

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051223\
 Data File : VX035635.D
 Acq On : 12 May 2023 14:07
 Operator : JC/MD
 Sample : 02702-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 50033

Quant Time: May 15 01:56:00 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 11 13:57:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	191991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	348327	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	319174	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	156500	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	159183	47.526	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.060%
35) Dibromofluoromethane	5.385	113	113193	48.186	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.380%
50) Toluene-d8	8.647	98	423969	48.855	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.700%
62) 4-Bromofluorobenzene	11.079	95	181161	51.846	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	103.700%

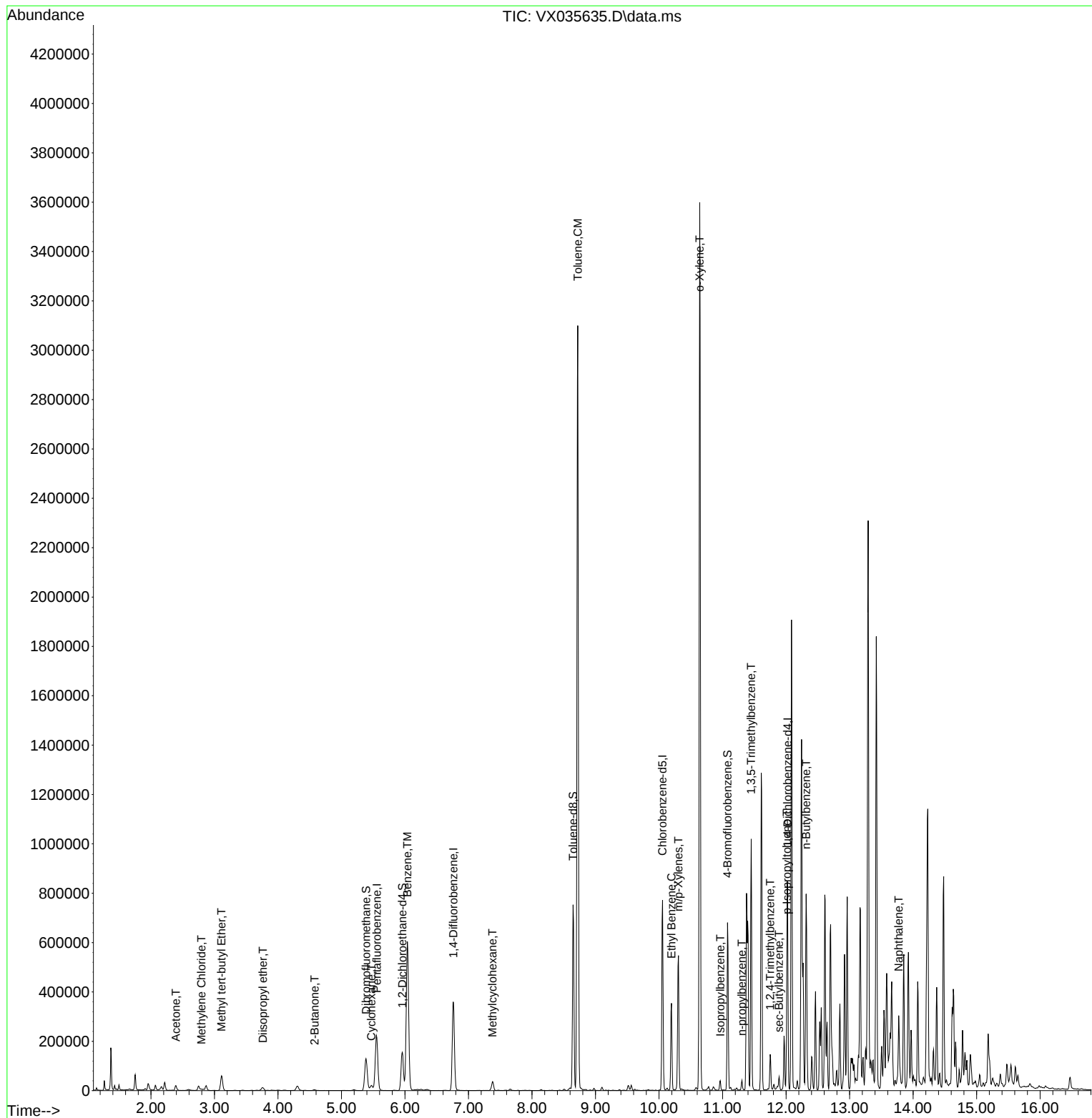
Target Compounds						Qvalue
16) Acetone	2.392	43	25788	17.914	ug/l #	86
19) Methyl tert-butyl Ether	3.111	73	61177	7.190	ug/l	94
20) Methylene Chloride	2.794	84	2041	0.782	ug/l	94
22) Diisopropyl ether	3.764	45	13026	1.452	ug/l #	73
25) 2-Butanone	4.574	43	6342	3.182	ug/l	96
31) Cyclohexane	5.471	56	13416	3.170	ug/l	95
39) Methylcyclohexane	7.379	83	14890	3.411	ug/l	91
40) Benzene	6.037	78	697348	67.227	ug/l	100
52) Toluene	8.720	92	1120101	171.062	ug/l	99
67) Ethyl Benzene	10.195	91	195418	14.913	ug/l	97
68) m/p-Xylenes	10.305	106	117748	24.310	ug/l	94
69) o-Xylene	10.640	106	726920	151.245	ug/l	95
73) Isopropylbenzene	10.963	105	18795	1.425	ug/l	99
78) n-propylbenzene	11.305	91	22092	1.425	ug/l #	53
80) 1,3,5-Trimethylbenzene	11.451	105	408620	36.457	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	60031	5.334	ug/l	95
85) sec-Butylbenzene	11.890	105	25707	1.879	ug/l	89
86) p-Isopropyltoluene	12.012	119	32227	2.866	ug/l	96
89) n-Butylbenzene	12.317	91	93577	9.147	ug/l #	15
95) Naphthalene	13.774	128	166171	14.473	ug/l	97

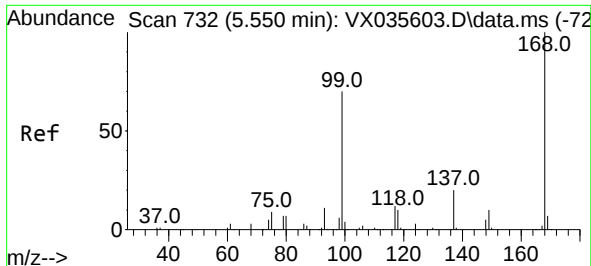
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051223\
Data File : VX035635.D
Acq On : 12 May 2023 14:07
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Sample : 02702-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
50033

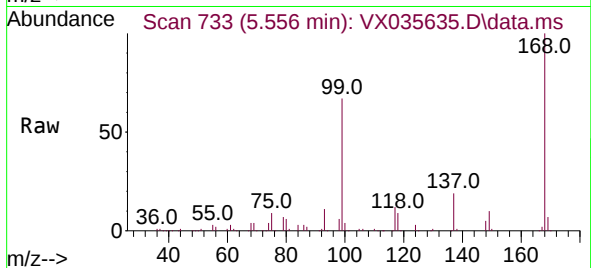
Quant Time: May 15 01:56:00 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051123W.M
Quant Title : SW846 8260
QLast Update : Thu May 11 13:57:54 2023
Response via : Initial Calibration



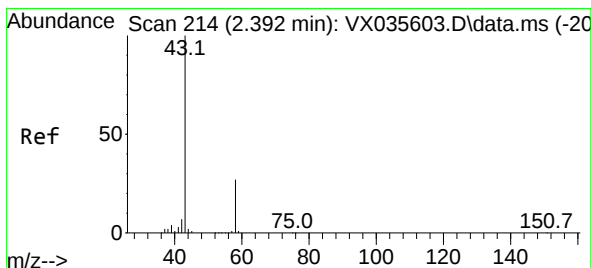
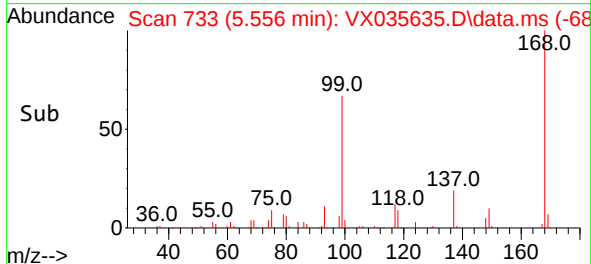
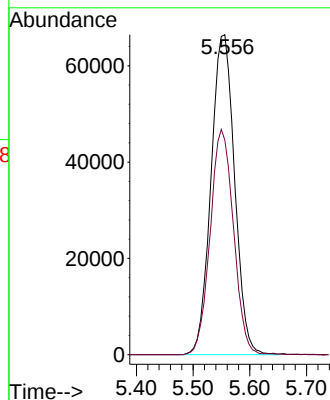


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX035635.D
Acq: 12 May 2023 14:07

Instrument :
MSVOA_X
ClientSampleId :
50033

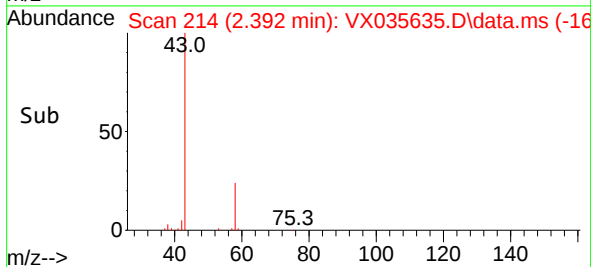
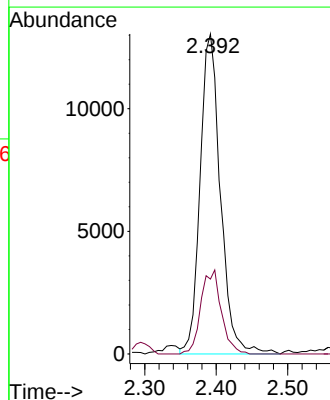
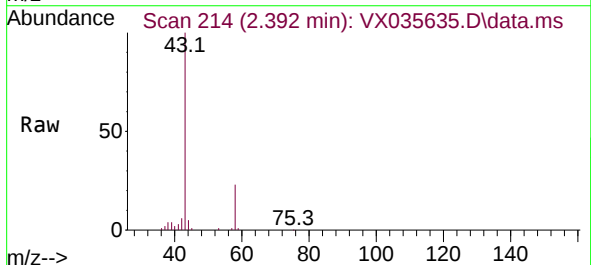


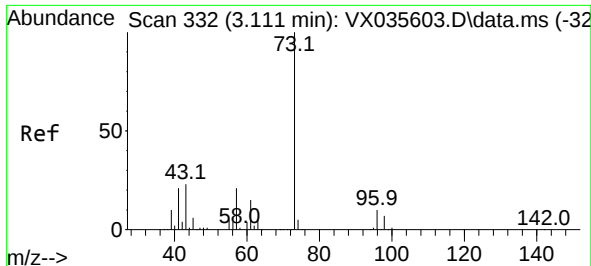
Tgt Ion:168 Resp: 191991
Ion Ratio Lower Upper
168 100
99 67.1 45.7 68.5



#16
Acetone
Concen: 17.914 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX035635.D
Acq: 12 May 2023 14:07

Tgt Ion: 43 Resp: 25788
Ion Ratio Lower Upper
43 100
58 23.4 24.7 37.1#





#19

Methyl tert-butyl Ether

Concen: 7.190 ug/l

RT: 3.111 min Scan# 31

Delta R.T. 0.000 min

Lab File: VX035635.D

Acq: 12 May 2023 14:07

Instrument :

MSVOA_X

ClientSampleId :

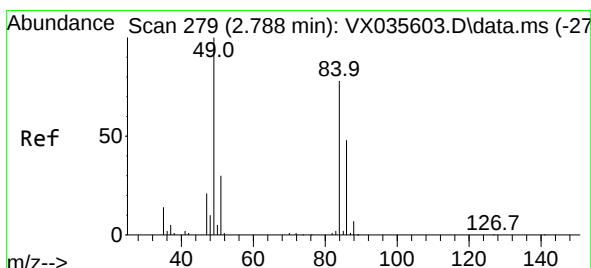
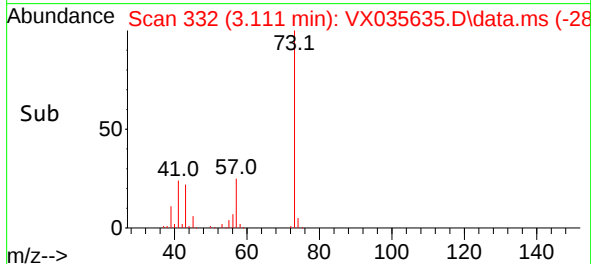
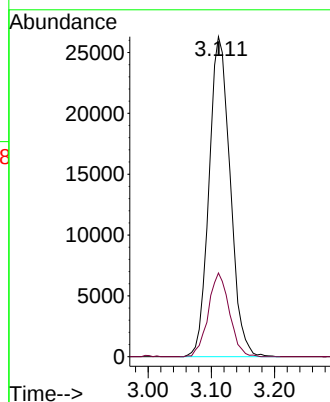
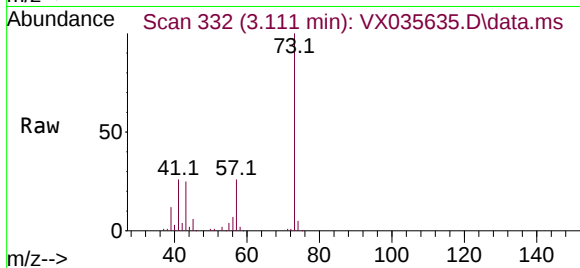
50033

Tgt Ion: 73 Resp: 61177

Ion Ratio Lower Upper

73 100

57 26.1 18.5 27.7



#20

Methylene Chloride

Concen: 0.782 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX035635.D

Acq: 12 May 2023 14:07

Tgt Ion: 84 Resp: 2041

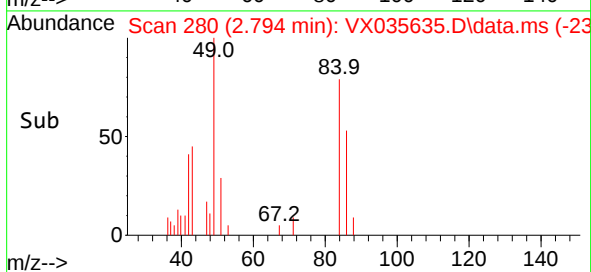
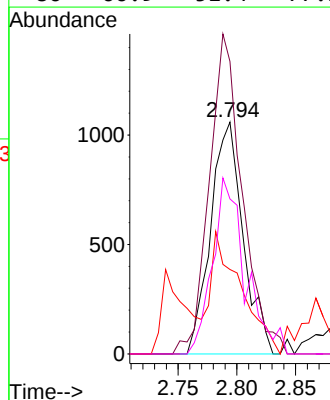
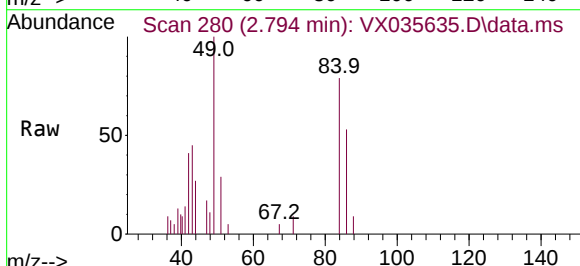
Ion Ratio Lower Upper

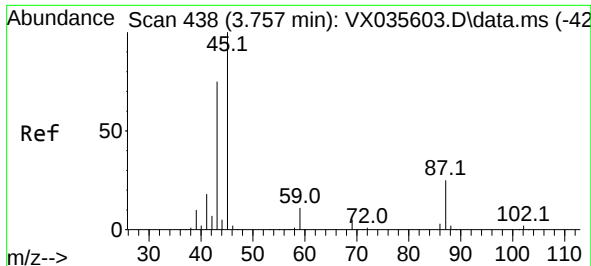
84 100

49 120.5 103.8 155.8

51 36.4 31.8 47.8

86 66.9 51.4 77.2

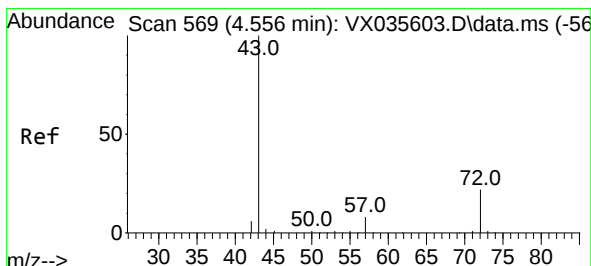
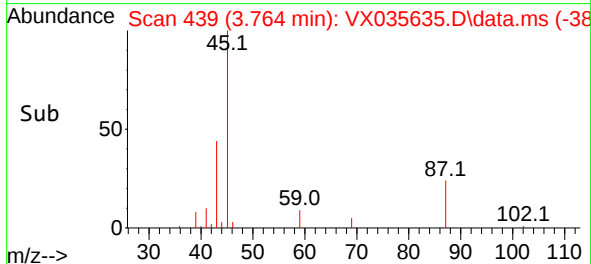
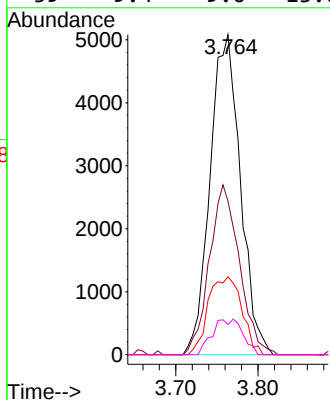
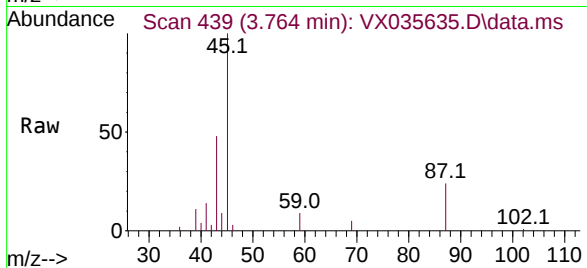




#22
Diisopropyl ether
Concen: 1.452 ug/l
RT: 3.764 min Scan# 41
Delta R.T. 0.007 min
Lab File: VX035635.D
Acq: 12 May 2023 14:07

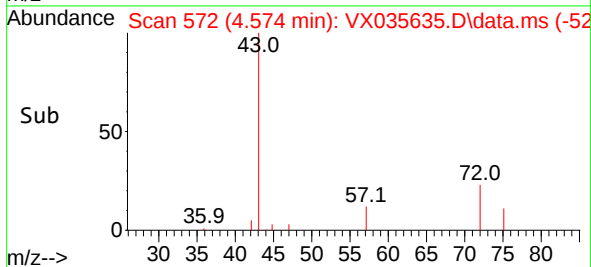
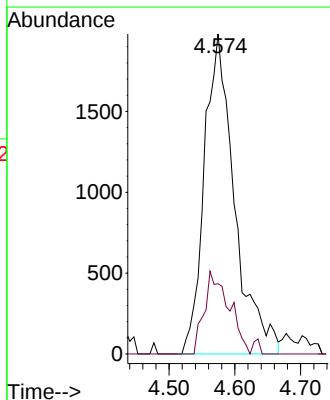
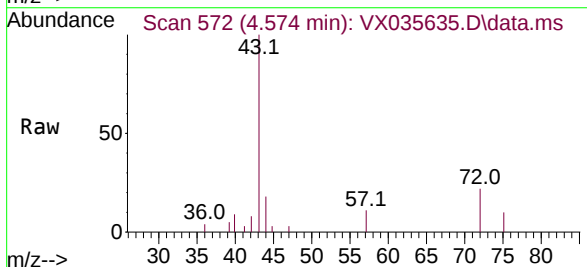
Instrument :
MSVOA_X
ClientSampleId :
50033

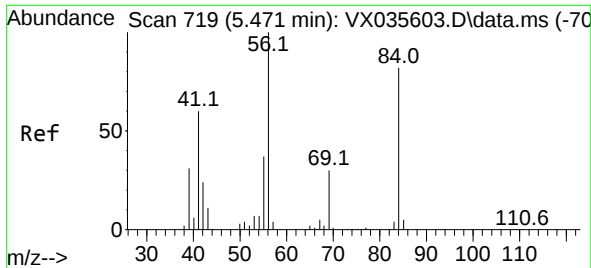
Tgt Ion:	45	Resp:	13026
Ion	Ratio	Lower	Upper
45	100		
43	48.0	65.4	98.2#
87	24.4	20.6	31.0
59	9.4	9.0	13.6



#25
2-Butanone
Concen: 3.182 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.018 min
Lab File: VX035635.D
Acq: 12 May 2023 14:07

Tgt Ion:	43	Resp:	6342
Ion	Ratio	Lower	Upper
43	100		
72	22.0	19.3	28.9

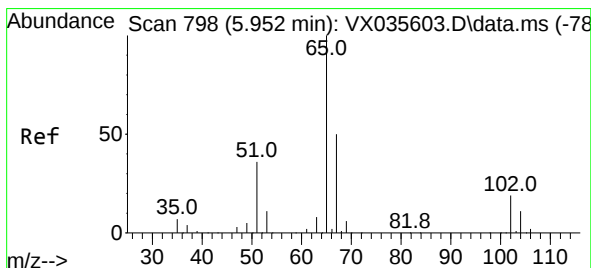
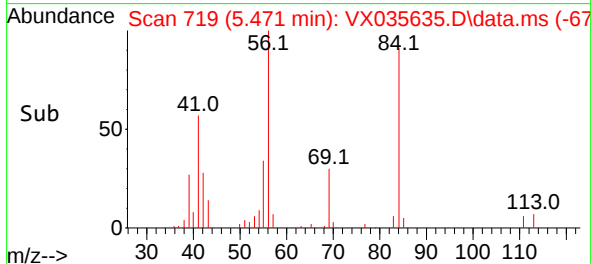
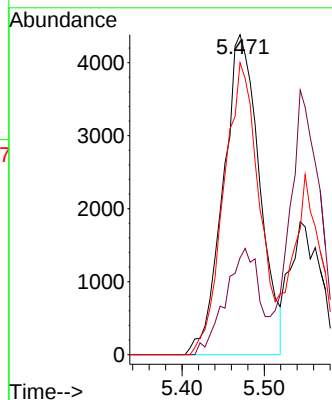
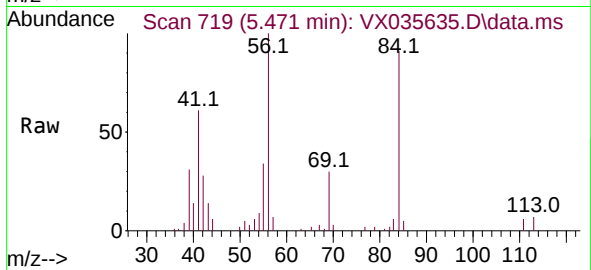




#31
Cyclohexane
Concen: 3.170 ug/l
RT: 5.471 min Scan# 719
Delta R.T. -0.000 min
Lab File: VX035635.D
Acq: 12 May 2023 14:07

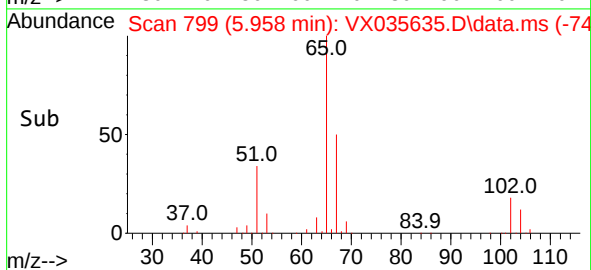
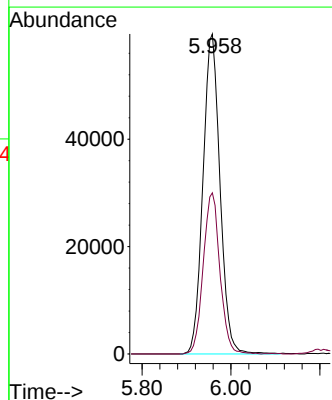
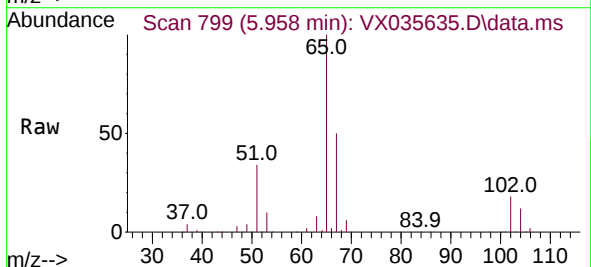
Instrument :
MSVOA_X
ClientSampleId :
50033

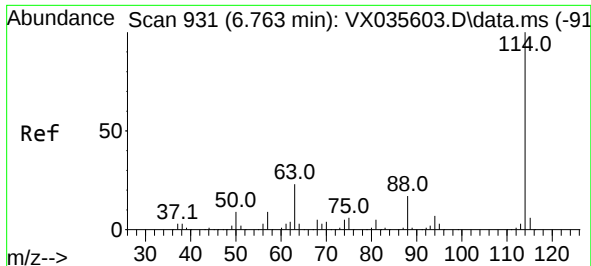
Tgt Ion: 56 Resp: 13416
Ion Ratio Lower Upper
56 100
69 30.2 23.7 35.5
84 91.2 68.5 102.7



#33
1,2-Dichloroethane-d4
Concen: 47.526 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX035635.D
Acq: 12 May 2023 14:07

Tgt Ion: 65 Resp: 159183
Ion Ratio Lower Upper
65 100
67 49.3 0.0 104.0

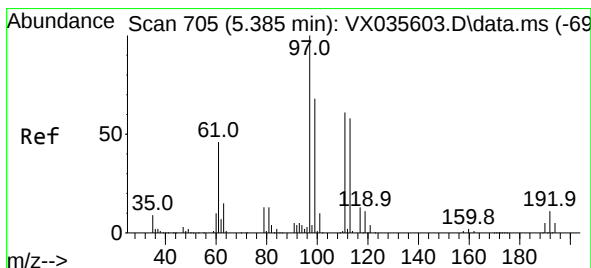
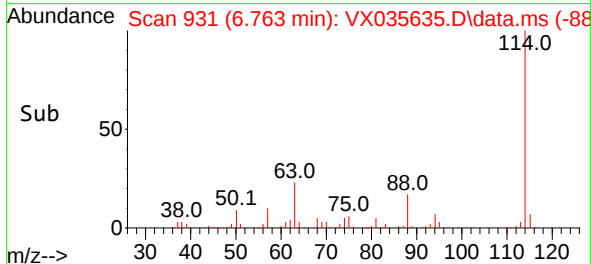
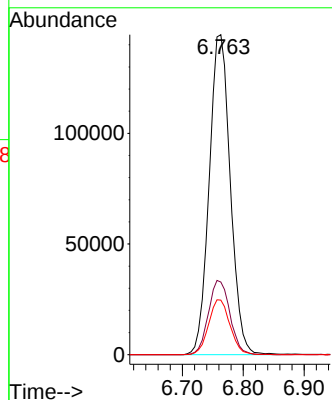
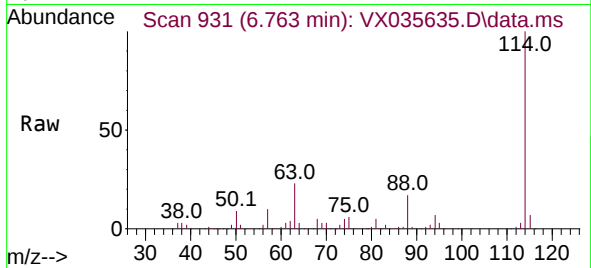




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX035635.D
Acq: 12 May 2023 14:07

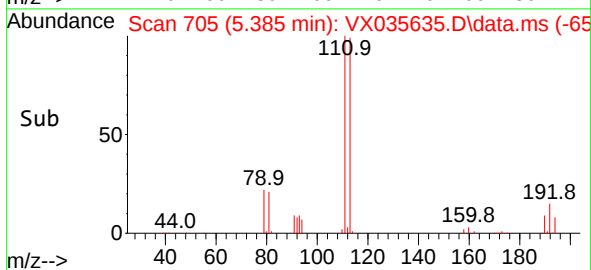
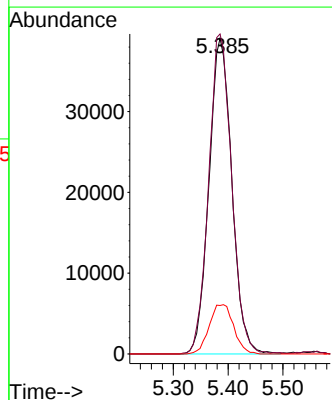
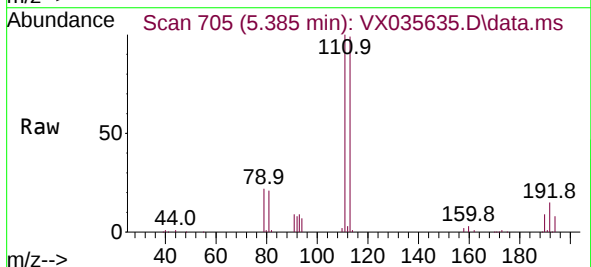
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ClientSampleId :
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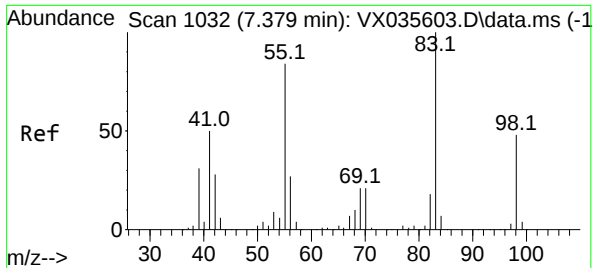
Tgt Ion:114 Resp: 348327
Ion Ratio Lower Upper
114 100
63 22.7 0.0 42.2
88 17.1 0.0 33.2



#35
Dibromofluoromethane
Concen: 48.186 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX035635.D
Acq: 12 May 2023 14:07

Tgt Ion:113 Resp: 113193
Ion Ratio Lower Upper
113 100
111 101.8 83.7 125.5
192 16.7 15.4 23.2

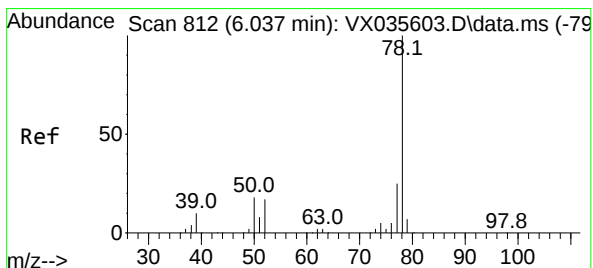
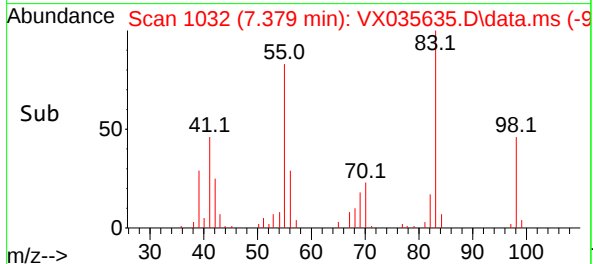
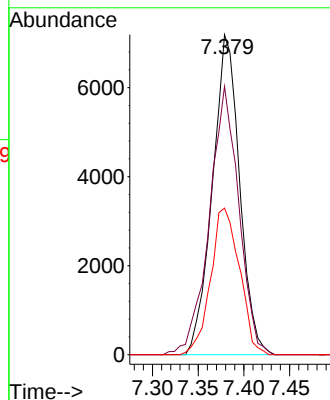
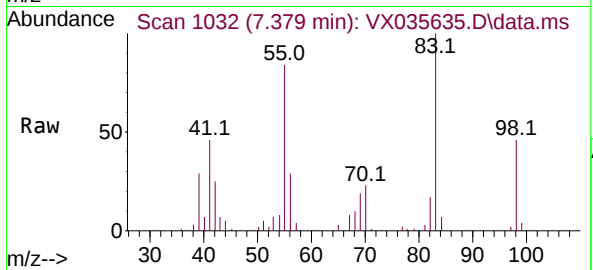




#39
Methylcyclohexane
Concen: 3.411 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.000 min
Lab File: VX035635.D
Acq: 12 May 2023 14:07

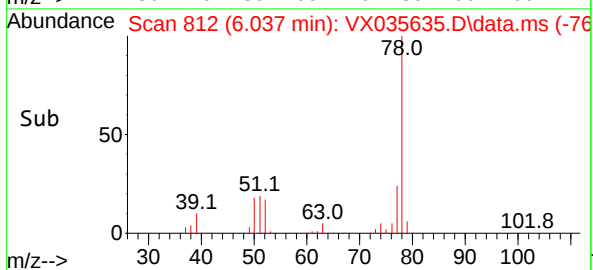
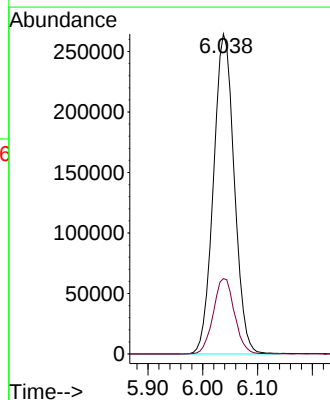
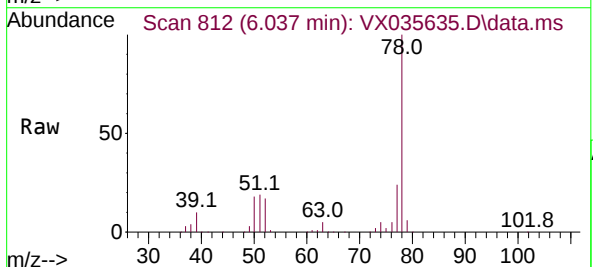
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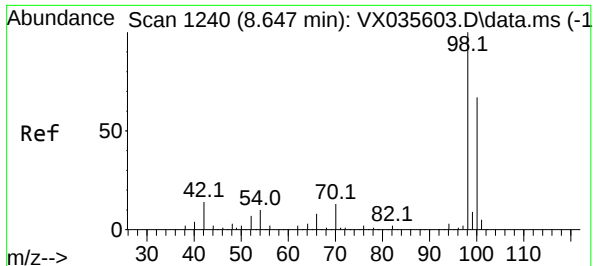
Tgt Ion: 83 Resp: 14890
Ion Ratio Lower Upper
83 100
55 83.8 60.5 90.7
98 45.8 40.4 60.6



#40
Benzene
Concen: 67.227 ug/l
RT: 6.037 min Scan# 812
Delta R.T. 0.000 min
Lab File: VX035635.D
Acq: 12 May 2023 14:07

Tgt Ion: 78 Resp: 697348
Ion Ratio Lower Upper
78 100
77 23.6 19.0 28.4





#50

Toluene-d8

Concen: 48.855 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX035635.D

Acq: 12 May 2023 14:07

Instrument :

MSVOA_X

ClientSampleId :

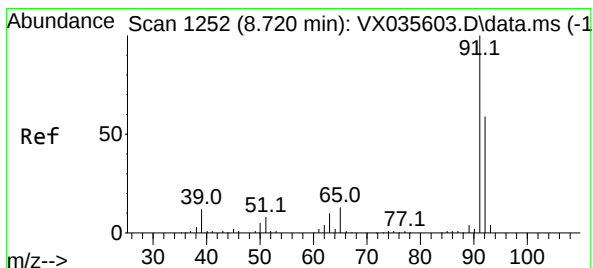
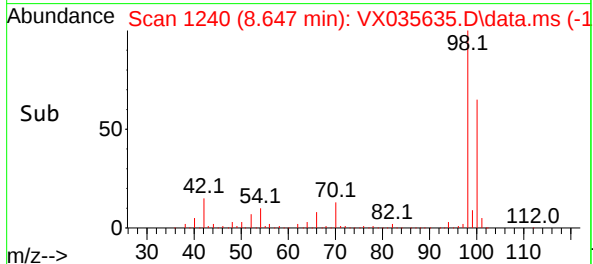
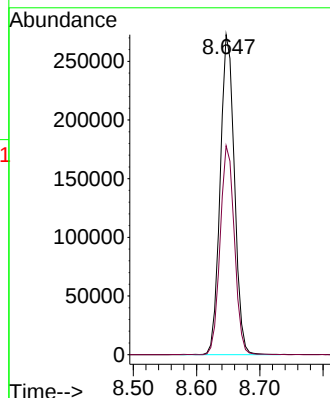
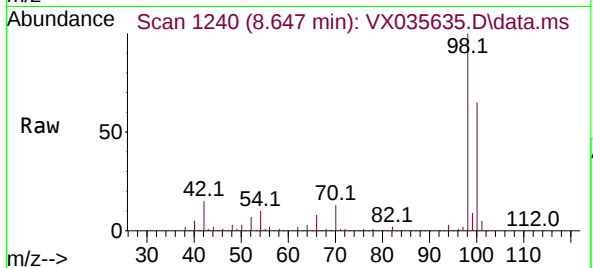
50033

Tgt Ion: 98 Resp: 423969

Ion Ratio Lower Upper

98 100

100 65.5 52.5 78.7



#52

Toluene

Concen: 171.062 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX035635.D

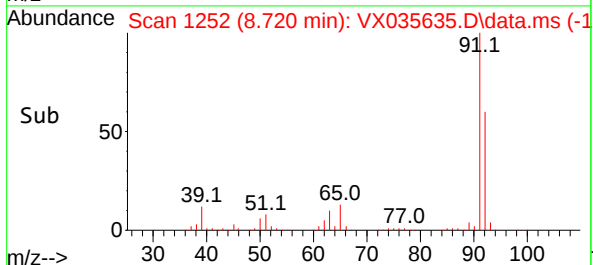
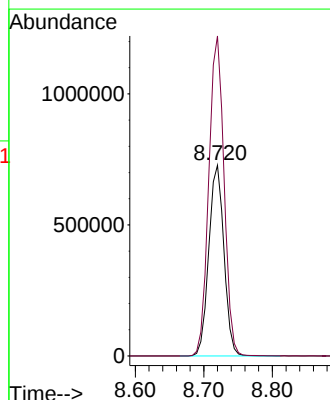
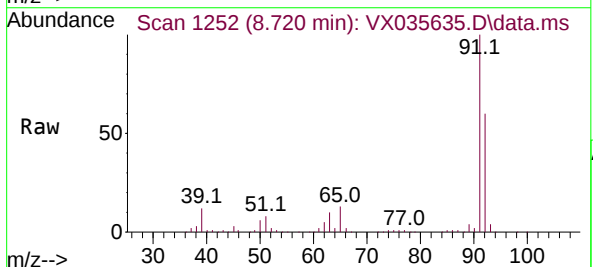
Acq: 12 May 2023 14:07

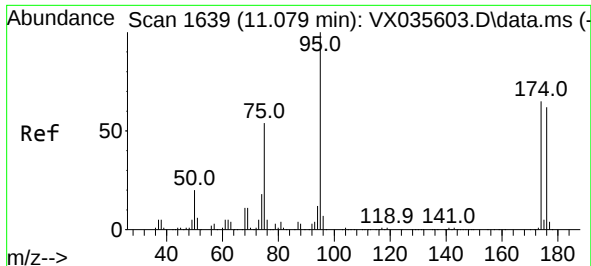
Tgt Ion: 92 Resp: 1120101

Ion Ratio Lower Upper

92 100

91 169.0 136.8 205.2

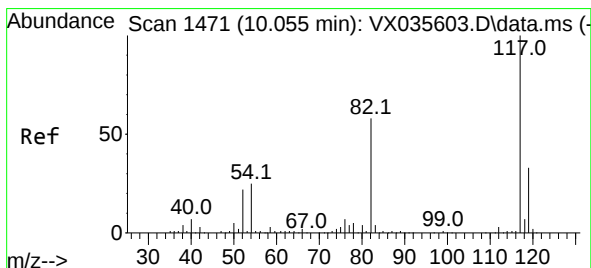
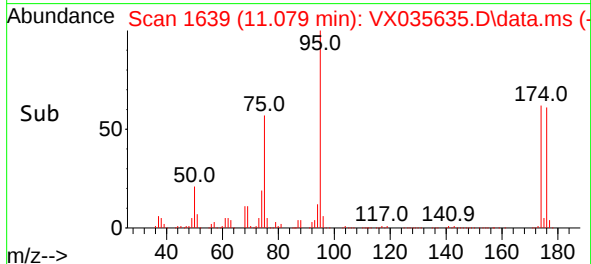
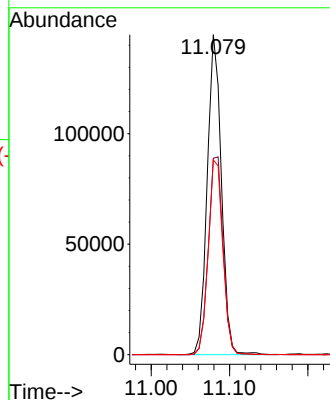
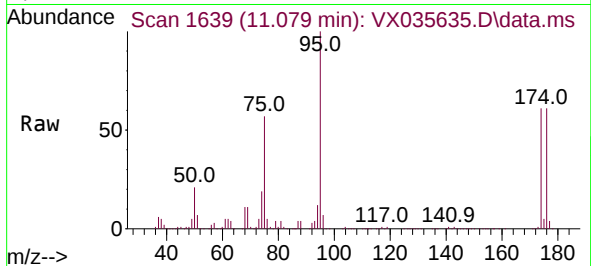




#62
4-Bromofluorobenzene
Concen: 51.846 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035635.D
Acq: 12 May 2023 14:07

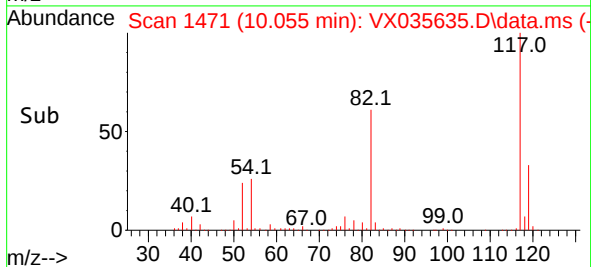
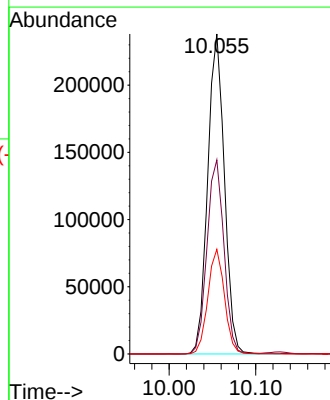
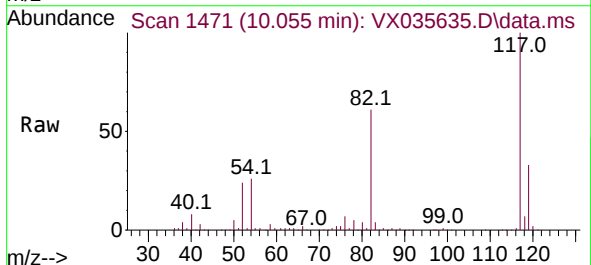
Instrument :
MSVOA_X
ClientSampleId :
50033

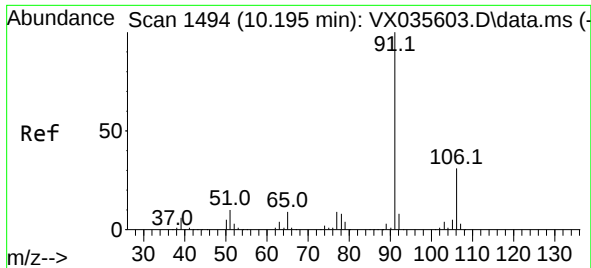
Tgt Ion: 95 Resp: 181161
Ion Ratio Lower Upper
95 100
174 64.5 0.0 147.4
176 62.7 0.0 140.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035635.D
Acq: 12 May 2023 14:07

Tgt Ion: 117 Resp: 319174
Ion Ratio Lower Upper
117 100
82 60.6 45.0 67.4
119 32.7 26.0 39.0

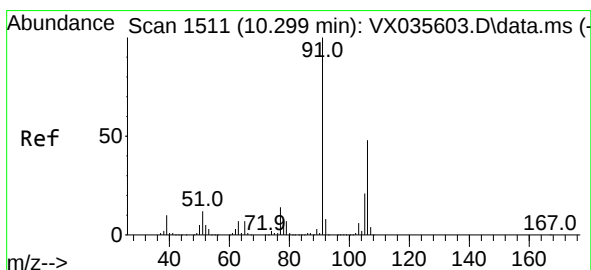
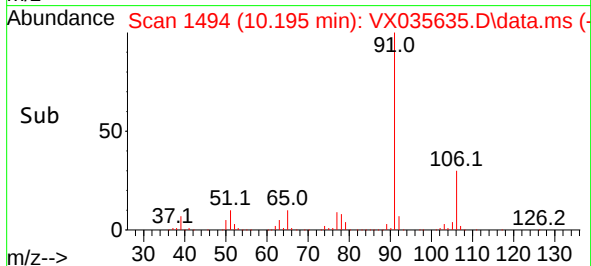
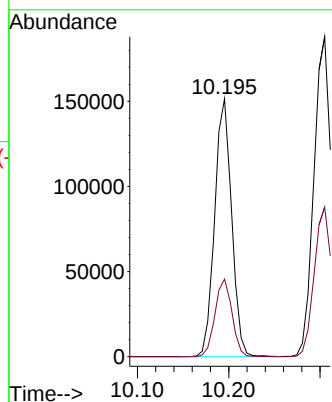
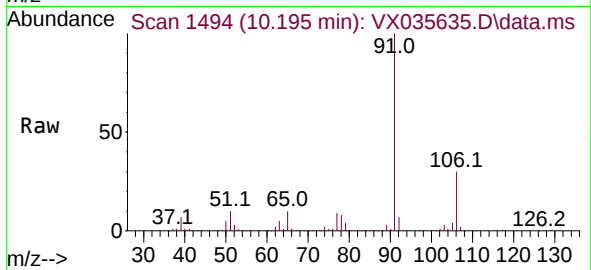




#67
Ethyl Benzene
Concen: 14.913 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX035635.D
Acq: 12 May 2023 14:07

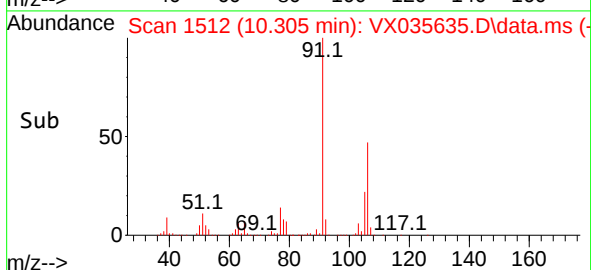
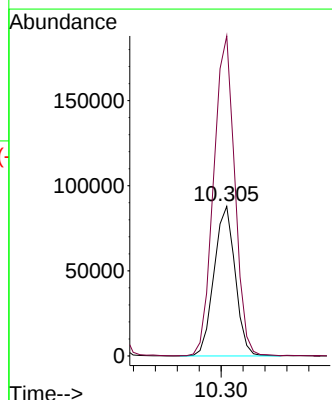
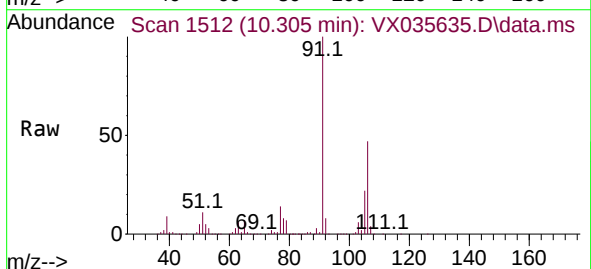
Instrument :
MSVOA_X
ClientSampleId :
50033

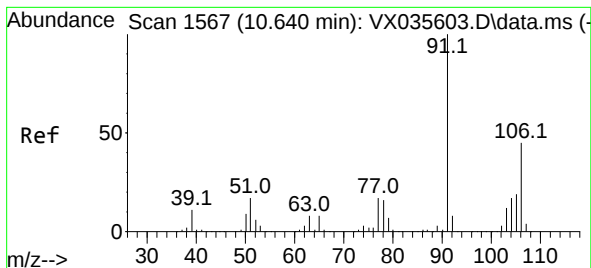
Tgt Ion: 91 Resp: 195418
Ion Ratio Lower Upper
91 100
106 30.1 25.6 38.4



#68
m/p-Xylenes
Concen: 24.310 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX035635.D
Acq: 12 May 2023 14:07

Tgt Ion: 106 Resp: 117748
Ion Ratio Lower Upper
106 100
91 214.0 164.0 246.0





#69

o-Xylene

Concen: 151.245 ug/l

RT: 10.640 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX035635.D

Acq: 12 May 2023 14:07

Instrument :

MSVOA_X

ClientSampleId :

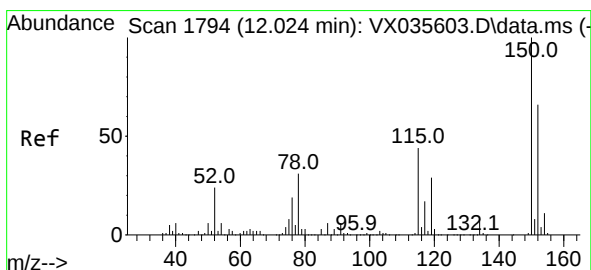
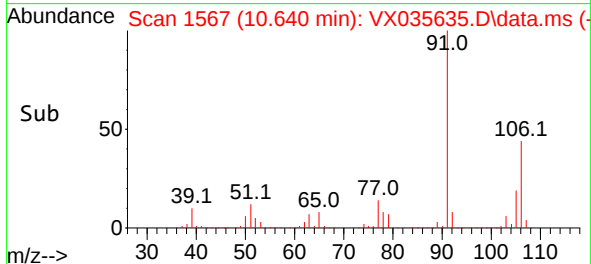
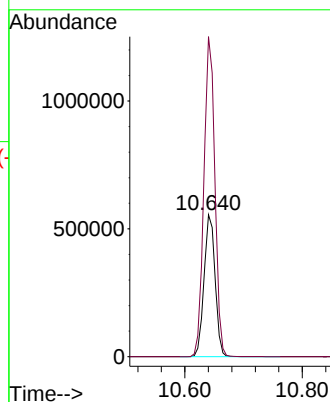
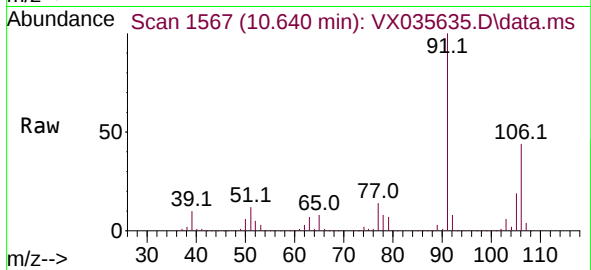
50033

Tgt Ion:106 Resp: 726920

Ion Ratio Lower Upper

106 100

91 224.2 108.5 325.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX035635.D

Acq: 12 May 2023 14:07

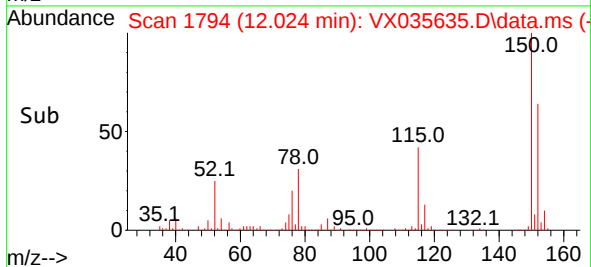
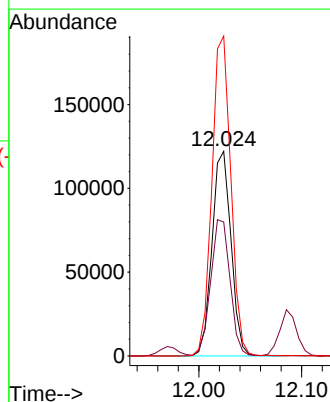
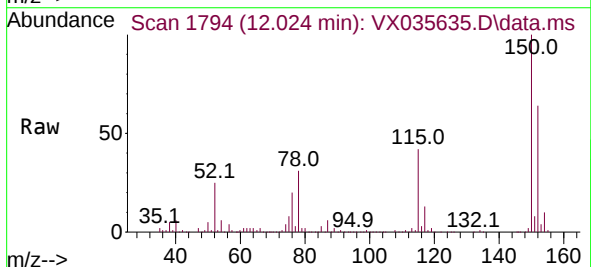
Tgt Ion:152 Resp: 156500

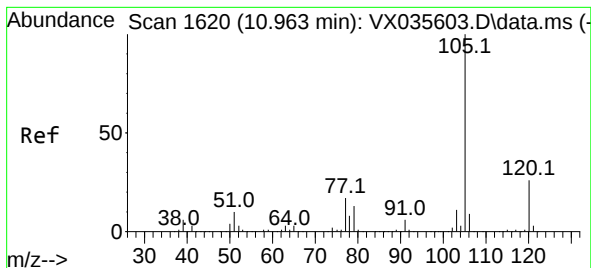
Ion Ratio Lower Upper

152 100

115 67.9 45.0 135.0

150 156.1 0.0 352.4





#73

Isopropylbenzene

Concen: 1.425 ug/l

RT: 10.963 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX035635.D

Acq: 12 May 2023 14:07

Instrument :

MSVOA_X

ClientSampleId :

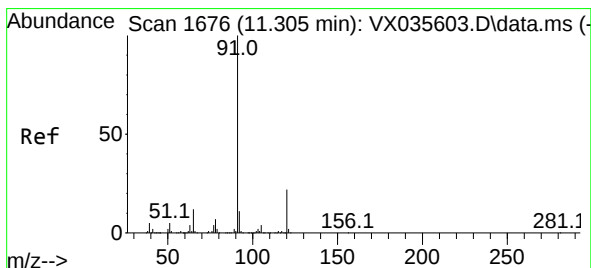
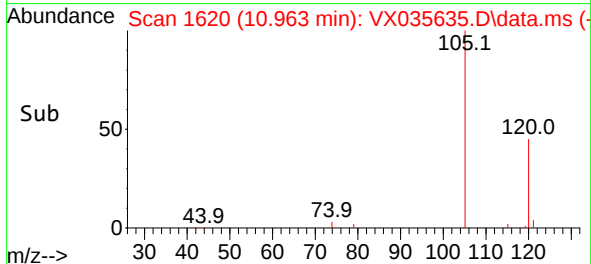
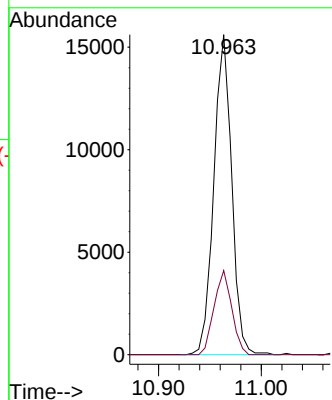
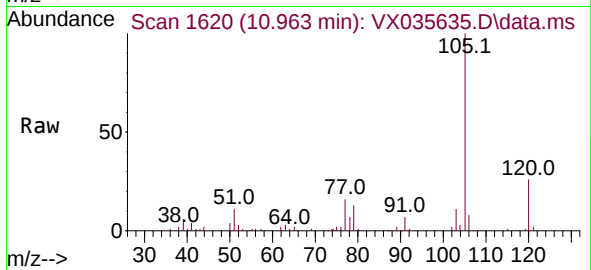
50033

Tgt Ion:105 Resp: 18795

Ion Ratio Lower Upper

105 100

120 26.0 13.3 39.9



#78

n-propylbenzene

Concen: 1.425 ug/l

RT: 11.305 min Scan# 1676

Delta R.T. -0.000 min

Lab File: VX035635.D

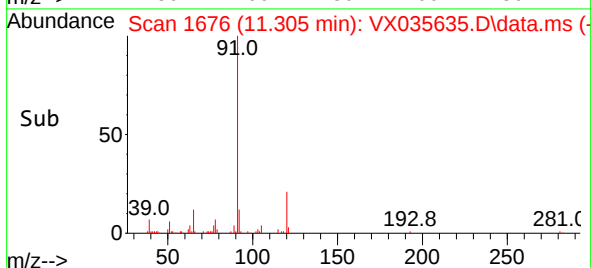
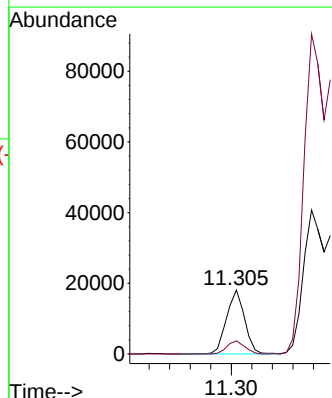
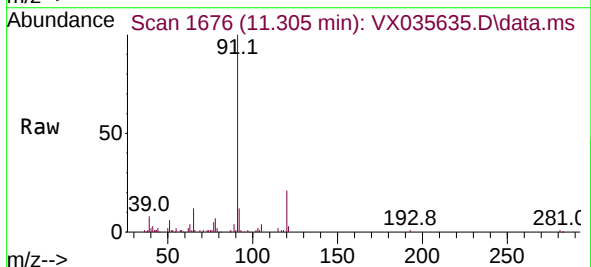
Acq: 12 May 2023 14:07

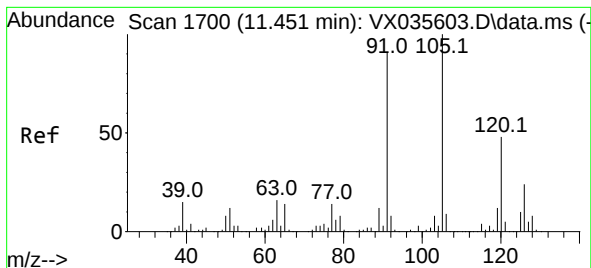
Tgt Ion: 91 Resp: 22092

Ion Ratio Lower Upper

91 100

120 0.0 11.5 34.5#

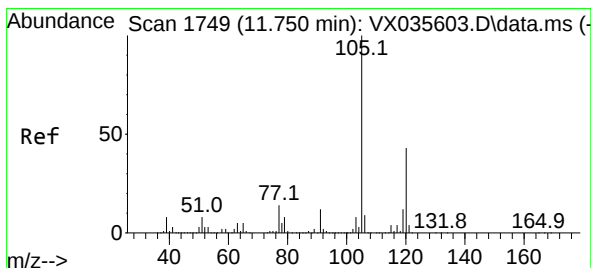
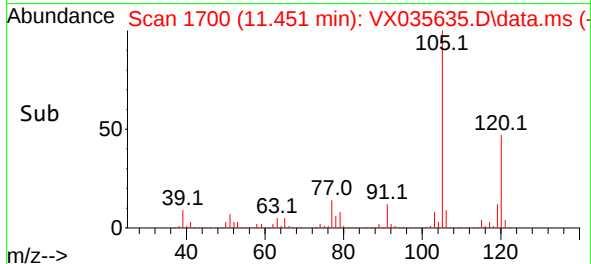
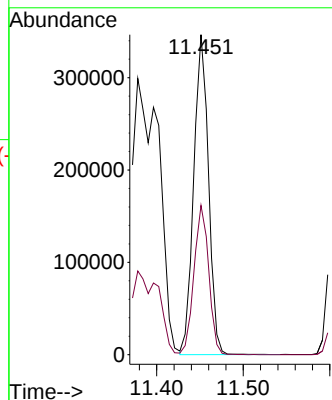
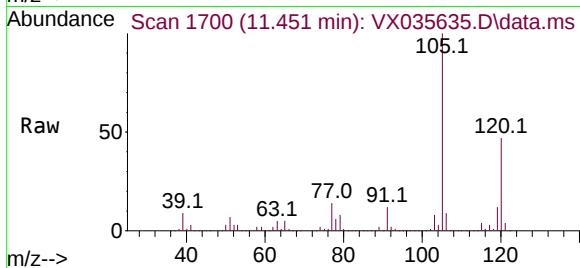




#80
1,3,5-Trimethylbenzene
Concen: 36.457 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX035635.D
Acq: 12 May 2023 14:07

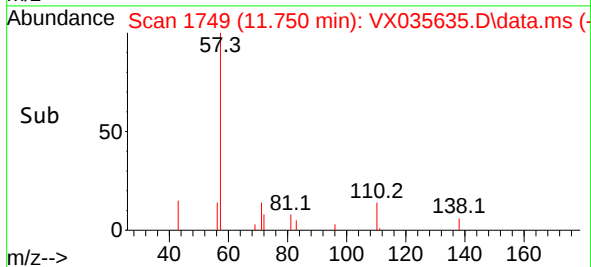
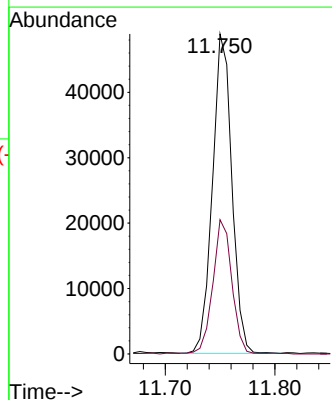
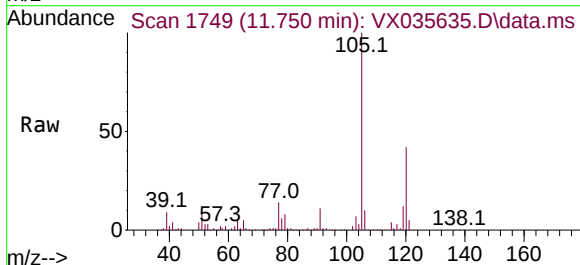
Instrument :
MSVOA_X
ClientSampleId :
50033

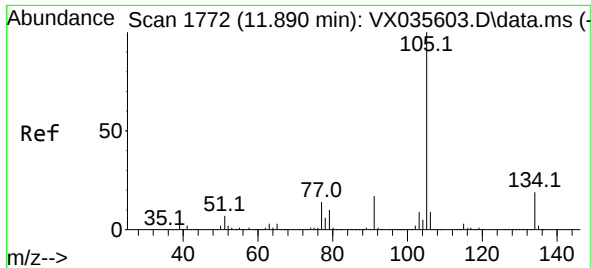
Tgt Ion:105 Resp: 408620
Ion Ratio Lower Upper
105 100
120 46.8 23.7 71.1



#84
1,2,4-Trimethylbenzene
Concen: 5.334 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX035635.D
Acq: 12 May 2023 14:07

Tgt Ion:105 Resp: 60031
Ion Ratio Lower Upper
105 100
120 41.5 22.4 67.0

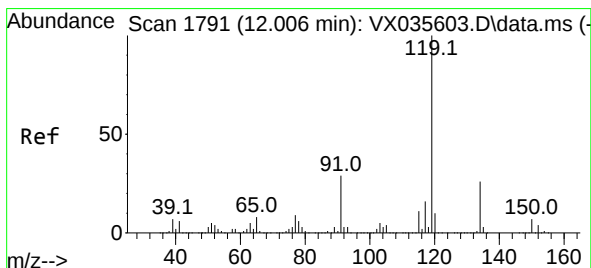
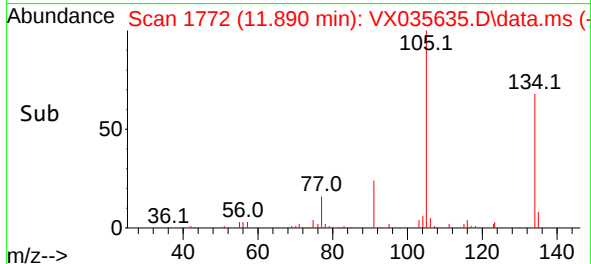
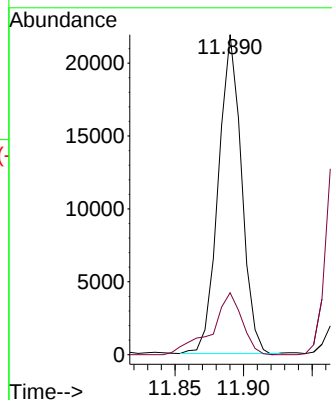
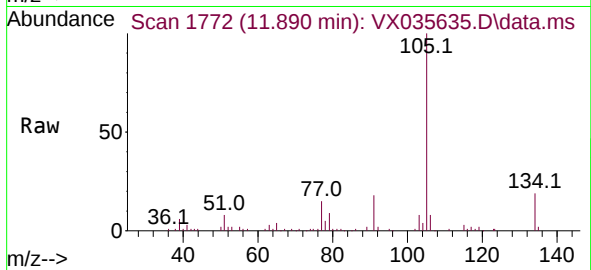




#85
 sec-Butylbenzene
 Concen: 1.879 ug/l
 RT: 11.890 min Scan# 1772
 Delta R.T. 0.000 min
 Lab File: VX035635.D
 Acq: 12 May 2023 14:07

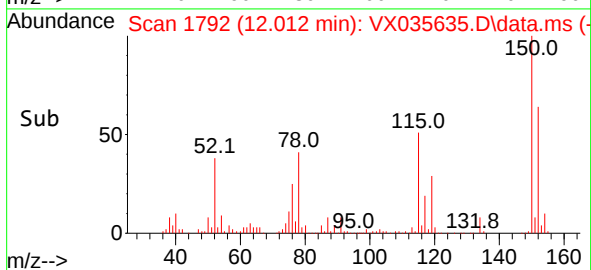
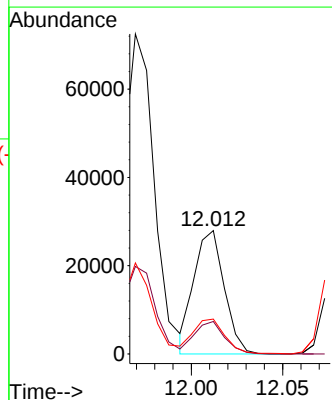
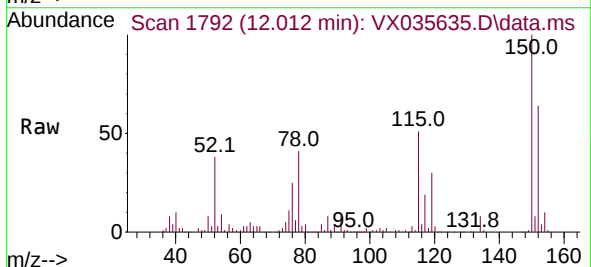
Instrument :
 MSVOA_X
 ClientSampleId :
 50033

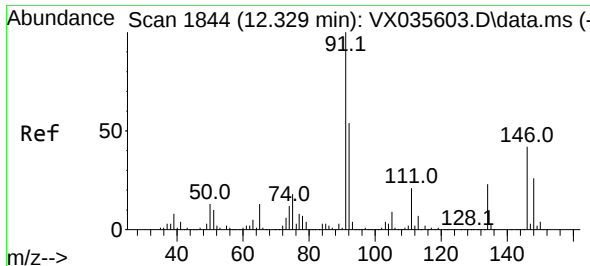
Tgt Ion:105 Resp: 25707
 Ion Ratio Lower Upper
 105 100
 134 25.4 10.2 30.4



#86
 p-Isopropyltoluene
 Concen: 2.866 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. 0.006 min
 Lab File: VX035635.D
 Acq: 12 May 2023 14:07

Tgt Ion:119 Resp: 32227
 Ion Ratio Lower Upper
 119 100
 134 26.2 13.2 39.5
 91 29.8 12.9 38.7





#89

n-Butylbenzene

Concen: 9.147 ug/l

RT: 12.317 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX035635.D

Acq: 12 May 2023 14:07

Instrument :

MSVOA_X

ClientSampleId :

50033

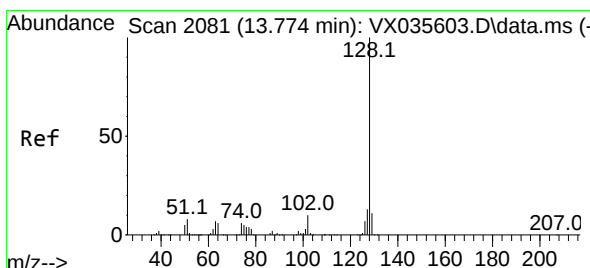
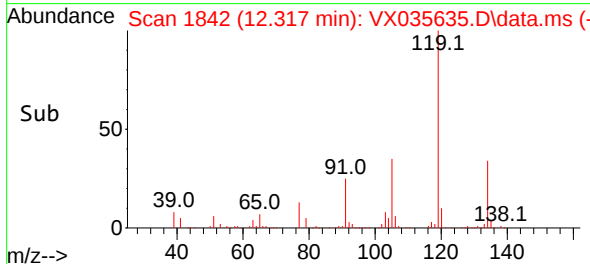
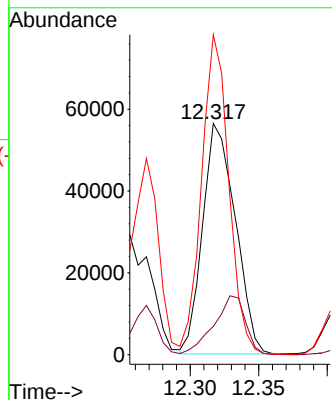
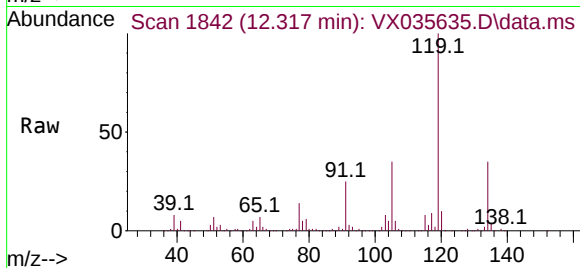
Tgt Ion: 91 Resp: 93577

Ion Ratio Lower Upper

91 100

92 24.7 27.7 83.0#

134 115.0 13.0 38.9#



#95

Naphthalene

Concen: 14.473 ug/l

RT: 13.774 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VX035635.D

Acq: 12 May 2023 14:07

Tgt Ion:128 Resp: 166171

Ion Ratio Lower Upper

128 100

127 13.8 10.2 15.4

129 12.5 8.6 13.0

