

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX040825\
 Data File : VX045642.D
 Acq On : 08 Apr 2025 11:18
 Operator : JC/MD
 Sample : Q1702-03 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 60442

Quant Time: Apr 09 01:35:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.544	168	62752	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	124174	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	115307	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	46091	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64071	55.832	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	111.660%
35) Dibromofluoromethane	5.379	113	46302	52.555	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	105.120%
50) Toluene-d8	8.647	98	156553	50.910	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	101.820%
62) 4-Bromofluorobenzene	11.079	95	57030	50.915	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	101.820%

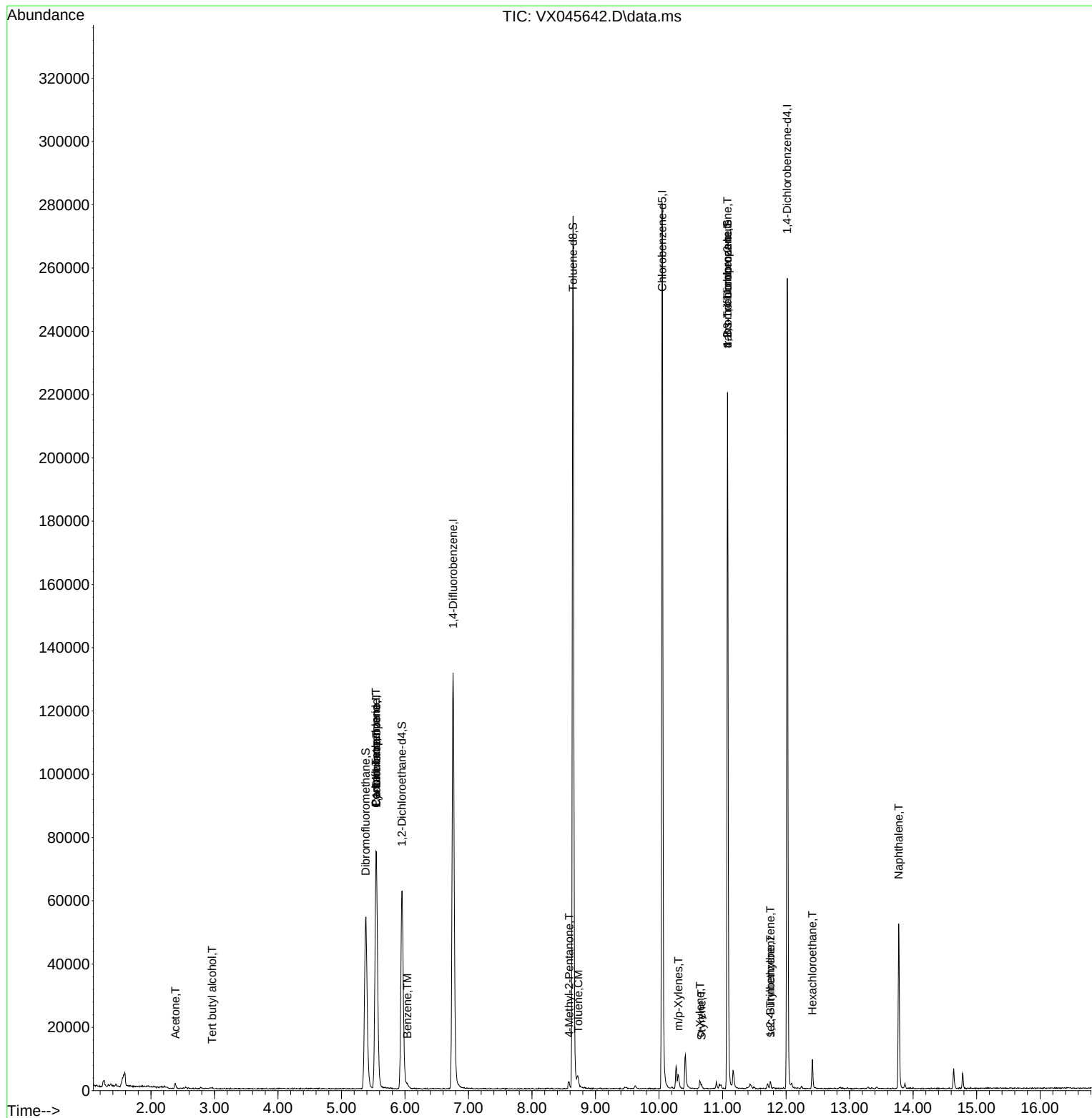
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.965	59	304	1.971	ug/l	# 72
16) Acetone	2.386	43	1755	3.724	ug/l	92
31) Cyclohexane	5.550	56	1941	1.379	ug/l	# 46
36) 1,1-Dichloropropene	5.550	75	6428	5.404	ug/l	# 49
38) Carbon Tetrachloride	5.544	117	7690	5.982	ug/l	# 16
40) Benzene	6.038	78	1230	0.339	ug/l	95
51) 4-Methyl-2-Pentanone	8.586	43	1621	1.076	ug/l	93
52) Toluene	8.726	92	1228	0.559	ug/l	98
68) m/p-Xylenes	10.305	106	931	0.580	ug/l	93
69) o-Xylene	10.646	106	575	0.364	ug/l	98
70) Styrene	10.671	104	685	0.262	ug/l	# 75
76) 1,2,3-Trichloropropane	11.079	75	32450	28.863	ug/l	# 37
81) trans-1,4-Dichloro-2-b...	11.079	75	32450	97.958	ug/l	# 1
84) 1,2,4-Trimethylbenzene	11.756	105	1355	0.442	ug/l	89
85) sec-Butylbenzene	11.756	105	1355	0.365	ug/l	# 58
90) Hexachloroethane	12.414	117	356	0.677	ug/l	# 19
95) Naphthalene	13.774	128	32638	10.206	ug/l	99

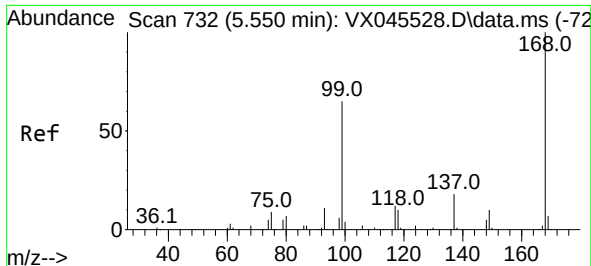
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
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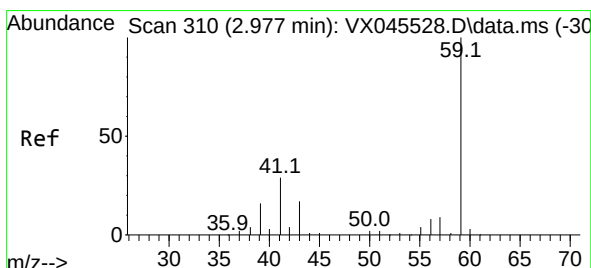
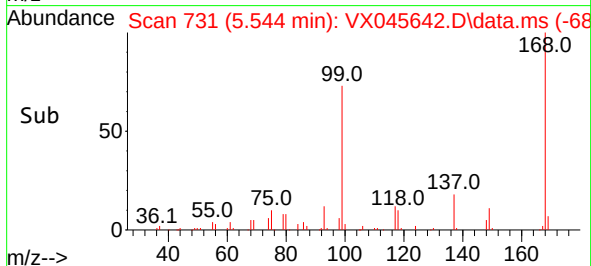
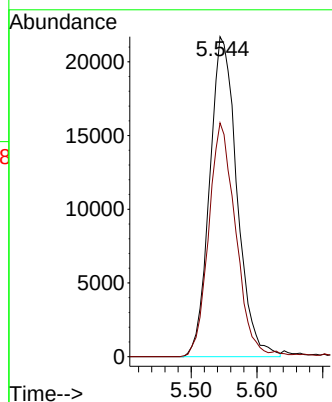
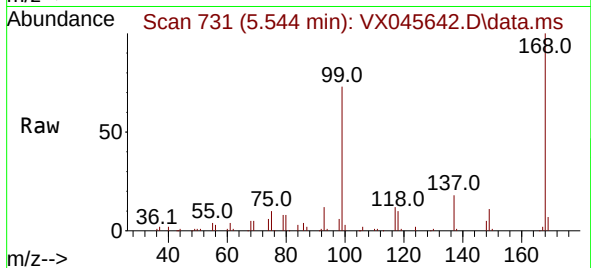




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045642.D
Acq: 08 Apr 2025 11:18

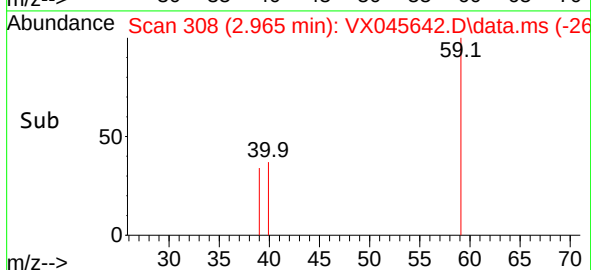
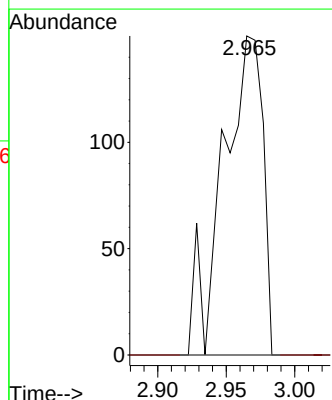
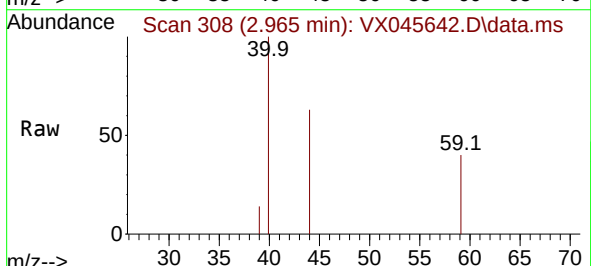
Instrument :
MSVOA_X
ClientSampleId :
60442

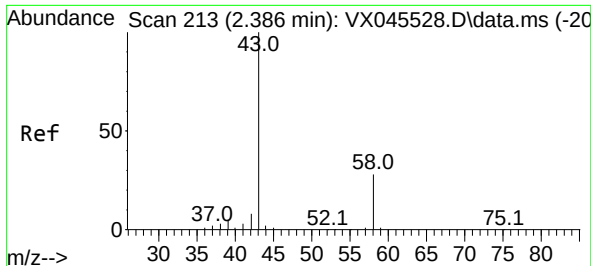
Tgt Ion:168 Resp: 62752
Ion Ratio Lower Upper
168 100
99 73.1 52.3 78.5



#11
Tert butyl alcohol
Concen: 1.971 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX045642.D
Acq: 08 Apr 2025 11:18

Tgt Ion: 59 Resp: 304
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

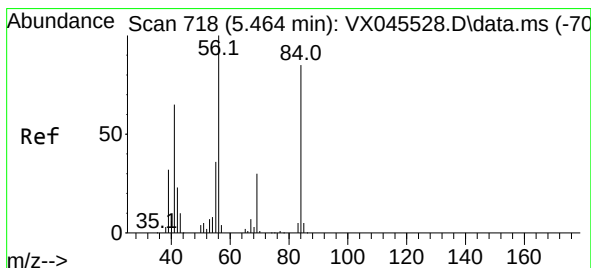
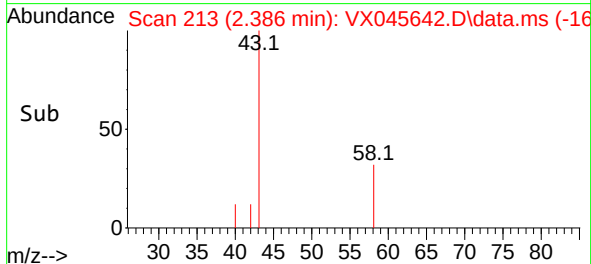
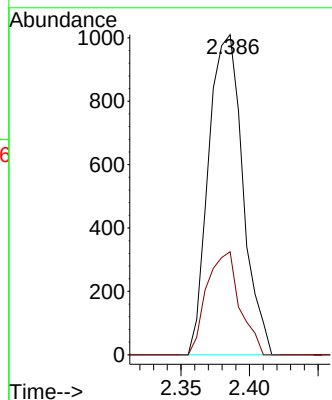
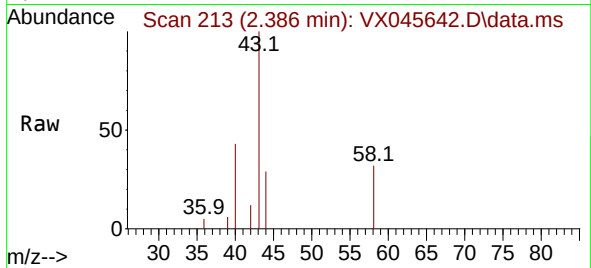




#16
Acetone
Concen: 3.724 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX045642.D
Acq: 08 Apr 2025 11:18

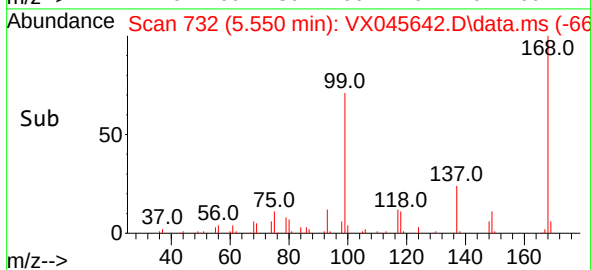
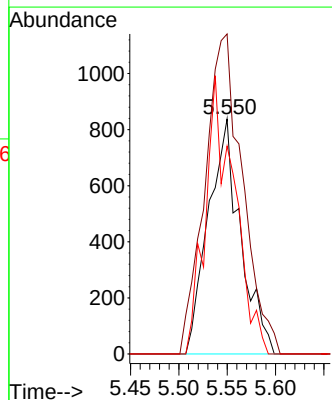
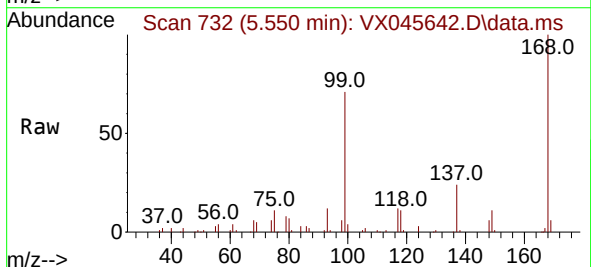
Instrument :
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ClientSampleId :
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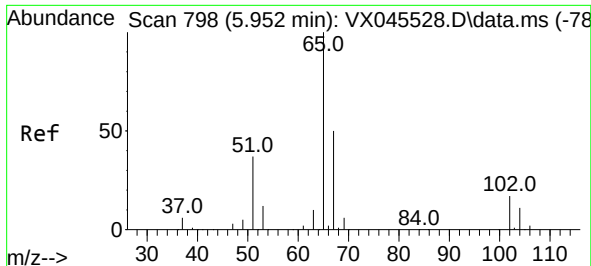
Tgt Ion: 43 Resp: 1755
Ion Ratio Lower Upper
43 100
58 32.2 22.3 33.5



#31
Cyclohexane
Concen: 1.379 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.085 min
Lab File: VX045642.D
Acq: 08 Apr 2025 11:18

Tgt Ion: 56 Resp: 1941
Ion Ratio Lower Upper
56 100
69 136.2 23.6 35.4#
84 88.4 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 55.832 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX045642.D

Acq: 08 Apr 2025 11:18

Instrument :

MSVOA_X

ClientSampleId :

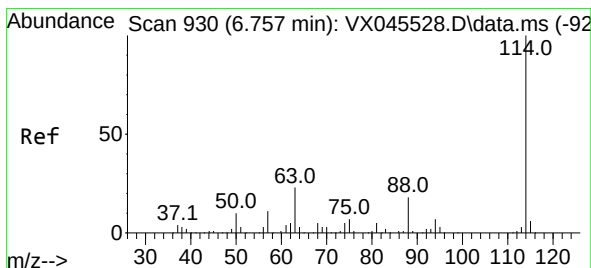
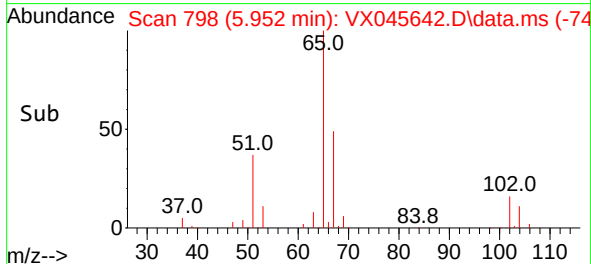
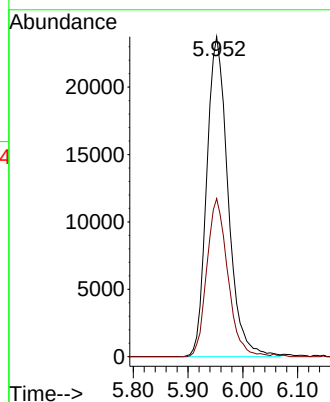
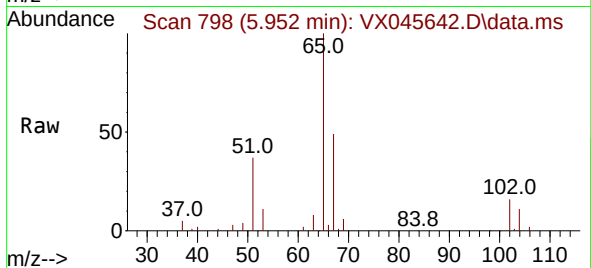
60442

Tgt Ion: 65 Resp: 64071

Ion Ratio Lower Upper

65 100

67 48.6 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045642.D

Acq: 08 Apr 2025 11:18

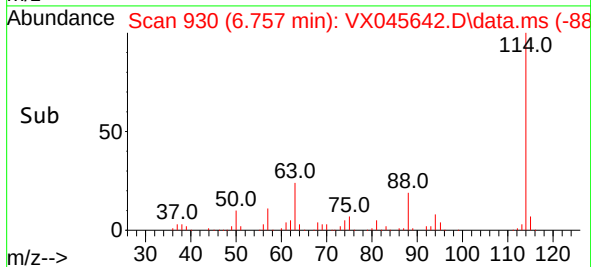
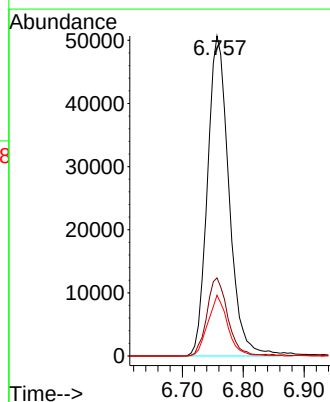
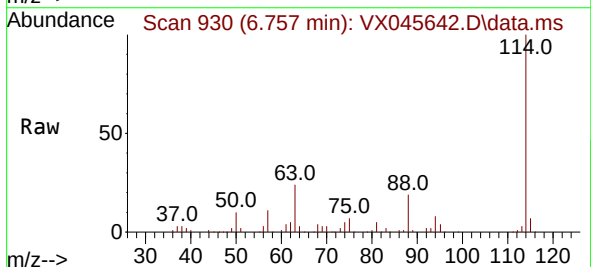
Tgt Ion: 114 Resp: 124174

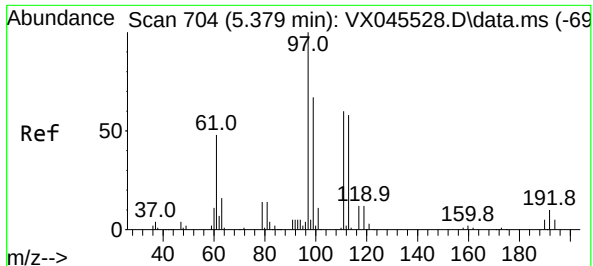
Ion Ratio Lower Upper

114 100

63 24.4 0.0 46.8

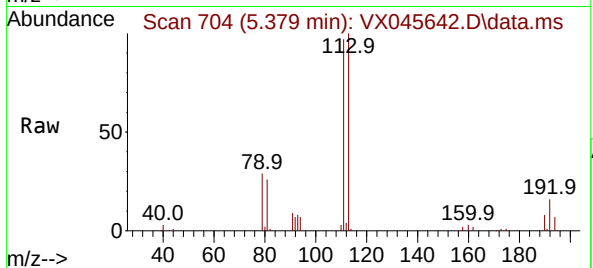
88 18.9 0.0 35.4



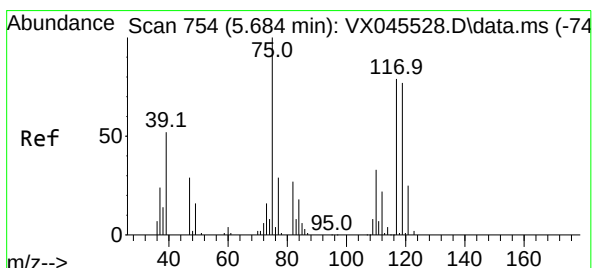
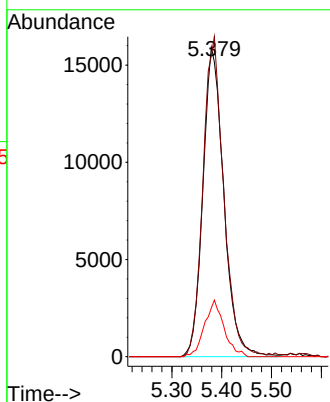
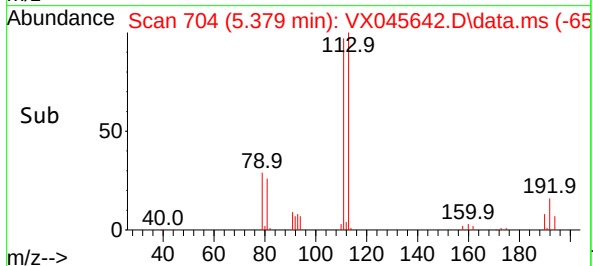


#35
Dibromofluoromethane
Concen: 52.555 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.000 min
Lab File: VX045642.D
Acq: 08 Apr 2025 11:18

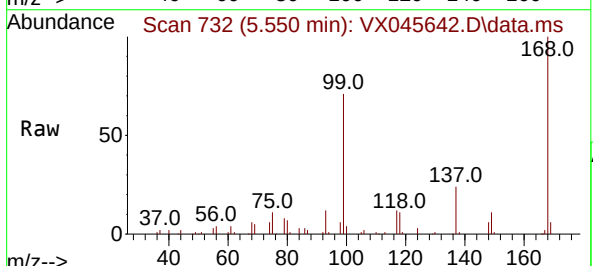
Instrument :
MSVOA_X
ClientSampleId :
60442



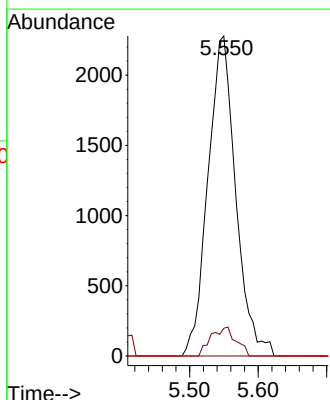
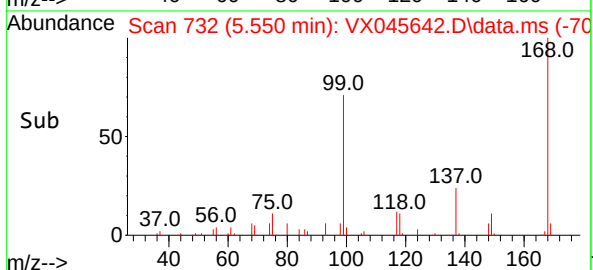
Tgt Ion:113 Resp: 46302
Ion Ratio Lower Upper
113 100
111 102.2 81.8 122.6
192 17.1 13.8 20.6

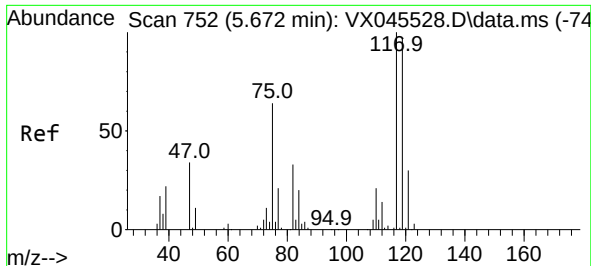


#36
1,1-Dichloropropene
Concen: 5.404 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.134 min
Lab File: VX045642.D
Acq: 08 Apr 2025 11:18



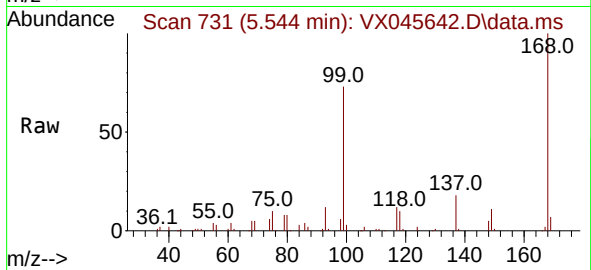
Tgt Ion: 75 Resp: 6428
Ion Ratio Lower Upper
75 100
110 8.1 16.9 50.6#
77 0.0 25.0 37.4#



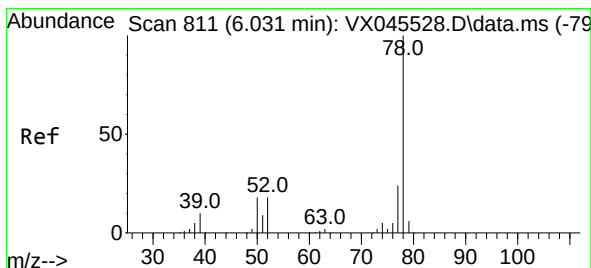
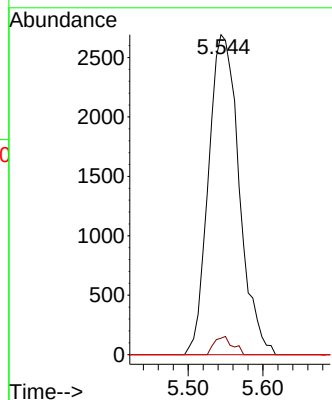
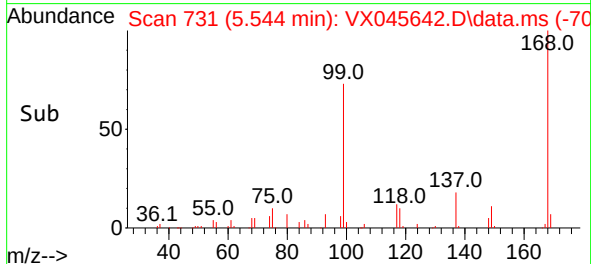


#38
Carbon Tetrachloride
Concen: 5.982 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX045642.D
Acq: 08 Apr 2025 11:18

Instrument :
MSVOA_X
ClientSampleId :
60442

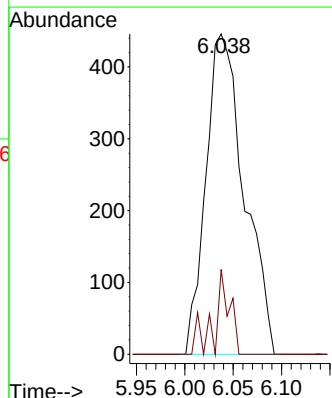
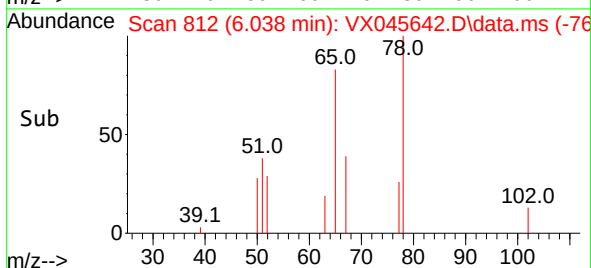
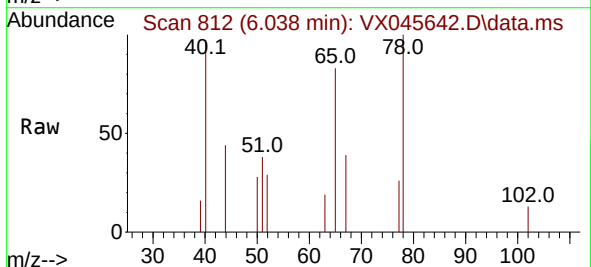


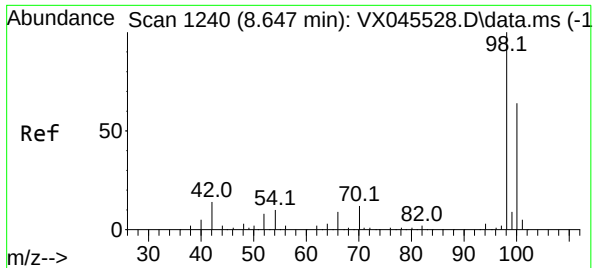
Tgt Ion:117 Resp: 7690
Ion Ratio Lower Upper
117 100
119 5.1 76.9 115.3#
121 0.0 24.2 36.2#



#40
Benzene
Concen: 0.339 ug/l
RT: 6.038 min Scan# 812
Delta R.T. 0.006 min
Lab File: VX045642.D
Acq: 08 Apr 2025 11:18

Tgt Ion: 78 Resp: 1230
Ion Ratio Lower Upper
78 100
77 26.5 19.0 28.6

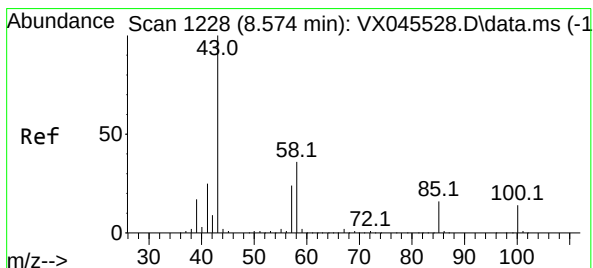
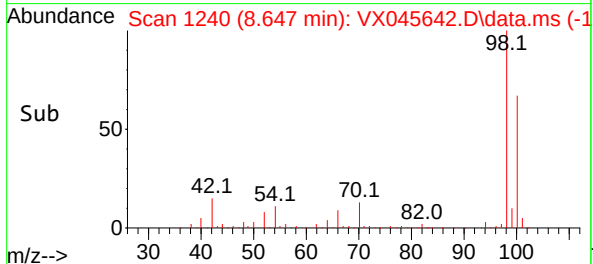
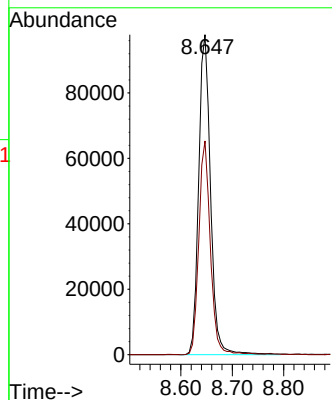
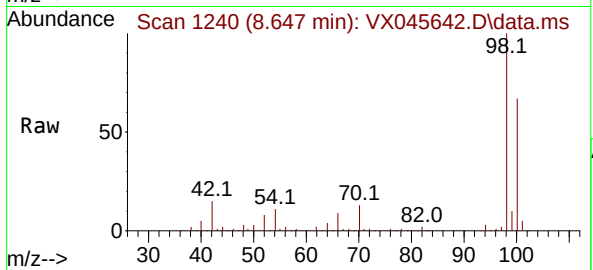




#50
Toluene-d8
Concen: 50.910 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045642.D
Acq: 08 Apr 2025 11:18

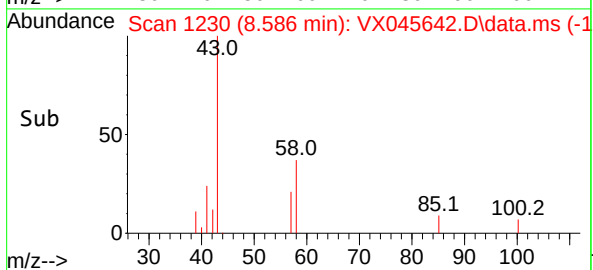
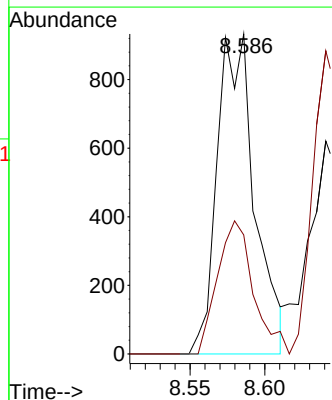
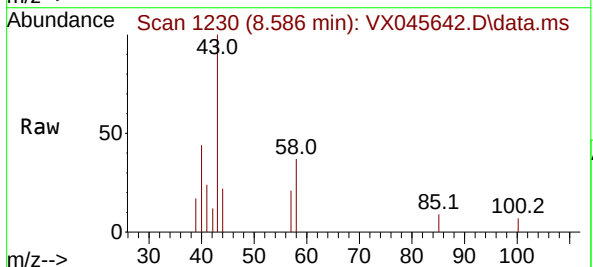
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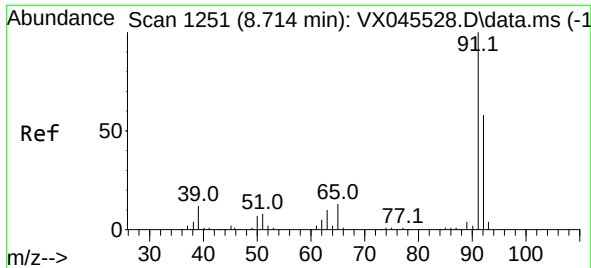
Tgt Ion: 98 Resp: 156553
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.076 ug/l
RT: 8.586 min Scan# 1230
Delta R.T. 0.012 min
Lab File: VX045642.D
Acq: 08 Apr 2025 11:18

Tgt Ion: 43 Resp: 1621
Ion Ratio Lower Upper
43 100
58 40.0 28.5 42.7

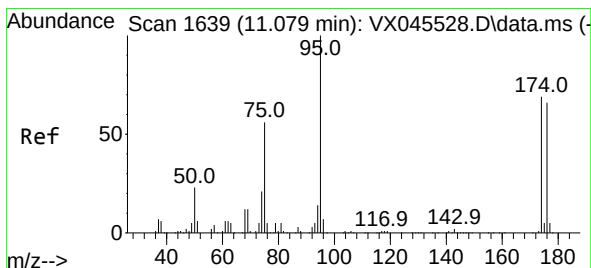
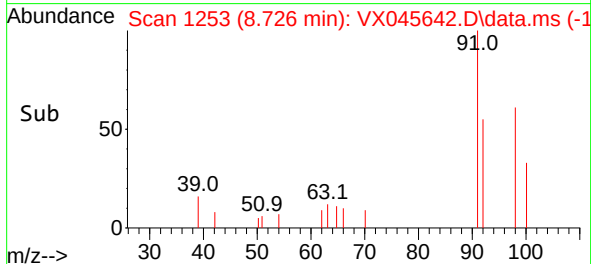
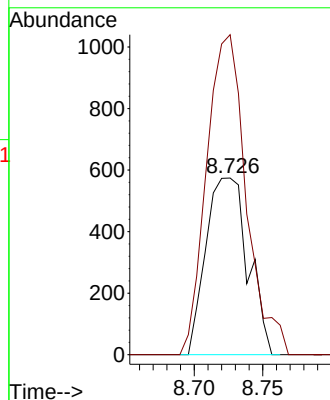
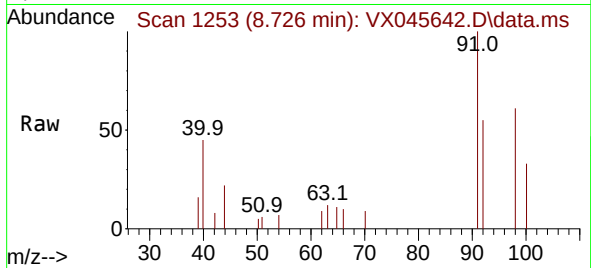




#52
Toluene
Concen: 0.559 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.012 min
Lab File: VX045642.D
Acq: 08 Apr 2025 11:18

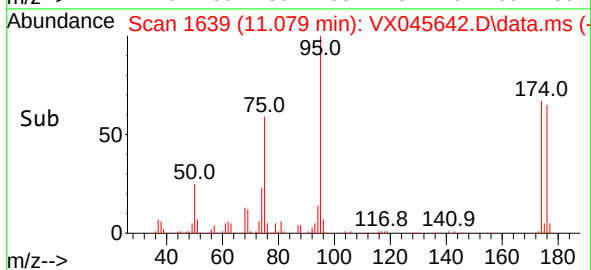
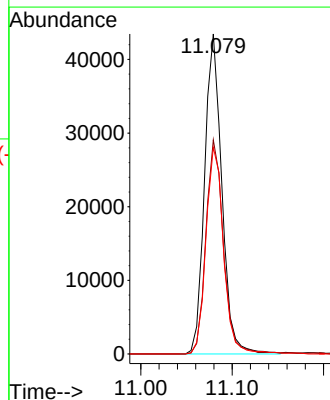
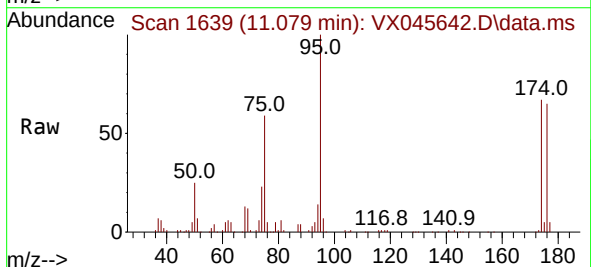
Instrument :
MSVOA_X
ClientSampleId :
60442

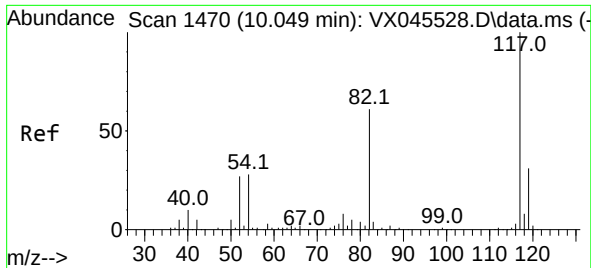
Tgt Ion: 92 Resp: 1228
Ion Ratio Lower Upper
92 100
91 170.6 138.7 208.1



#62
4-Bromofluorobenzene
Concen: 50.915 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045642.D
Acq: 08 Apr 2025 11:18

Tgt Ion: 95 Resp: 57030
Ion Ratio Lower Upper
95 100
174 67.9 0.0 135.8
176 66.1 0.0 131.4

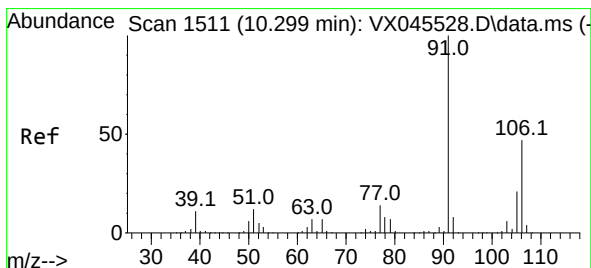
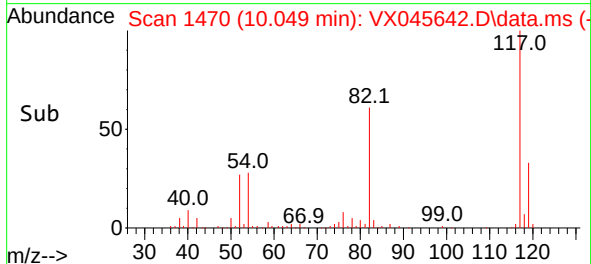
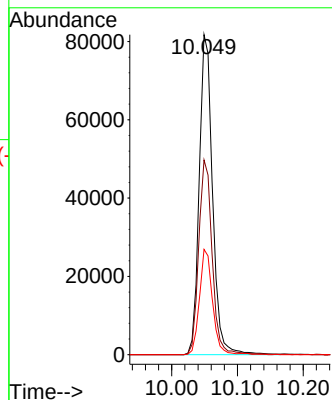
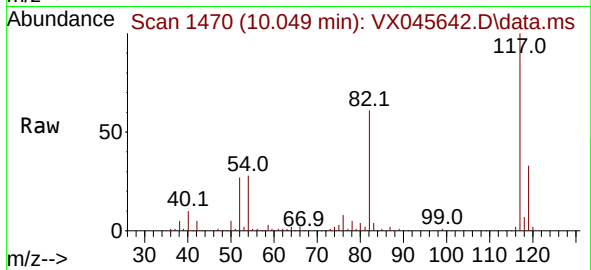




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX045642.D
Acq: 08 Apr 2025 11:18

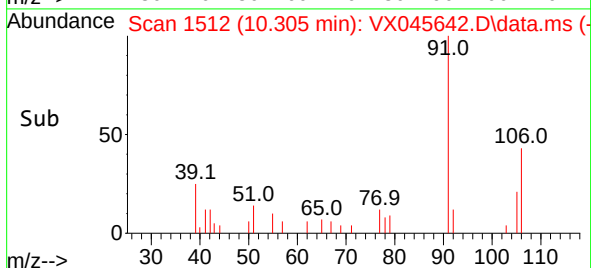
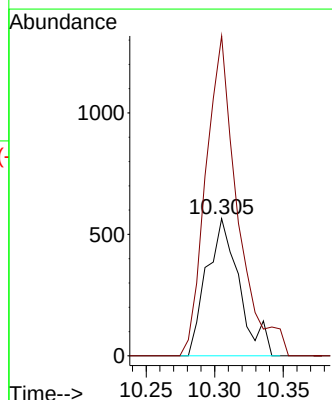
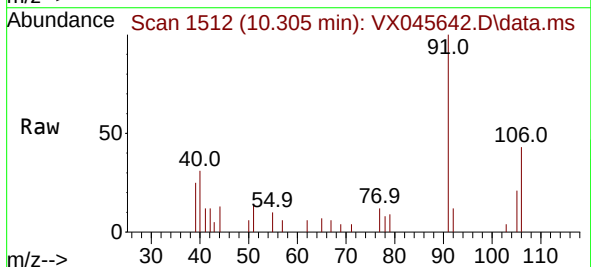
Instrument :
MSVOA_X
ClientSampleId :
60442

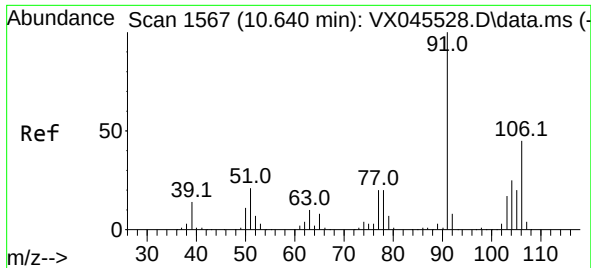
Tgt Ion:117 Resp: 115307
Ion Ratio Lower Upper
117 100
82 60.8 49.2 73.8
119 32.9 25.1 37.7



#68
m/p-Xylenes
Concen: 0.580 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.006 min
Lab File: VX045642.D
Acq: 08 Apr 2025 11:18

Tgt Ion:106 Resp: 931
Ion Ratio Lower Upper
106 100
91 227.5 172.6 258.8

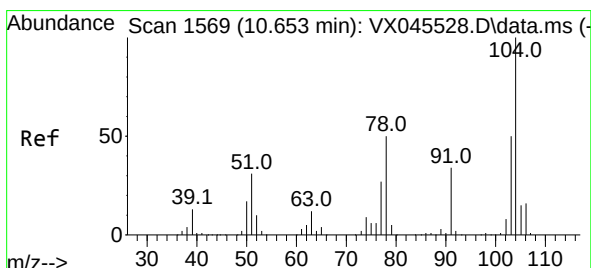
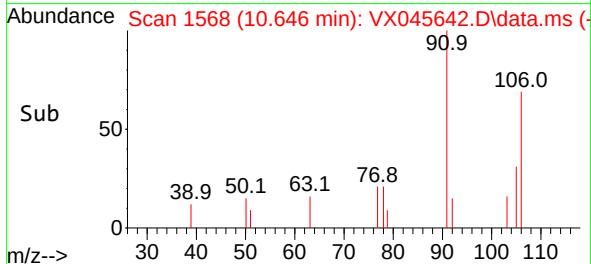
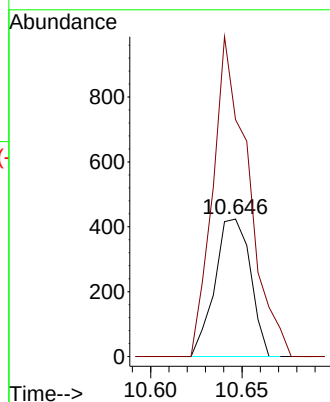
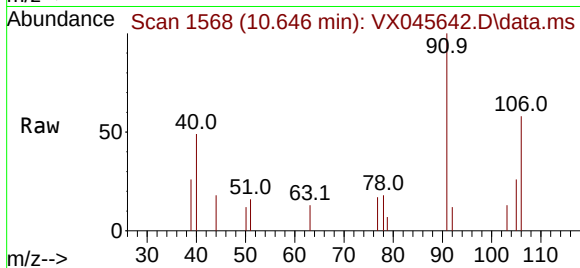




#69
o-Xylene
Concen: 0.364 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045642.D
Acq: 08 Apr 2025 11:18

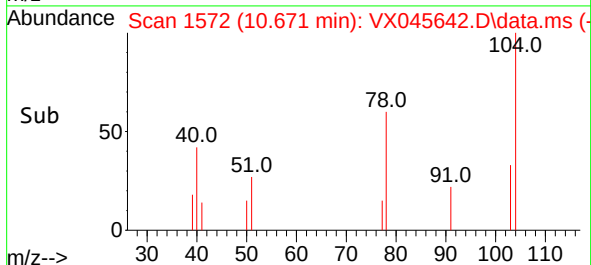
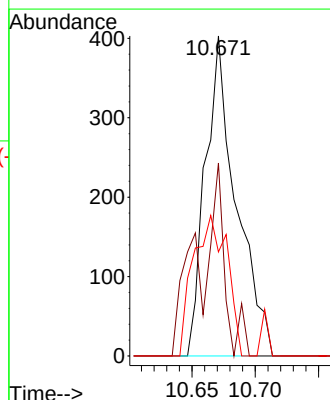
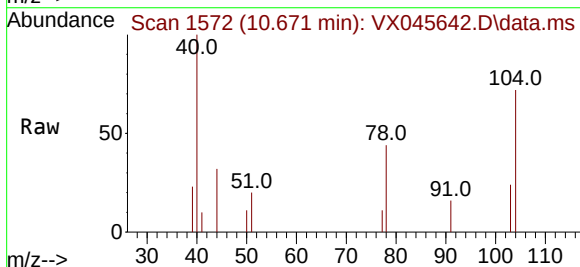
Instrument :
MSVOA_X
ClientSampleId :
60442

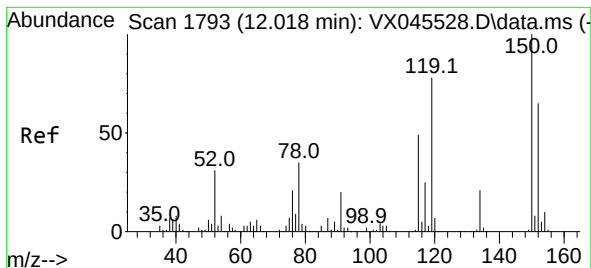
Tgt Ion:106 Resp: 575
Ion Ratio Lower Upper
106 100
91 230.8 113.6 340.6



#70
Styrene
Concen: 0.262 ug/l
RT: 10.671 min Scan# 1572
Delta R.T. 0.018 min
Lab File: VX045642.D
Acq: 08 Apr 2025 11:18

Tgt Ion:104 Resp: 685
Ion Ratio Lower Upper
104 100
78 27.7 45.4 68.2#
103 48.0 43.8 65.8

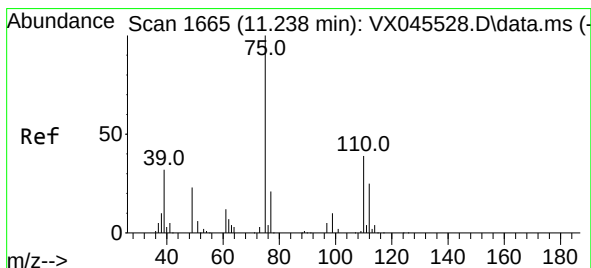
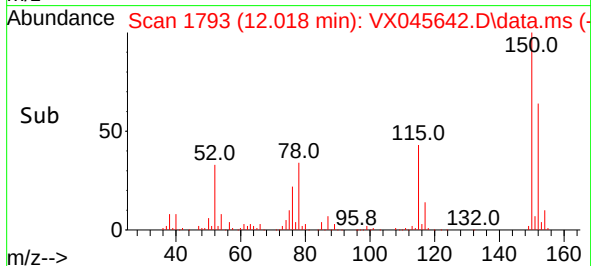
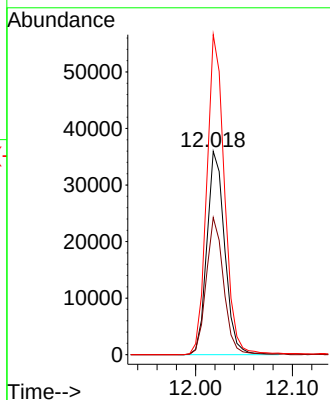
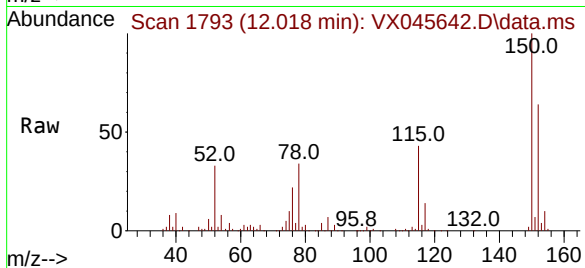




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX045642.D
Acq: 08 Apr 2025 11:18

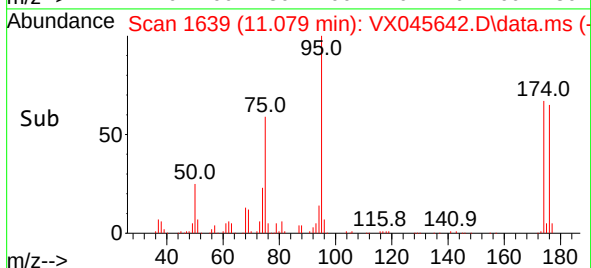
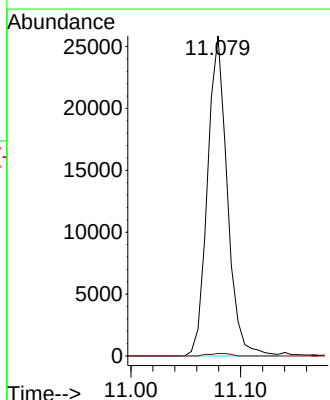
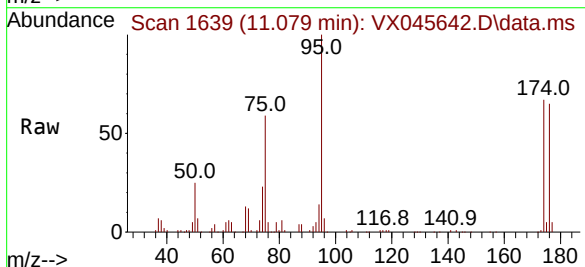
Instrument :
MSVOA_X
ClientSampleId :
60442

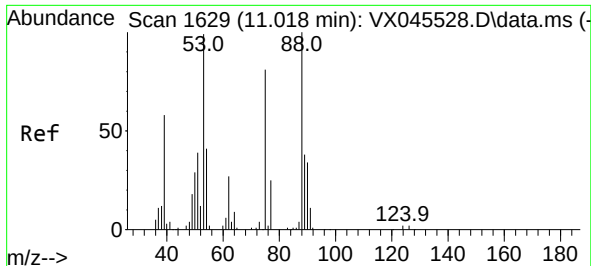
Tgt Ion:152 Resp: 46091
Ion Ratio Lower Upper
152 100
115 65.9 46.9 140.7
150 157.1 0.0 349.4



#76
1,2,3-Trichloropropane
Concen: 28.863 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX045642.D
Acq: 08 Apr 2025 11:18

Tgt Ion: 75 Resp: 32450
Ion Ratio Lower Upper
75 100
77 0.9 20.0 59.9#

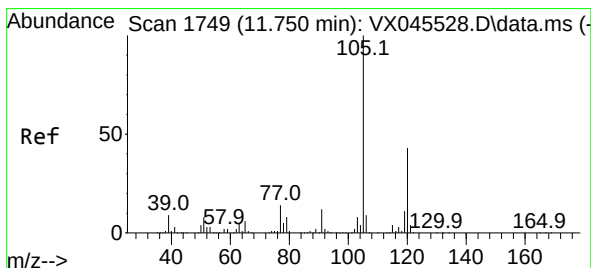
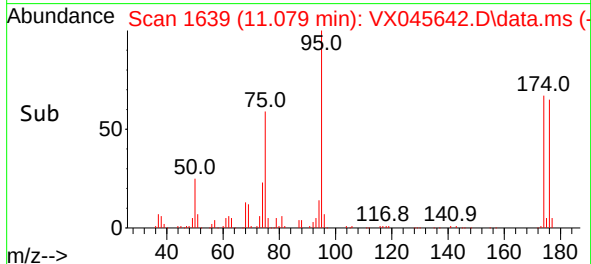
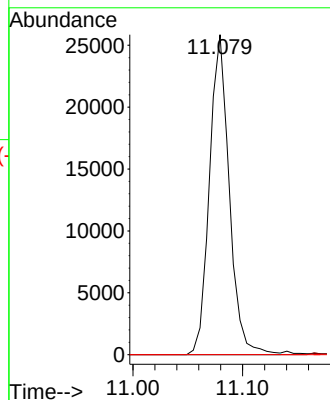
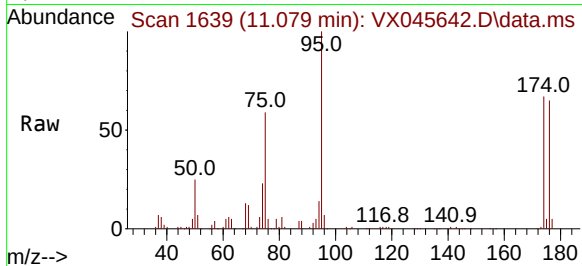




#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.958 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.061 min
 Lab File: VX045642.D
 Acq: 08 Apr 2025 11:18

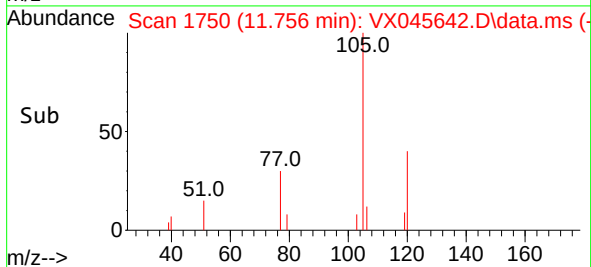
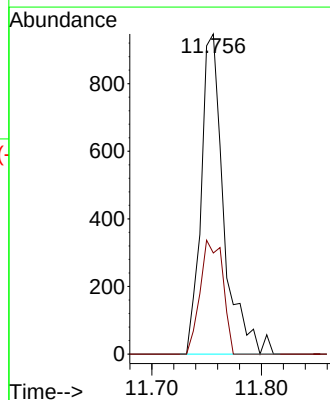
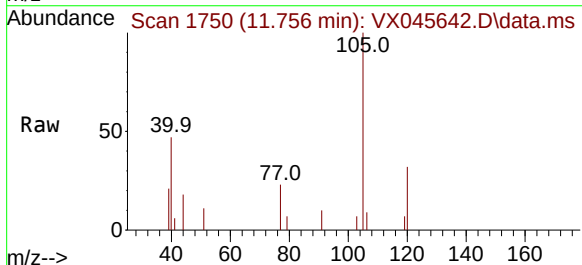
Instrument :
 MSVOA_X
 ClientSampleId :
 60442

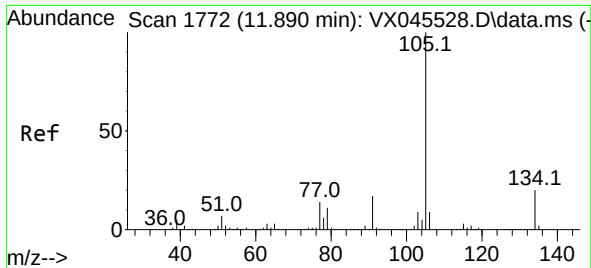
Tgt Ion: 75 Resp: 32450
 Ion Ratio Lower Upper
 75 100
 53 0.0 101.8 152.6#
 89 0.0 37.2 55.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 0.442 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. 0.006 min
 Lab File: VX045642.D
 Acq: 08 Apr 2025 11:18

Tgt Ion: 105 Resp: 1355
 Ion Ratio Lower Upper
 105 100
 120 35.6 21.4 64.3

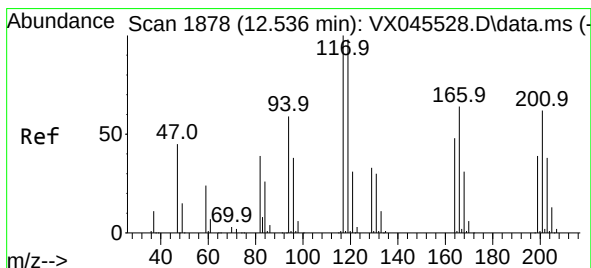
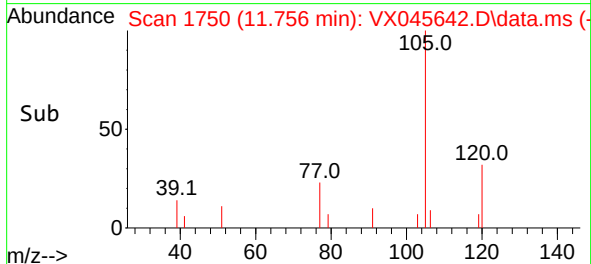
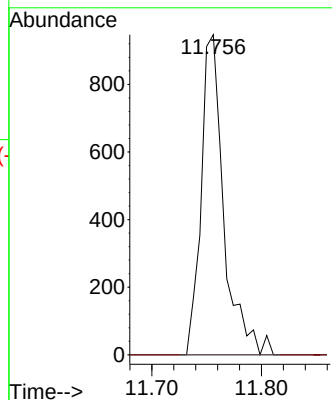
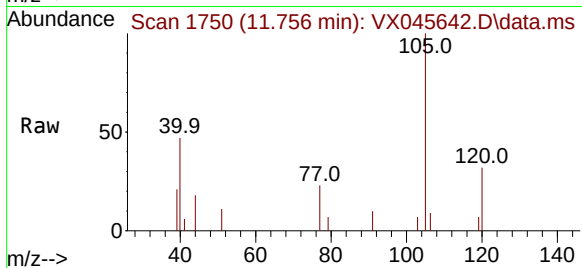




#85
 sec-Butylbenzene
 Concen: 0.365 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. -0.134 min
 Lab File: VX045642.D
 Acq: 08 Apr 2025 11:18

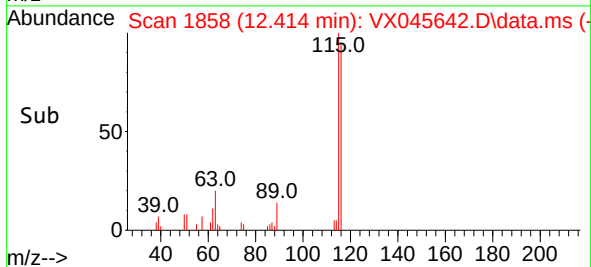
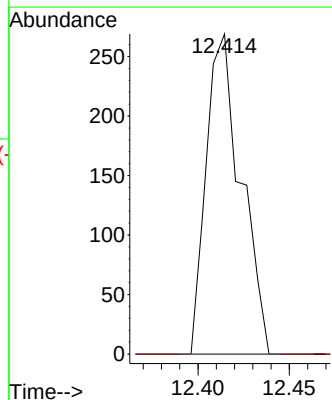
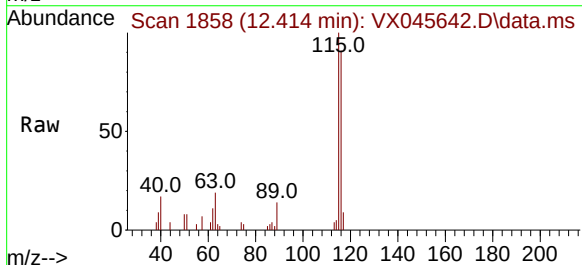
Instrument :
 MSVOA_X
 ClientSampleId :
 60442

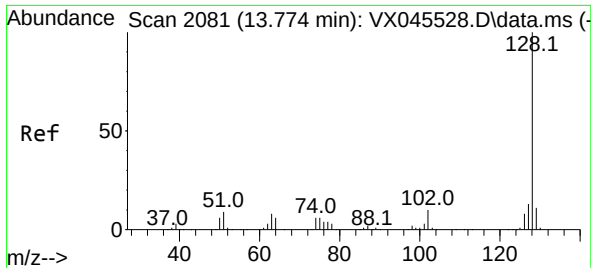
Tgt Ion:105 Resp: 1355
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.6#



#90
 Hexachloroethane
 Concen: 0.677 ug/l
 RT: 12.414 min Scan# 1858
 Delta R.T. -0.122 min
 Lab File: VX045642.D
 Acq: 08 Apr 2025 11:18

Tgt Ion:117 Resp: 356
 Ion Ratio Lower Upper
 117 100
 201 0.0 31.2 93.6#





#95

Naphthalene

Concen: 10.206 ug/l

RT: 13.774 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX045642.D

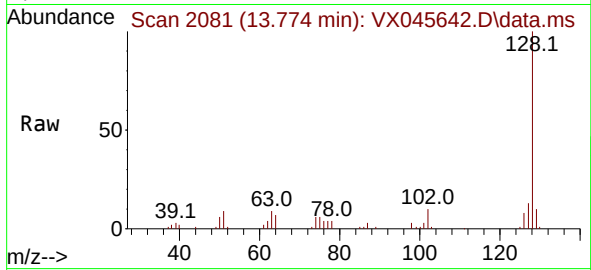
Acq: 08 Apr 2025 11:18

Instrument :

MSVOA_X

ClientSampleId :

60442



Tgt Ion:128 Resp: 32638

Ion Ratio Lower Upper

128 100

127 12.6 10.3 15.5

129 9.9 8.6 12.8

