Upper
98 100
100 64.0 52.6 79.0

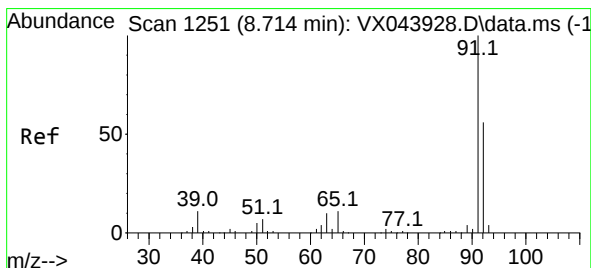
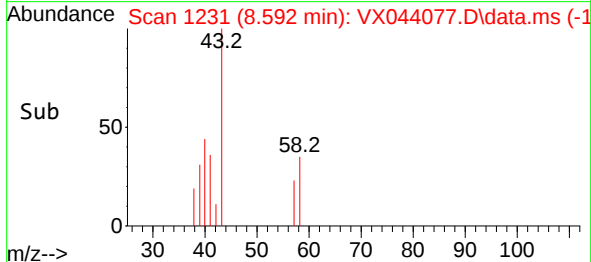
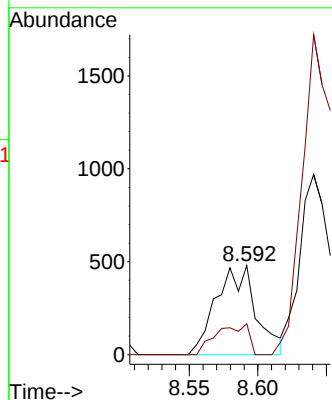
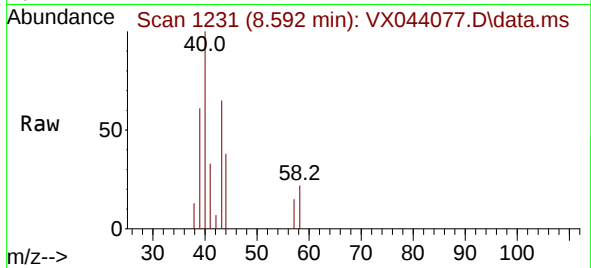




#51
4-Methyl-2-Pentanone
Concen: 0.392 ug/l
RT: 8.592 min Scan# 1231
Delta R.T. 0.018 min
Lab File: VX044077.D
Acq: 02 Dec 2024 19:27

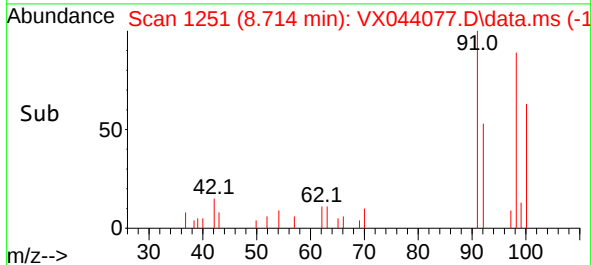
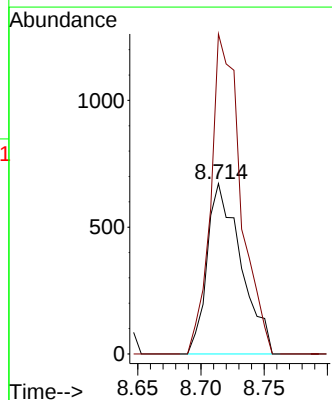
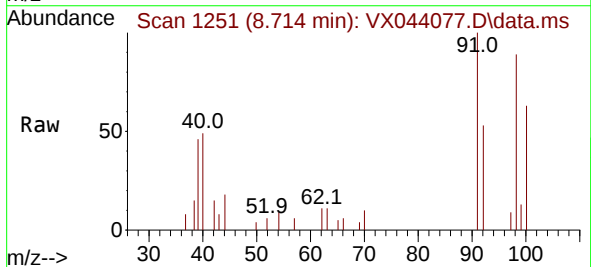
Instrument :
MSVOA_X
ClientSampleId :

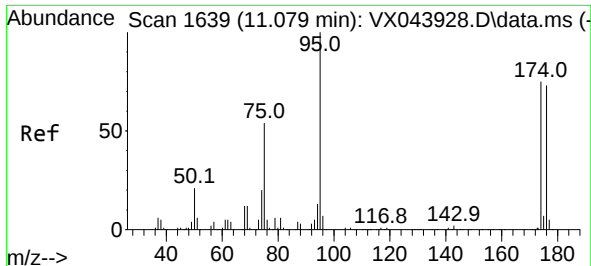
Tgt Ion: 43 Resp: 961
Ion Ratio Lower Upper
43 100
58 28.1 30.0 45.0#



#52
Toluene
Concen: 0.330 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.000 min
Lab File: VX044077.D
Acq: 02 Dec 2024 19:27

Tgt Ion: 92 Resp: 1252
Ion Ratio Lower Upper
92 100
91 166.3 139.7 209.5

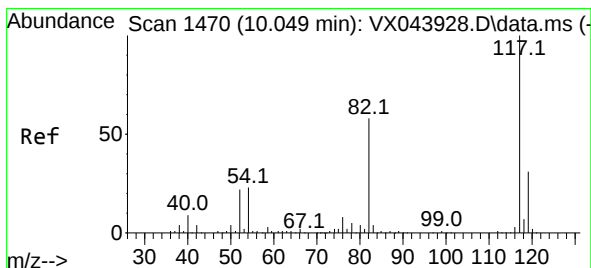
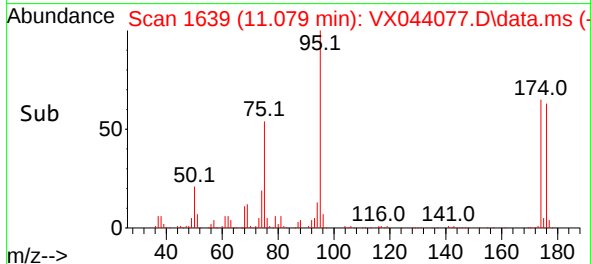
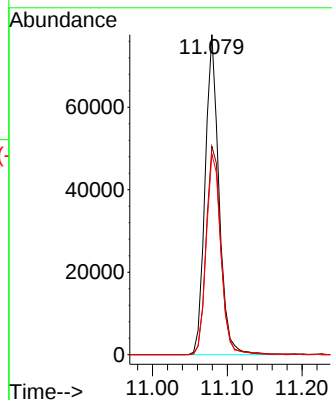
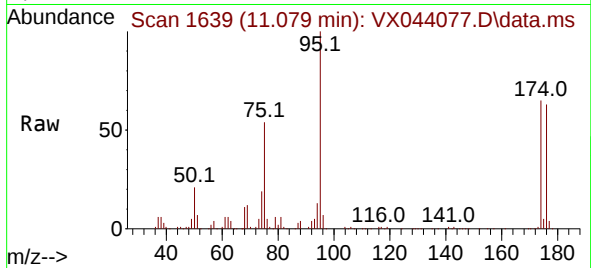




#62
4-Bromofluorobenzene
Concen: 52.050 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX044077.D
Acq: 02 Dec 2024 19:27

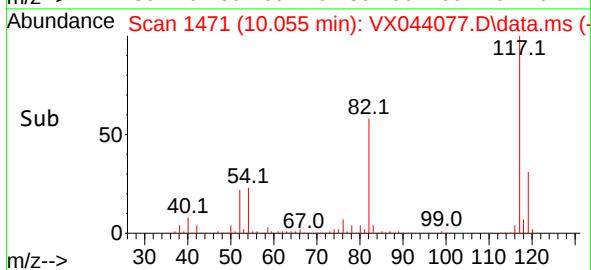
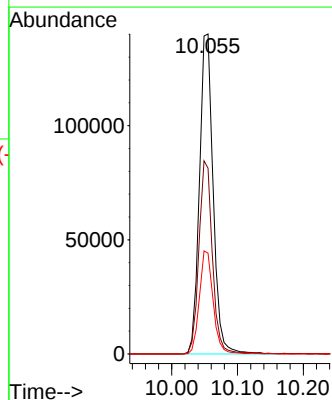
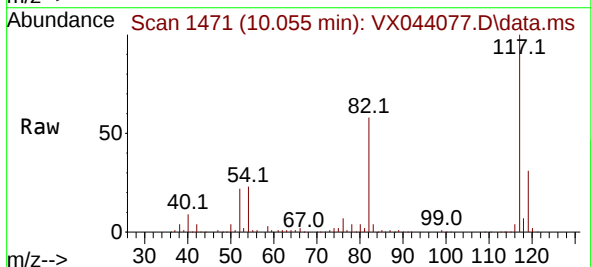
Instrument :
MSVOA_X
ClientSampleId :

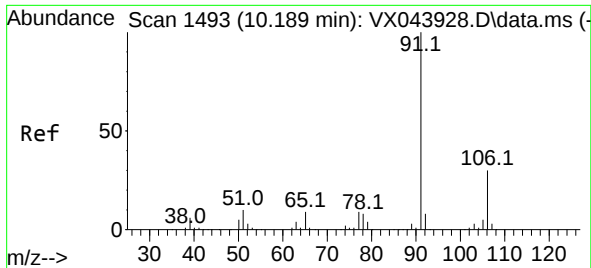
Tgt Ion: 95 Resp: 99767
Ion Ratio Lower Upper
95 100
174 68.9 0.0 150.4
176 66.6 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX044077.D
Acq: 02 Dec 2024 19:27

Tgt Ion: 117 Resp: 203255
Ion Ratio Lower Upper
117 100
82 58.1 46.4 69.6
119 31.5 24.6 37.0





#67

Ethyl Benzene

Concen: 3.200 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX044077.D

Acq: 02 Dec 2024 19:27

Instrument :

MSVOA_X

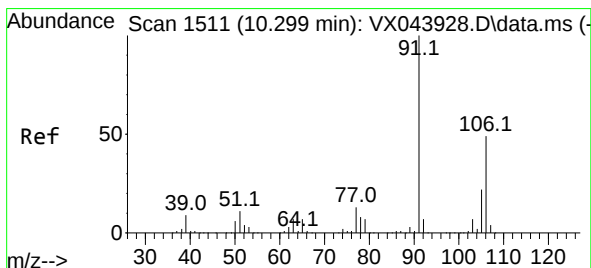
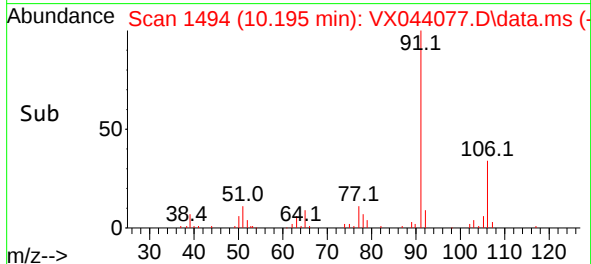
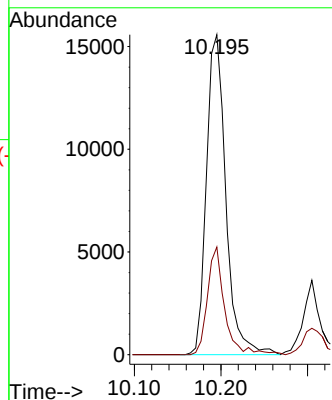
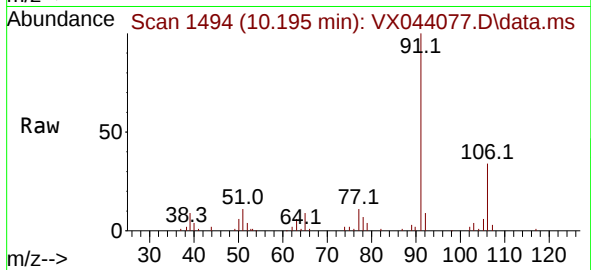
ClientSampleId :

Tgt Ion: 91 Resp: 24208

Ion Ratio Lower Upper

91 100

106 33.6 23.6 35.4



#68

m/p-Xylenes

Concen: 0.788 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX044077.D

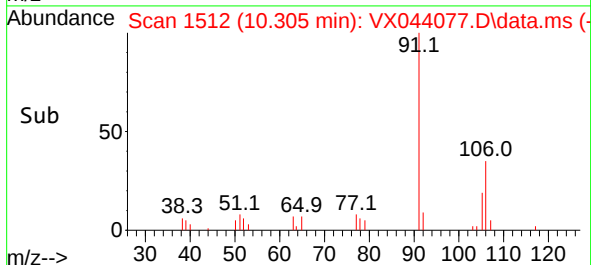
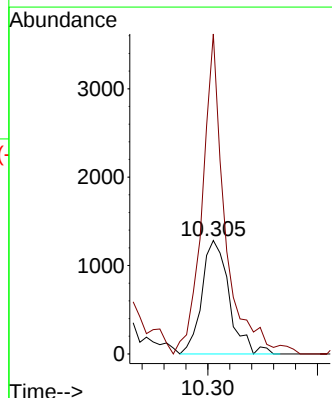
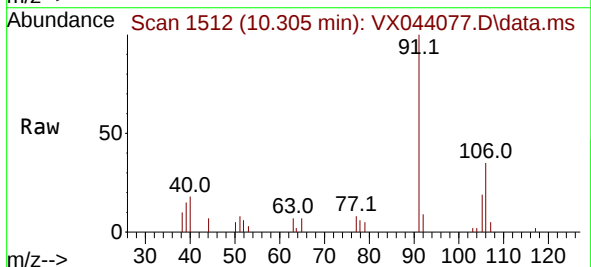
Acq: 02 Dec 2024 19:27

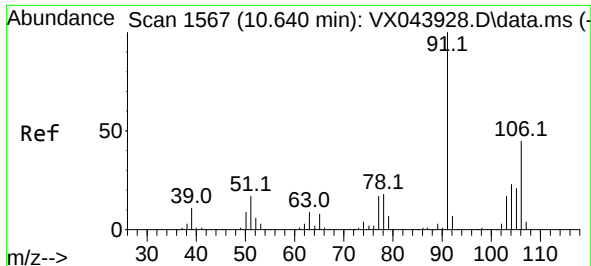
Tgt Ion:106 Resp: 2223

Ion Ratio Lower Upper

106 100

91 235.1 168.1 252.1

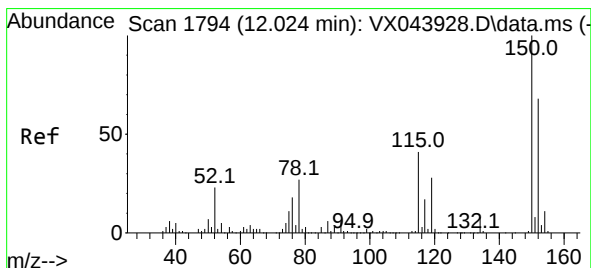
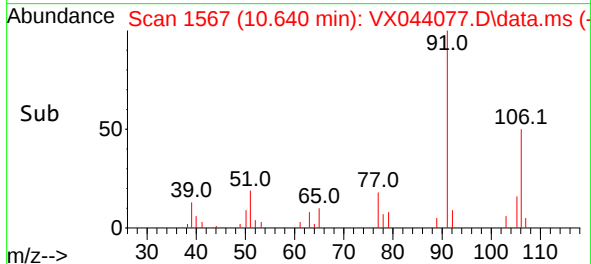
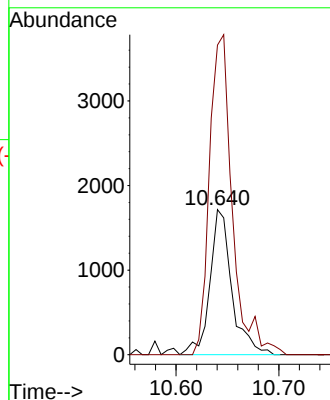
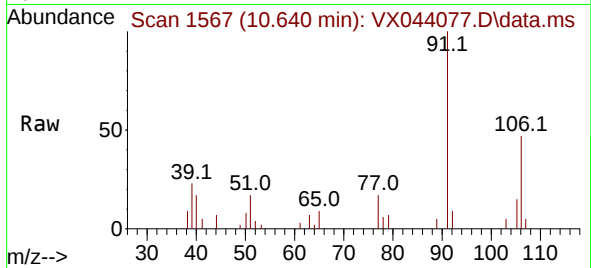




#69
o-Xylene
Concen: 0.926 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX044077.D
Acq: 02 Dec 2024 19:27

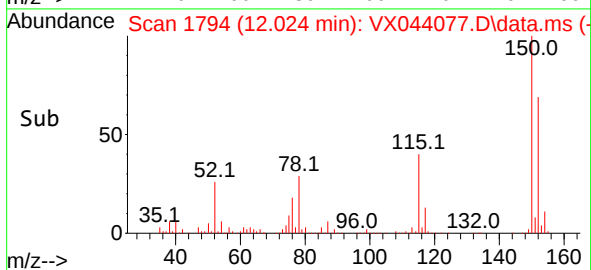
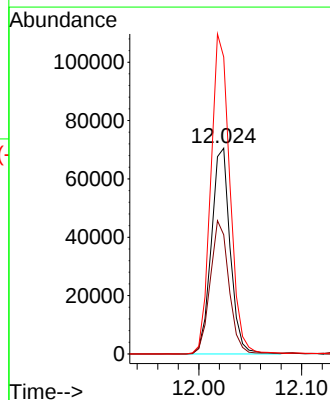
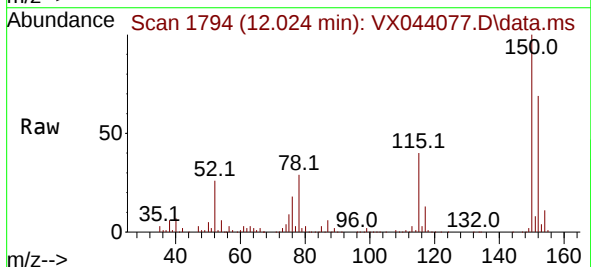
Instrument :
MSVOA_X
ClientSampleId :

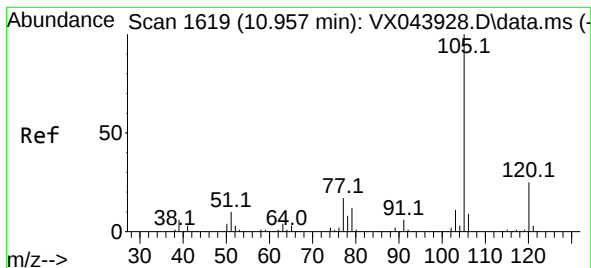
Tgt Ion:106 Resp: 2550
Ion Ratio Lower Upper
106 100
91 229.3 110.2 330.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX044077.D
Acq: 02 Dec 2024 19:27

Tgt Ion:152 Resp: 90013
Ion Ratio Lower Upper
152 100
115 64.4 45.4 136.2
150 157.3 0.0 353.0





#73

Isopropylbenzene

Concen: 0.452 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX044077.D

Acq: 02 Dec 2024 19:27

Instrument :

MSVOA_X

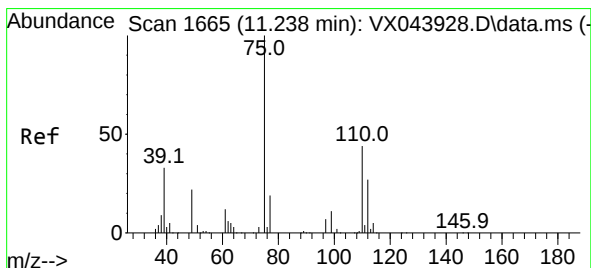
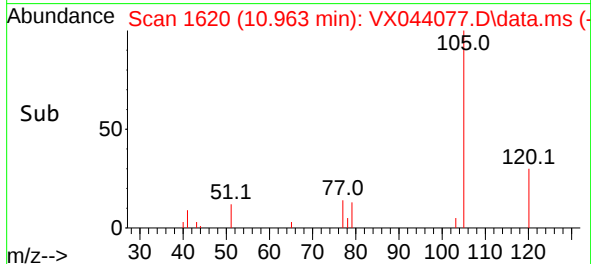
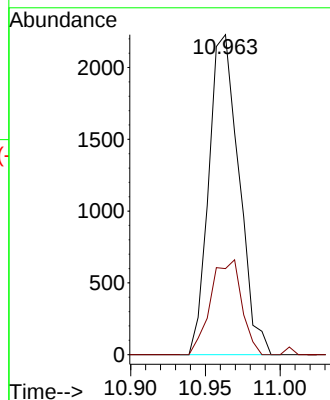
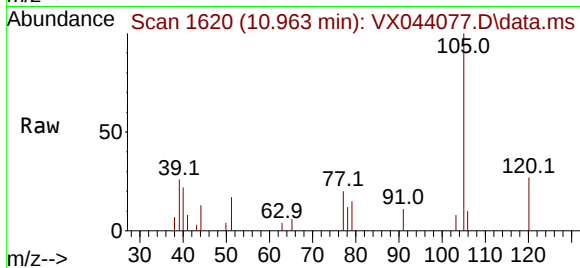
ClientSampleId :

Tgt Ion:105 Resp: 3128

Ion Ratio Lower Upper

105 100

120 30.4 13.0 38.9



#76

1,2,3-Trichloropropane

Concen: 29.010 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.159 min

Lab File: VX044077.D

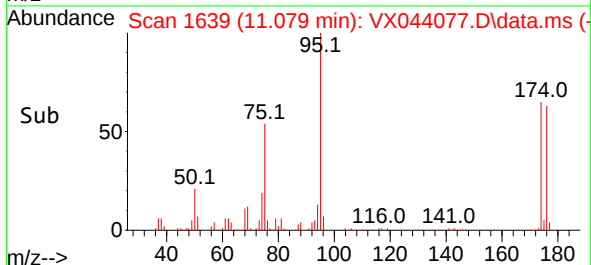
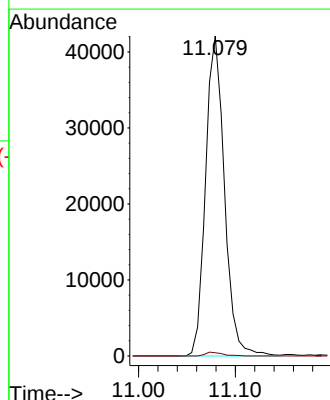
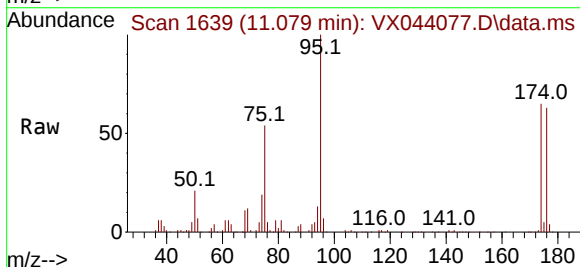
Acq: 02 Dec 2024 19:27

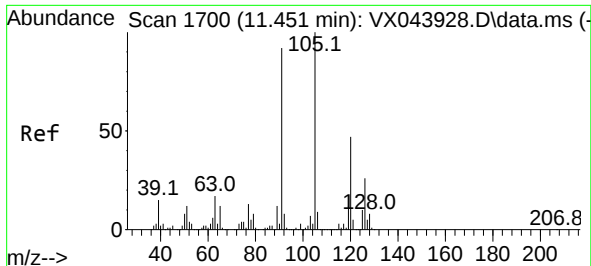
Tgt Ion: 75 Resp: 57264

Ion Ratio Lower Upper

75 100

77 1.0 21.8 65.3#

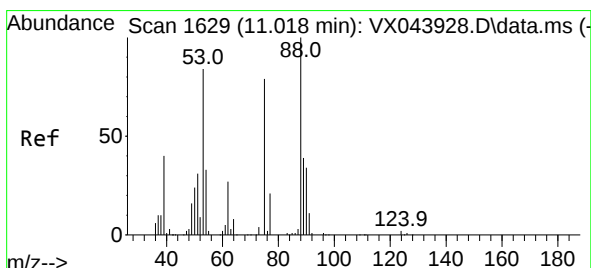
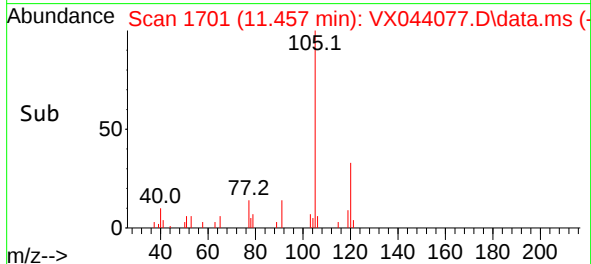
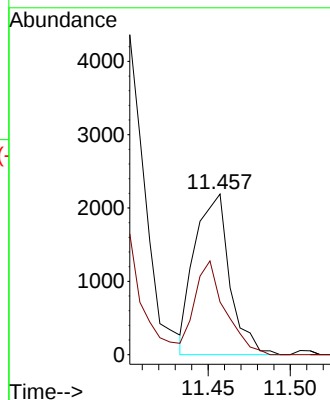
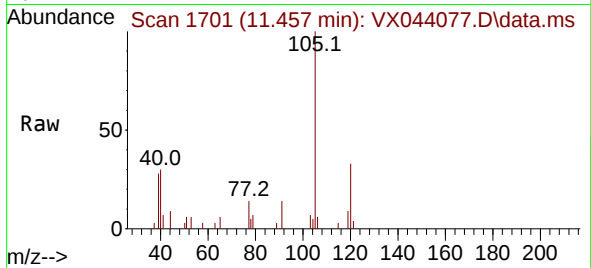




#80
1,3,5-Trimethylbenzene
Concen: 0.570 ug/l
RT: 11.457 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044077.D
Acq: 02 Dec 2024 19:27

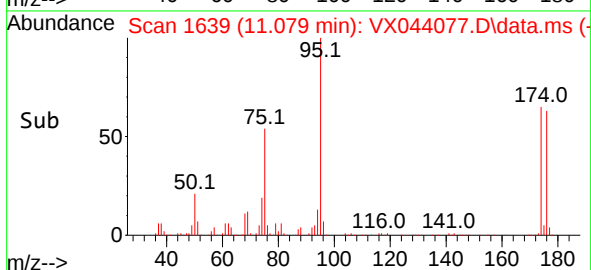
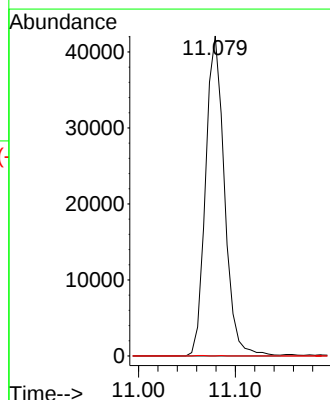
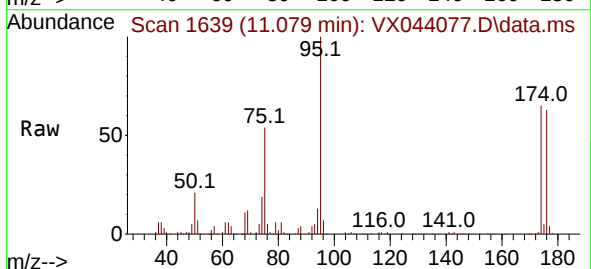
Instrument :
MSVOA_X
ClientSampleId :

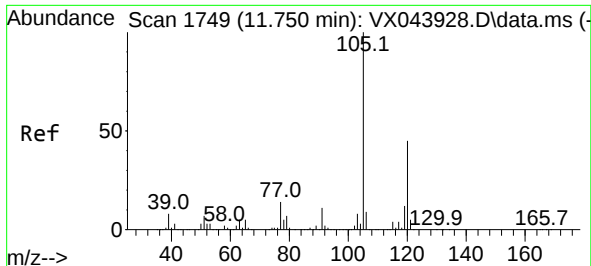
Tgt Ion:105 Resp: 3246
Ion Ratio Lower Upper
105 100
120 50.5 23.3 69.8



#81
trans-1,4-Dichloro-2-butene
Concen: 79.160 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044077.D
Acq: 02 Dec 2024 19:27

Tgt Ion: 75 Resp: 57264
Ion Ratio Lower Upper
75 100
53 0.0 86.7 130.1#
89 0.0 38.2 57.2#

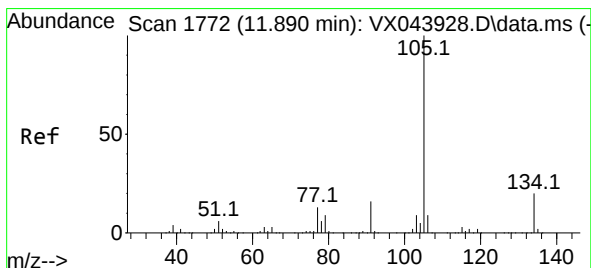
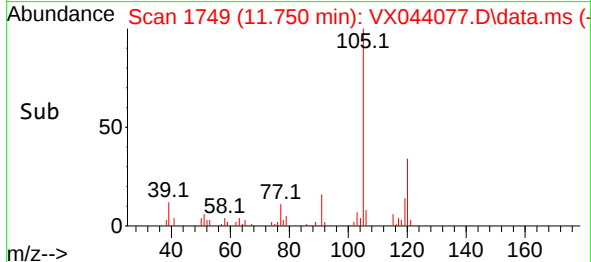
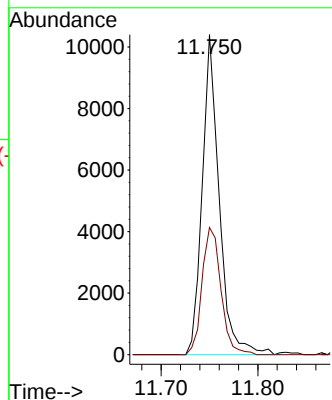
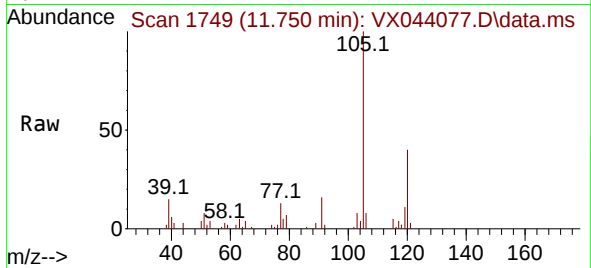




#84
1,2,4-Trimethylbenzene
Concen: 2.244 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX044077.D
Acq: 02 Dec 2024 19:27

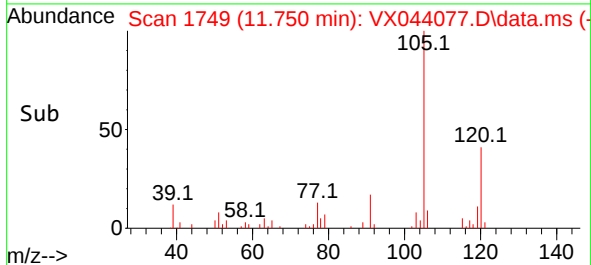
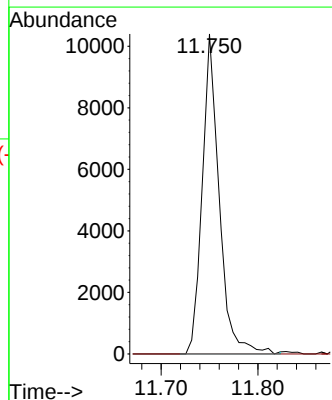
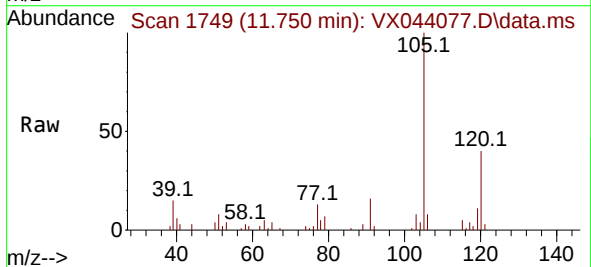
Instrument :
MSVOA_X
ClientSampleId :

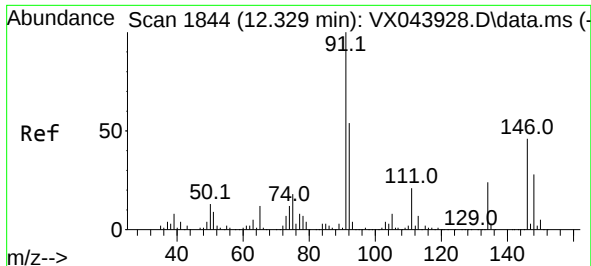
Tgt Ion:105 Resp: 12720
Ion Ratio Lower Upper
105 100
120 44.2 21.9 65.7



#85
sec-Butylbenzene
Concen: 1.840 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.140 min
Lab File: VX044077.D
Acq: 02 Dec 2024 19:27

Tgt Ion:105 Resp: 12720
Ion Ratio Lower Upper
105 100
134 0.0 9.7 29.1#





#89

n-Butylbenzene

Concen: 0.204 ug/l

RT: 12.317 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX044077.D

Acq: 02 Dec 2024 19:27

Instrument :

MSVOA_X

ClientSampleId :

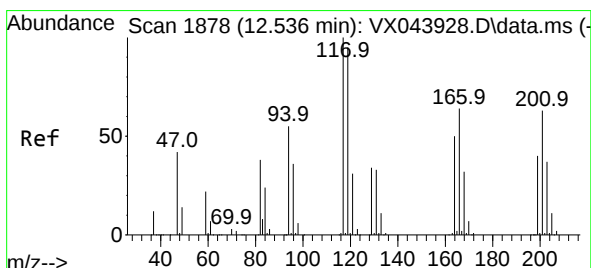
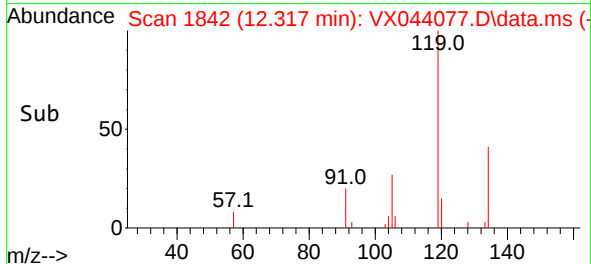
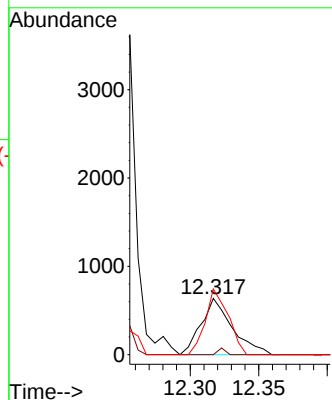
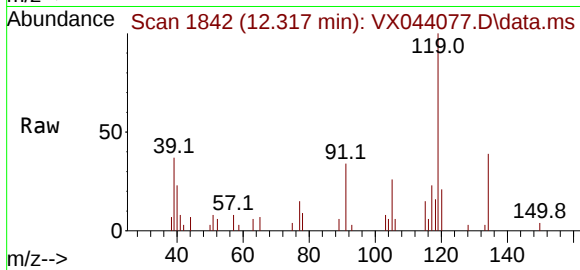
Tgt Ion: 91 Resp: 1011

Ion Ratio Lower Upper

91 100

92 0.0 26.6 79.8#

134 85.4 12.4 37.2#



#90

Hexachloroethane

Concen: 6.682 ug/l

RT: 12.695 min Scan# 1904

Delta R.T. 0.158 min

Lab File: VX044077.D

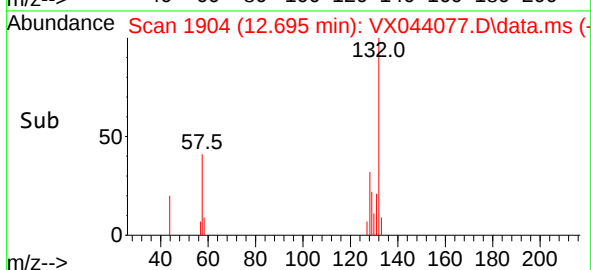
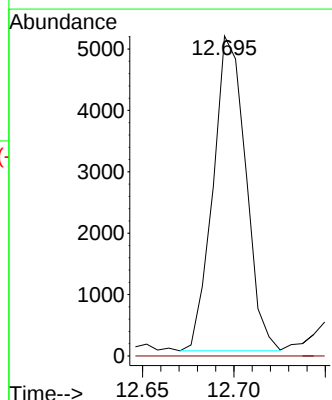
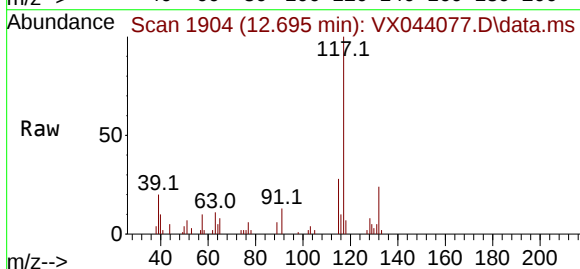
Acq: 02 Dec 2024 19:27

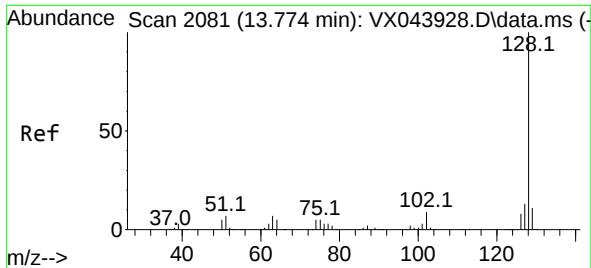
Tgt Ion: 117 Resp: 6380

Ion Ratio Lower Upper

117 100

201 0.0 32.4 97.0#





#95

Naphthalene

Concen: 185.063 ug/l

RT: 13.774 min Scan# 20

Delta R.T. -0.000 min

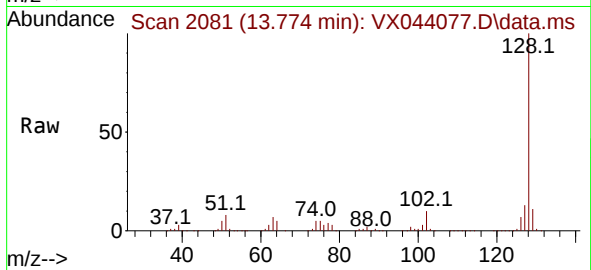
Lab File: VX044077.D

Acq: 02 Dec 2024 19:27

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:128 Resp: 1191529

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

129 10.8 8.6 12.8

