

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
 Data File : VX048465.D
 Acq On : 03 Nov 2025 18:05
 Operator : JC/MD
 Sample : Q3505-04 10X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 04 00:18:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 30 02:37:17 2025
 Response via : Initial Calibration

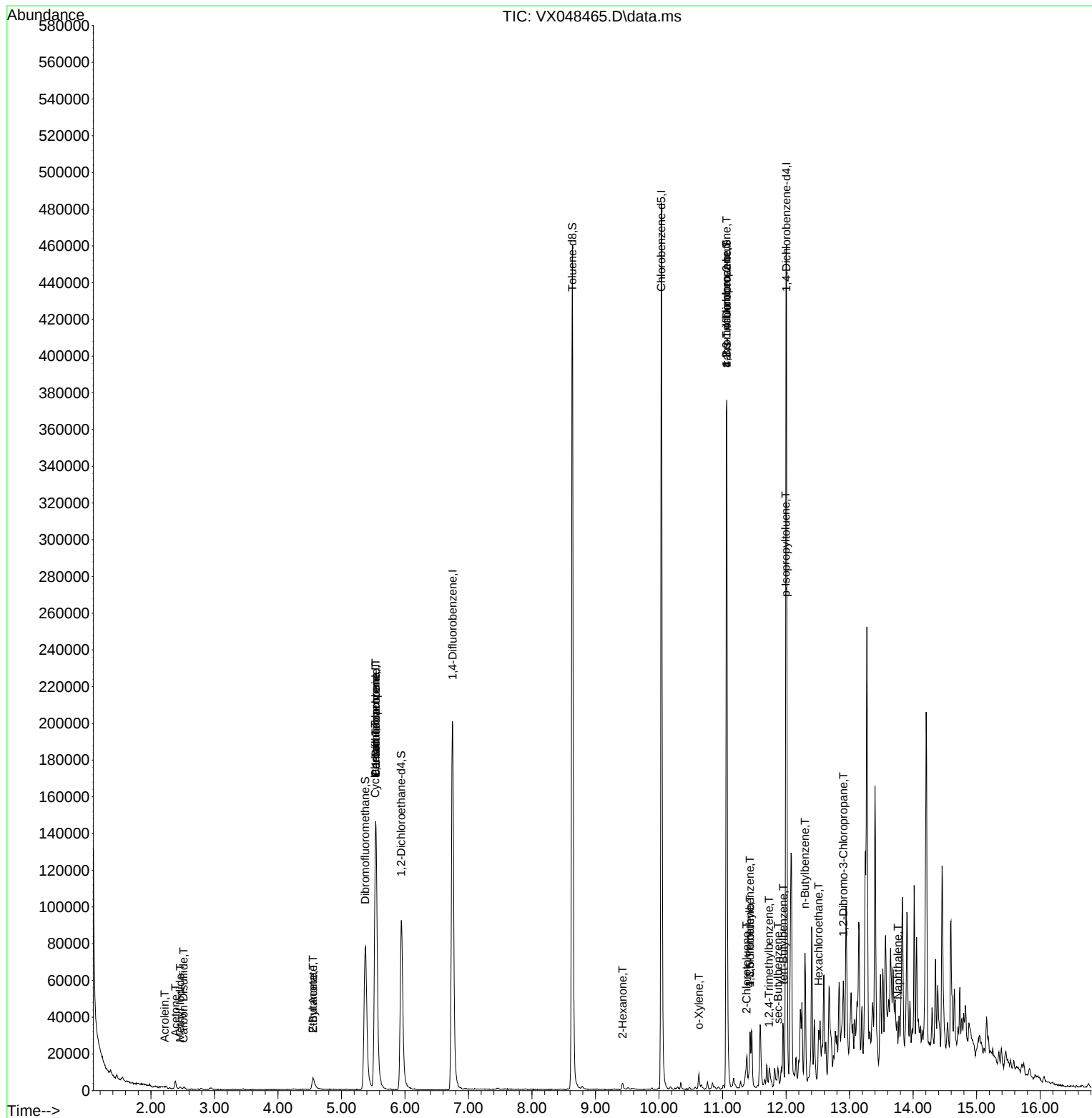
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.537	168	147319	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	235200	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	216226	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	97499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	100788	47.571	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	95.140%
35) Dibromofluoromethane	5.373	113	77178	57.554	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	115.100%
50) Toluene-d8	8.634	98	278995	47.133	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.260%
62) 4-Bromofluorobenzene	11.061	95	106149	47.938	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	95.880%
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.459	142	1358	0.200	ug/l	92
13) Acrolein	2.215	56	70	0.207	ug/l #	1
16) Acetone	2.386	43	5948	12.387	ug/l	100
17) Carbon Disulfide	2.514	76	1113	0.226	ug/l #	90
25) 2-Butanone	4.550	43	12405	16.171	ug/l	91
31) Cyclohexane	5.531	56	3341	1.141	ug/l #	28
36) 1,1-Dichloropropene	5.537	75	12198	5.417	ug/l #	51
37) Ethyl Acetate	4.550	43	12405	6.466	ug/l #	70
38) Carbon Tetrachloride	5.537	117	15602	6.001	ug/l #	16
59) 2-Hexanone	9.427	43	3122	2.722	ug/l	87
69) o-Xylene	10.628	106	1868	0.616	ug/l	99
76) 1,2,3-Trichloropropane	11.061	75	58453	41.688	ug/l #	33
79) 2-Chlorotoluene	11.378	91	1503	0.294	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.433	105	12773	2.161	ug/l	99
81) trans-1,4-Dichloro-2-b...	11.061	75	58453	144.265	ug/l #	10
82) 4-Chlorotoluene	11.433	91	1687	0.280	ug/l #	46
83) tert-Butylbenzene	11.957	119	5092	0.846	ug/l	86
84) 1,2,4-Trimethylbenzene	11.731	105	2474	0.423	ug/l	97
85) sec-Butylbenzene	11.872	105	1642	0.219	ug/l	96
86) p-Isopropyltoluene	11.994	119	3306	0.521	ug/l #	81
89) n-Butylbenzene	12.298	91	6748	1.134	ug/l #	1
90) Hexachloroethane	12.512	117	1049	0.942	ug/l #	16
92) 1,2-Dibromo-3-Chloropr...	12.902	75	87	0.243	ug/l #	1
95) Naphthalene	13.762	128	2077	0.378	ug/l #	74

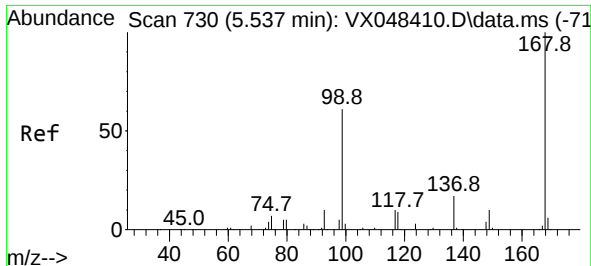
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
Data File : VX048465.D
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Sample : Q3505-04 10X
Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
MSVOA_X
ClientSampleId :

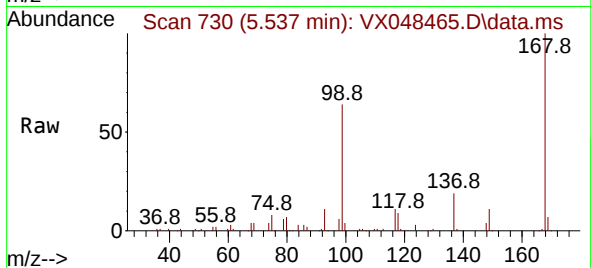
Quant Time: Nov 04 00:18:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration



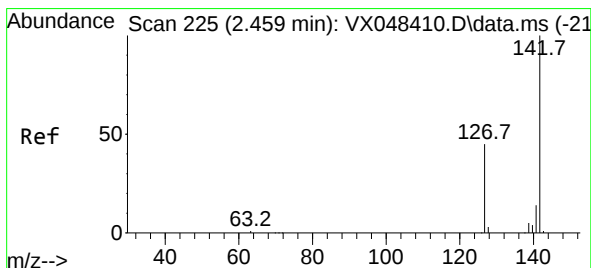
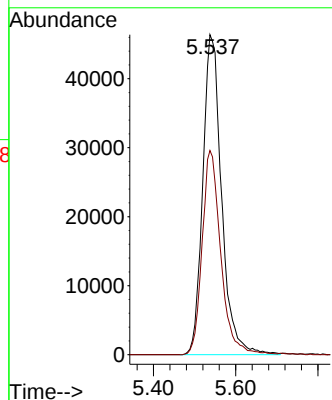
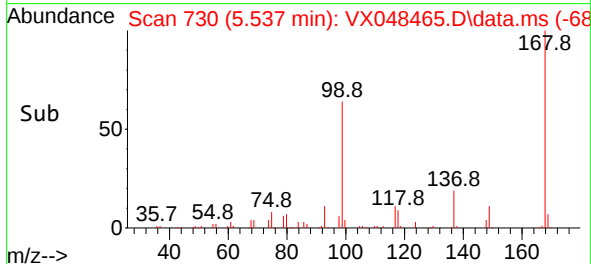


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX048465.D
Acq: 03 Nov 2025 18:05

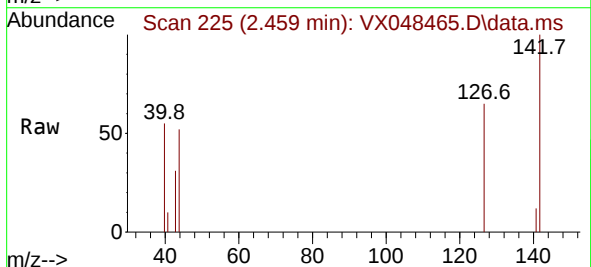
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MSVOA_X
ClientSampleId :



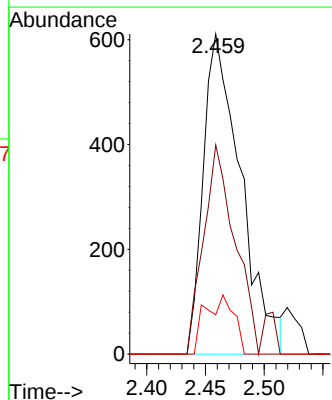
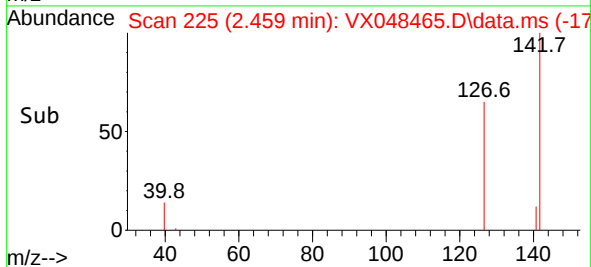
Tgt Ion:168 Resp: 147319
Ion Ratio Lower Upper
168 100
99 63.8 46.4 69.6

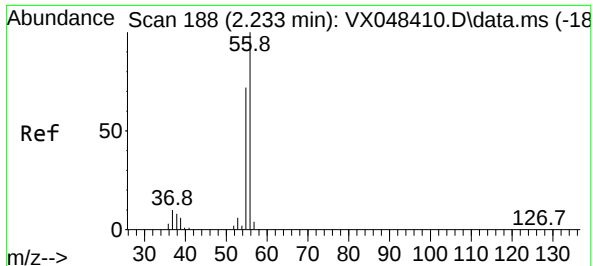


#10
Methyl Iodide
Concen: 0.200 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX048465.D
Acq: 03 Nov 2025 18:05



Tgt Ion:142 Resp: 1358
Ion Ratio Lower Upper
142 100
127 54.7 38.5 57.7
141 14.1 11.6 17.4

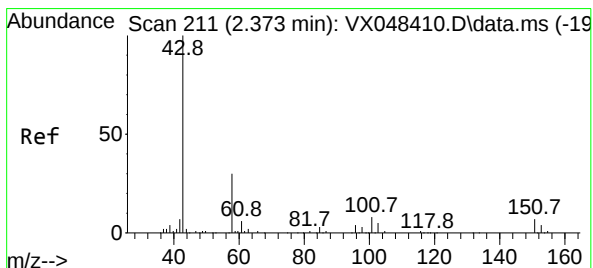
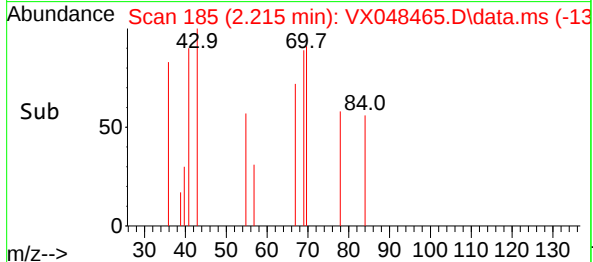
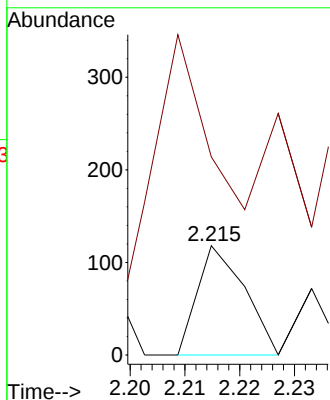
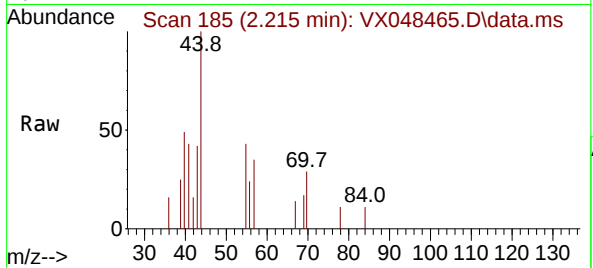




#13
Acrolein
Concen: 0.207 ug/l
RT: 2.215 min Scan# 11
Delta R.T. -0.018 min
Lab File: VX048465.D
Acq: 03 Nov 2025 18:05

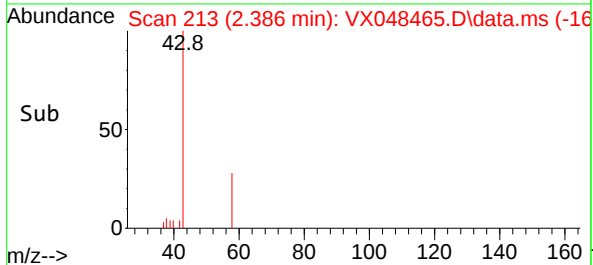
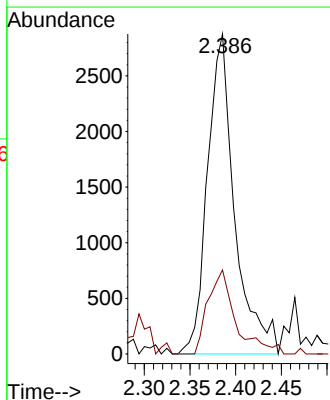
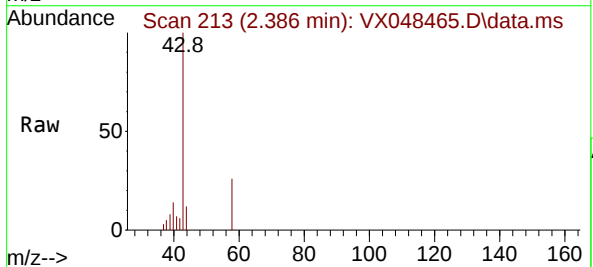
Instrument :
MSVOA_X
ClientSampleId :

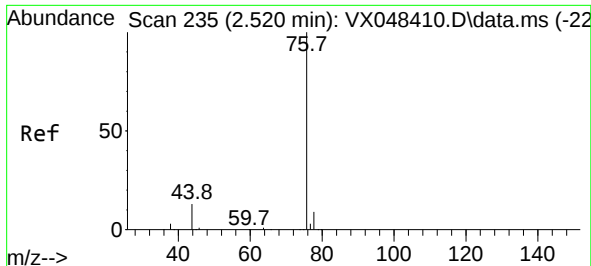
Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 461.4 56.1 84.1#



#16
Acetone
Concen: 12.387 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.012 min
Lab File: VX048465.D
Acq: 03 Nov 2025 18:05

Tgt Ion: 43 Resp: 5948
Ion Ratio Lower Upper
43 100
58 29.1 23.4 35.2





#17

Carbon Disulfide

Concen: 0.226 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.006 min

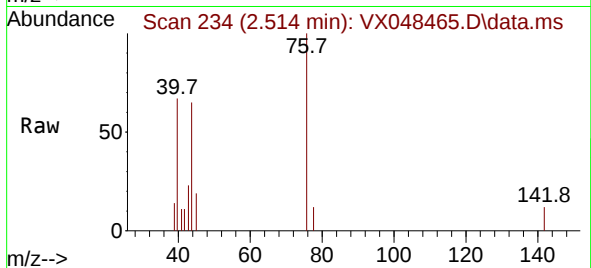
Lab File: VX048465.D

Acq: 03 Nov 2025 18:05

Instrument :

MSVOA_X

ClientSampleId :

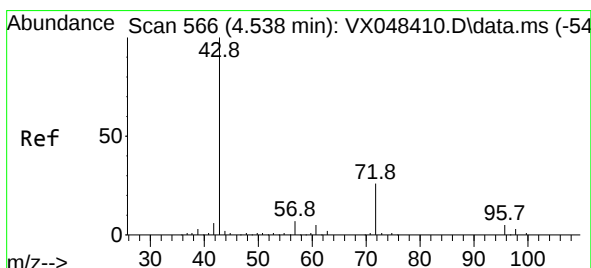
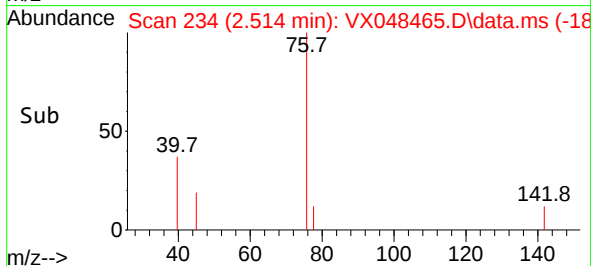
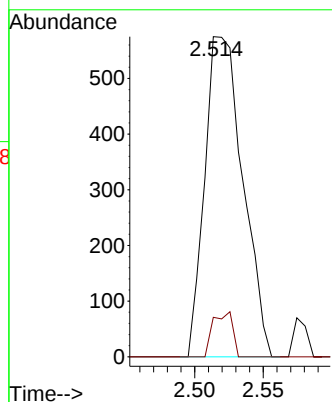


Tgt Ion: 76 Resp: 1113

Ion Ratio Lower Upper

76 100

78 12.3 7.1 10.7#



#25

2-Butanone

Concen: 16.171 ug/l

RT: 4.550 min Scan# 568

Delta R.T. 0.012 min

Lab File: VX048465.D

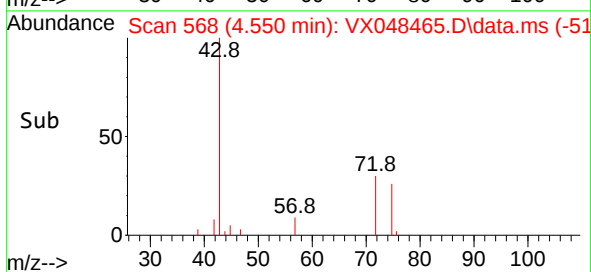
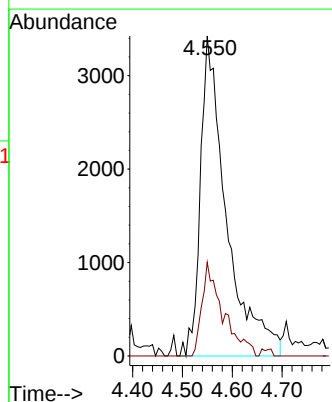
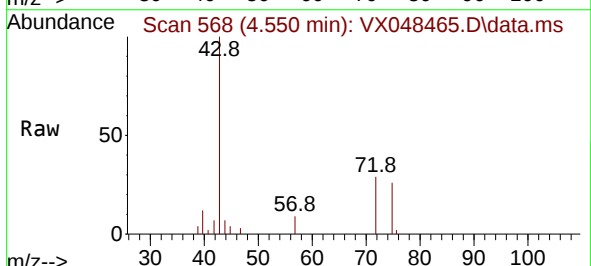
Acq: 03 Nov 2025 18:05

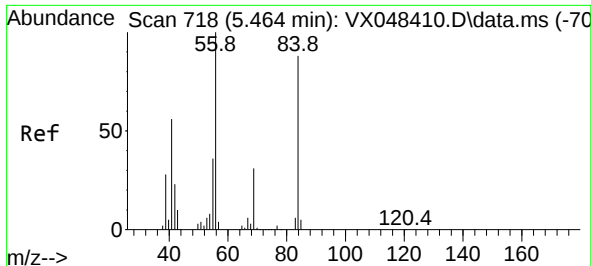
Tgt Ion: 43 Resp: 12405

Ion Ratio Lower Upper

43 100

72 29.3 19.9 29.9

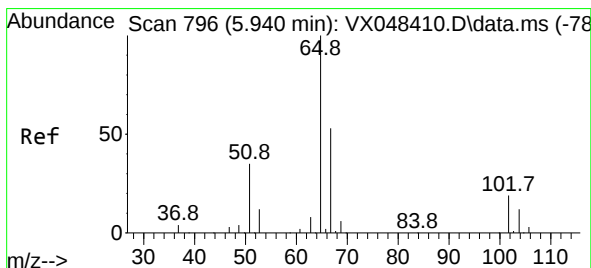
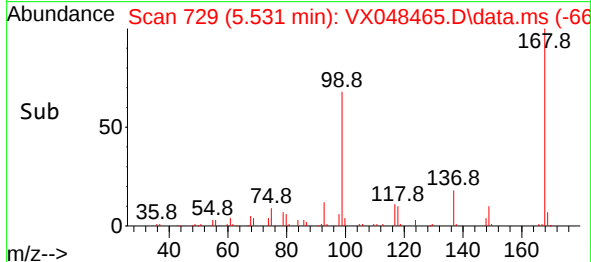
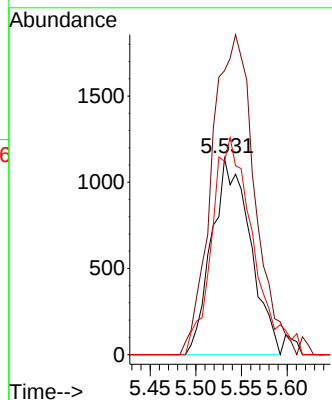
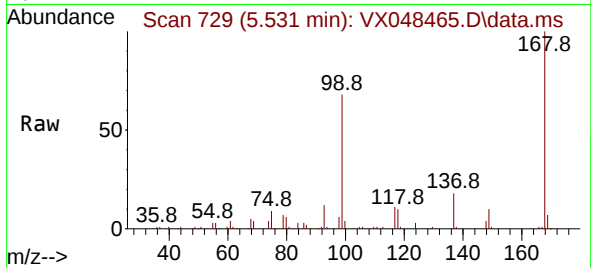




#31
Cyclohexane
Concen: 1.141 ug/l
RT: 5.531 min Scan# 718
Delta R.T. 0.067 min
Lab File: VX048465.D
Acq: 03 Nov 2025 18:05

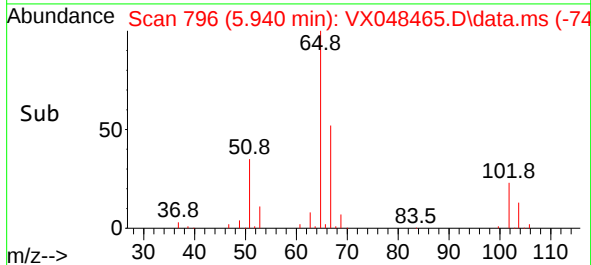
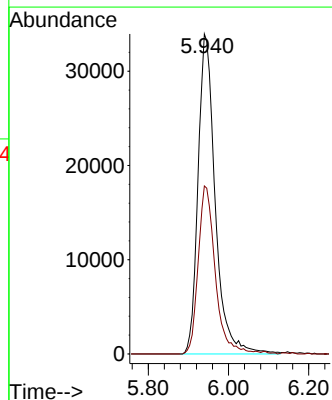
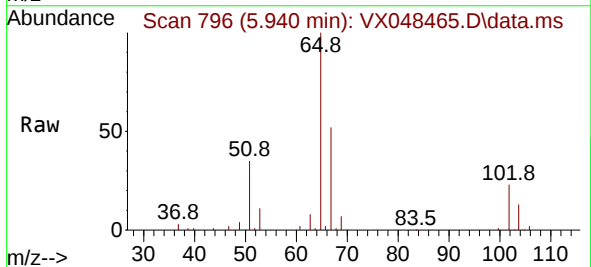
Instrument :
MSVOA_X
ClientSampleId :

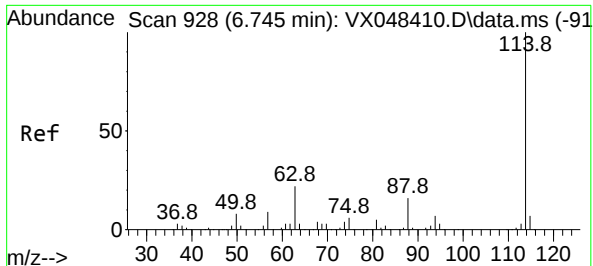
Tgt Ion: 56 Resp: 3341
Ion Ratio Lower Upper
56 100
69 144.6 23.0 34.6#
84 98.5 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 47.571 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048465.D
Acq: 03 Nov 2025 18:05

Tgt Ion: 65 Resp: 100788
Ion Ratio Lower Upper
65 100
67 52.3 0.0 105.0

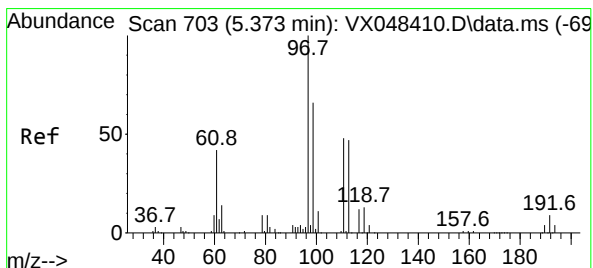
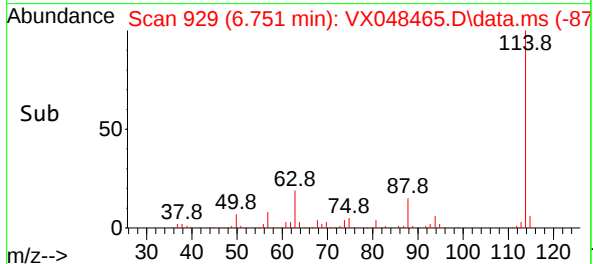
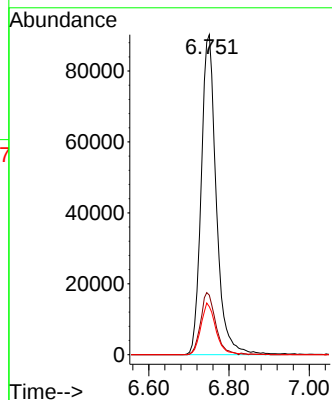
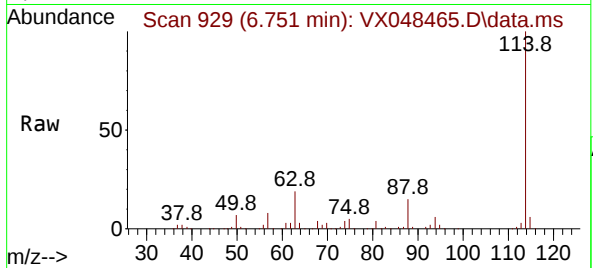




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048465.D
Acq: 03 Nov 2025 18:05

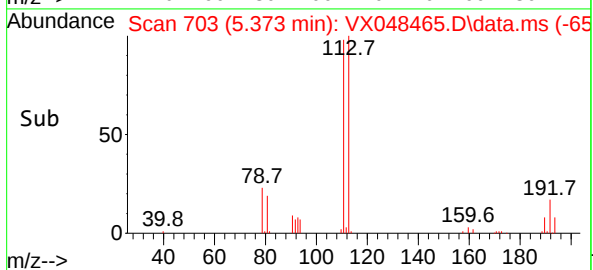
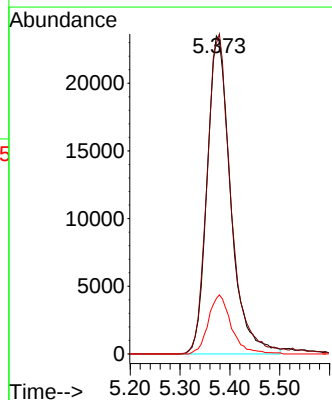
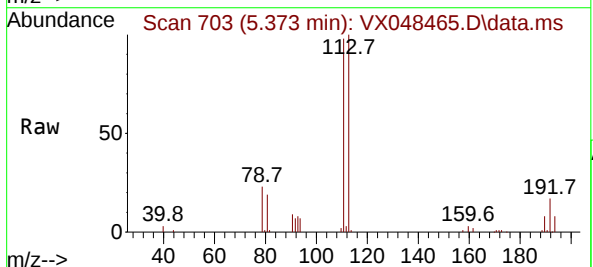
Instrument :
MSVOA_X
ClientSampleId :

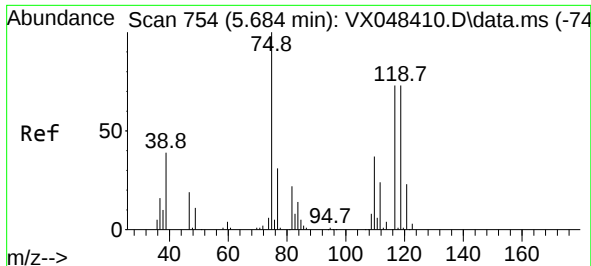
Tgt Ion:114 Resp: 235200
Ion Ratio Lower Upper
114 100
63 18.6 0.0 43.2
88 15.0 0.0 33.6



#35
Dibromofluoromethane
Concen: 57.554 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048465.D
Acq: 03 Nov 2025 18:05

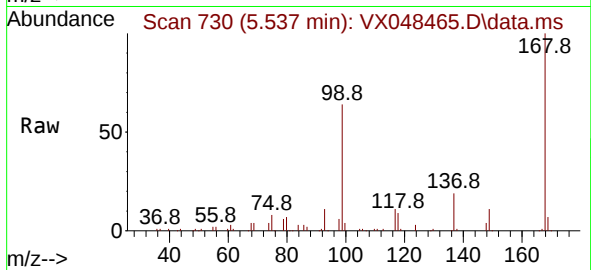
Tgt Ion:113 Resp: 77178
Ion Ratio Lower Upper
113 100
111 101.8 82.2 123.4
192 18.2 15.1 22.7



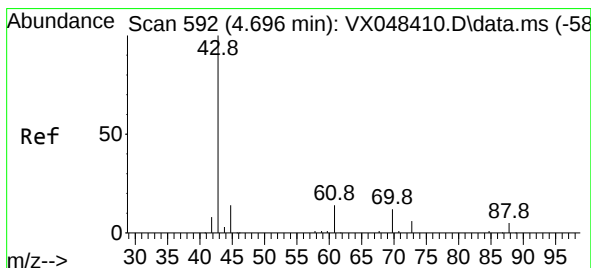
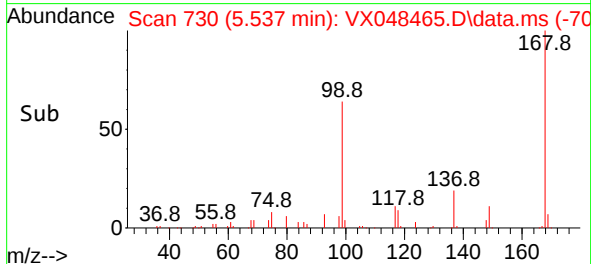
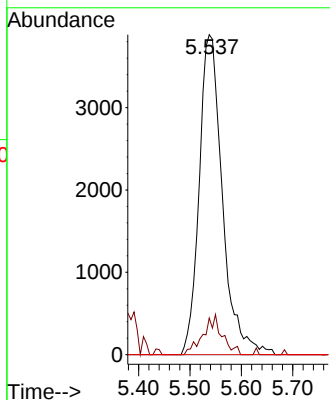


#36
1,1-Dichloropropene
Concen: 5.417 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX048465.D
Acq: 03 Nov 2025 18:05

Instrument :
MSVOA_X
ClientSampleId :

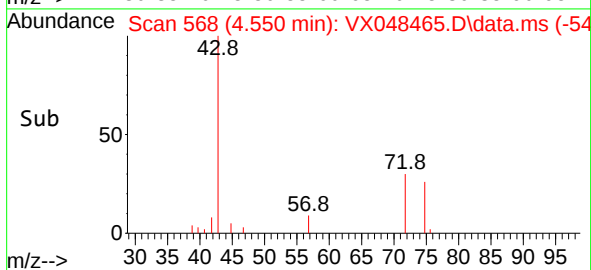
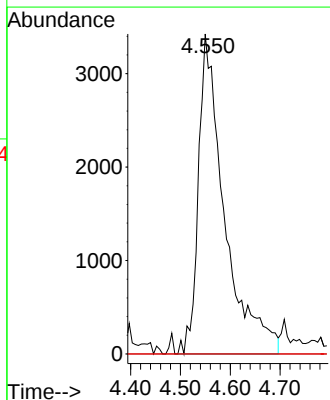
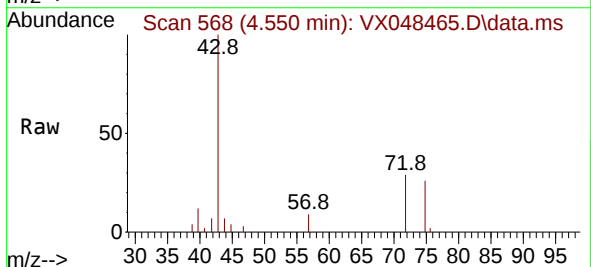


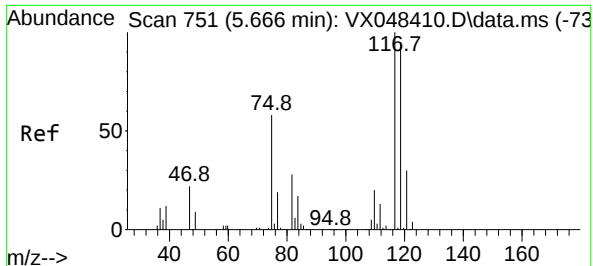
Tgt Ion: 75 Resp: 12198
Ion Ratio Lower Upper
75 100
110 10.2 17.7 53.1#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 6.466 ug/l
RT: 4.550 min Scan# 568
Delta R.T. -0.146 min
Lab File: VX048465.D
Acq: 03 Nov 2025 18:05

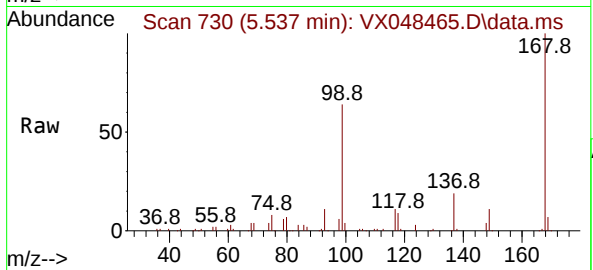
Tgt Ion: 43 Resp: 12405
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.8 11.6#



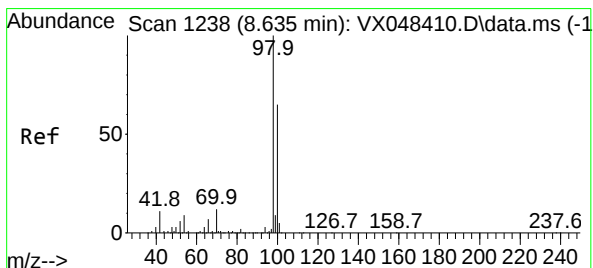
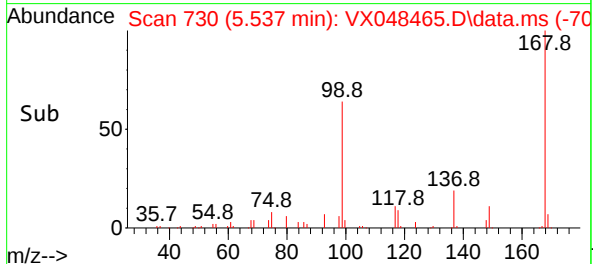
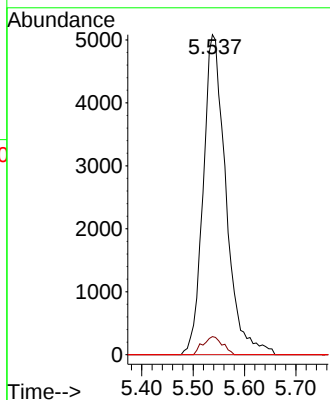


#38
Carbon Tetrachloride
Concen: 6.001 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048465.D
Acq: 03 Nov 2025 18:05

Instrument :
MSVOA_X
ClientSampleId :

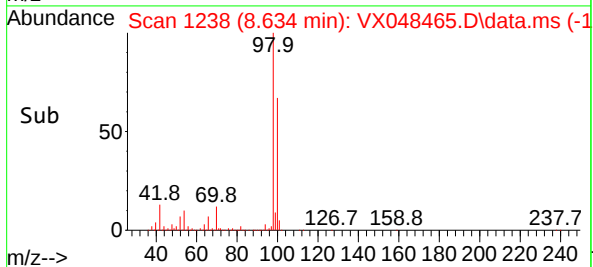
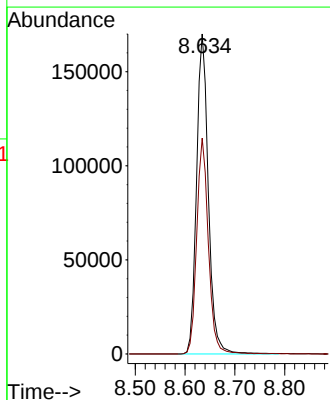
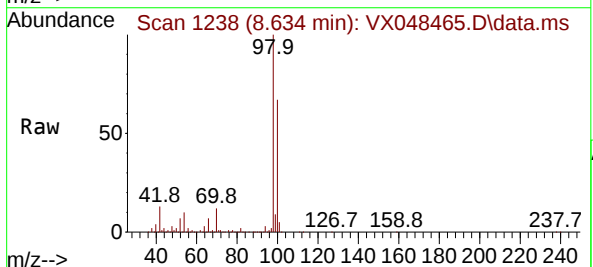


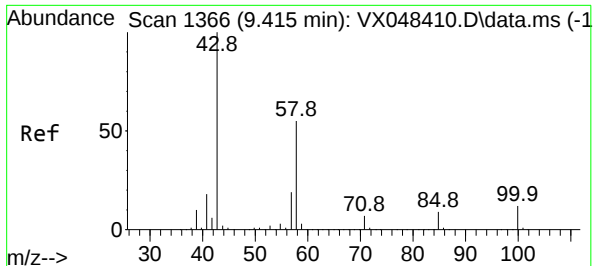
Tgt Ion:117 Resp: 15602
Ion Ratio Lower Upper
117 100
119 5.6 77.2 115.8#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 47.133 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048465.D
Acq: 03 Nov 2025 18:05

Tgt Ion: 98 Resp: 278995
Ion Ratio Lower Upper
98 100
100 66.8 53.0 79.4





#59

2-Hexanone

Concen: 2.722 ug/l

RT: 9.427 min Scan# 1

Delta R.T. 0.012 min

Lab File: VX048465.D

Acq: 03 Nov 2025 18:05

Instrument :

MSVOA_X

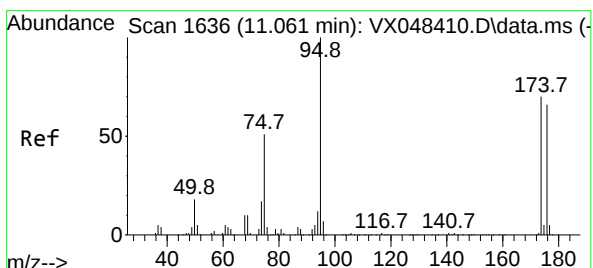
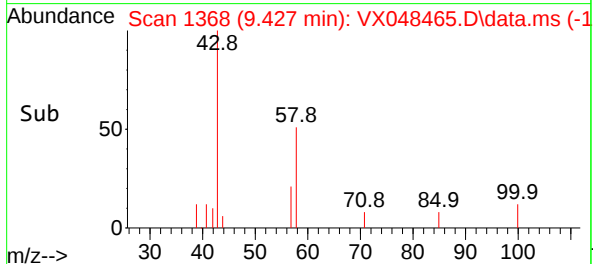
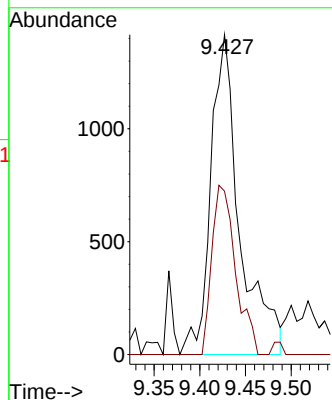
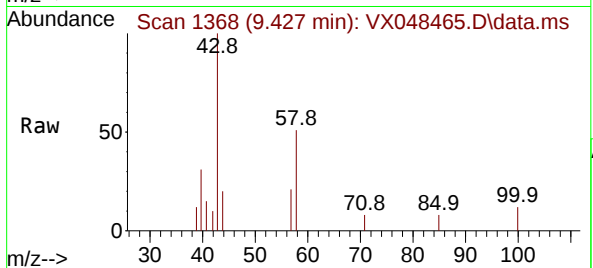
ClientSampleId :

Tgt Ion: 43 Resp: 3122

Ion Ratio Lower Upper

43 100

58 43.3 26.3 78.8



#62

4-Bromofluorobenzene

Concen: 47.938 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.000 min

Lab File: VX048465.D

Acq: 03 Nov 2025 18:05

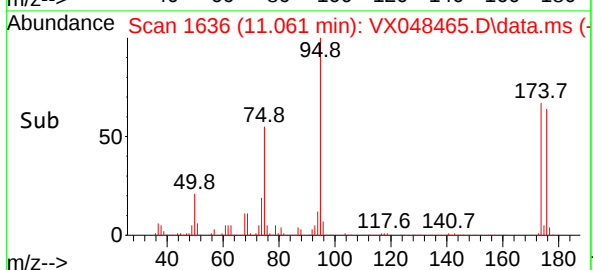
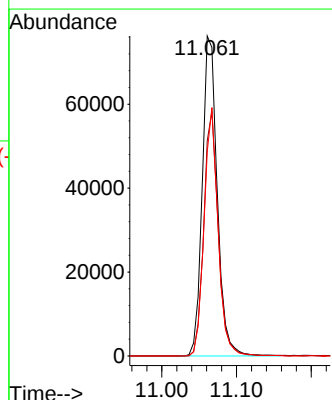
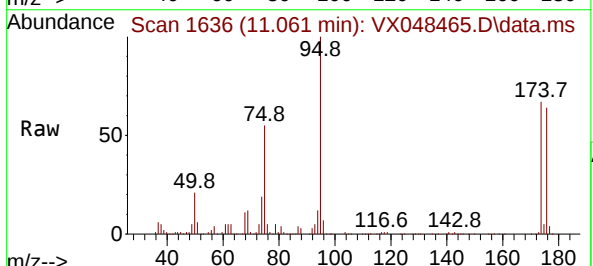
Tgt Ion: 95 Resp: 106149

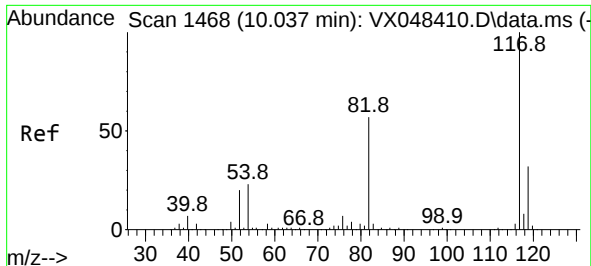
Ion Ratio Lower Upper

95 100

174 73.6 0.0 147.8

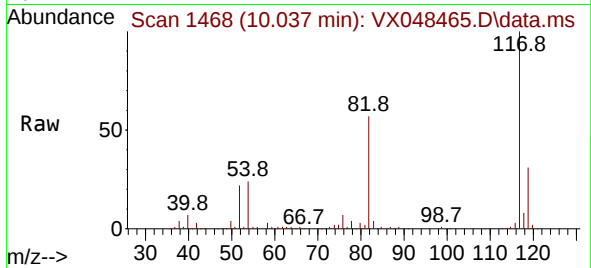
176 72.3 0.0 142.8



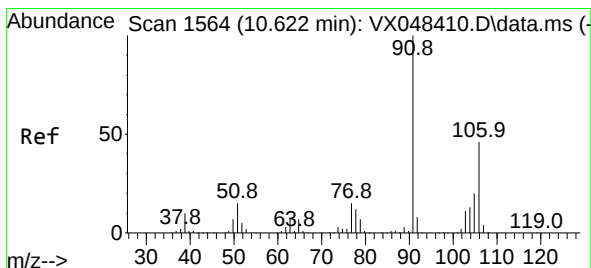
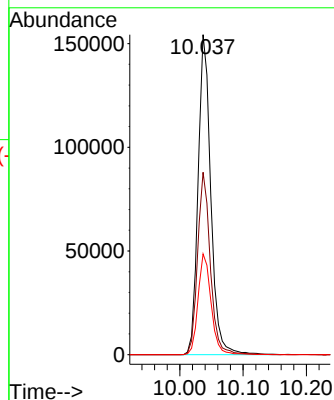
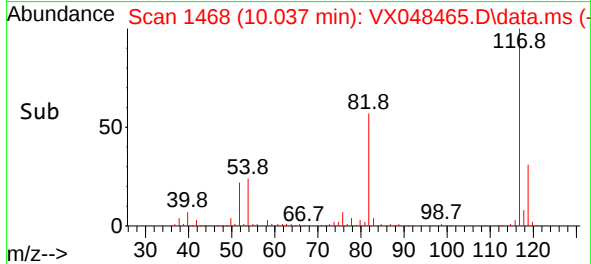


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX048465.D
Acq: 03 Nov 2025 18:05

Instrument :
MSVOA_X
ClientSampleId :

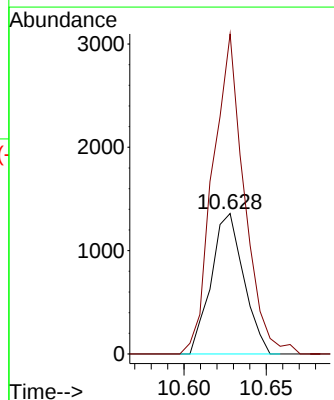
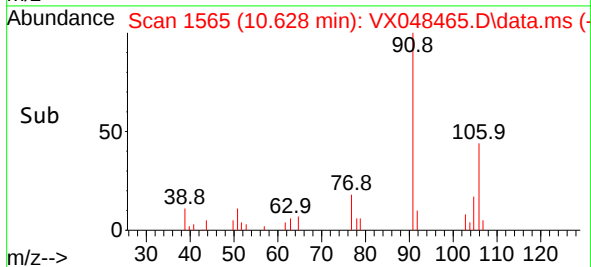
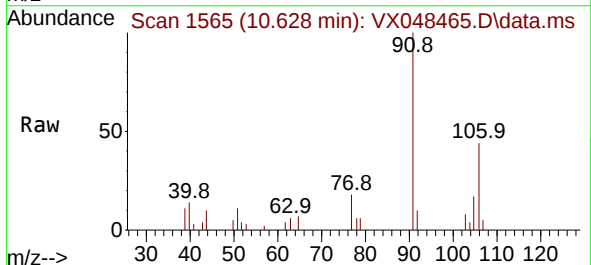


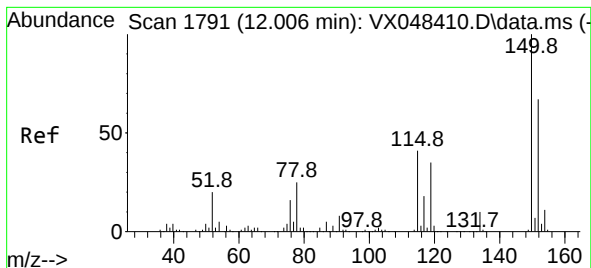
Tgt Ion:117 Resp: 216226
Ion Ratio Lower Upper
117 100
82 57.0 46.5 69.7
119 31.5 25.9 38.9



#69
o-Xylene
Concen: 0.616 ug/l
RT: 10.628 min Scan# 1565
Delta R.T. 0.006 min
Lab File: VX048465.D
Acq: 03 Nov 2025 18:05

Tgt Ion:106 Resp: 1868
Ion Ratio Lower Upper
106 100
91 220.4 111.3 333.9

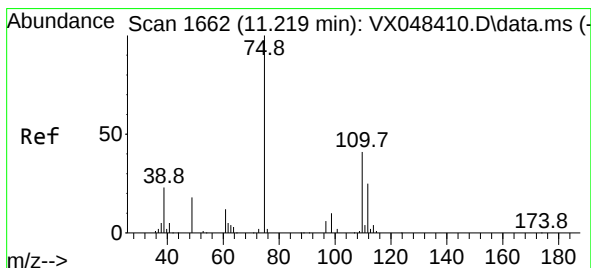
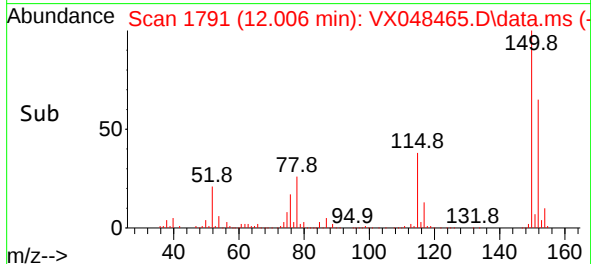
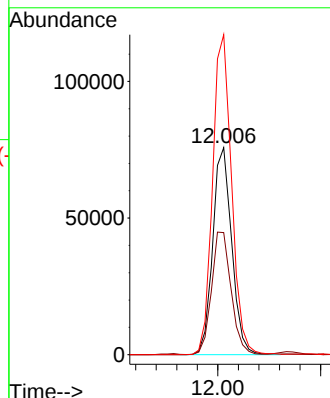
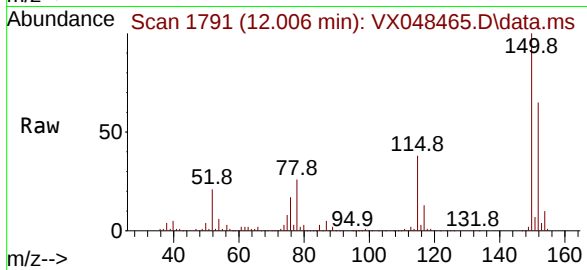




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048465.D
 Acq: 03 Nov 2025 18:05

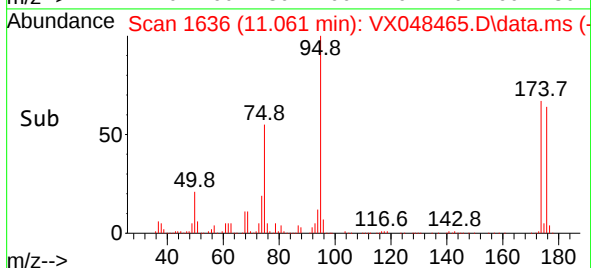
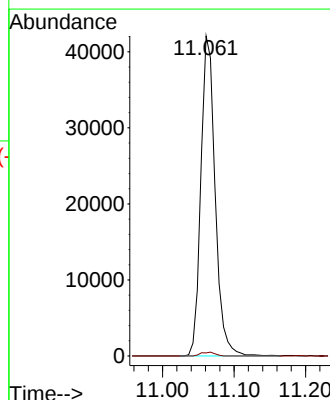
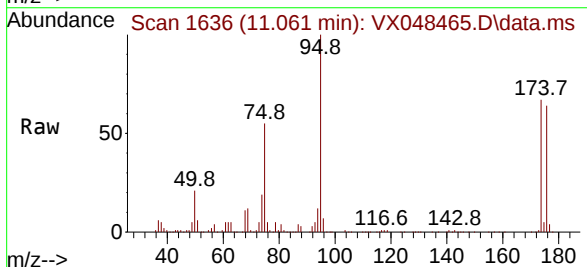
Instrument :
 MSVOA_X
 ClientSampleId :

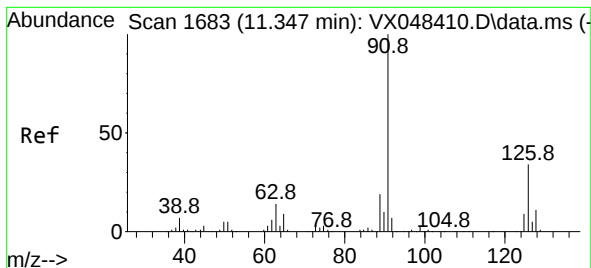
Tgt Ion:152 Resp: 97499
 Ion Ratio Lower Upper
 152 100
 115 60.9 43.1 129.4
 150 154.2 0.0 353.0



#76
 1,2,3-Trichloropropane
 Concen: 41.688 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048465.D
 Acq: 03 Nov 2025 18:05

Tgt Ion: 75 Resp: 58453
 Ion Ratio Lower Upper
 75 100
 77 1.2 22.4 67.2#





#79

2-Chlorotoluene

Concen: 0.294 ug/l

RT: 11.378 min Scan# 1688

Delta R.T. 0.030 min

Lab File: VX048465.D

Acq: 03 Nov 2025 18:05

Instrument :

MSVOA_X

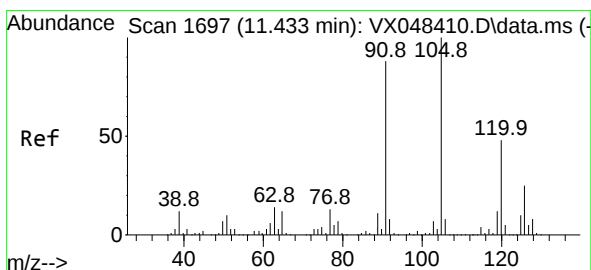
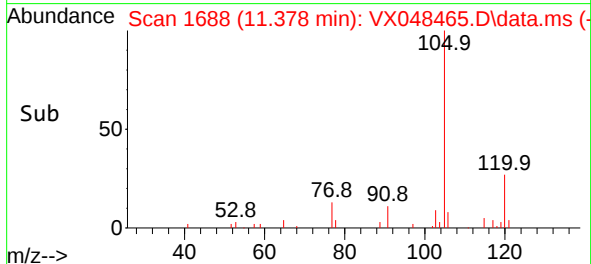
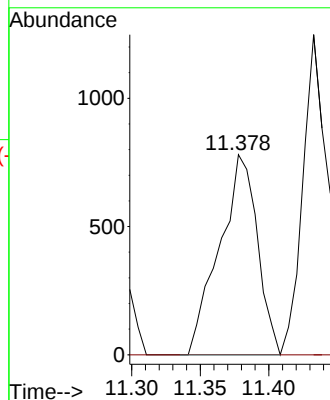
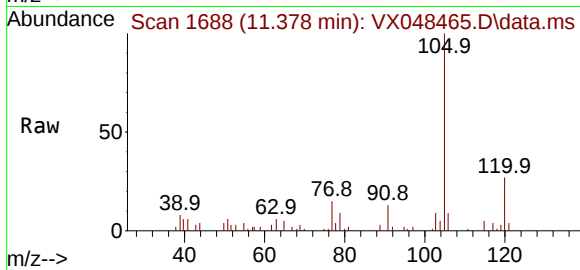
ClientSampleId :

Tgt Ion: 91 Resp: 1503

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.4#



#80

1,3,5-Trimethylbenzene

Concen: 2.161 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. -0.000 min

Lab File: VX048465.D

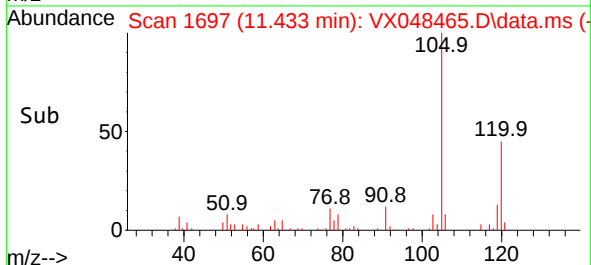
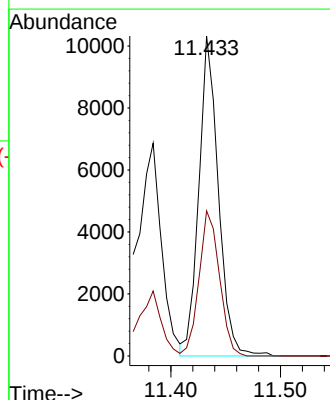
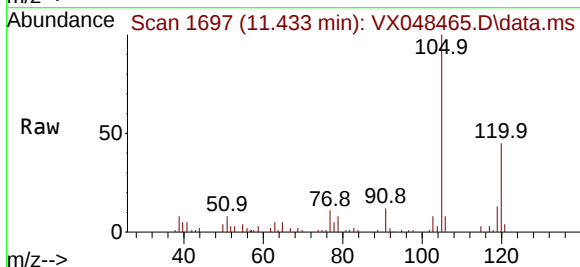
Acq: 03 Nov 2025 18:05

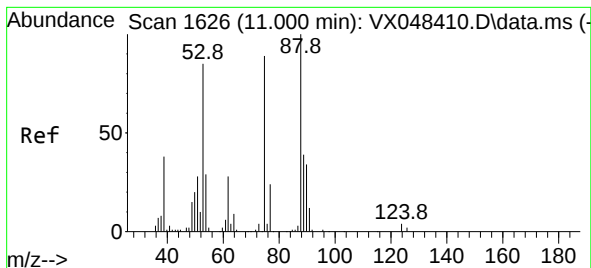
Tgt Ion:105 Resp: 12773

Ion Ratio Lower Upper

105 100

120 47.5 24.0 72.0

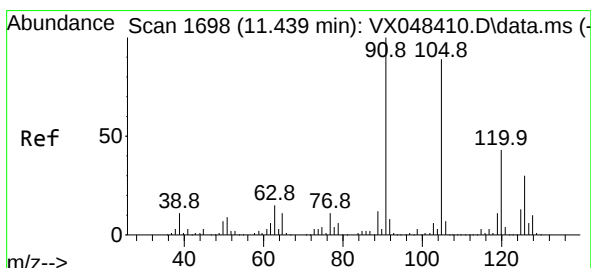
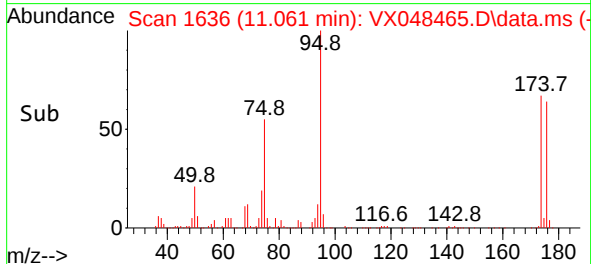
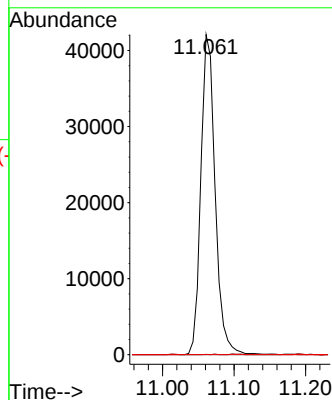
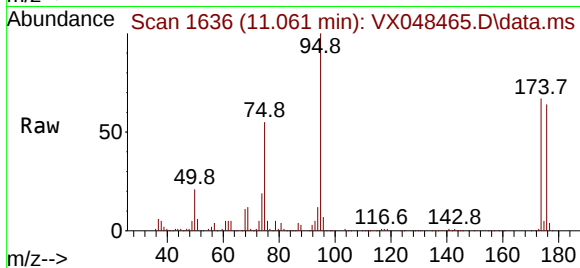




#81
trans-1,4-Dichloro-2-butene
Concen: 144.265 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048465.D
Acq: 03 Nov 2025 18:05

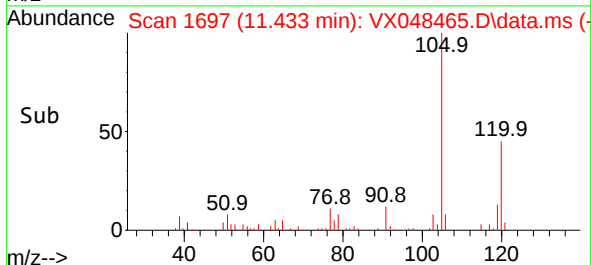
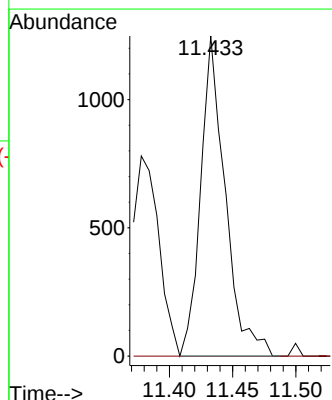
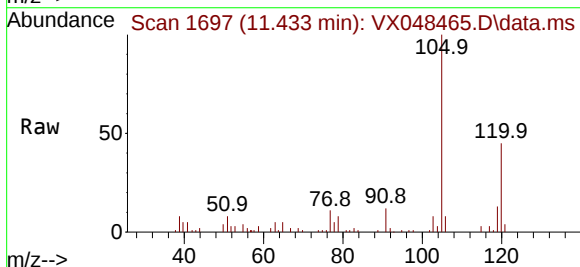
Instrument :
MSVOA_X
ClientSampleId :

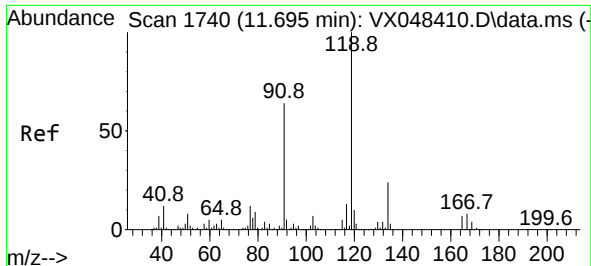
Tgt Ion: 75 Resp: 58453
Ion Ratio Lower Upper
75 100
53 0.1 79.5 119.3#
89 0.0 36.8 55.2#



#82
4-Chlorotoluene
Concen: 0.280 ug/l
RT: 11.433 min Scan# 1697
Delta R.T. -0.006 min
Lab File: VX048465.D
Acq: 03 Nov 2025 18:05

Tgt Ion: 91 Resp: 1687
Ion Ratio Lower Upper
91 100
126 0.0 14.1 42.4#

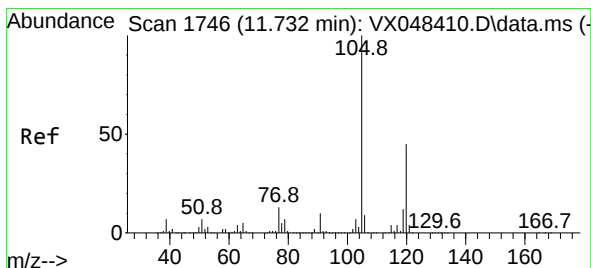
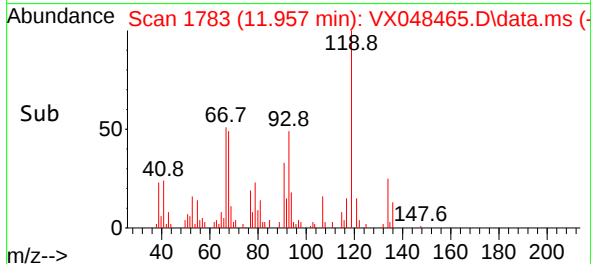
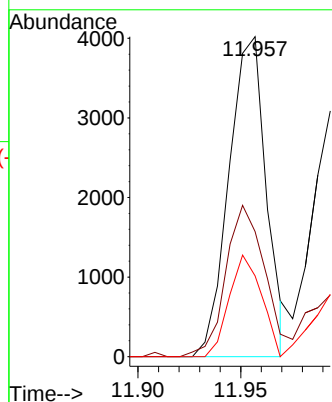
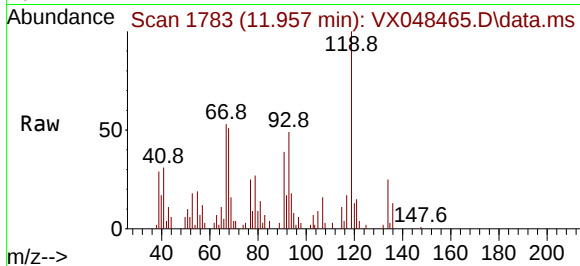




#83
tert-Butylbenzene
Concen: 0.846 ug/l
RT: 11.957 min Scan# 119
Delta R.T. 0.262 min
Lab File: VX048465.D
Acq: 03 Nov 2025 18:05

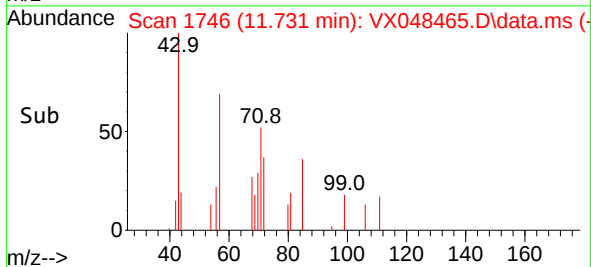
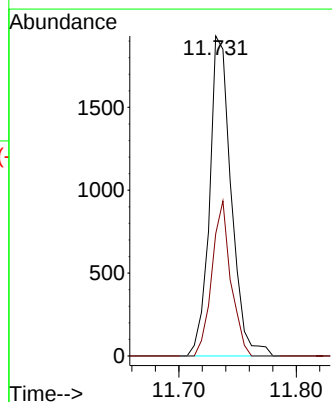
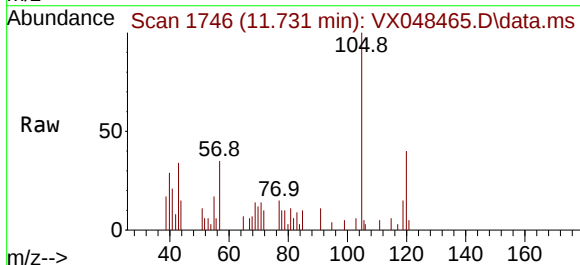
Instrument :
MSVOA_X
ClientSampleId :

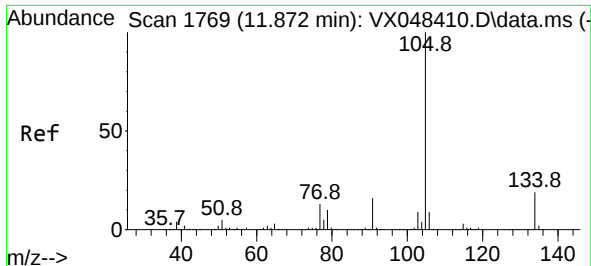
Tgt Ion:119 Resp: 5092
Ion Ratio Lower Upper
119 100
91 48.6 30.3 91.0
134 27.5 11.4 34.2



#84
1,2,4-Trimethylbenzene
Concen: 0.423 ug/l
RT: 11.731 min Scan# 1746
Delta R.T. -0.000 min
Lab File: VX048465.D
Acq: 03 Nov 2025 18:05

Tgt Ion:105 Resp: 2474
Ion Ratio Lower Upper
105 100
120 42.2 22.1 66.5

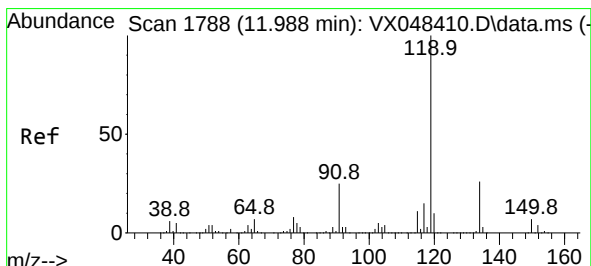
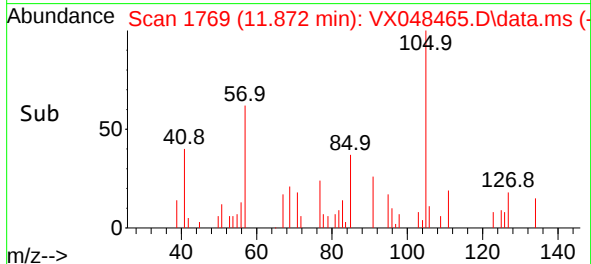
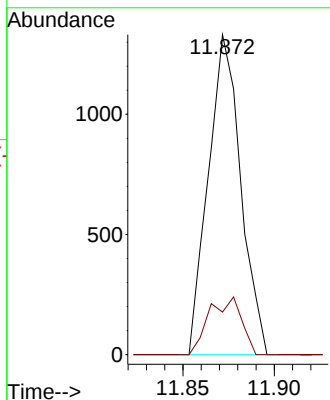
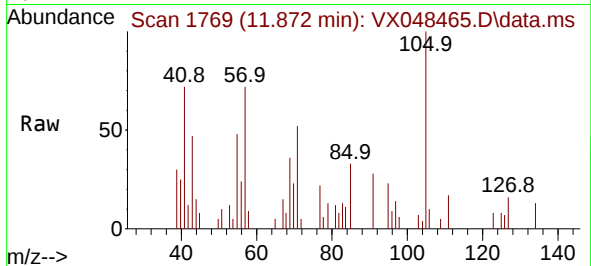




#85
 sec-Butylbenzene
 Concen: 0.219 ug/l
 RT: 11.872 min Scan# 1769
 Delta R.T. -0.000 min
 Lab File: VX048465.D
 Acq: 03 Nov 2025 18:05

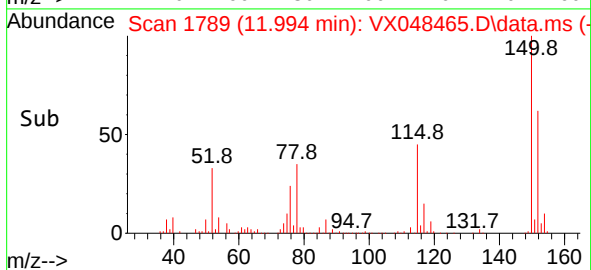
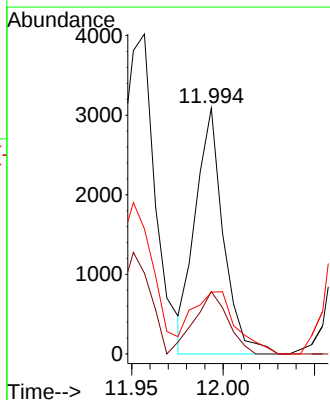
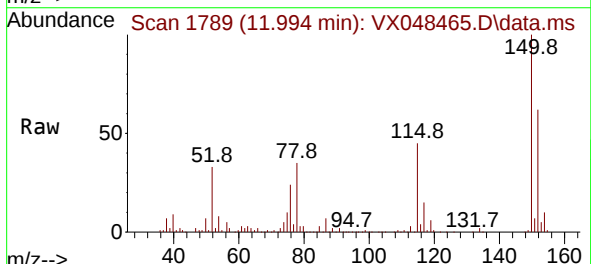
Instrument :
 MSVOA_X
 ClientSampleId :

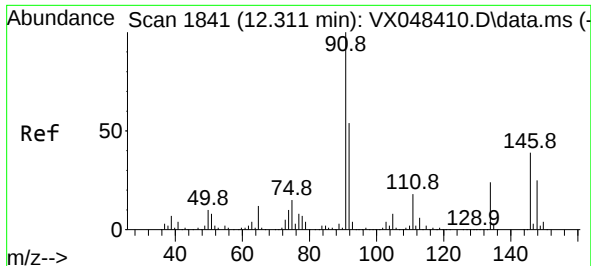
Tgt Ion:105 Resp: 1642
 Ion Ratio Lower Upper
 105 100
 134 18.1 10.1 30.1



#86
 p-Isopropyltoluene
 Concen: 0.521 ug/l
 RT: 11.994 min Scan# 1789
 Delta R.T. 0.006 min
 Lab File: VX048465.D
 Acq: 03 Nov 2025 18:05

Tgt Ion:119 Resp: 3306
 Ion Ratio Lower Upper
 119 100
 134 30.4 13.0 39.0
 91 39.2 12.1 36.3#





#89

n-Butylbenzene

Concen: 1.134 ug/l

RT: 12.298 min Scan# 11

Delta R.T. -0.012 min

Lab File: VX048465.D

Acq: 03 Nov 2025 18:05

Instrument :

MSVOA_X

ClientSampleId :

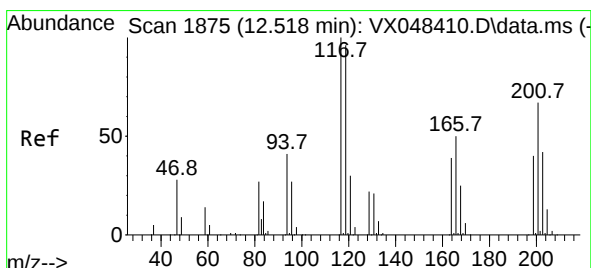
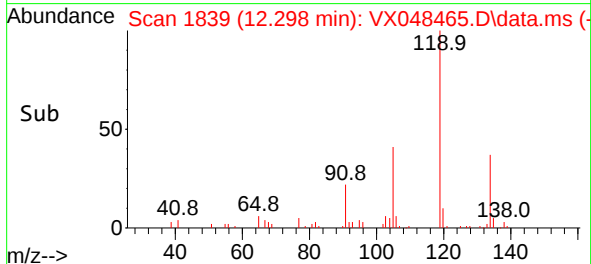
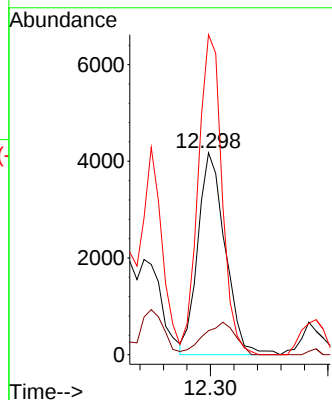
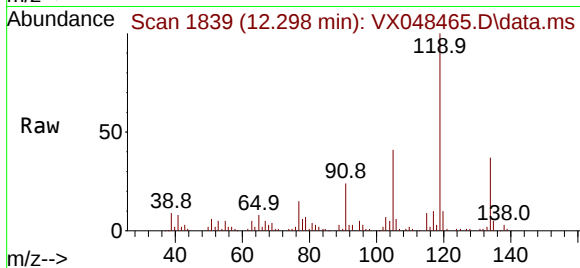
Tgt Ion: 91 Resp: 6748

Ion Ratio Lower Upper

91 100

92 18.7 26.9 80.6#

134 137.8 12.7 38.1#



#90

Hexachloroethane

Concen: 0.942 ug/l

RT: 12.512 min Scan# 1874

Delta R.T. -0.006 min

Lab File: VX048465.D

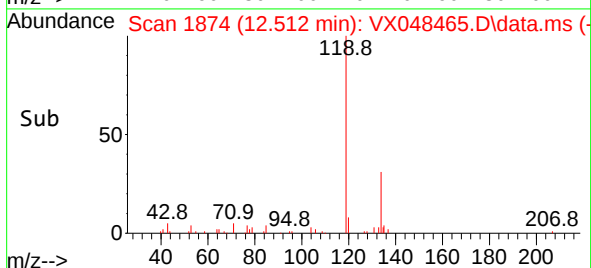
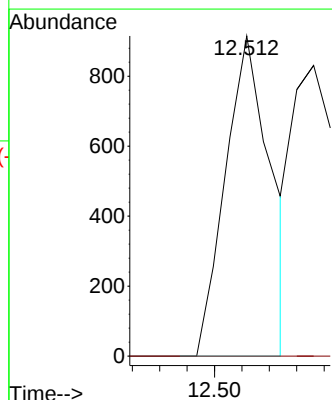
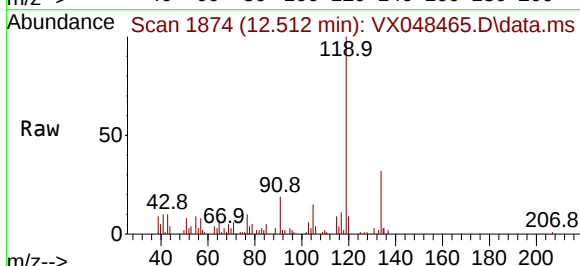
Acq: 03 Nov 2025 18:05

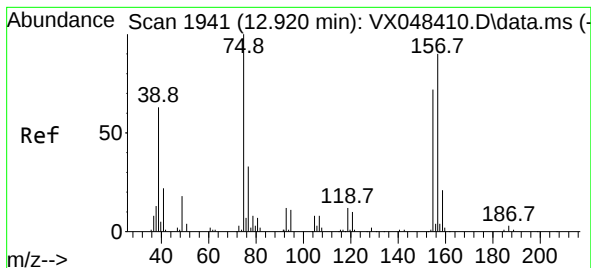
Tgt Ion:117 Resp: 1049

Ion Ratio Lower Upper

117 100

201 0.0 34.1 102.2#

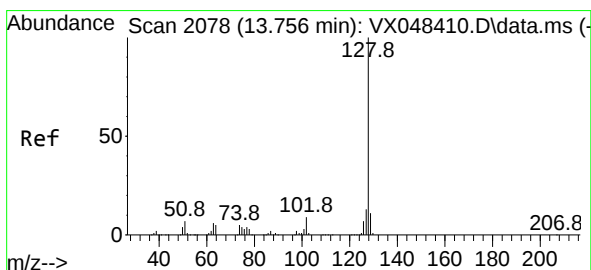
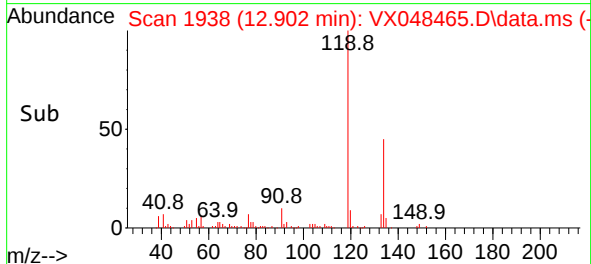
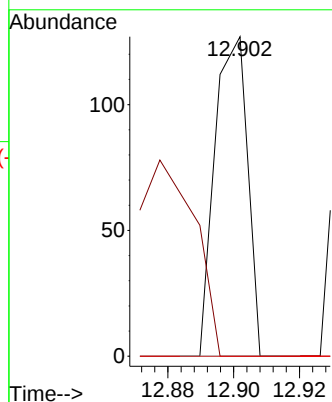
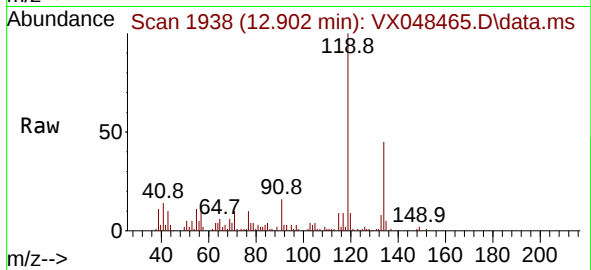




#92
1,2-Dibromo-3-Chloropropane
Concen: 0.243 ug/l
RT: 12.902 min Scan# 1941
Delta R.T. -0.018 min
Lab File: VX048465.D
Acq: 03 Nov 2025 18:05

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 87
Ion Ratio Lower Upper
75 100
155 0.0 42.8 128.4#
157 0.0 54.2 162.6#



#95
Naphthalene
Concen: 0.378 ug/l
RT: 13.762 min Scan# 2079
Delta R.T. 0.006 min
Lab File: VX048465.D
Acq: 03 Nov 2025 18:05

Tgt Ion: 128 Resp: 2077
Ion Ratio Lower Upper
128 100
127 15.2 10.2 15.4
129 29.8 8.6 12.8#

