

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX110325\
 Data File : VX048459.D
 Acq On : 03 Nov 2025 16:01
 Operator : JC/MD
 Sample : Q3518-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

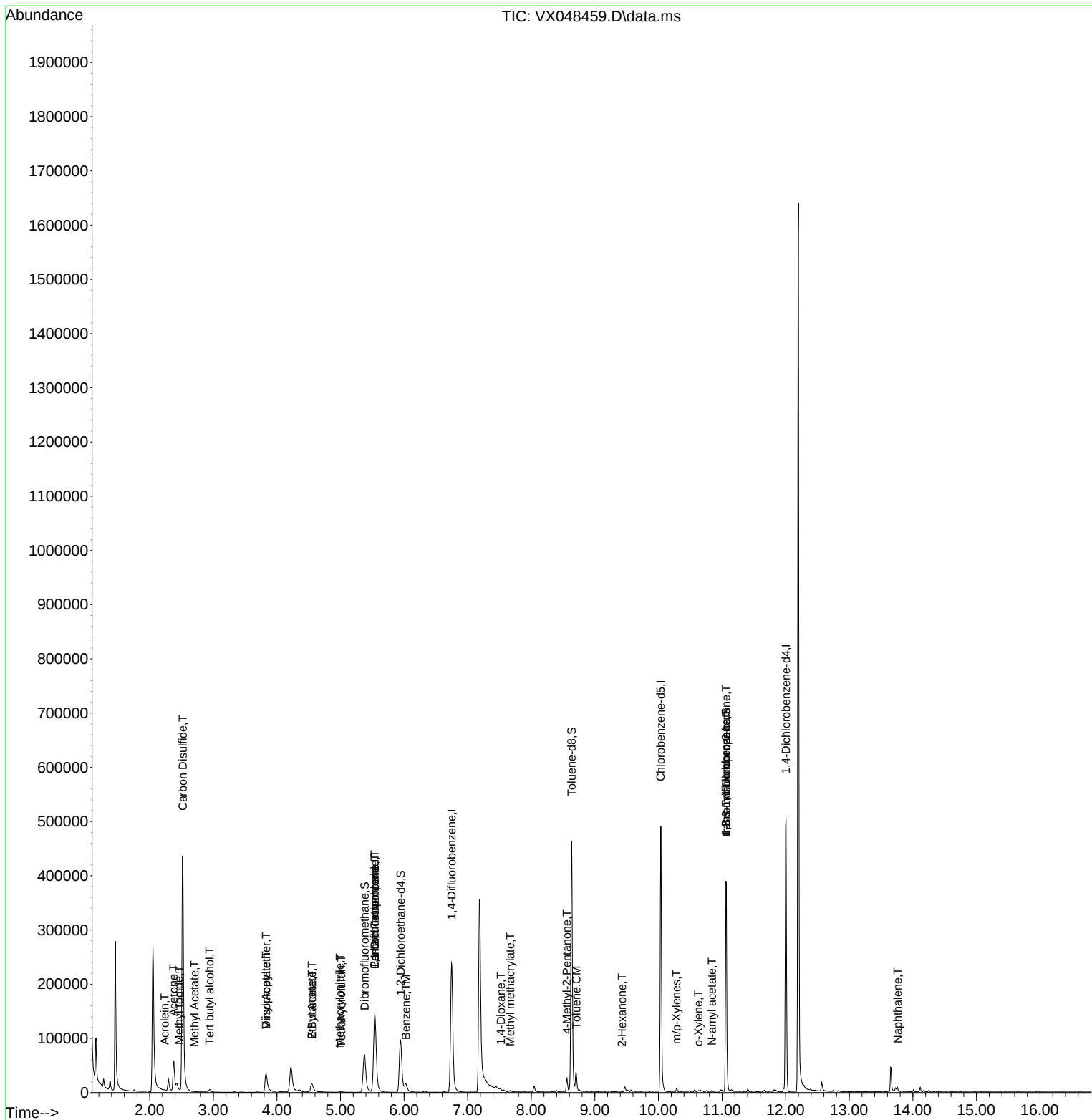
Quant Time: Nov 04 00:15:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 30 02:37:17 2025
 Response via : Initial Calibration

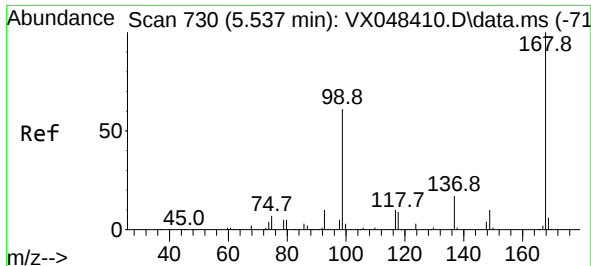
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.538	168	143147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	277167	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	215496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	107527	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	110542	53.696	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.400%			
35) Dibromofluoromethane	5.379	113	67771	42.887	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 85.780%			
50) Toluene-d8	8.635	98	283926	40.703	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 81.400%#			
62) 4-Bromofluorobenzene	11.061	95	109678	42.032	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 84.060%			
Target Compounds					Qvalue	
10) Methyl Iodide	2.459	142	1731	0.262	ug/l #	93
11) Tert butyl alcohol	2.941	59	4797	30.414	ug/l #	94
13) Acrolein	2.233	56	183	0.556	ug/l #	77
16) Acetone	2.374	43	72566	155.525	ug/l	97
17) Carbon Disulfide	2.520	76	623288	130.467	ug/l	100
18) Methyl Acetate	2.703	43	484	0.310	ug/l #	70
22) Diisopropyl ether	3.831	45	2767	0.479	ug/l #	1
23) Vinyl Acetate	3.831	43	6623	1.685	ug/l #	73
25) 2-Butanone	4.550	43	33986	45.596	ug/l	95
29) Tetrahydrofuran	5.013	42	132	0.249	ug/l #	33
36) 1,1-Dichloropropene	5.538	75	12677	4.777	ug/l #	50
37) Ethyl Acetate	4.550	43	33986	15.032	ug/l #	70
38) Carbon Tetrachloride	5.538	117	15527	5.068	ug/l #	16
40) Benzene	6.031	78	17001	2.097	ug/l	96
41) Methacrylonitrile	4.989	41	307	0.270	ug/l #	32
48) Methyl methacrylate	7.671	41	1155	0.635	ug/l #	46
49) 1,4-Dioxane	7.525	88	26	1.257	ug/l #	18
51) 4-Methyl-2-Pentanone	8.561	43	16091	7.746	ug/l	97
52) Toluene	8.708	92	12123	2.393	ug/l	95
59) 2-Hexanone	9.427	43	1241	0.918	ug/l #	61
68) m/p-Xylenes	10.281	106	1796	0.567	ug/l	98
69) o-Xylene	10.628	106	698	0.231	ug/l	87
74) N-amyl acetate	10.842	43	616	0.217	ug/l #	33
76) 1,2,3-Trichloropropane	11.061	75	61439	39.731	ug/l #	33
81) trans-1,4-Dichloro-2-b...	11.061	75	61439	137.493	ug/l #	10
95) Naphthalene	13.762	128	4450	0.734	ug/l #	95

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

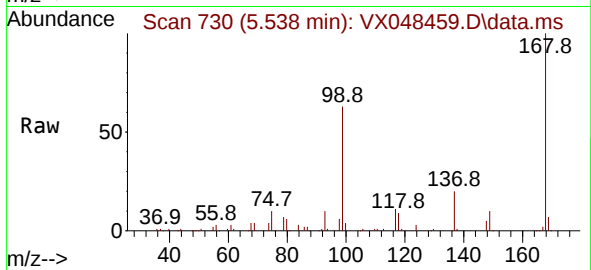
Quant Time: Nov 04 00:15:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 30 02:37:17 2025
Response via : Initial Calibration



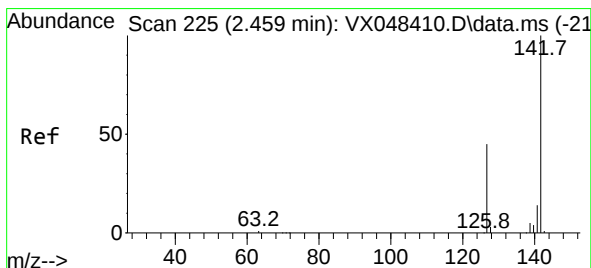
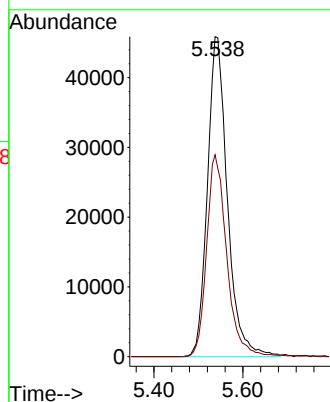
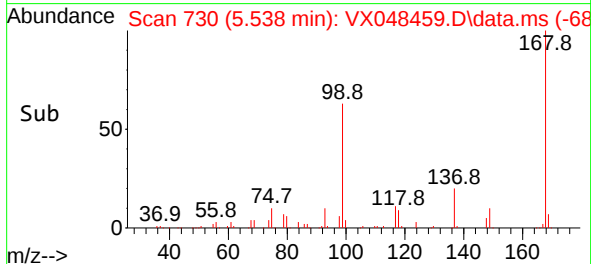


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

Instrument :
MSVOA_X
ClientSampleId :

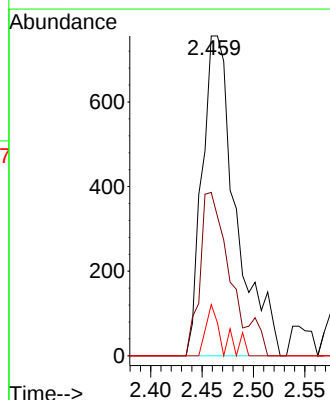
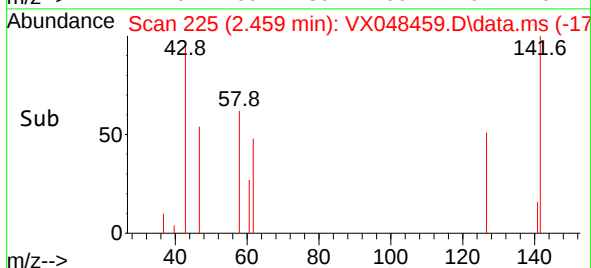
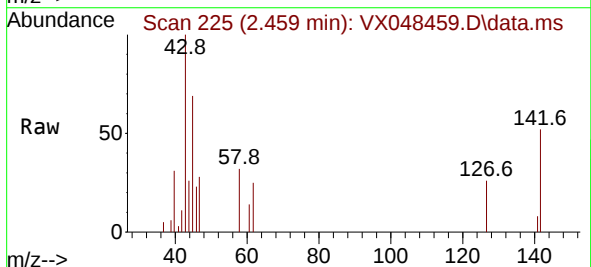


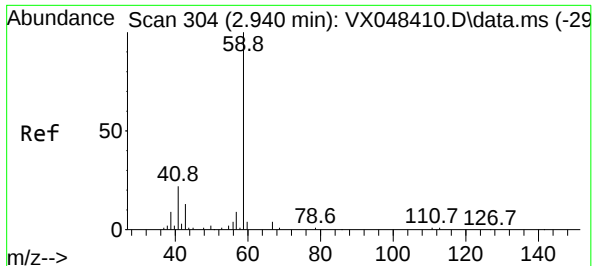
Tgt Ion:168 Resp: 143147
Ion Ratio Lower Upper
168 100
99 63.1 46.4 69.6



#10
Methyl Iodide
Concen: 0.262 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

Tgt Ion:142 Resp: 1731
Ion Ratio Lower Upper
142 100
127 46.6 38.5 57.7
141 5.5 11.6 17.4#

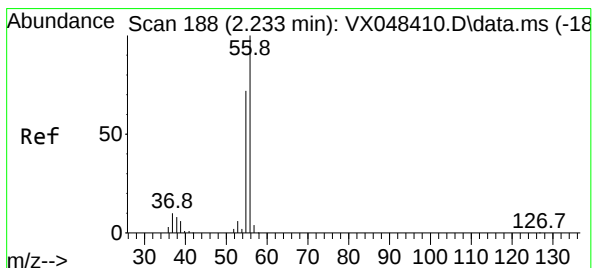
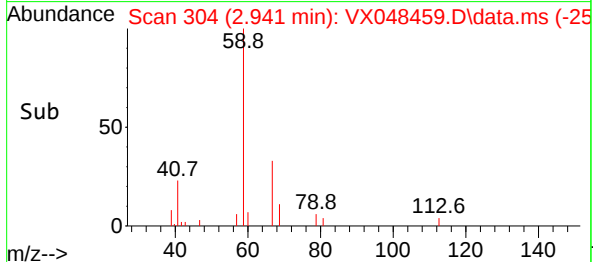
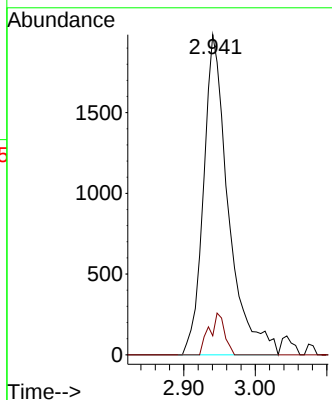
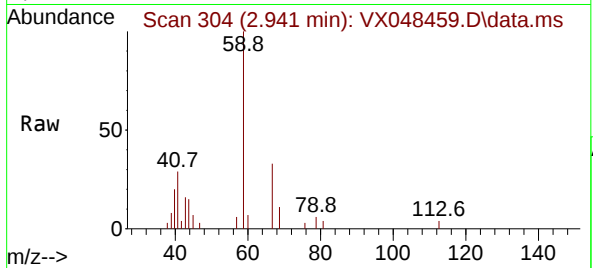




#11
Tert butyl alcohol
Concen: 30.414 ug/l
RT: 2.941 min Scan# 304
Delta R.T. 0.000 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

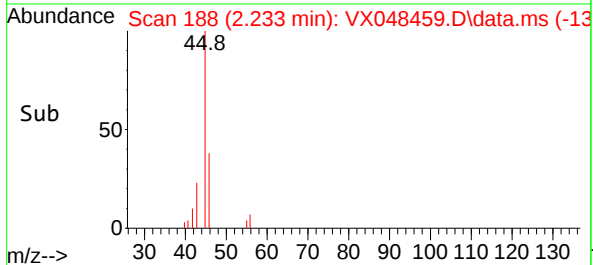
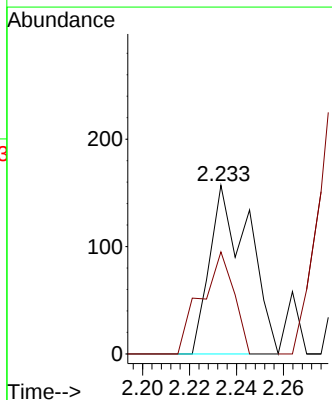
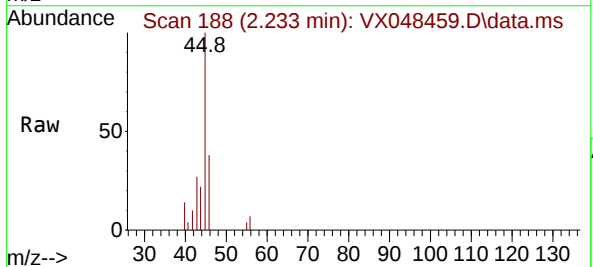
Instrument :
MSVOA_X
ClientSampleId :

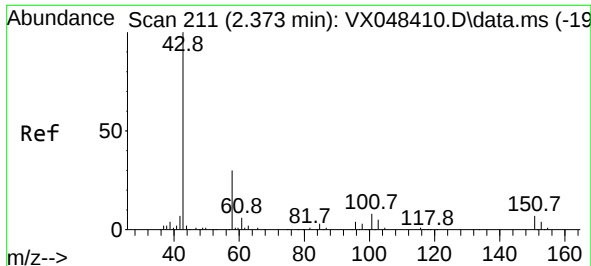
Tgt Ion: 59 Resp: 4797
Ion Ratio Lower Upper
59 100
57 7.9 8.2 12.4#



#13
Acrolein
Concen: 0.556 ug/l
RT: 2.233 min Scan# 188
Delta R.T. 0.000 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

Tgt Ion: 56 Resp: 183
Ion Ratio Lower Upper
56 100
55 50.8 56.1 84.1#

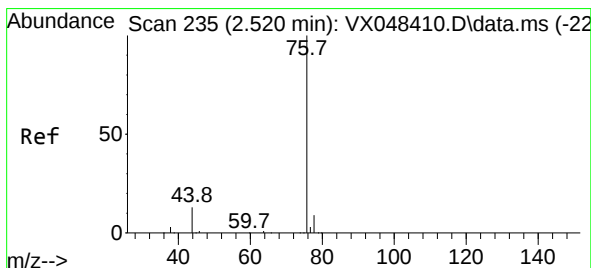
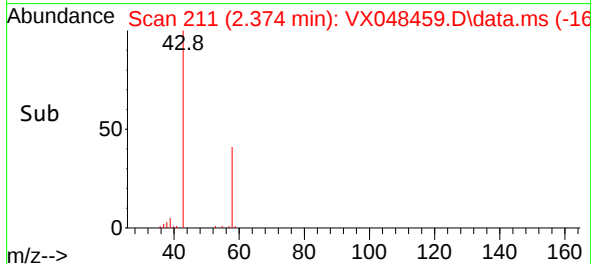
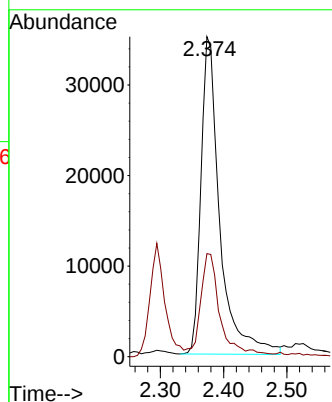
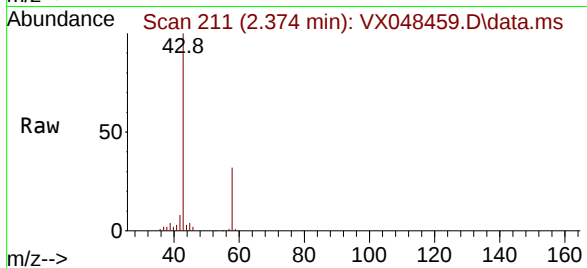




#16
Acetone
Concen: 155.525 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

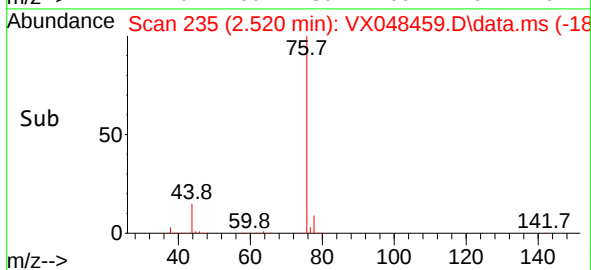
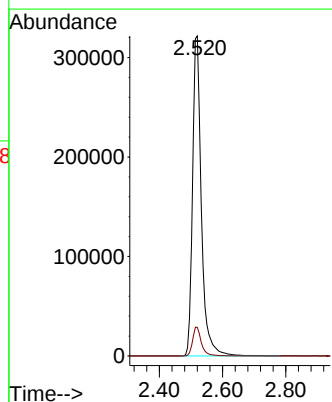
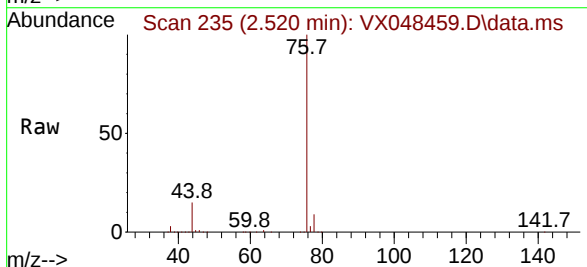
Instrument :
MSVOA_X
ClientSampleId :

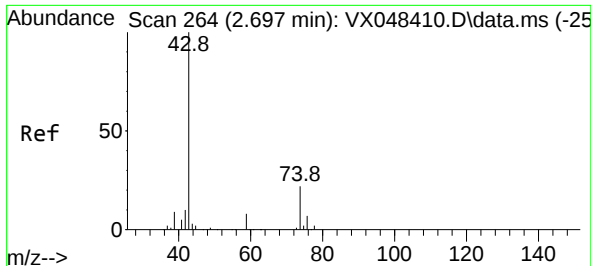
Tgt Ion: 43 Resp: 72566
Ion Ratio Lower Upper
43 100
58 31.1 23.4 35.2



#17
Carbon Disulfide
Concen: 130.467 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.000 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

Tgt Ion: 76 Resp: 623288
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7

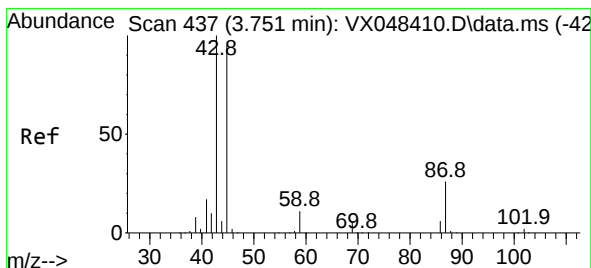
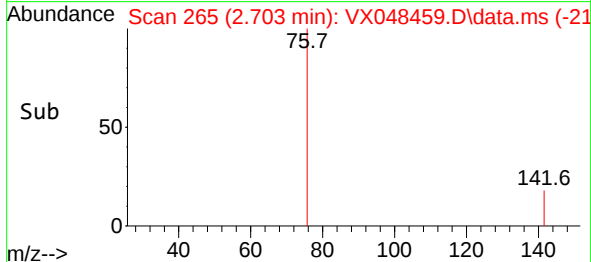
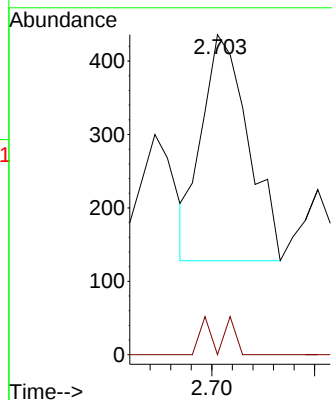
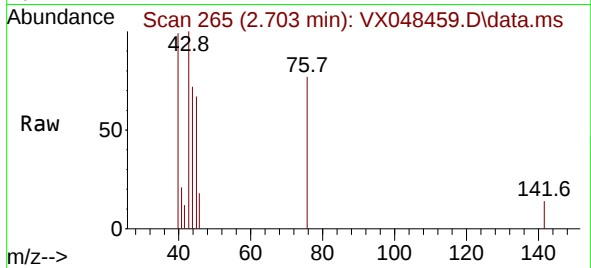




#18
Methyl Acetate
Concen: 0.310 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

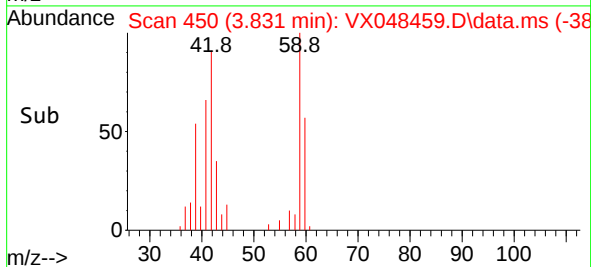
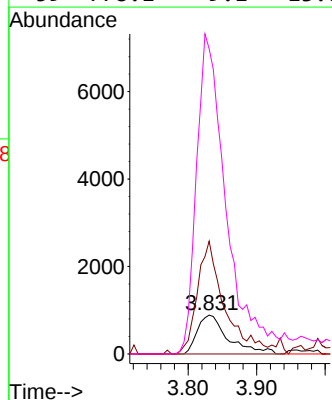
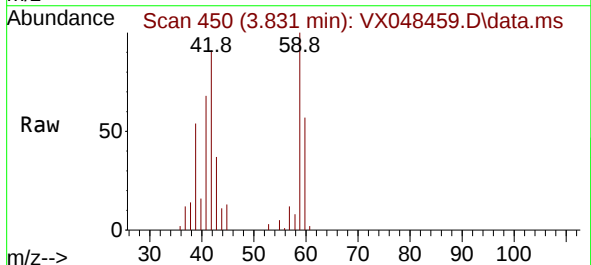
Instrument :
MSVOA_X
ClientSampleId :

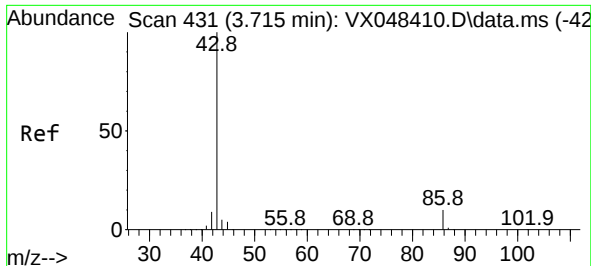
Tgt Ion: 43 Resp: 484
Ion Ratio Lower Upper
43 100
74 7.9 17.5 26.3#



#22
Diisopropyl ether
Concen: 0.479 ug/l
RT: 3.831 min Scan# 450
Delta R.T. 0.079 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

Tgt Ion: 45 Resp: 2767
Ion Ratio Lower Upper
45 100
43 253.7 89.8 134.8#
87 0.0 20.6 31.0#
59 778.1 9.1 13.7#

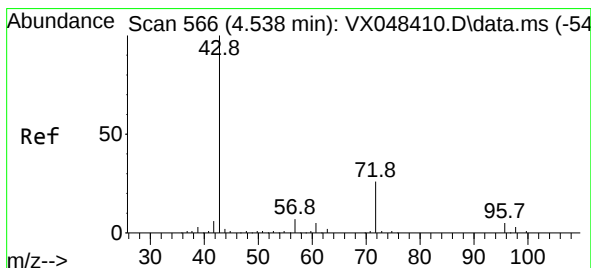
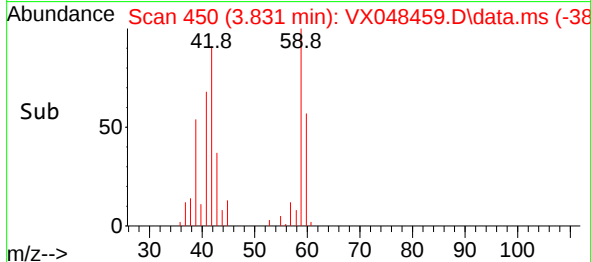
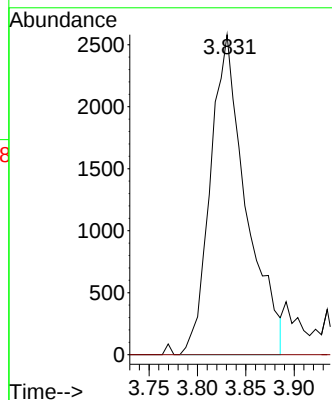
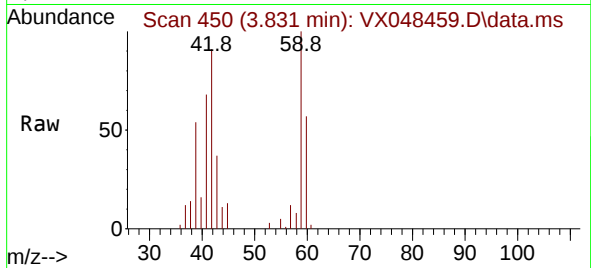




#23
 Vinyl Acetate
 Concen: 1.685 ug/l
 RT: 3.831 min Scan# 41
 Delta R.T. 0.116 min
 Lab File: VX048459.D
 Acq: 03 Nov 2025 16:01

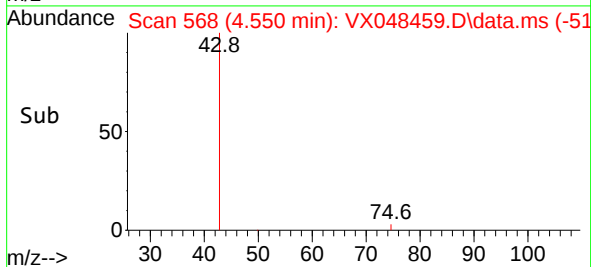
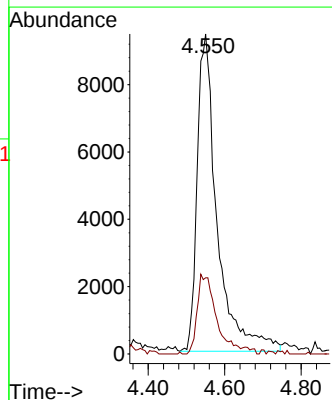
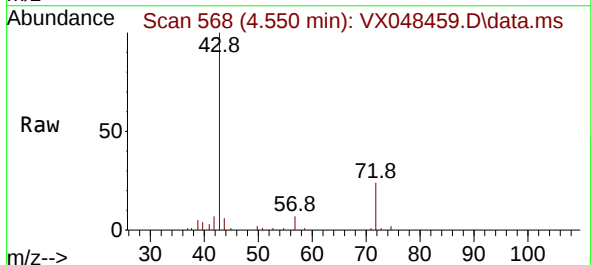
Instrument :
 MSVOA_X
 ClientSampleId :

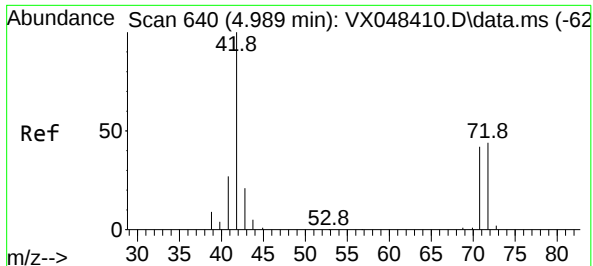
Tgt Ion: 43 Resp: 6623
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.9 11.9#



#25
 2-Butanone
 Concen: 45.596 ug/l
 RT: 4.550 min Scan# 568
 Delta R.T. 0.012 min
 Lab File: VX048459.D
 Acq: 03 Nov 2025 16:01

Tgt Ion: 43 Resp: 33986
 Ion Ratio Lower Upper
 43 100
 72 22.2 19.9 29.9





#29

Tetrahydrofuran

Concen: 0.249 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.024 min

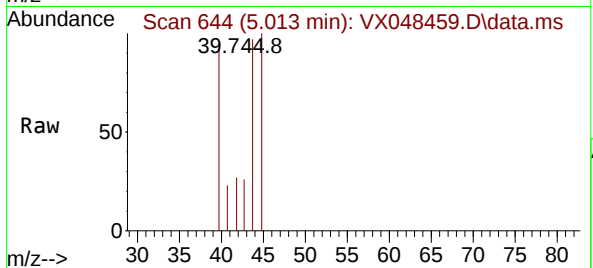
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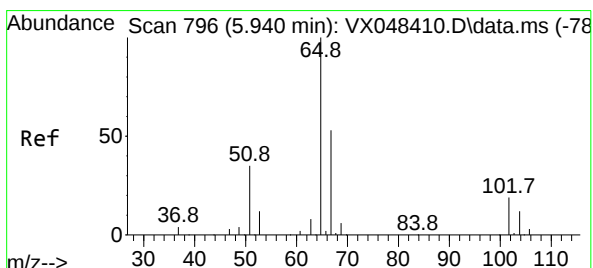
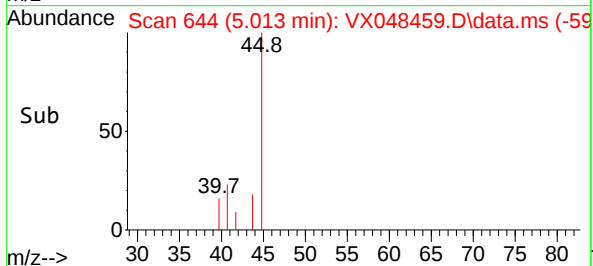
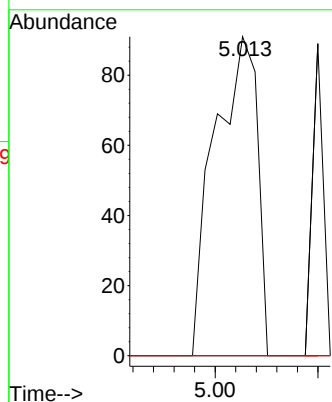
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 42	Resp: 132
Ion Ratio	Lower Upper
42	100
72	0.0 35.3 52.9#
71	0.0 32.2 48.4#



#33

1,2-Dichloroethane-d4

Concen: 53.696 ug/l

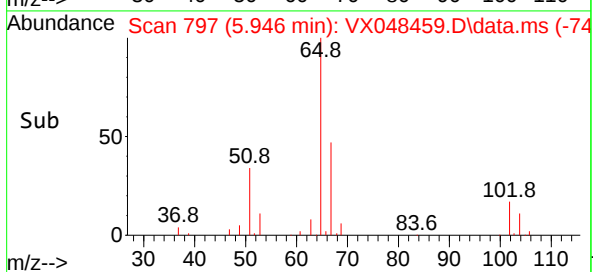
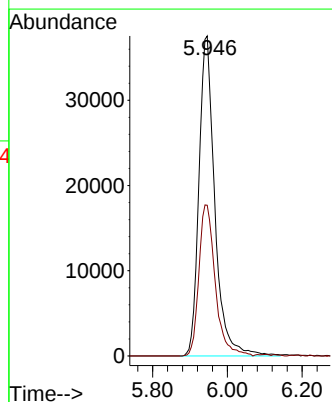
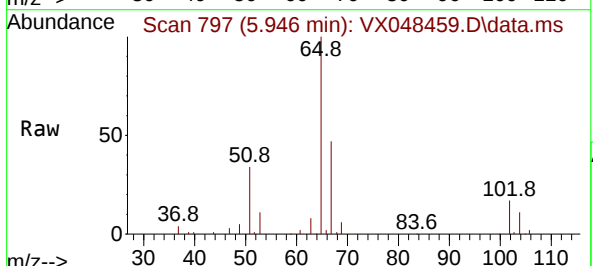
RT: 5.946 min Scan# 797

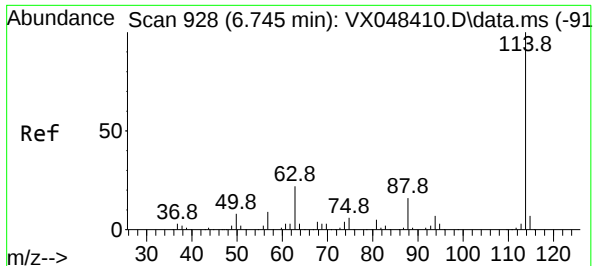
Delta R.T. 0.006 min

Lab File: VX048459.D

Acq: 03 Nov 2025 16:01

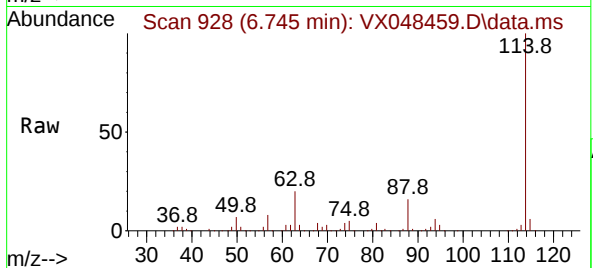
Tgt Ion: 65	Resp: 110542
Ion Ratio	Lower Upper
65	100
67	48.7 0.0 105.0



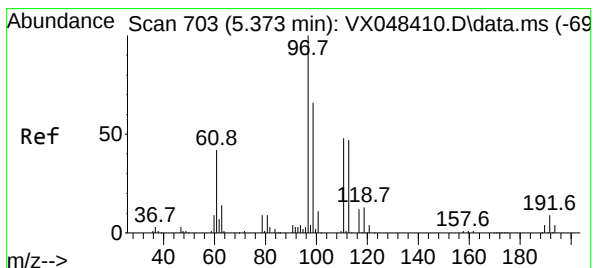
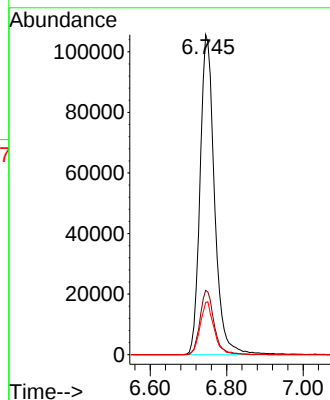
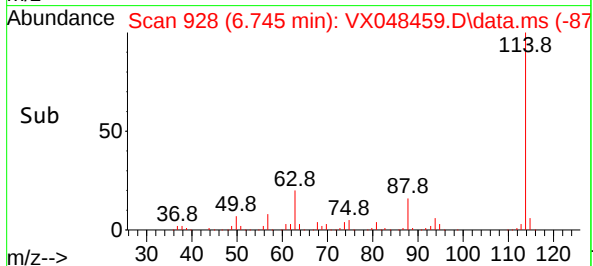


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

Instrument :
MSVOA_X
ClientSampleId :

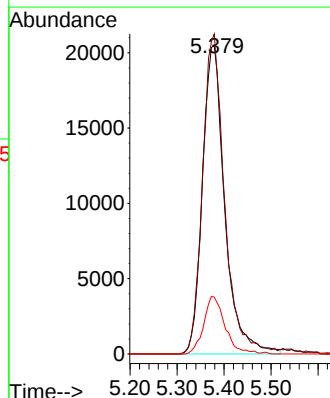
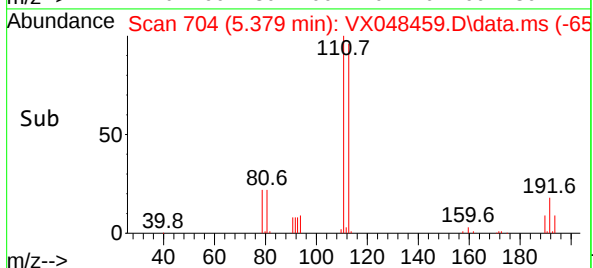
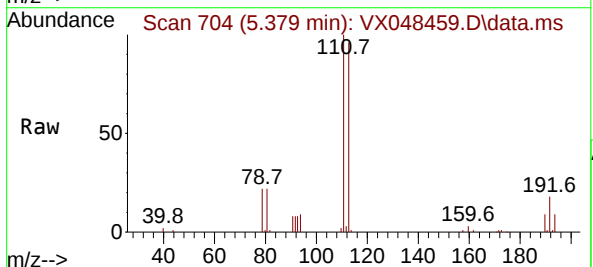


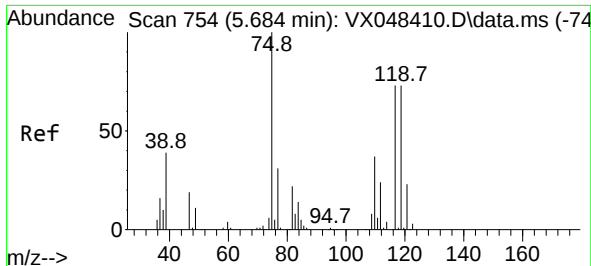
Tgt Ion:114 Resp: 277167
Ion Ratio Lower Upper
114 100
63 20.1 0.0 43.2
88 16.3 0.0 33.6



#35
Dibromofluoromethane
Concen: 42.887 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

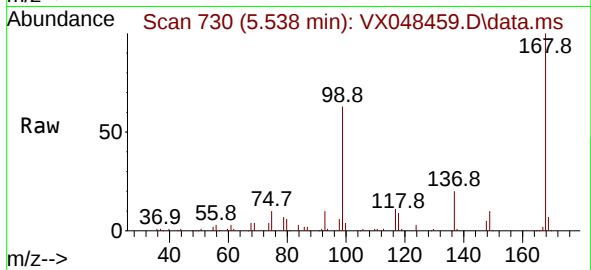
Tgt Ion:113 Resp: 67771
Ion Ratio Lower Upper
113 100
111 101.8 82.2 123.4
192 17.7 15.1 22.7



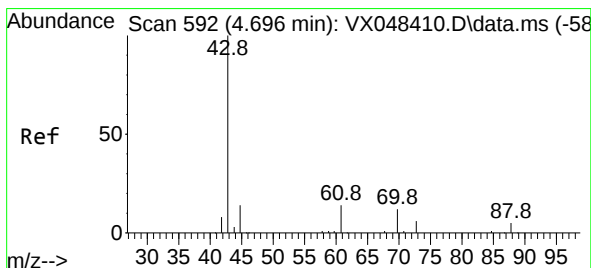
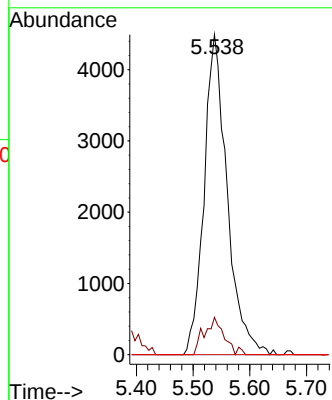
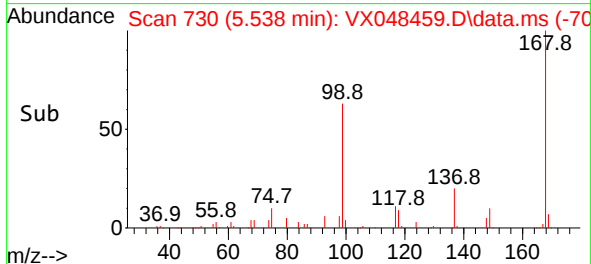


#36
1,1-Dichloropropene
Concen: 4.777 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

Instrument :
MSVOA_X
ClientSampleId :

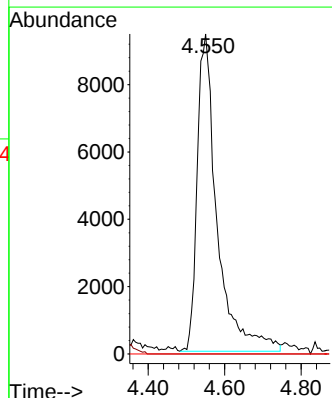
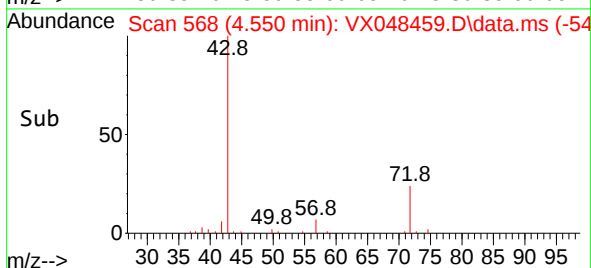
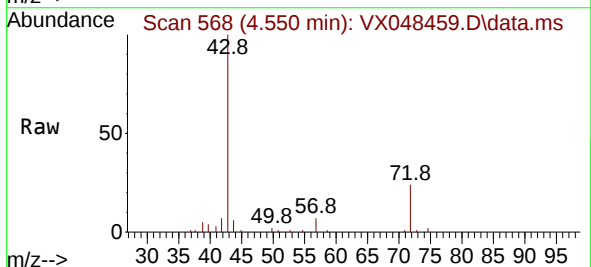


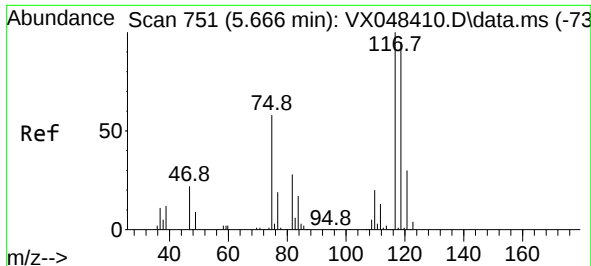
Tgt Ion: 75 Resp: 12677
Ion Ratio Lower Upper
75 100
110 9.6 17.7 53.1#
77 0.0 24.3 36.5#



#37
Ethyl Acetate
Concen: 15.032 ug/l
RT: 4.550 min Scan# 568
Delta R.T. -0.146 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

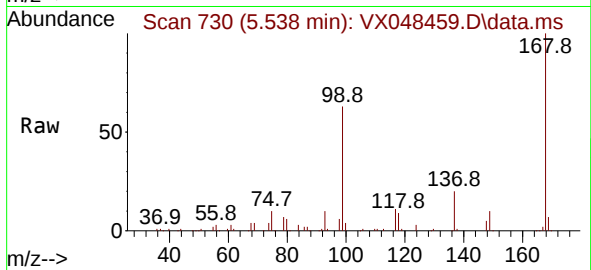
Tgt Ion: 43 Resp: 33986
Ion Ratio Lower Upper
43 100
61 0.0 10.6 15.8#
70 0.0 7.8 11.6#



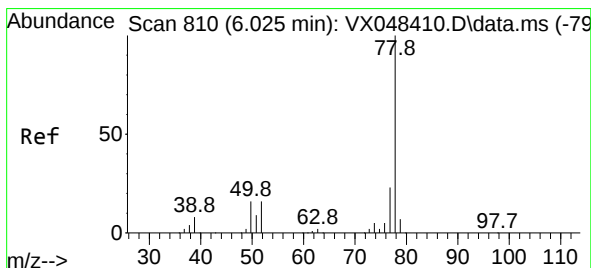
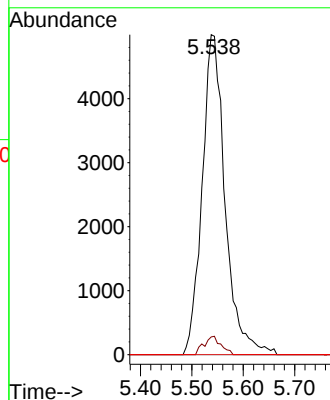
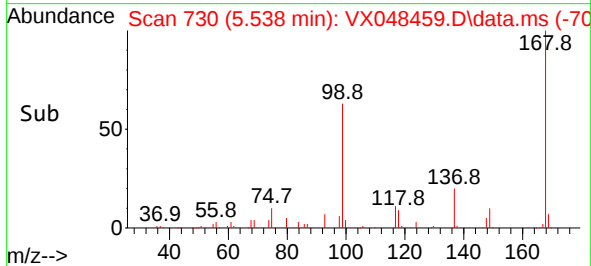


#38
Carbon Tetrachloride
Concen: 5.068 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

Instrument :
MSVOA_X
ClientSampleId :

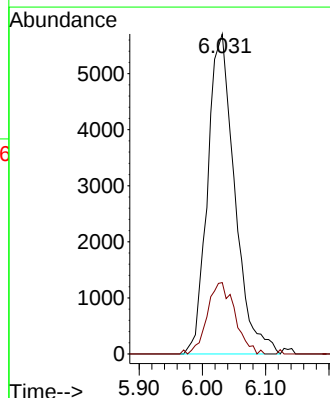
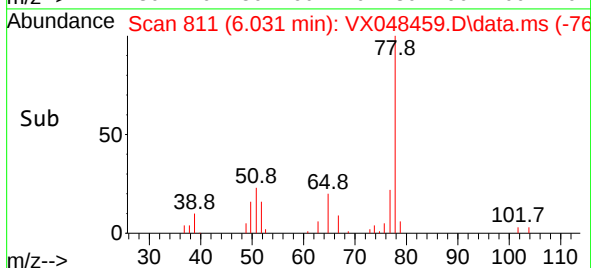
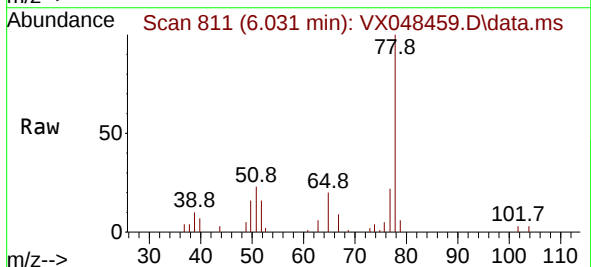


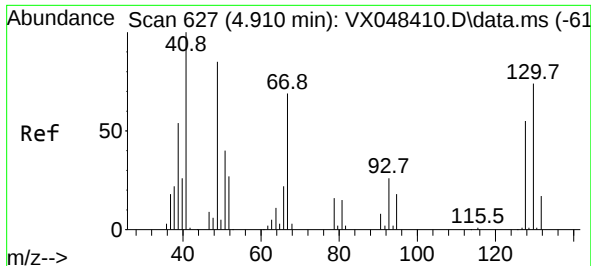
Tgt Ion:117 Resp: 15527
Ion Ratio Lower Upper
117 100
119 5.6 77.2 115.8#
121 0.0 24.8 37.2#



#40
Benzene
Concen: 2.097 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

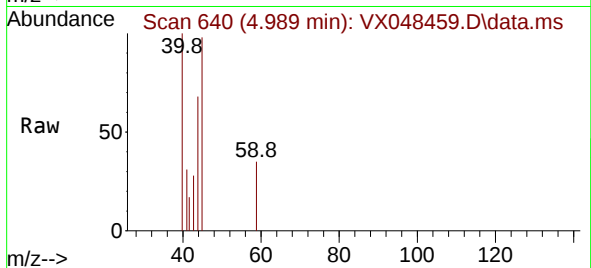
Tgt Ion: 78 Resp: 17001
Ion Ratio Lower Upper
78 100
77 22.3 19.3 28.9



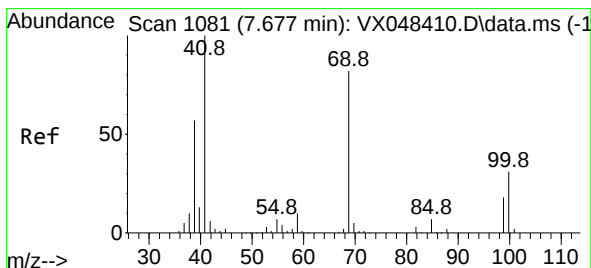
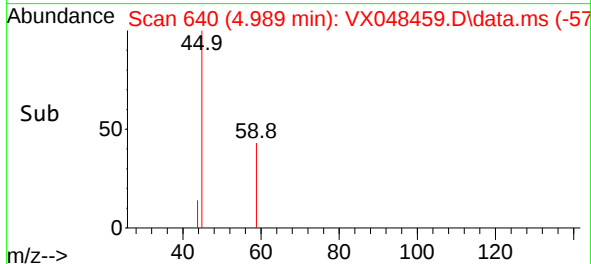
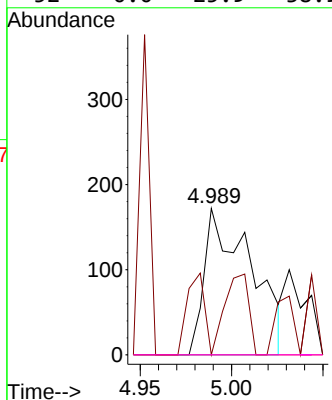


#41
Methacrylonitrile
Concen: 0.270 ug/l
RT: 4.989 min Scan# 64
Delta R.T. 0.079 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

Instrument :
MSVOA_X
ClientSampleId :

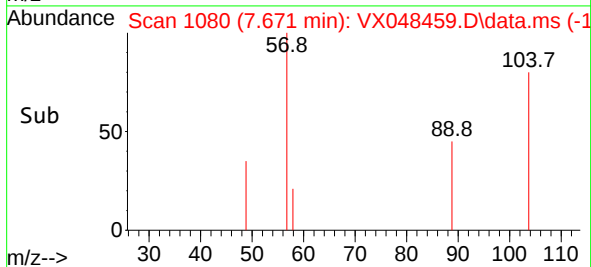
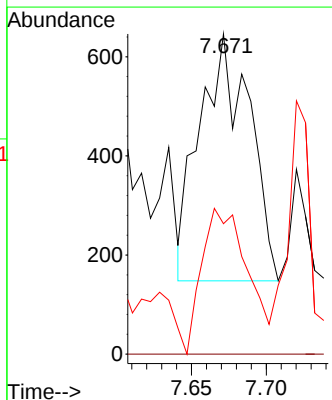
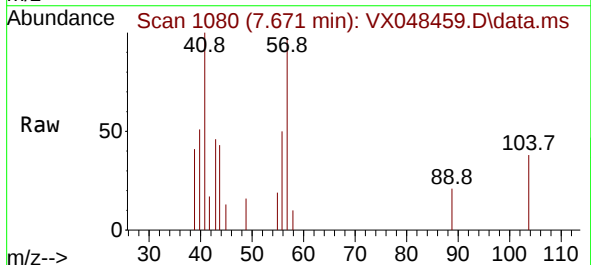


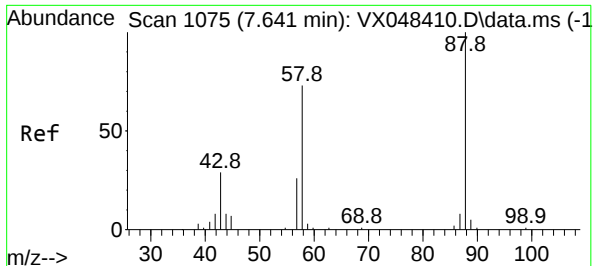
Tgt Ion: 41 Resp: 307
Ion Ratio Lower Upper
41 100
39 20.8 44.0 66.0#
67 0.0 58.7 88.1#
52 0.0 25.9 38.9#



#48
Methyl methacrylate
Concen: 0.635 ug/l
RT: 7.671 min Scan# 1080
Delta R.T. -0.006 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

Tgt Ion: 41 Resp: 1155
Ion Ratio Lower Upper
41 100
69 0.0 63.4 95.0#
39 54.1 47.1 70.7





#49

1,4-Dioxane

Concen: 1.257 ug/l

RT: 7.525 min Scan# 1075

Delta R.T. -0.116 min

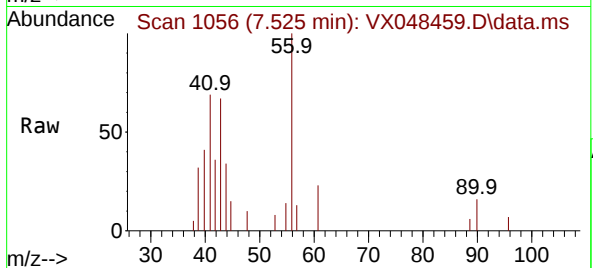
Lab File: VX048459.D

Acq: 03 Nov 2025 16:01

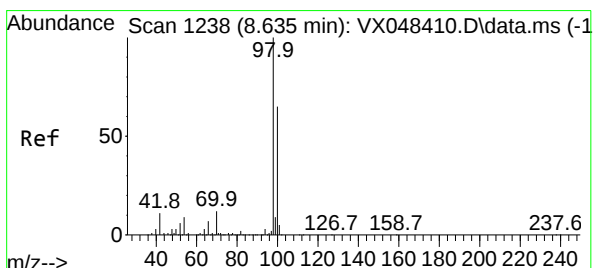
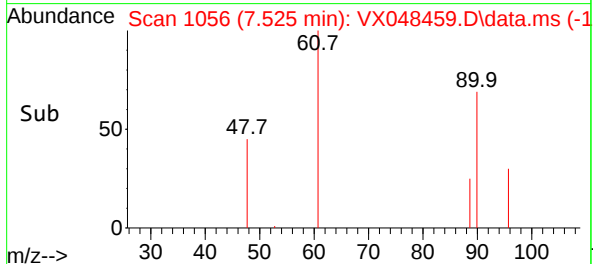
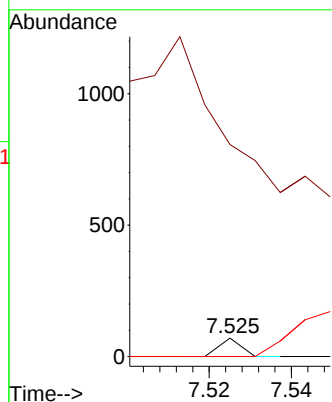
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	88	Resp:	26
Ion	Ratio	Lower	Upper
88	100		
43	0.0	35.0	52.4#
58	0.0	61.9	92.9#



#50

Toluene-d8

Concen: 40.703 ug/l

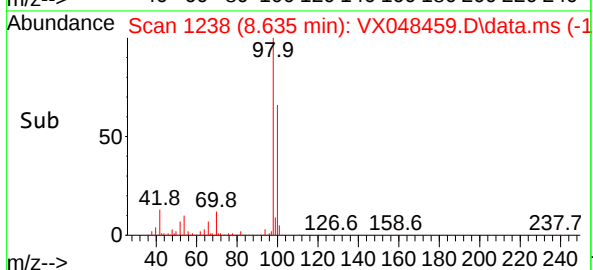
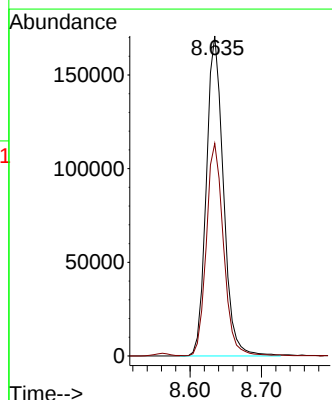
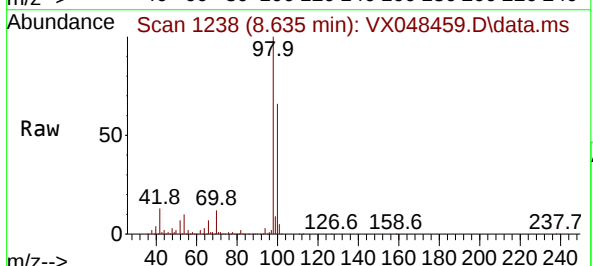
RT: 8.635 min Scan# 1238

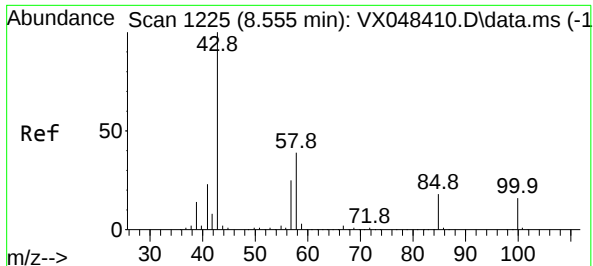
Delta R.T. 0.000 min

Lab File: VX048459.D

Acq: 03 Nov 2025 16:01

Tgt Ion:	98	Resp:	283926
Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.0	79.4





#51

4-Methyl-2-Pentanone

Concen: 7.746 ug/l

RT: 8.561 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX048459.D

Acq: 03 Nov 2025 16:01

Instrument :

MSVOA_X

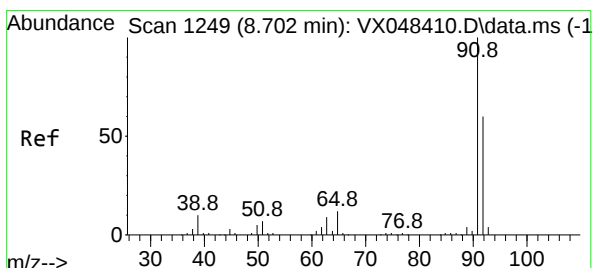
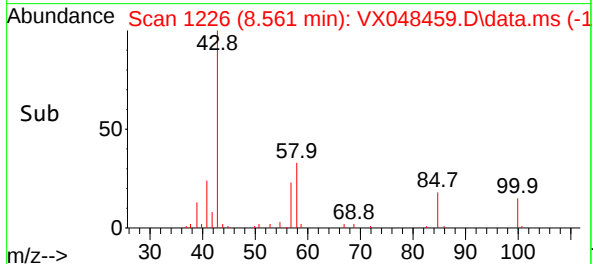
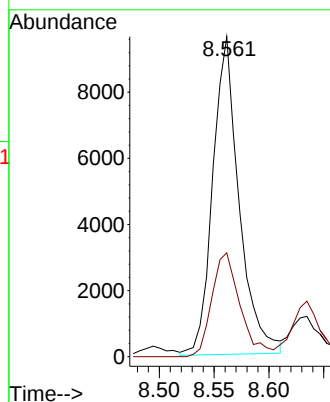
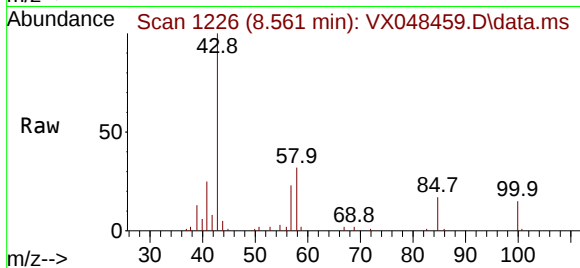
ClientSampleId :

Tgt Ion: 43 Resp: 16091

Ion Ratio Lower Upper

43 100

58 35.2 29.5 44.3



#52

Toluene

Concen: 2.393 ug/l

RT: 8.708 min Scan# 1250

Delta R.T. 0.006 min

Lab File: VX048459.D

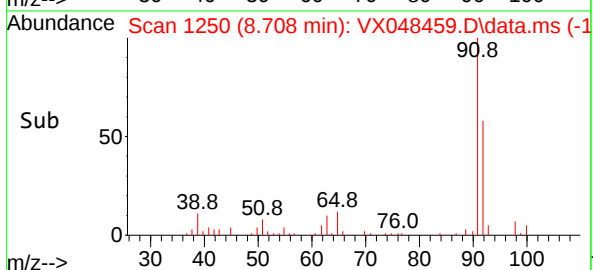
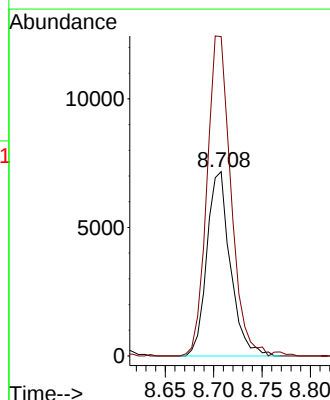
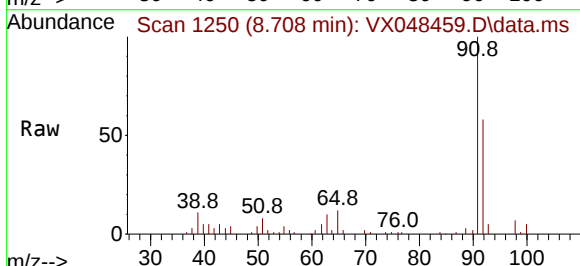
Acq: 03 Nov 2025 16:01

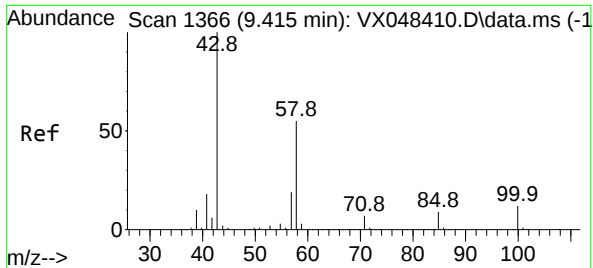
Tgt Ion: 92 Resp: 12123

Ion Ratio Lower Upper

92 100

91 177.2 136.1 204.1

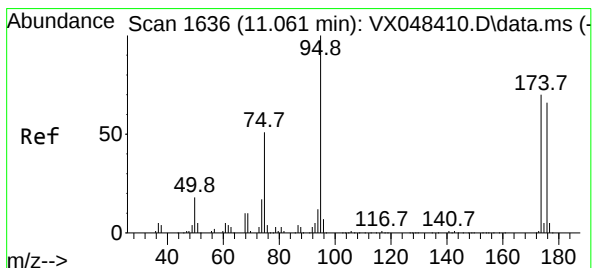
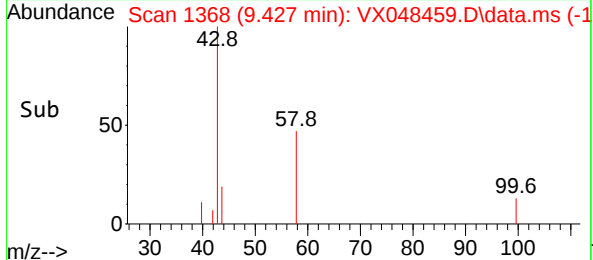
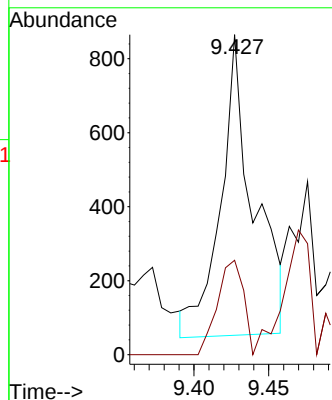
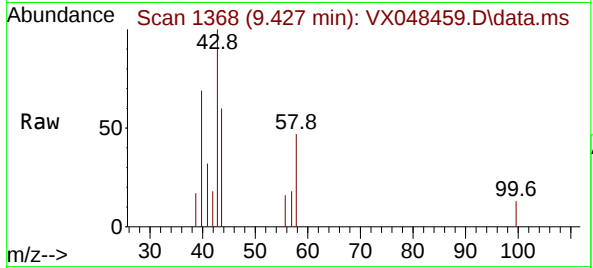




#59
2-Hexanone
Concen: 0.918 ug/l
RT: 9.427 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

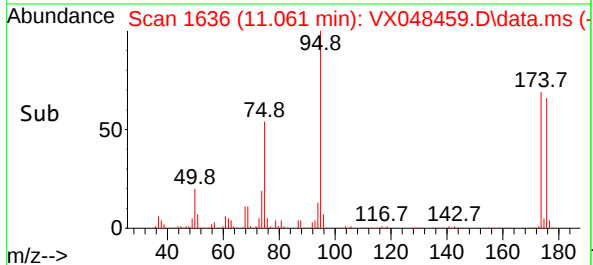
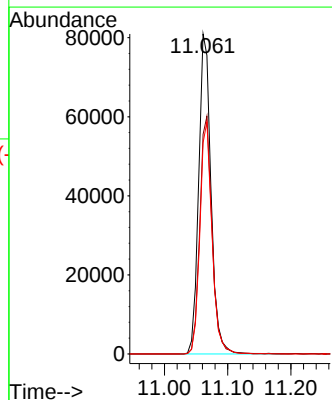
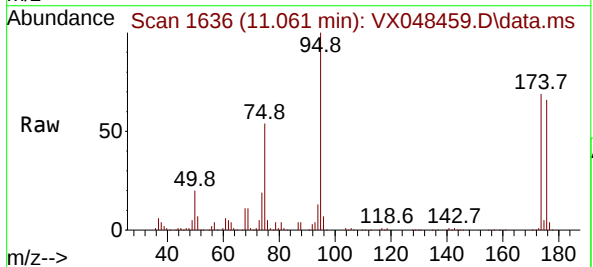
Instrument :
MSVOA_X
ClientSampleId :

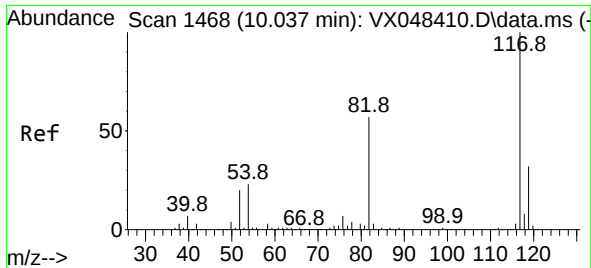
Tgt Ion: 43 Resp: 1241
Ion Ratio Lower Upper
43 100
58 24.9 26.3 78.8#



#62
4-Bromofluorobenzene
Concen: 42.032 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

Tgt Ion: 95 Resp: 109678
Ion Ratio Lower Upper
95 100
174 74.3 0.0 147.8
176 71.4 0.0 142.8

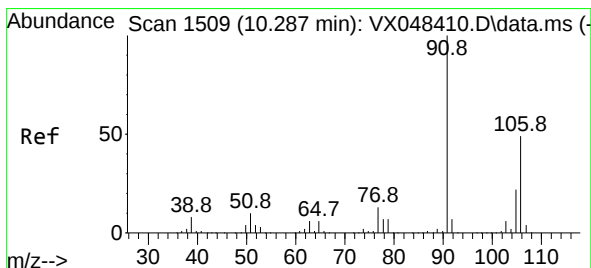
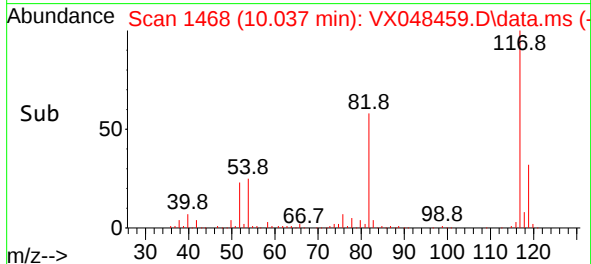
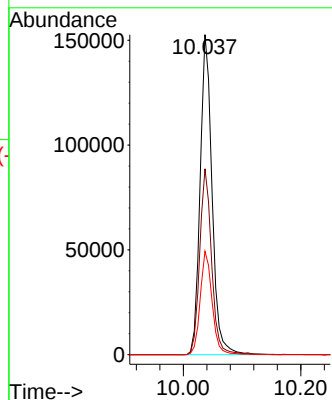
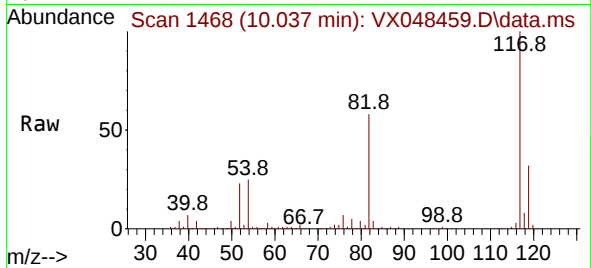




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

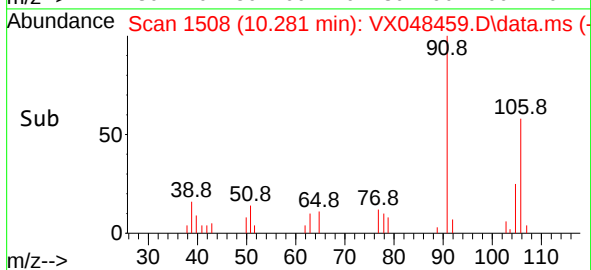
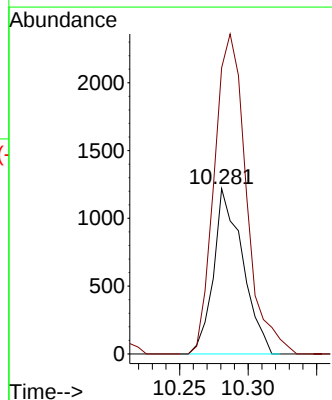
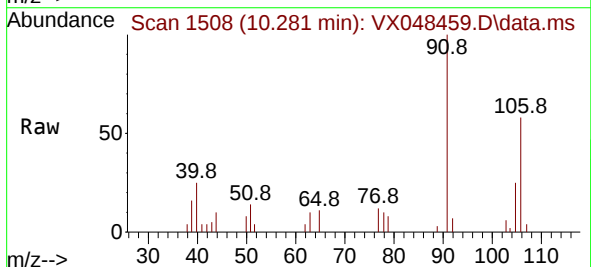
Instrument :
MSVOA_X
ClientSampleId :

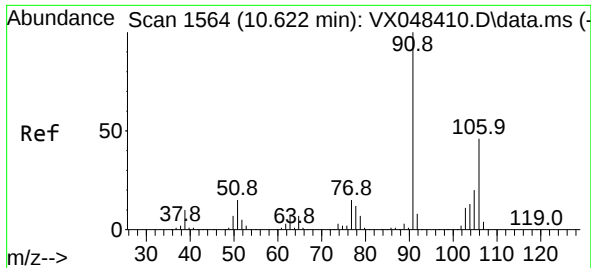
Tgt Ion:117 Resp: 215496
Ion Ratio Lower Upper
117 100
82 58.1 46.5 69.7
119 32.3 25.9 38.9



#68
m/p-Xylenes
Concen: 0.567 ug/l
RT: 10.281 min Scan# 1508
Delta R.T. -0.006 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

Tgt Ion:106 Resp: 1796
Ion Ratio Lower Upper
106 100
91 213.3 167.9 251.9

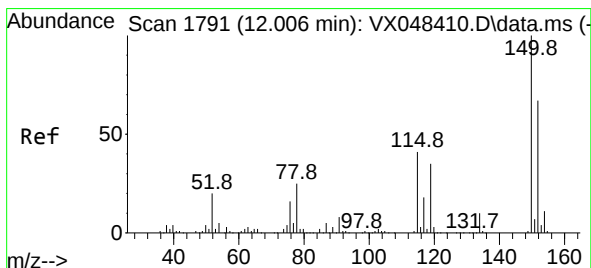
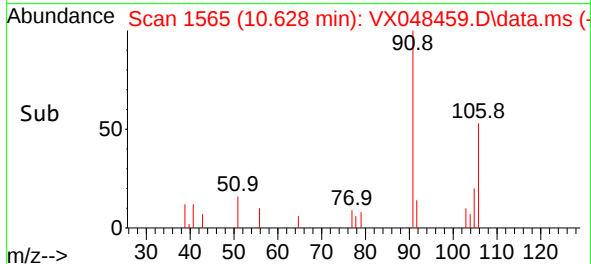
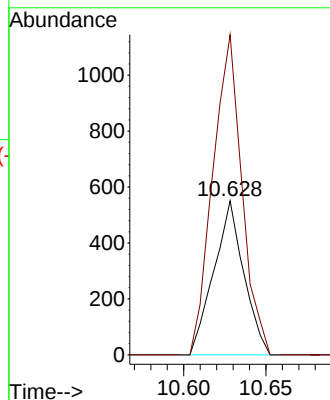
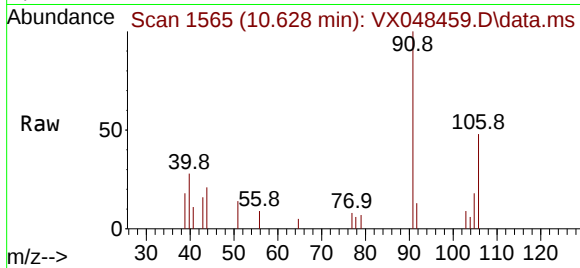




#69
o-Xylene
Concen: 0.231 ug/l
RT: 10.628 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

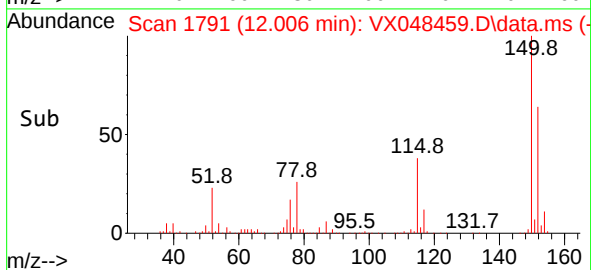
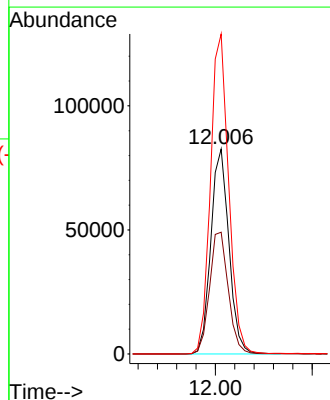
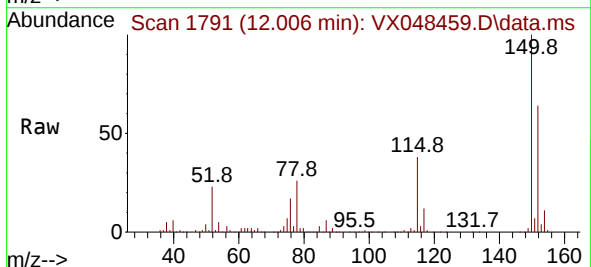
Instrument :
MSVOA_X
ClientSampleId :

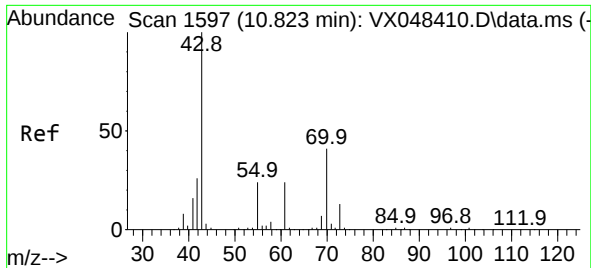
Tgt Ion:106 Resp: 698
Ion Ratio Lower Upper
106 100
91 201.7 111.3 333.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

Tgt Ion:152 Resp: 107527
Ion Ratio Lower Upper
152 100
115 61.6 43.1 129.4
150 157.4 0.0 353.0

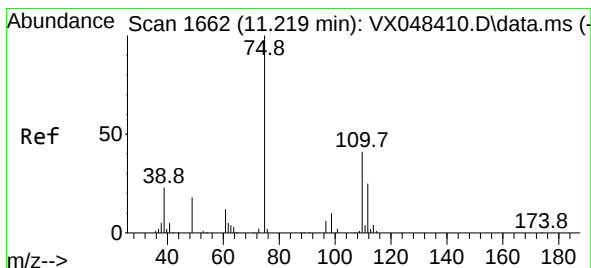
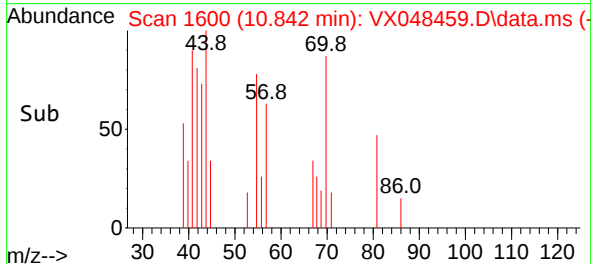
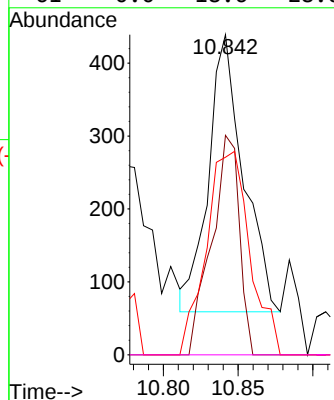
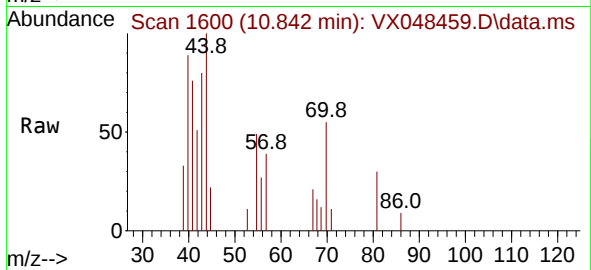




#74
N-amy1 acetate
Concen: 0.217 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.018 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

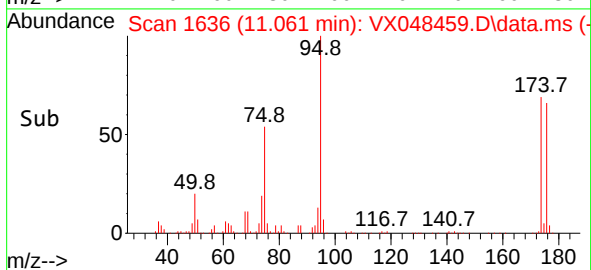
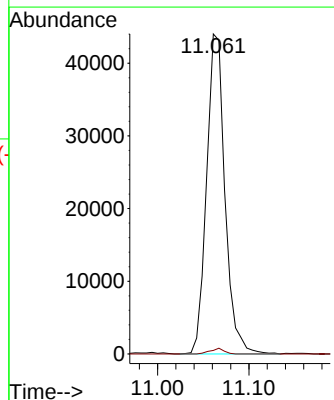
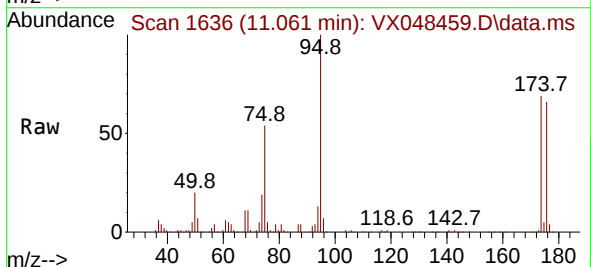
Instrument :
MSVOA_X
ClientSampleId :

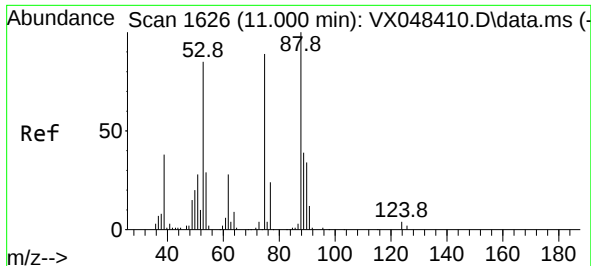
Tgt Ion: 43	Resp: 616
Ion Ratio	Lower Upper
43 100	
70 63.0	32.2 48.2#
55 91.7	19.1 28.7#
61 0.0	18.6 28.0#



#76
1,2,3-Trichloropropane
Concen: 39.731 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.158 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

Tgt Ion: 75	Resp: 61439
Ion Ratio	Lower Upper
75 100	
77 1.3	22.4 67.2#

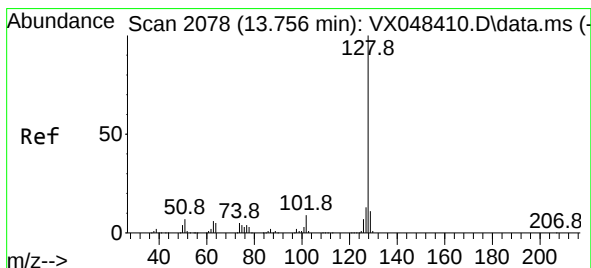
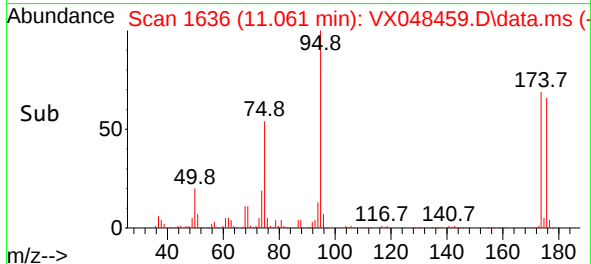
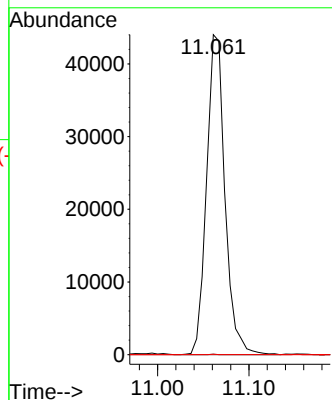
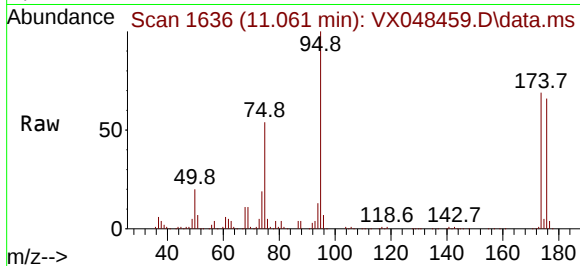




#81
trans-1,4-Dichloro-2-butene
Concen: 137.493 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 61439
Ion Ratio Lower Upper
75 100
53 0.1 79.5 119.3#
89 0.0 36.8 55.2#



#95
Naphthalene
Concen: 0.734 ug/l
RT: 13.762 min Scan# 2079
Delta R.T. 0.006 min
Lab File: VX048459.D
Acq: 03 Nov 2025 16:01

Tgt Ion:128 Resp: 4450
Ion Ratio Lower Upper
128 100
127 15.8 10.2 15.4#
129 9.8 8.6 12.8

