

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
 Data File : VX048464.D
 Acq On : 03 Nov 2025 17:44
 Operator : JC/MD
 Sample : Q3500-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 04 00:17:43 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)

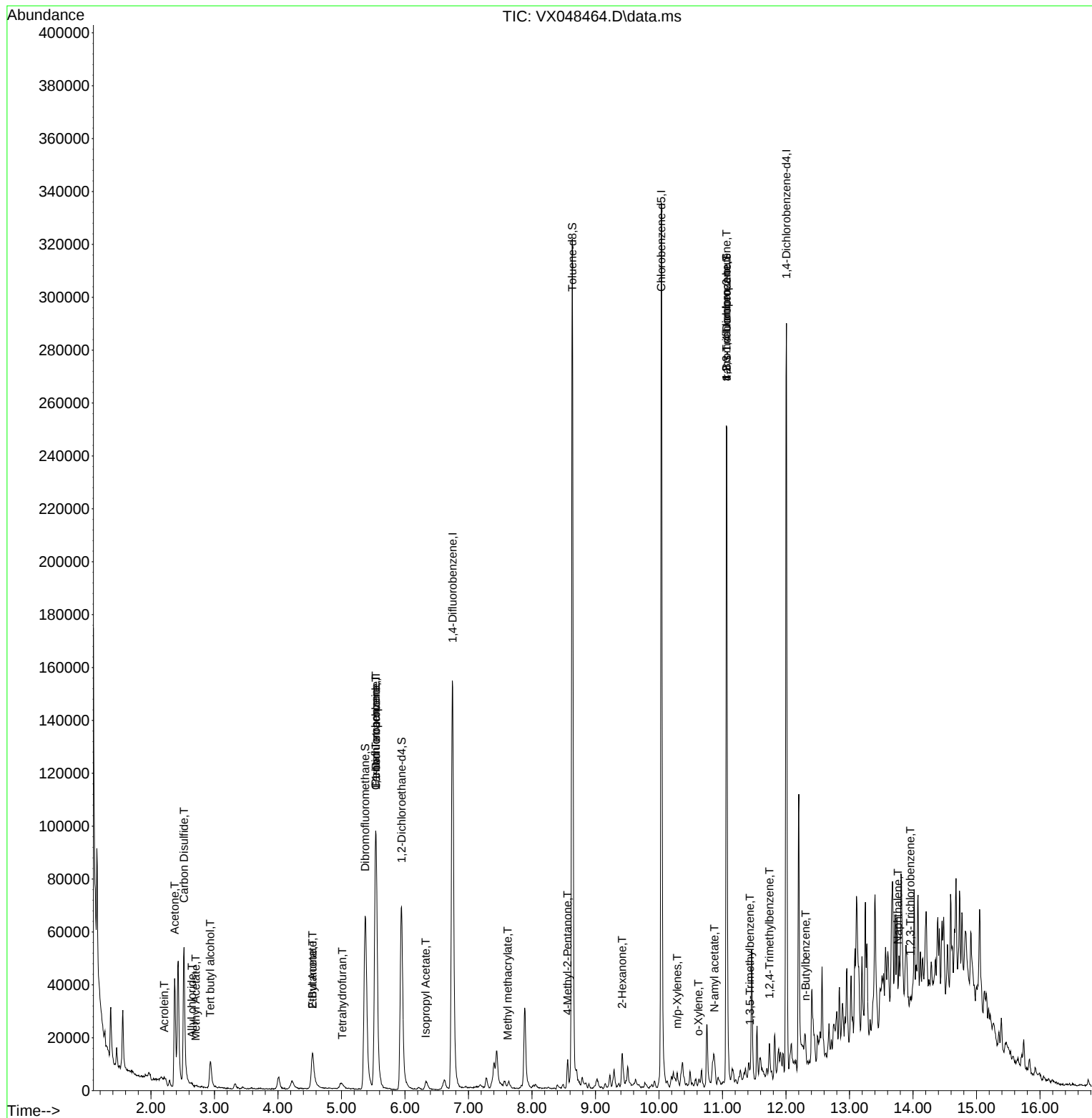
Internal Standards						
1) Pentafluorobenzene	5.538	168	107271	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	180604	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	151476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	59323	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	76349	49.490	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.980%		
35) Dibromofluoromethane	5.373	113	66078	64.173	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	128.340%#		
50) Toluene-d8	8.635	98	196298	43.187	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	86.380%#		
62) 4-Bromofluorobenzene	11.061	95	71706	42.172	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	84.340%		
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.934	59	13500	114.219	ug/l	96
13) Acrolein	2.209	56	182	0.738	ug/l #	1
14) Allyl chloride	2.642	41	935	0.442	ug/l #	40
16) Acetone	2.374	43	54392	155.562	ug/l	99
17) Carbon Disulfide	2.520	76	54834	15.317	ug/l	100
18) Methyl Acetate	2.703	43	991	0.847	ug/l #	59
25) 2-Butanone	4.544	43	21542	38.566	ug/l #	89
29) Tetrahydrofuran	5.013	42	803	2.019	ug/l #	73
36) 1,1-Dichloropropene	5.544	75	7831	4.529	ug/l #	50
37) Ethyl Acetate	4.544	43	21542	14.623	ug/l #	70
38) Carbon Tetrachloride	5.544	117	10543	5.281	ug/l #	17
43) Isopropyl Acetate	6.324	43	1408	0.579	ug/l #	63
48) Methyl methacrylate	7.617	41	642	0.541	ug/l #	15
51) 4-Methyl-2-Pentanone	8.562	43	7449	5.503	ug/l	98
59) 2-Hexanone	9.421	43	7790	8.844	ug/l	97
68) m/p-Xylenes	10.287	106	898	0.404	ug/l	99
69) o-Xylene	10.622	106	526	0.247	ug/l	68
74) N-amyl acetate	10.872	43	5228	3.340	ug/l #	46
76) 1,2,3-Trichloropropane	11.061	75	38327	44.925	ug/l #	34
80) 1,3,5-Trimethylbenzene	11.433	105	1356	0.377	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.061	75	38327	155.466	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.738	105	2953	0.829	ug/l	94
89) n-Butylbenzene	12.311	91	1557	0.430	ug/l #	47
95) Naphthalene	13.762	128	1848	0.553	ug/l #	61
96) 1,2,3-Trichlorobenzene	13.957	180	807	0.671	ug/l #	6

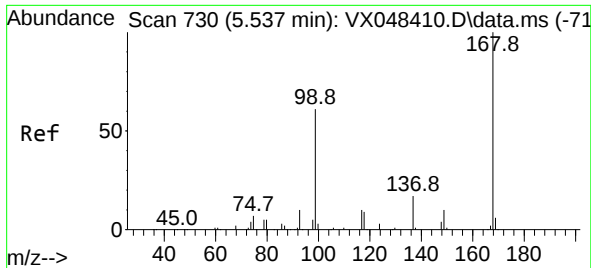
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
Data File : VX048464.D
Acq On : 03 Nov 2025 17:44
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Misc : 5.0mL/MSVOA_X/WATER
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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Nov 04 00:17:43 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

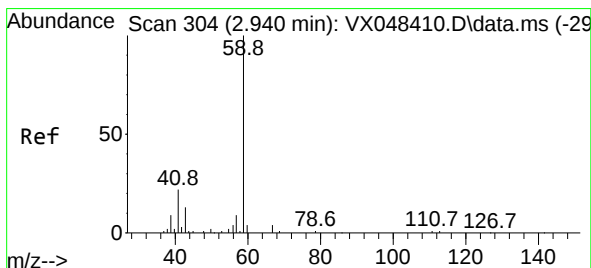
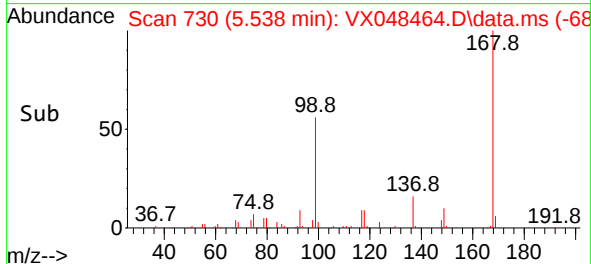
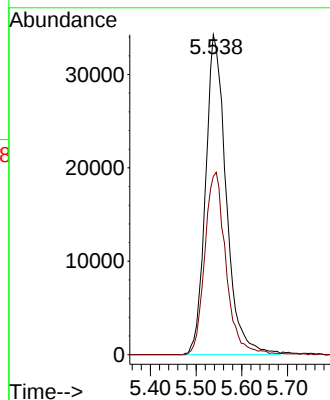
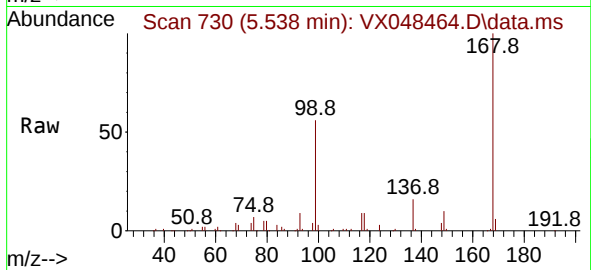




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

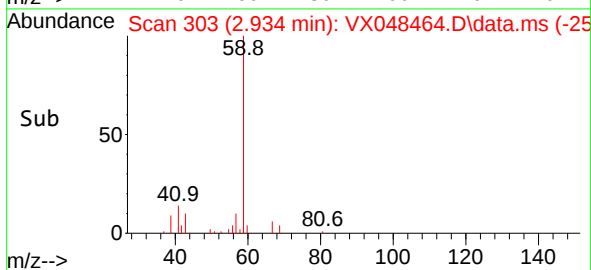
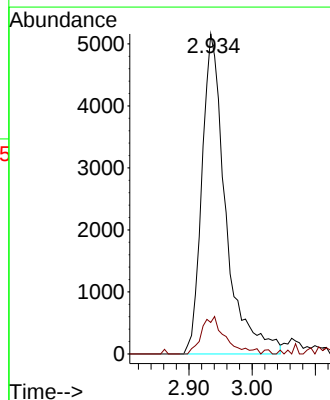
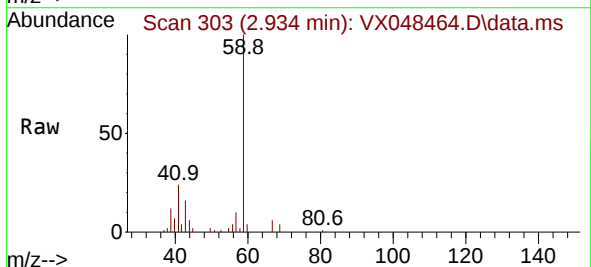
Instrument :
MSVOA_X
ClientSampleId :

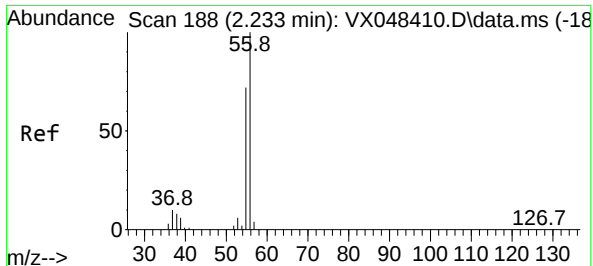
Tgt Ion:168 Resp: 107271
Ion Ratio Lower Upper
168 100
99 55.7 46.4 69.6



#11
Tert butyl alcohol
Concen: 114.219 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.006 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

Tgt Ion: 59 Resp: 13500
Ion Ratio Lower Upper
59 100
57 11.7 8.2 12.4

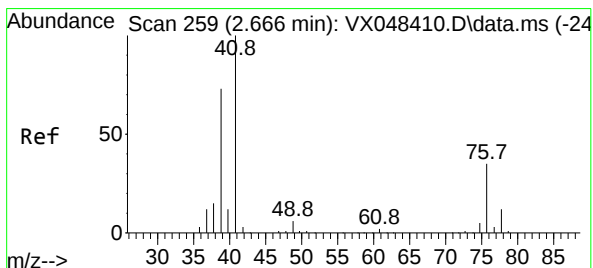
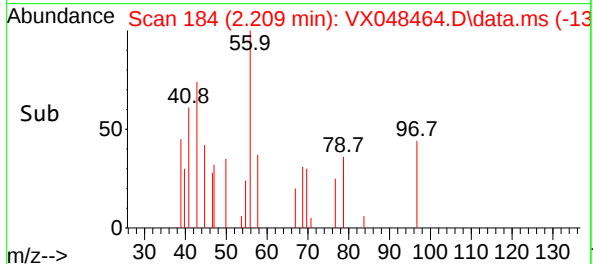
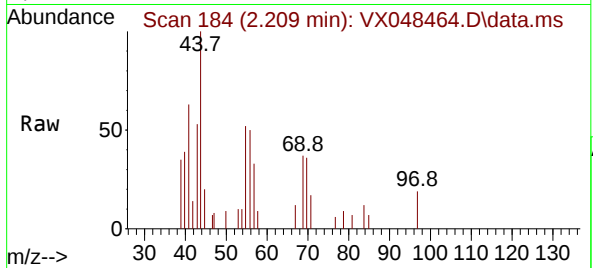




#13
Acrolein
Concen: 0.738 ug/l
RT: 2.209 min Scan# 11
Delta R.T. -0.024 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

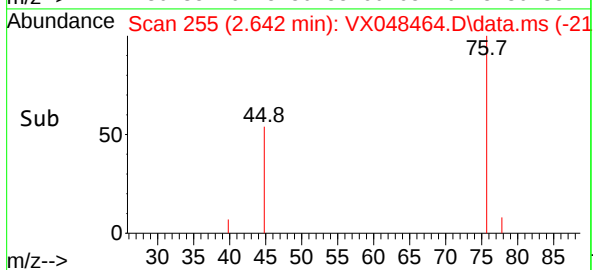
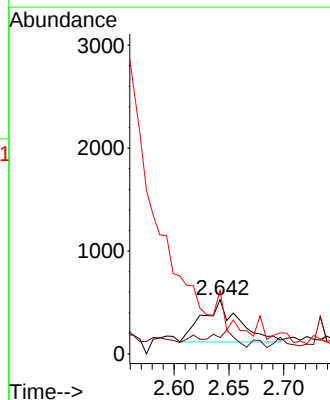
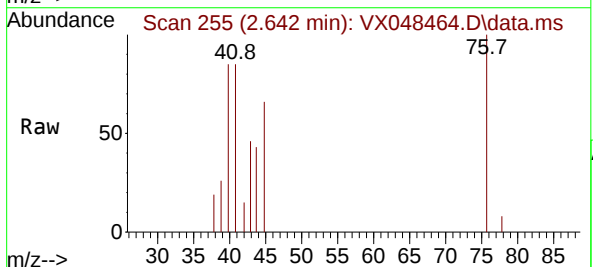
Instrument :
MSVOA_X
ClientSampled :

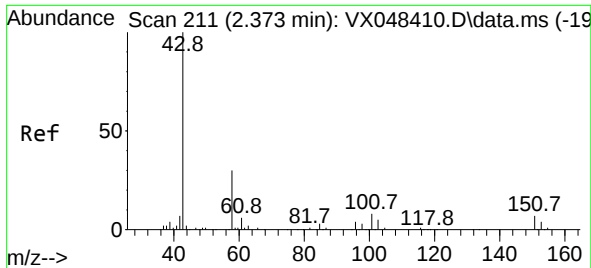
Tgt Ion: 56 Resp: 182
Ion Ratio Lower Upper
56 100
55 760.4 56.1 84.1#



#14
Allyl chloride
Concen: 0.442 ug/l
RT: 2.642 min Scan# 255
Delta R.T. -0.024 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

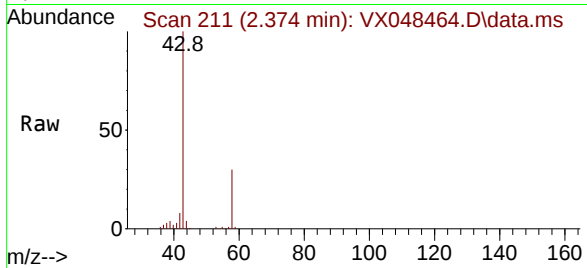
Tgt Ion: 41 Resp: 935
Ion Ratio Lower Upper
41 100
39 20.4 56.0 84.0#
76 0.0 27.5 41.3#



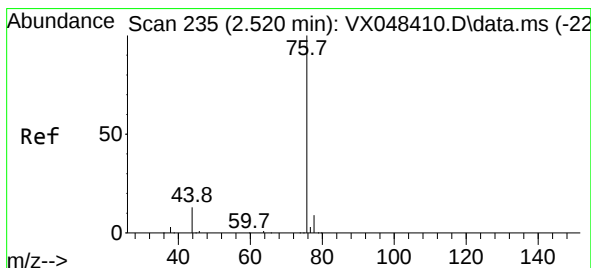
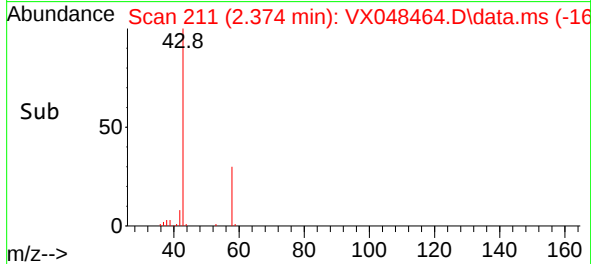
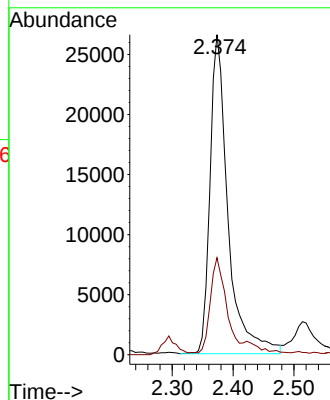


#16
Acetone
Concen: 155.562 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

Instrument :
MSVOA_X
ClientSampleId :

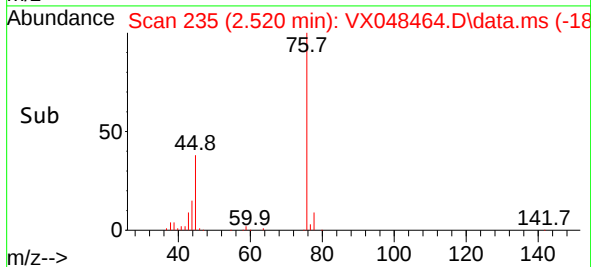
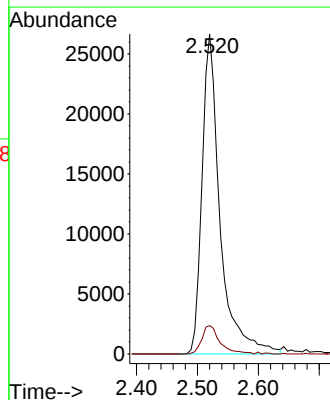
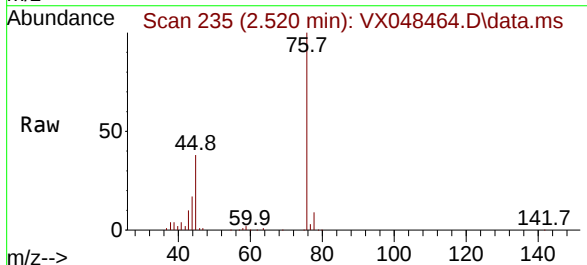


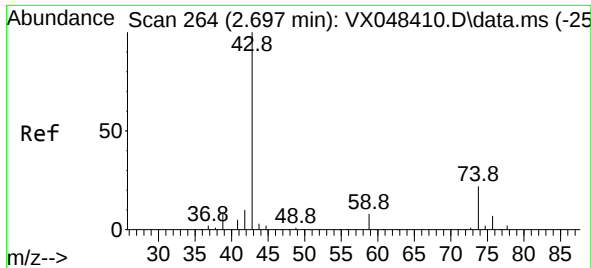
Tgt Ion: 43 Resp: 54392
Ion Ratio Lower Upper
43 100
58 29.6 23.4 35.2



#17
Carbon Disulfide
Concen: 15.317 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.000 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

Tgt Ion: 76 Resp: 54834
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7

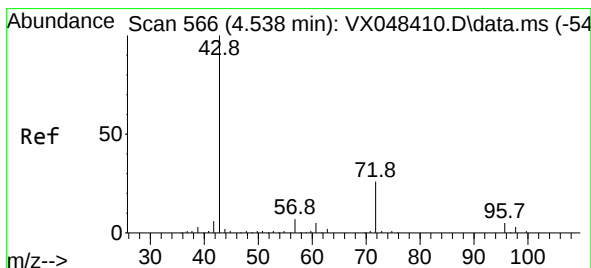
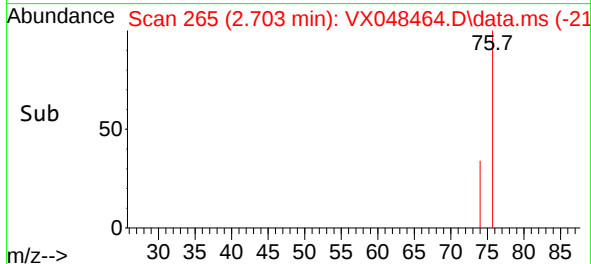
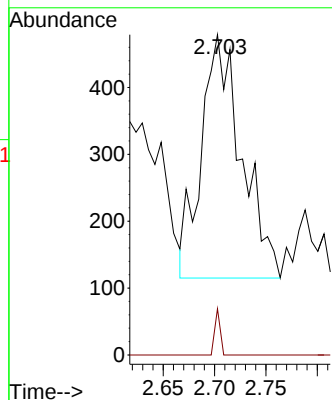
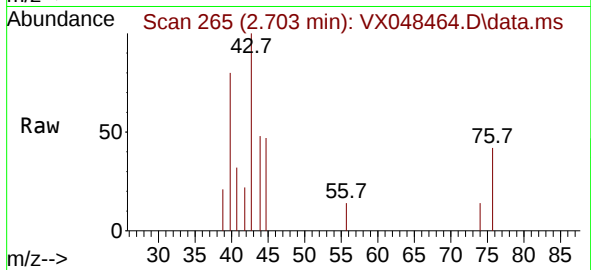




#18
Methyl Acetate
Concen: 0.847 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

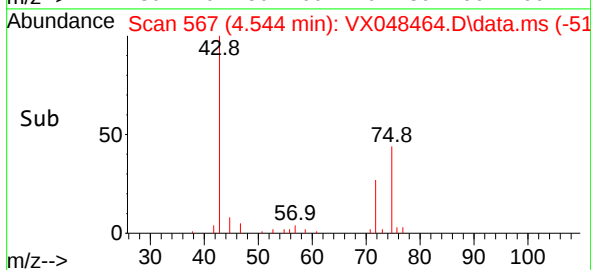
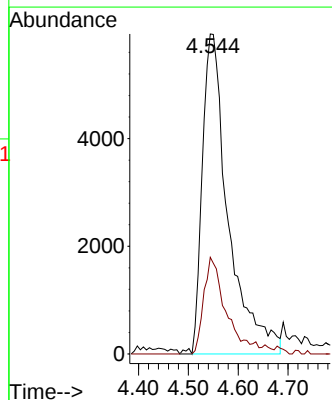
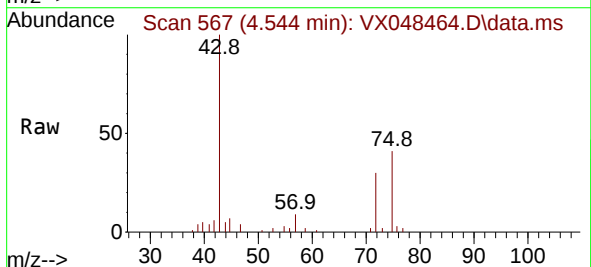
Instrument :
MSVOA_X
ClientSampleId :

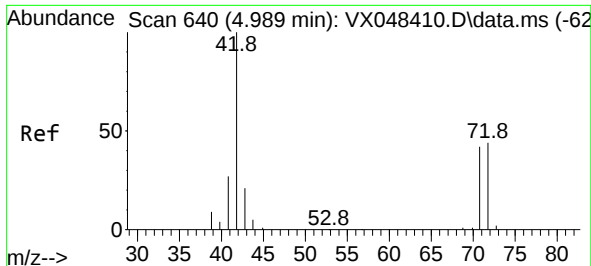
Tgt Ion: 43 Resp: 991
Ion Ratio Lower Upper
43 100
74 2.5 17.5 26.3#



#25
2-Butanone
Concen: 38.566 ug/l
RT: 4.544 min Scan# 567
Delta R.T. 0.006 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

Tgt Ion: 43 Resp: 21542
Ion Ratio Lower Upper
43 100
72 30.2 19.9 29.9#





#29

Tetrahydrofuran

Concen: 2.019 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX048464.D

Acq: 03 Nov 2025 17:44

Instrument :

MSVOA_X

ClientSampleId :

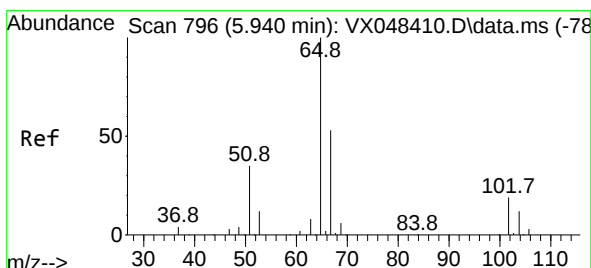
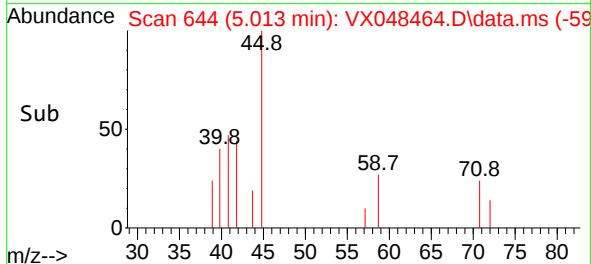
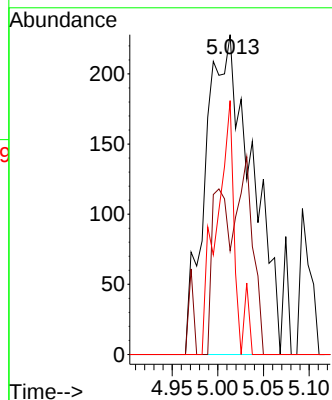
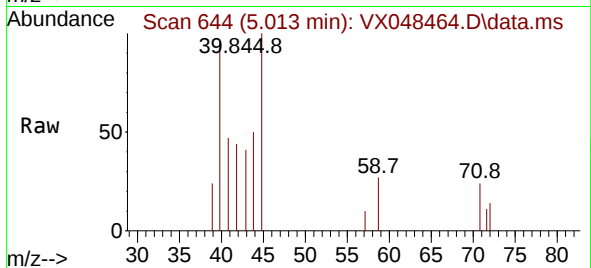
Tgt Ion: 42 Resp: 803

Ion Ratio Lower Upper

42 100

72 19.1 35.3 52.9#

71 31.4 32.2 48.4#



#33

1,2-Dichloroethane-d4

Concen: 49.490 ug/l

RT: 5.946 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX048464.D

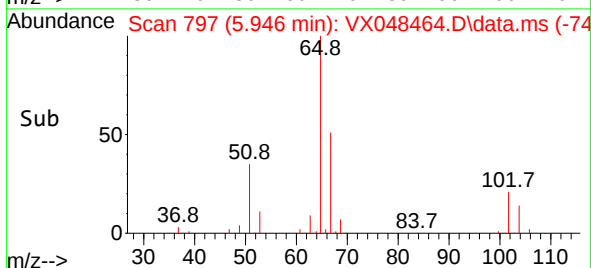
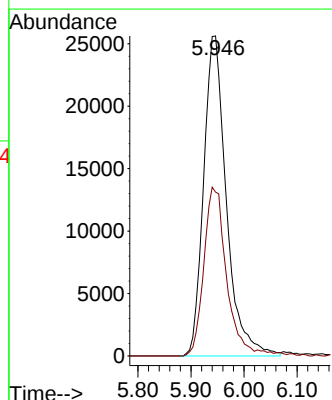
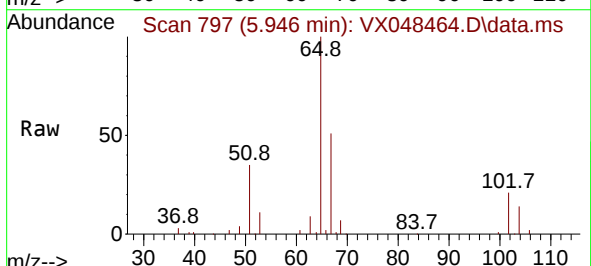
Acq: 03 Nov 2025 17:44

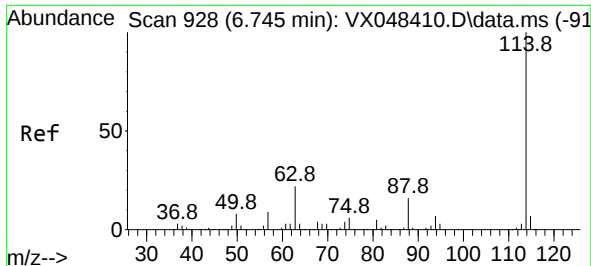
Tgt Ion: 65 Resp: 76349

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.0

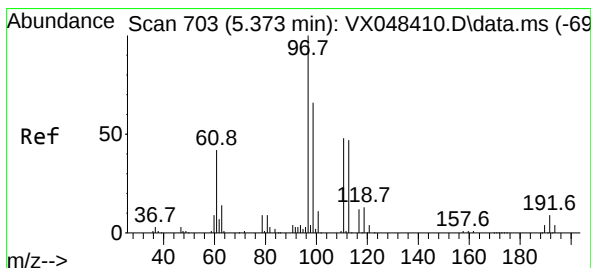
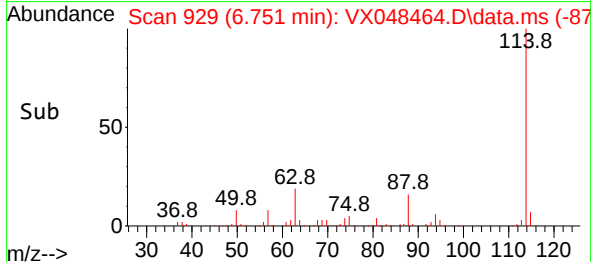
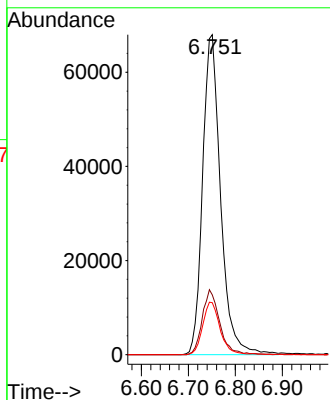
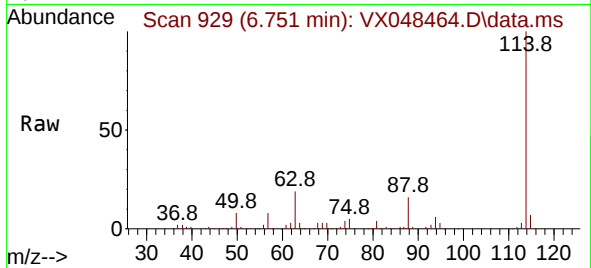




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

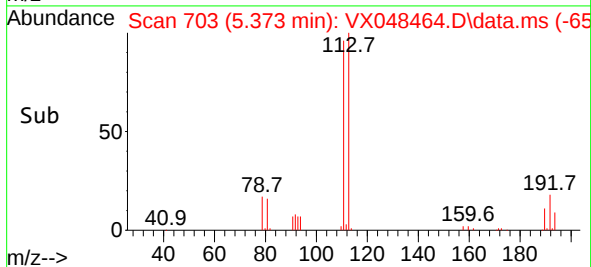
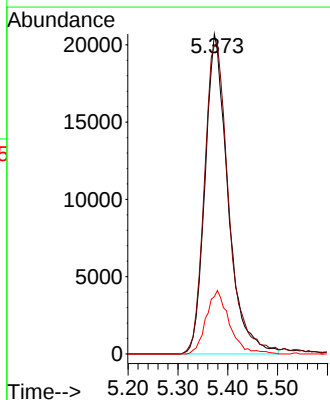
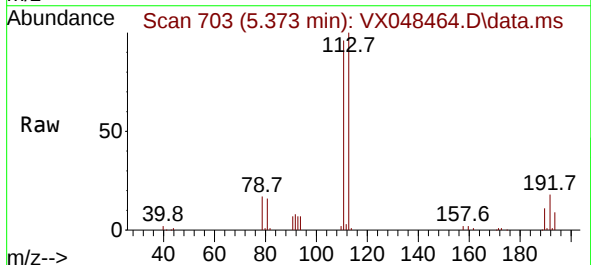
Instrument :
MSVOA_X
ClientSampleId :

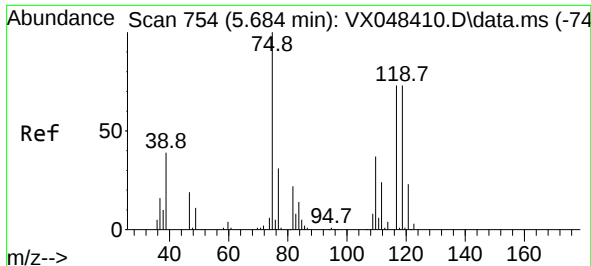
Tgt Ion:114 Resp: 180604
Ion Ratio Lower Upper
114 100
63 18.7 0.0 43.2
88 16.3 0.0 33.6



#35
Dibromofluoromethane
Concen: 64.173 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

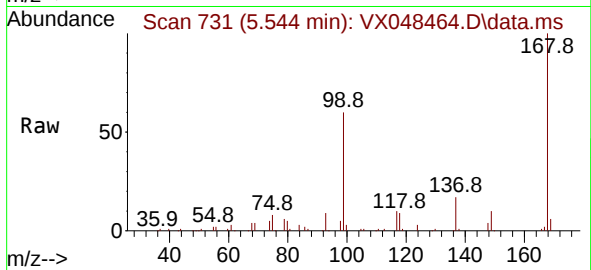
Tgt Ion:113 Resp: 66078
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.4
192 20.1 15.1 22.7



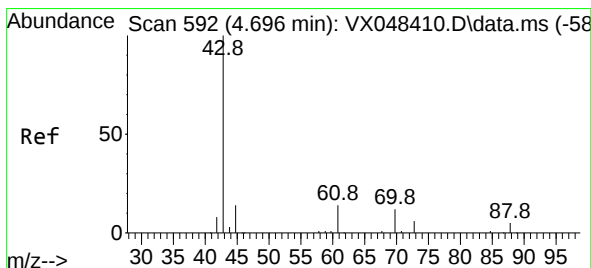
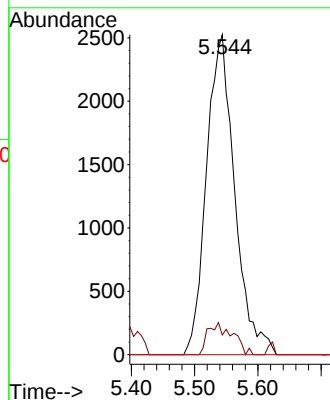
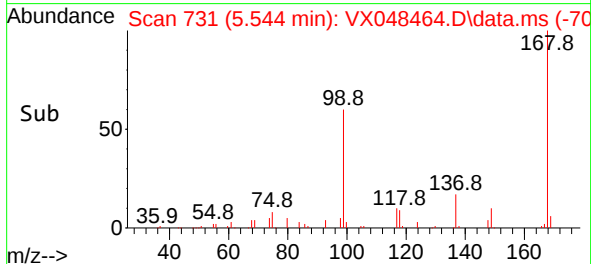


#36
1,1-Dichloropropene
Concen: 4.529 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

Instrument :
MSVOA_X
ClientSampleId :

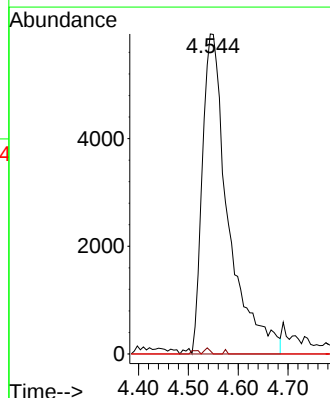
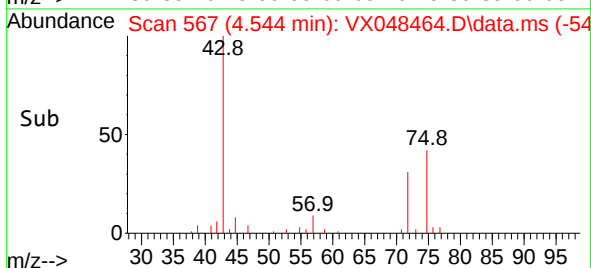
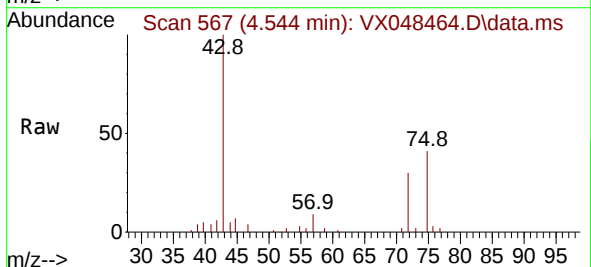


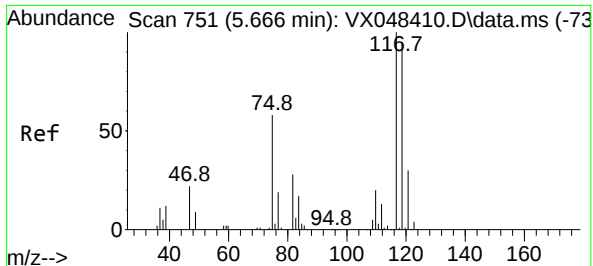
Tgt Ion: 75 Resp: 7831
Ion Ratio Lower Upper
75 100
110 8.8 17.7 53.1#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 14.623 ug/l
RT: 4.544 min Scan# 567
Delta R.T. -0.152 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

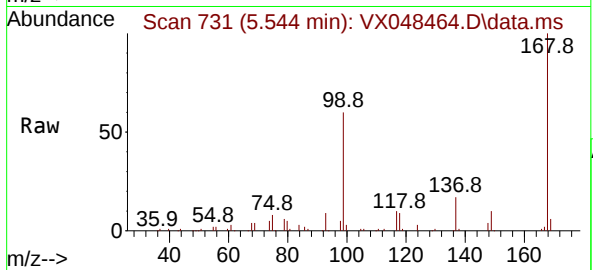
Tgt Ion: 43 Resp: 21542
Ion Ratio Lower Upper
43 100
61 0.4 10.6 15.8#
70 0.0 7.8 11.6#



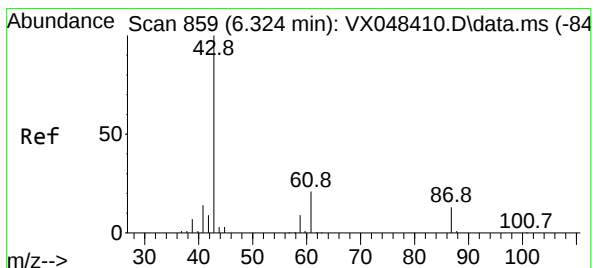
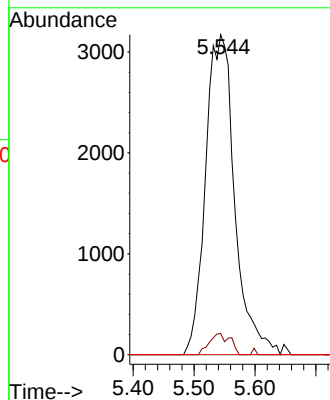
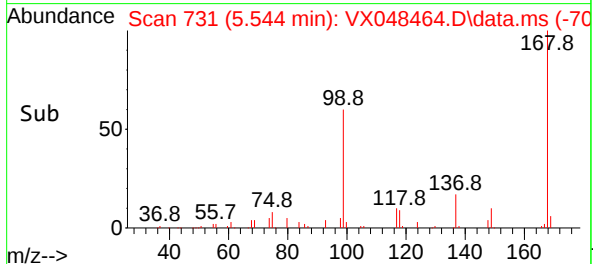


#38
Carbon Tetrachloride
Concen: 5.281 ug/l
RT: 5.544 min Scan# 751
Delta R.T. -0.122 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

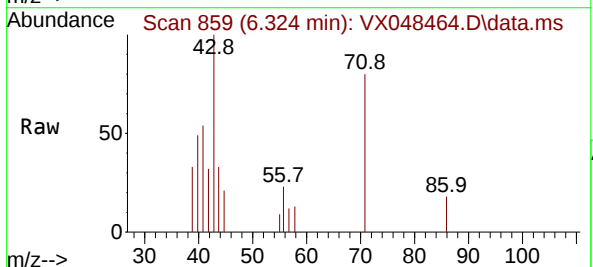
Instrument :
MSVOA_X
ClientSampleId :



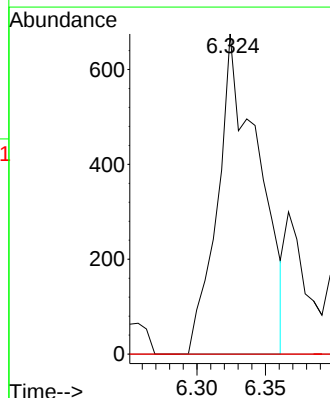
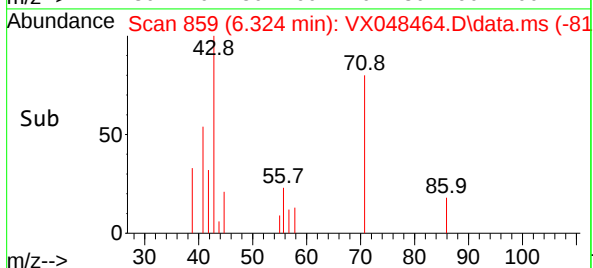
Tgt Ion:117 Resp: 10543
Ion Ratio Lower Upper
117 100
119 6.6 77.2 115.8#
121 0.0 24.8 37.2#

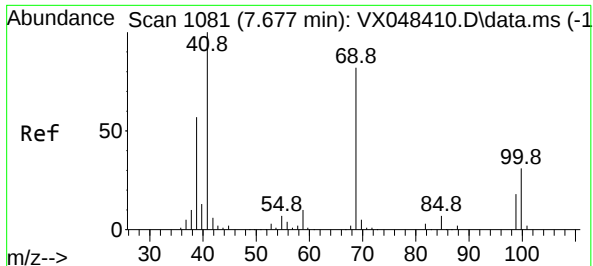


#43
Isopropyl Acetate
Concen: 0.579 ug/l
RT: 6.324 min Scan# 859
Delta R.T. 0.000 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44



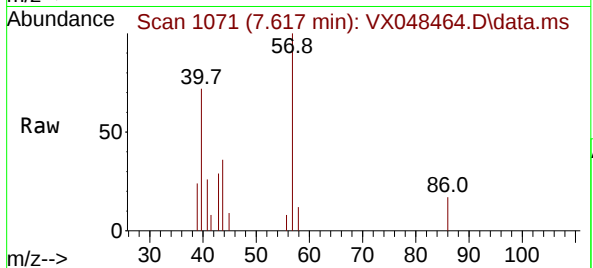
Tgt Ion: 43 Resp: 1408
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
87 0.0 9.4 14.2#



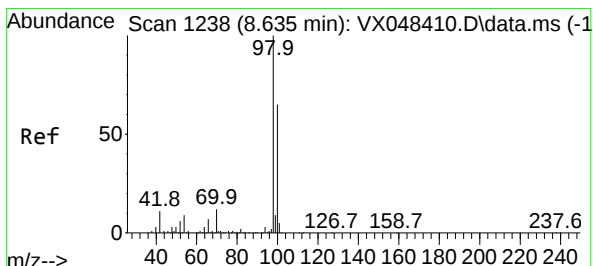
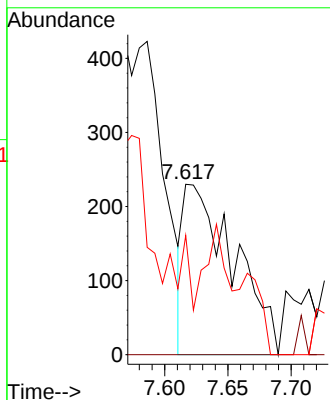
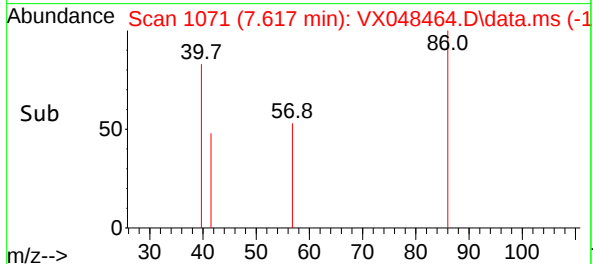


#48
Methyl methacrylate
Concen: 0.541 ug/l
RT: 7.617 min Scan# 1081
Delta R.T. -0.061 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

Instrument :
MSVOA_X
ClientSampleId :

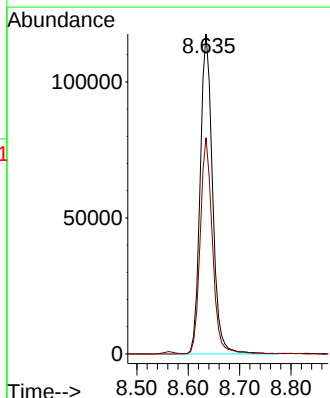
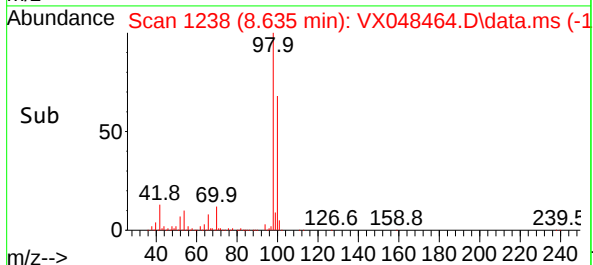
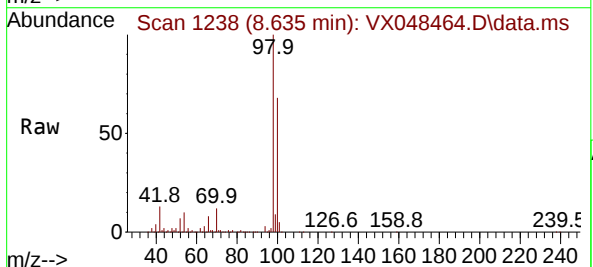


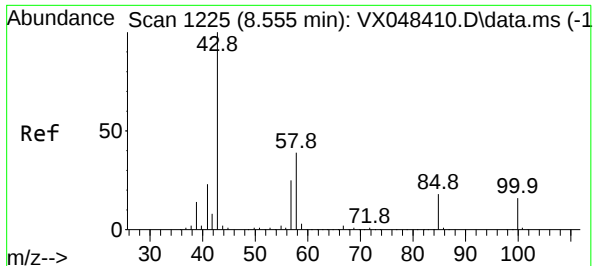
Tgt Ion: 41 Resp: 642
Ion Ratio Lower Upper
41 100
69 0.0 63.4 95.0#
39 0.0 47.1 70.7#



#50
Toluene-d8
Concen: 43.187 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. 0.000 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

Tgt Ion: 98 Resp: 196298
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.4





#51

4-Methyl-2-Pentanone

Concen: 5.503 ug/l

RT: 8.562 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX048464.D

Acq: 03 Nov 2025 17:44

Instrument :

MSVOA_X

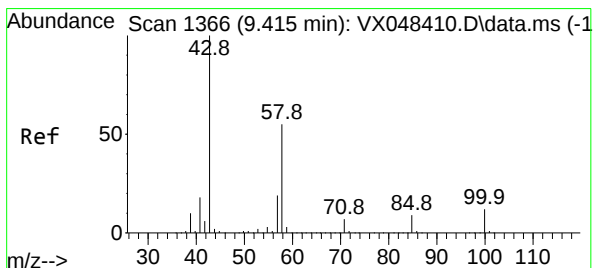
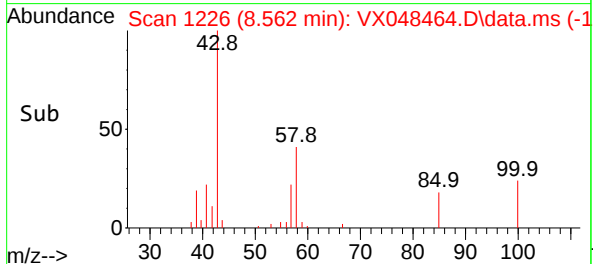
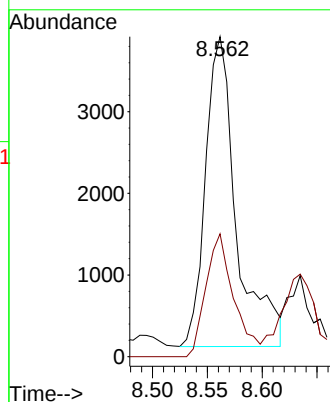
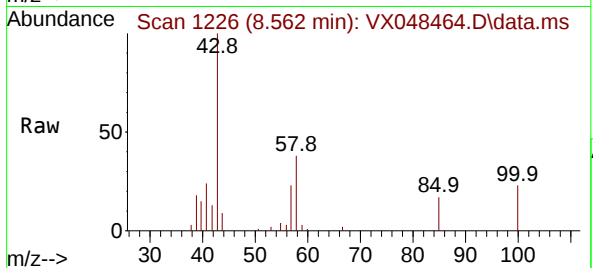
ClientSampleId :

Tgt Ion: 43 Resp: 7449

Ion Ratio Lower Upper

43 100

58 35.8 29.5 44.3



#59

2-Hexanone

Concen: 8.844 ug/l

RT: 9.421 min Scan# 1367

Delta R.T. 0.006 min

Lab File: VX048464.D

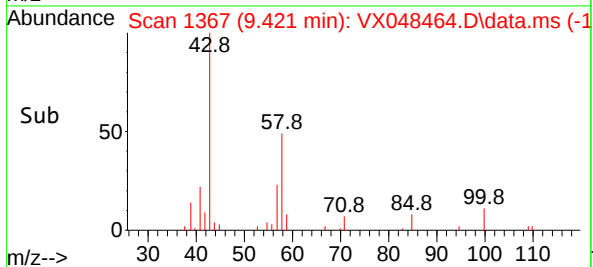
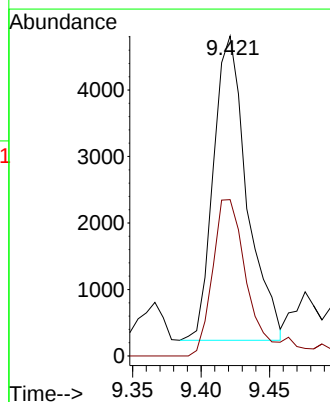
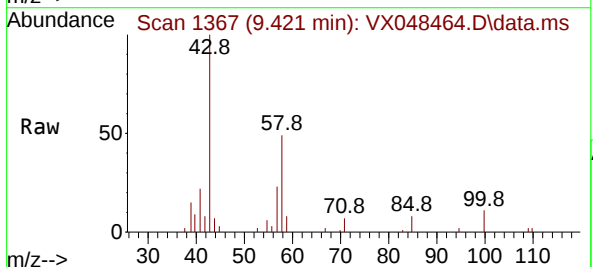
Acq: 03 Nov 2025 17:44

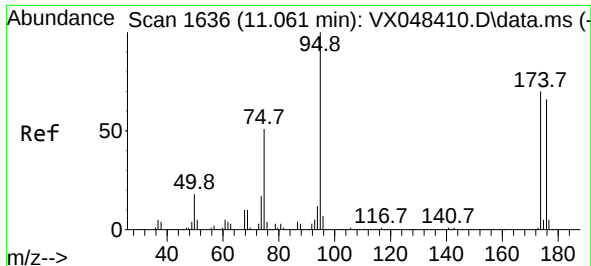
Tgt Ion: 43 Resp: 7790

Ion Ratio Lower Upper

43 100

58 54.8 26.3 78.8

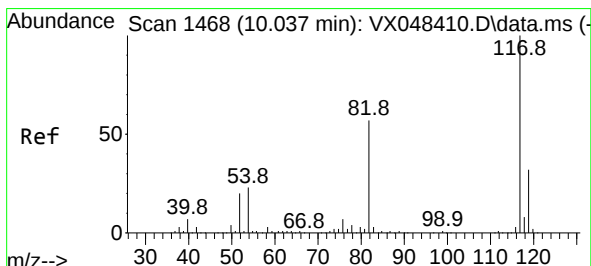
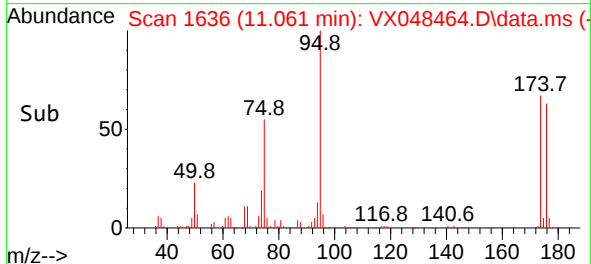
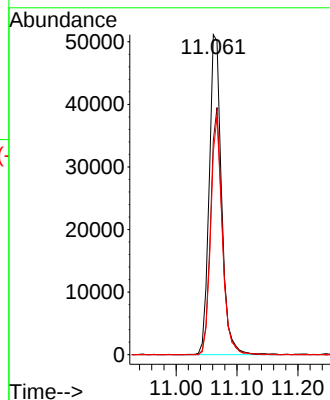
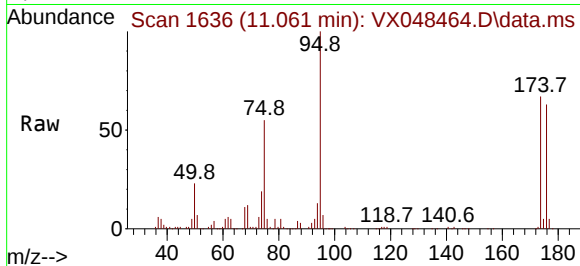




#62
4-Bromofluorobenzene
Concen: 42.172 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

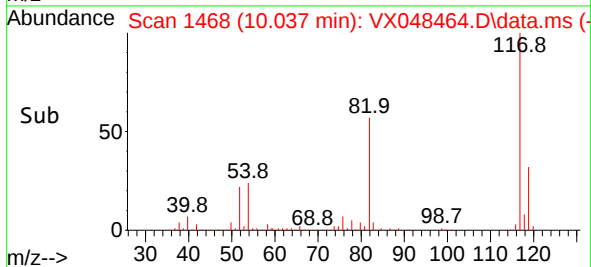
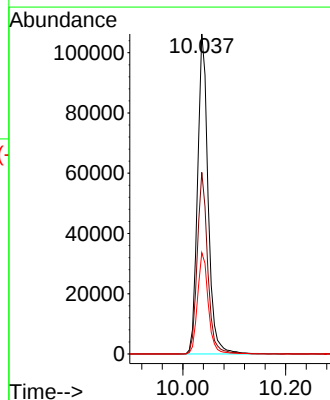
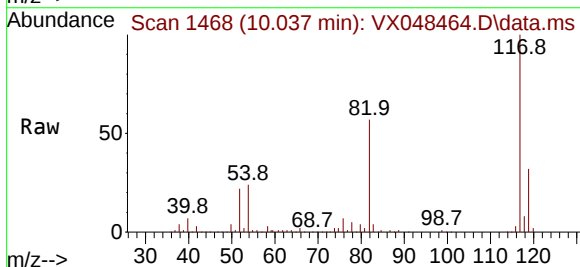
Instrument :
MSVOA_X
ClientSampleId :

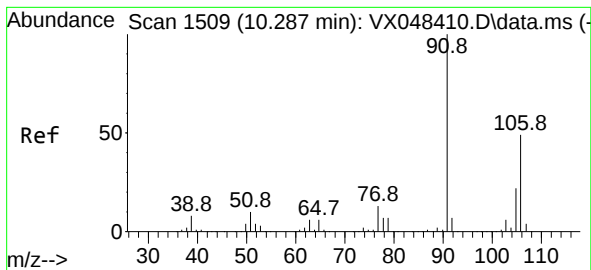
Tgt Ion: 95 Resp: 71706
Ion Ratio Lower Upper
95 100
174 73.0 0.0 147.8
176 69.6 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

Tgt Ion: 117 Resp: 151476
Ion Ratio Lower Upper
117 100
82 56.8 46.5 69.7
119 31.7 25.9 38.9

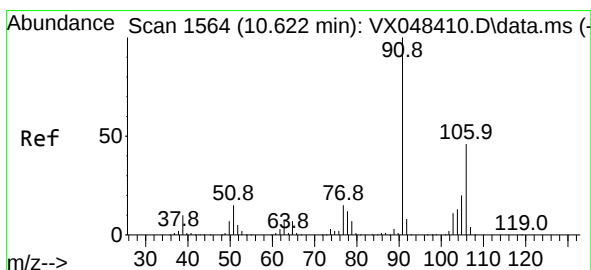
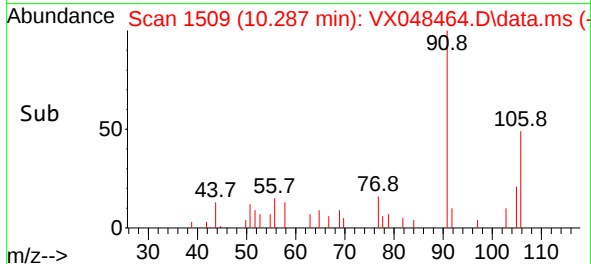
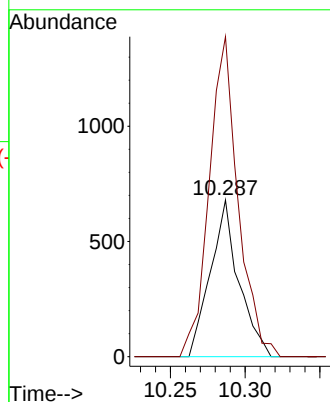
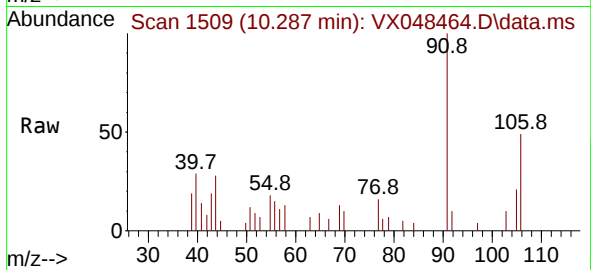




#68
m/p-Xylenes
Concen: 0.404 ug/l
RT: 10.287 min Scan# 1509
Delta R.T. 0.000 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

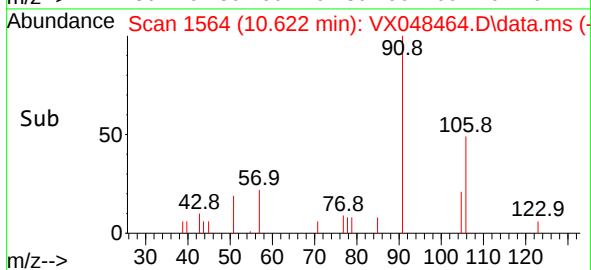
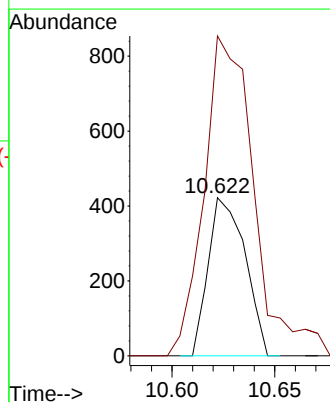
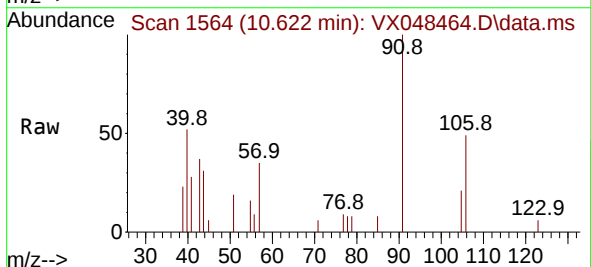
Instrument :
MSVOA_X
ClientSampleId :

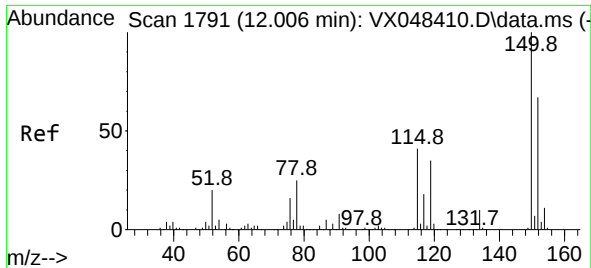
Tgt Ion:106 Resp: 898
Ion Ratio Lower Upper
106 100
91 207.9 167.9 251.9



#69
o-Xylene
Concen: 0.247 ug/l
RT: 10.622 min Scan# 1564
Delta R.T. 0.000 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

Tgt Ion:106 Resp: 526
Ion Ratio Lower Upper
106 100
91 274.1 111.3 333.9

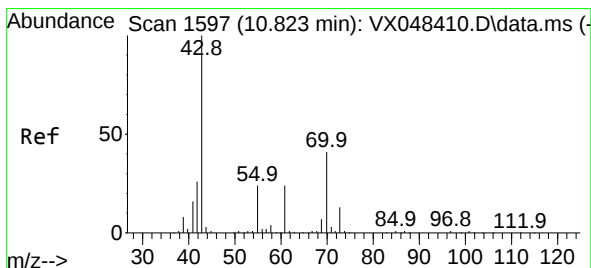
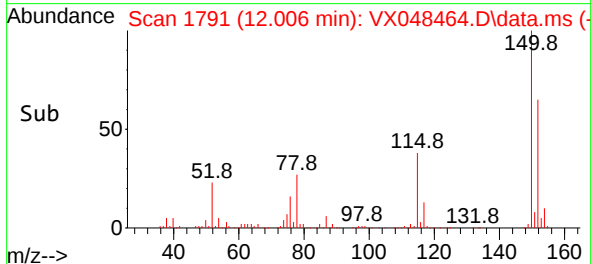
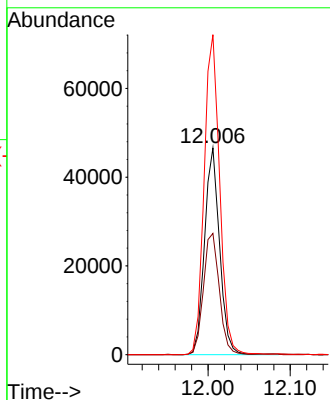
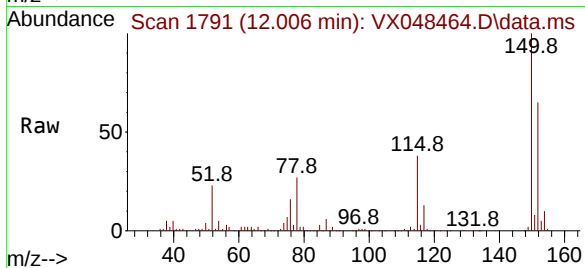




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

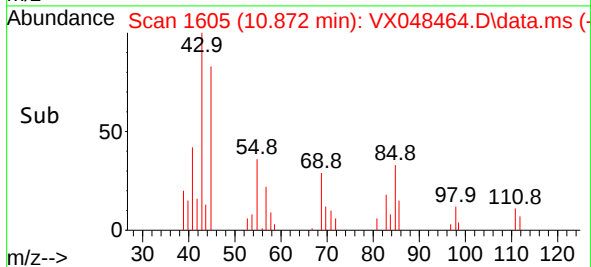
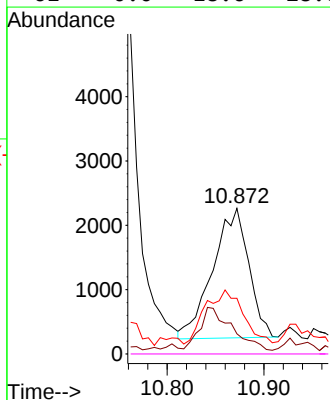
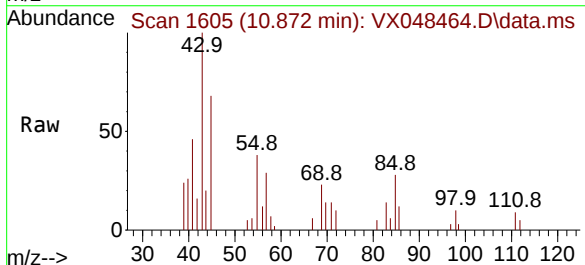
Instrument :
MSVOA_X
ClientSampleId :

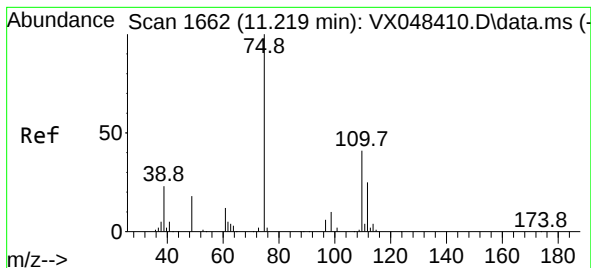
Tgt Ion:152 Resp: 59323
Ion Ratio Lower Upper
152 100
115 62.1 43.1 129.4
150 159.6 0.0 353.0



#74
N-ethyl acetate
Concen: 3.340 ug/l
RT: 10.872 min Scan# 1605
Delta R.T. 0.049 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

Tgt Ion: 43 Resp: 5228
Ion Ratio Lower Upper
43 100
70 0.0 32.2 48.2#
55 44.7 19.1 28.7#
61 0.0 18.6 28.0#





#76

1,2,3-Trichloropropane

Concen: 44.925 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.158 min

Lab File: VX048464.D

Acq: 03 Nov 2025 17:44

Instrument :

MSVOA_X

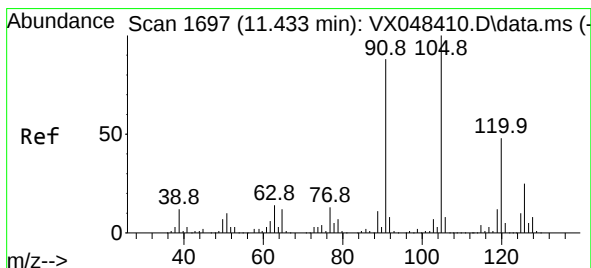
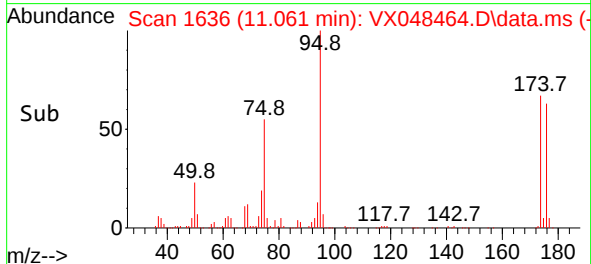
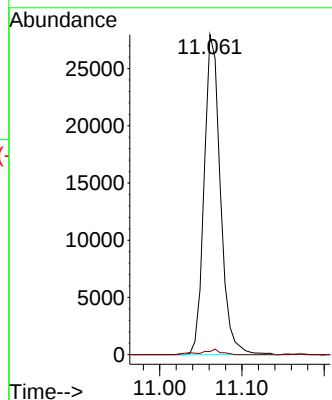
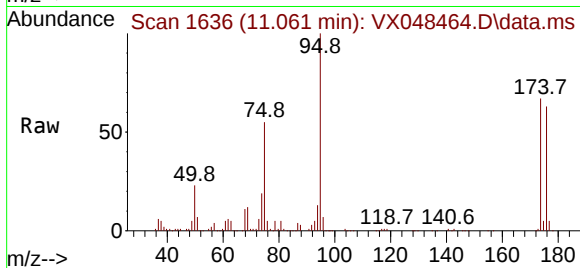
ClientSampleId :

Tgt Ion: 75 Resp: 38327

Ion Ratio Lower Upper

75 100

77 2.0 22.4 67.2#



#80

1,3,5-Trimethylbenzene

Concen: 0.377 ug/l

RT: 11.433 min Scan# 1697

Delta R.T. 0.000 min

Lab File: VX048464.D

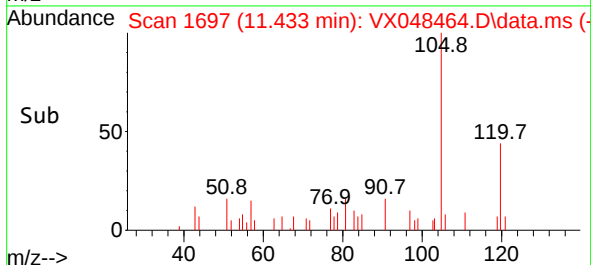
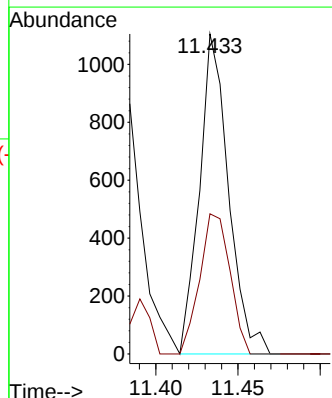
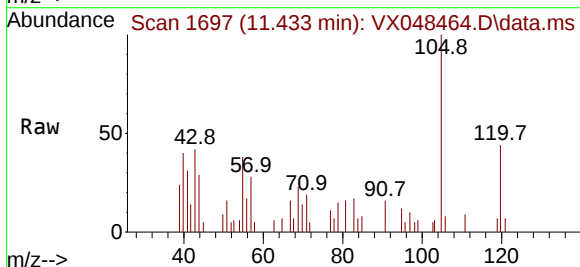
Acq: 03 Nov 2025 17:44

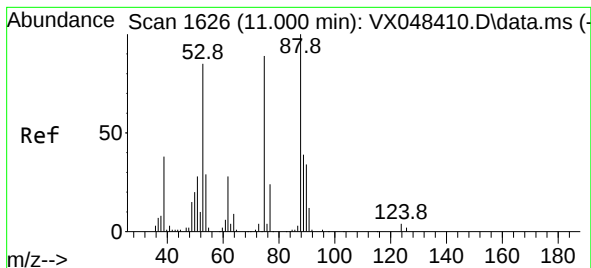
Tgt Ion:105 Resp: 1356

Ion Ratio Lower Upper

105 100

120 45.6 24.0 72.0

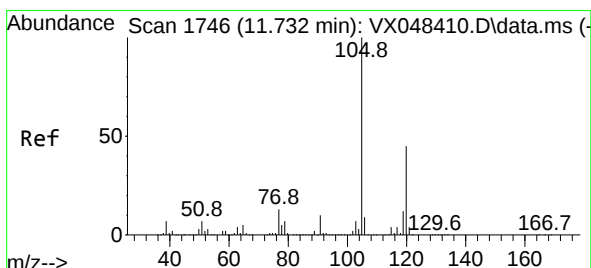
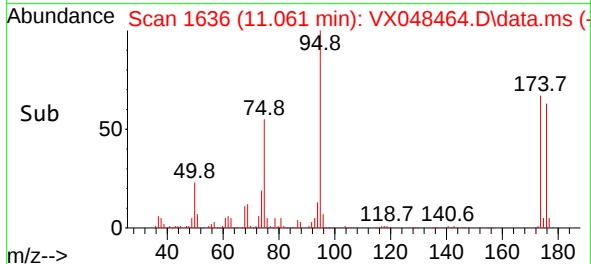
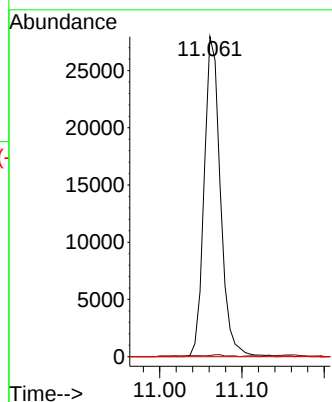
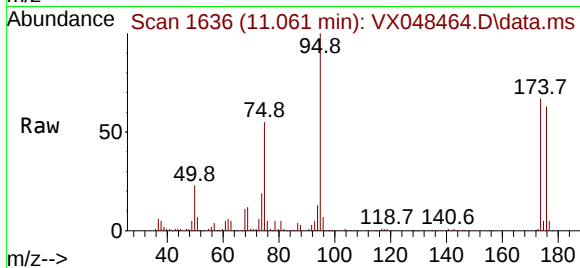




#81
trans-1,4-Dichloro-2-butene
Concen: 155.466 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

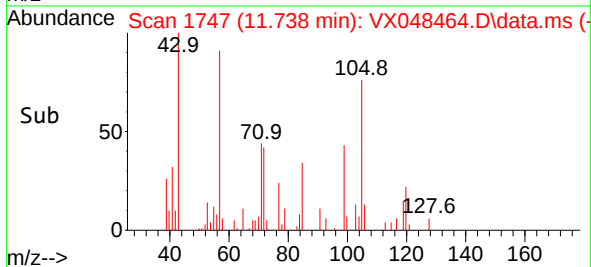
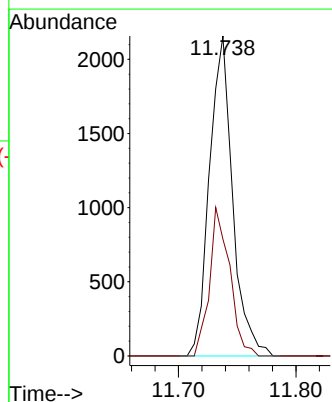
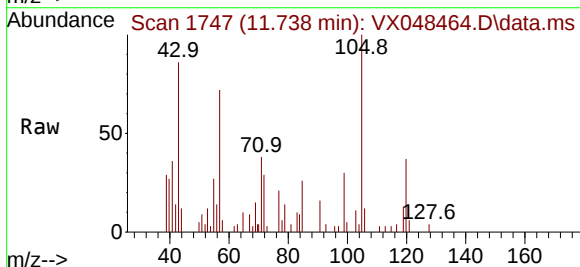
Instrument :
MSVOA_X
ClientSampleId :

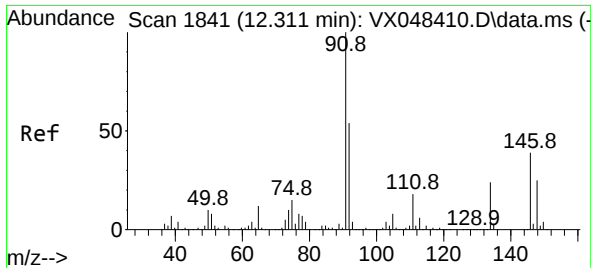
Tgt Ion: 75 Resp: 38327
Ion Ratio Lower Upper
75 100
53 0.6 79.5 119.3#
89 0.0 36.8 55.2#



#84
1,2,4-Trimethylbenzene
Concen: 0.829 ug/l
RT: 11.738 min Scan# 1747
Delta R.T. 0.006 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

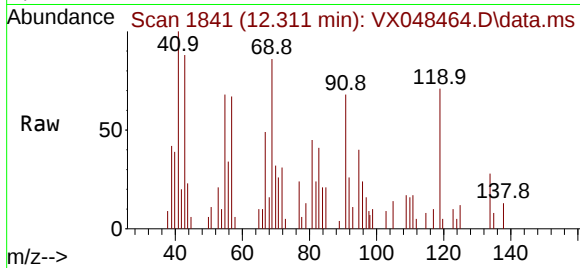
Tgt Ion: 105 Resp: 2953
Ion Ratio Lower Upper
105 100
120 40.6 22.1 66.5



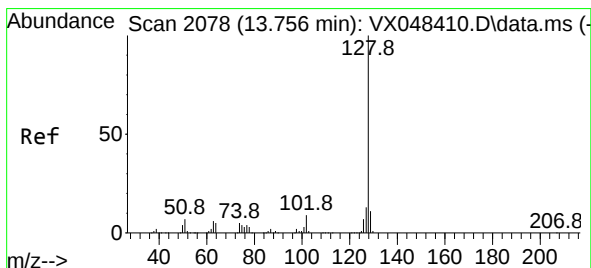
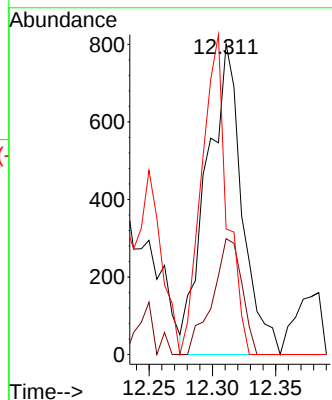
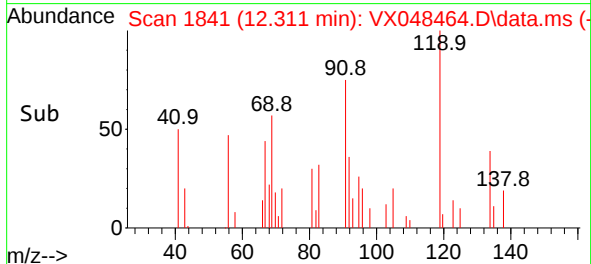


#89
n-Butylbenzene
Concen: 0.430 ug/l
RT: 12.311 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44

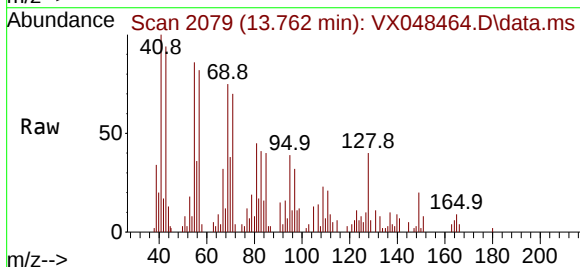
Instrument :
MSVOA_X
ClientSampleId :



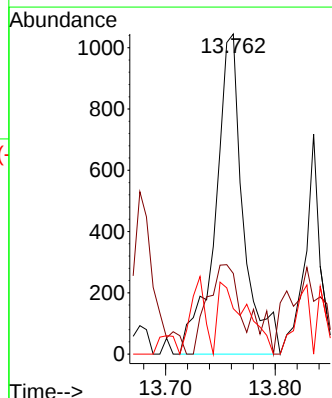
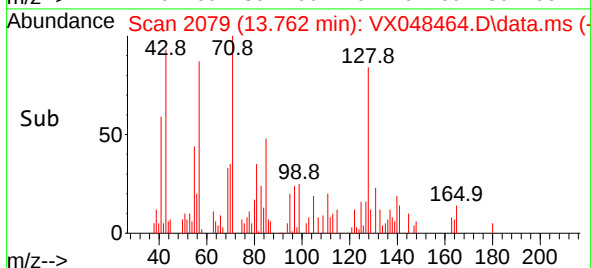
Tgt Ion: 91 Resp: 1557
Ion Ratio Lower Upper
91 100
92 31.1 26.9 80.6
134 74.3 12.7 38.1#

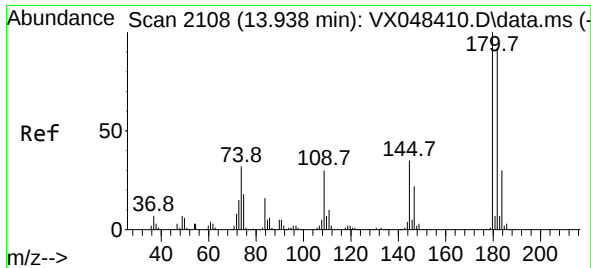


#95
Naphthalene
Concen: 0.553 ug/l
RT: 13.762 min Scan# 2079
Delta R.T. 0.006 min
Lab File: VX048464.D
Acq: 03 Nov 2025 17:44



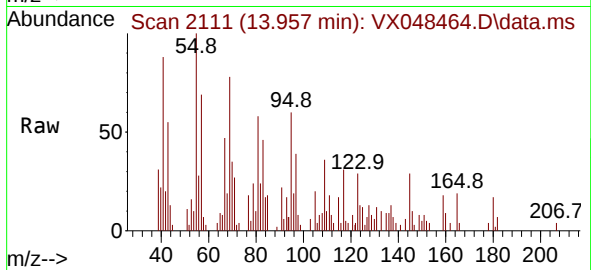
Tgt Ion: 128 Resp: 1848
Ion Ratio Lower Upper
128 100
127 30.6 10.2 15.4#
129 22.7 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.671 ug/l
 RT: 13.957 min Scan# 2111
 Delta R.T. 0.018 min
 Lab File: VX048464.D
 Acq: 03 Nov 2025 17:44

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180 Resp: 807
 Ion Ratio Lower Upper
 180 100
 182 12.4 46.6 139.7#
 145 103.2 16.9 50.7#

