

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112025\
 Data File : VX048637.D
 Acq On : 20 Nov 2025 15:15
 Operator : JC/MD
 Sample : Q3685-01 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 4197

Quant Time: Nov 21 00:33:53 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

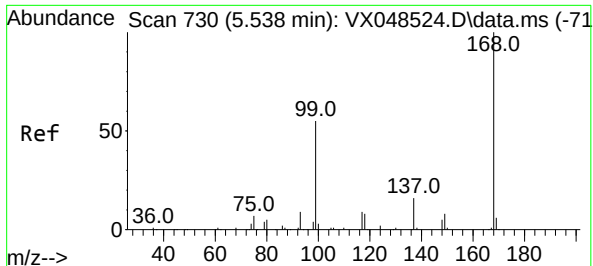
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.544	168	196012	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	396369	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	414483	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	221674	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	150052	54.938	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.880%	
35) Dibromofluoromethane	5.373	113	127877	42.626	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 85.260%	
50) Toluene-d8	8.635	98	459872	49.150	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.300%	
62) 4-Bromofluorobenzene	11.061	95	195739	56.137	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 112.280%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.947	59	2964	5.727	ug/l #	90
13) Acrolein	2.246	56	35	0.467	ug/l #	15
16) Acetone	2.374	43	10130	7.835	ug/l	92
18) Methyl Acetate	2.703	43	4349	1.224	ug/l #	86
31) Cyclohexane	5.544	56	4303	1.173	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	16159	4.023	ug/l #	50
37) Ethyl Acetate	4.721	43	2274	0.402	ug/l #	83
38) Carbon Tetrachloride	5.538	117	20497	4.482	ug/l #	17
76) 1,2,3-Trichloropropane	11.061	75	103304	19.344	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	103304	55.329	ug/l #	12

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

Quant Time: Nov 21 00:33:53 2025
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Quant Title : SW846 8260
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Response via : Initial Calibration

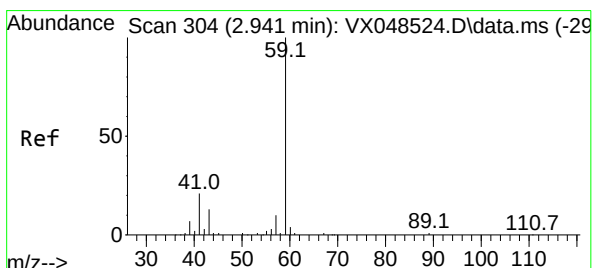
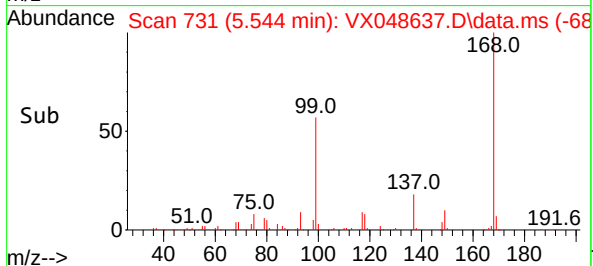
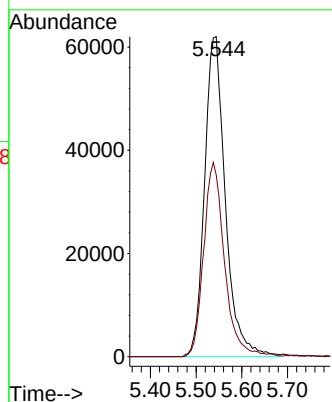
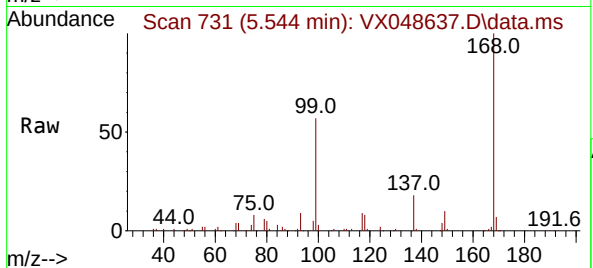




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX048637.D
Acq: 20 Nov 2025 15:15

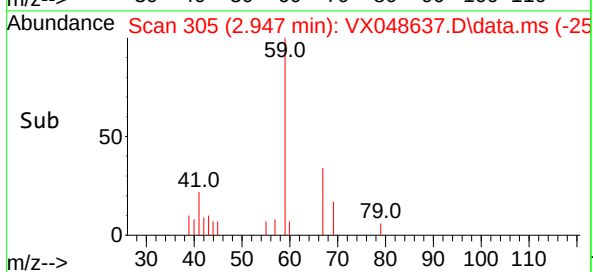
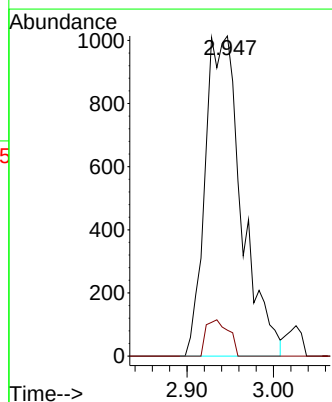
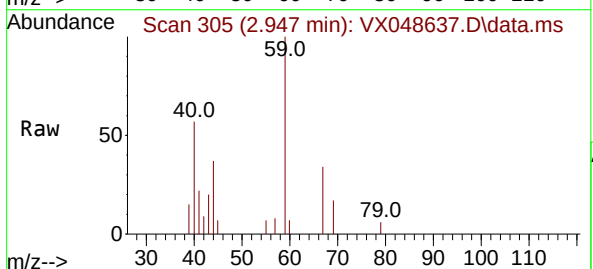
Instrument :
MSVOA_X
ClientSampleId :
4197

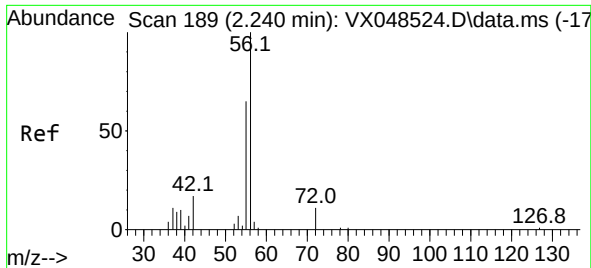
Tgt Ion:168 Resp: 196012
Ion Ratio Lower Upper
168 100
99 56.8 45.2 67.8



#11
Tert butyl alcohol
Concen: 5.727 ug/l
RT: 2.947 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX048637.D
Acq: 20 Nov 2025 15:15

Tgt Ion: 59 Resp: 2964
Ion Ratio Lower Upper
59 100
57 7.0 8.6 13.0#

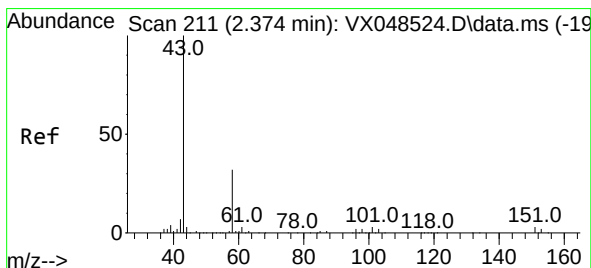
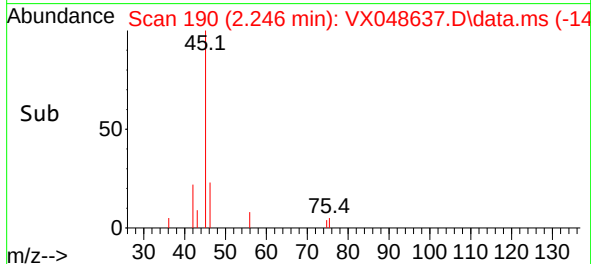
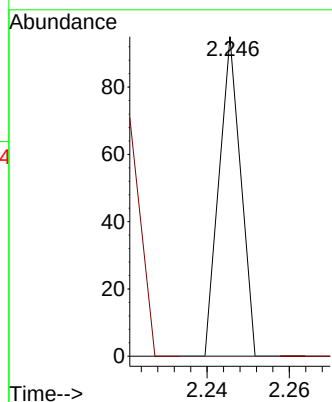
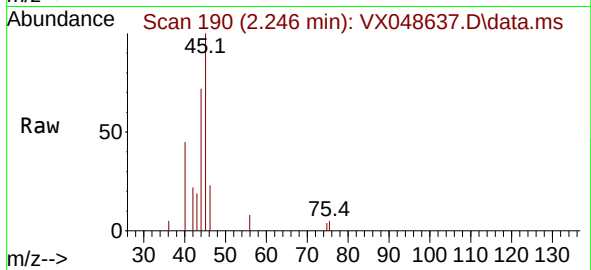




#13
Acrolein
Concen: 0.467 ug/l
RT: 2.246 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX048637.D
Acq: 20 Nov 2025 15:15

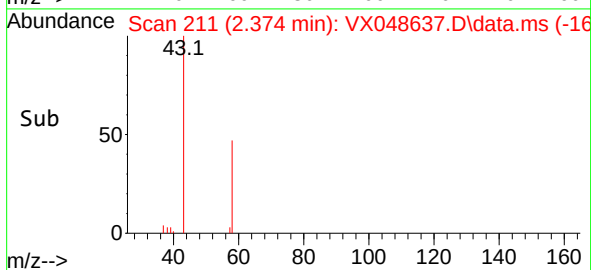
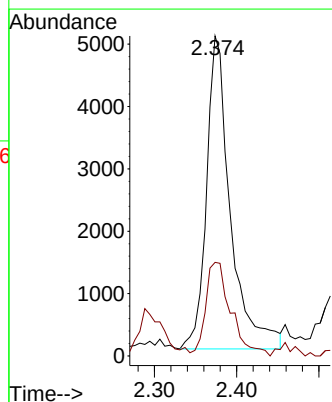
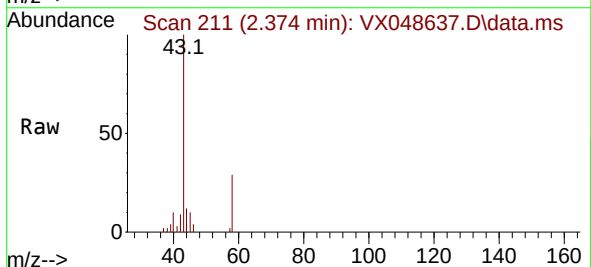
Instrument :
MSVOA_X
ClientSampleId :
4197

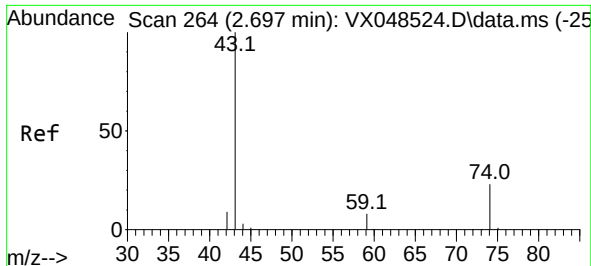
Tgt Ion: 56 Resp: 35
Ion Ratio Lower Upper
56 100
55 0.0 54.9 82.3#



#16
Acetone
Concen: 7.835 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048637.D
Acq: 20 Nov 2025 15:15

Tgt Ion: 43 Resp: 10130
Ion Ratio Lower Upper
43 100
58 27.9 25.8 38.6

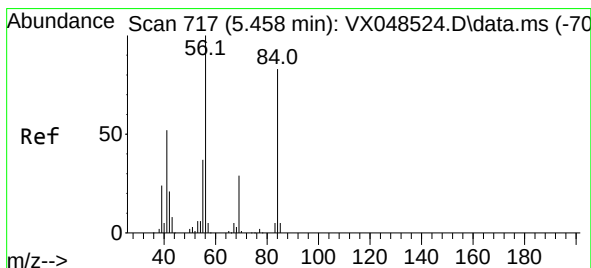
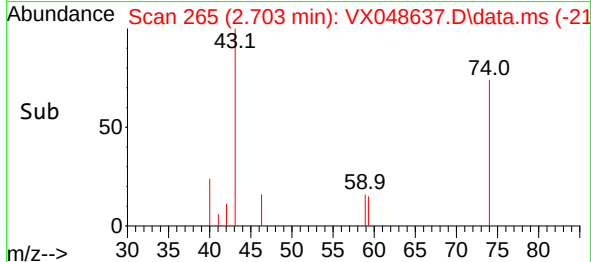
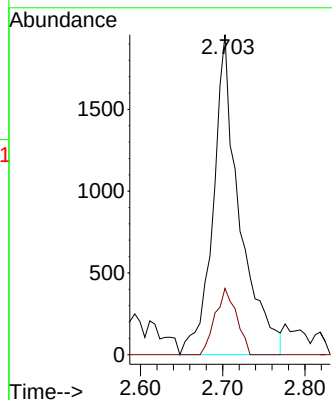
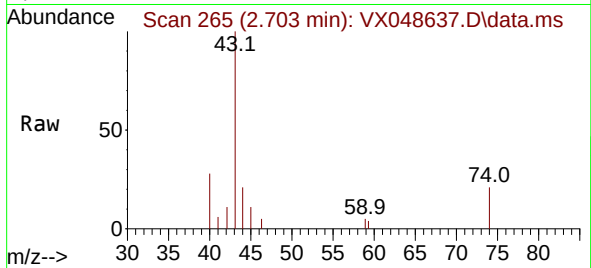




#18
Methyl Acetate
Concen: 1.224 ug/l
RT: 2.703 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048637.D
Acq: 20 Nov 2025 15:15

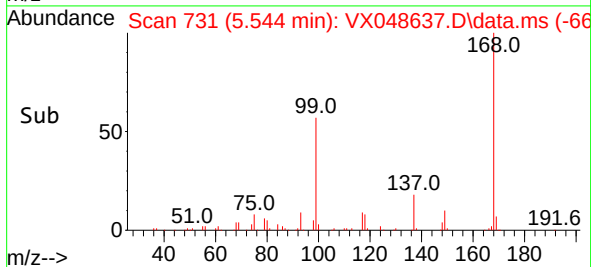
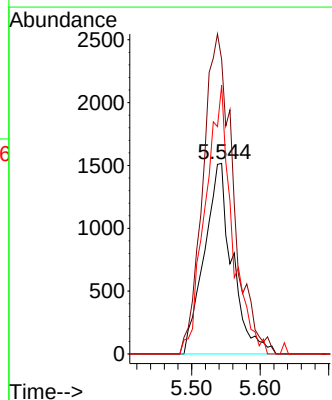
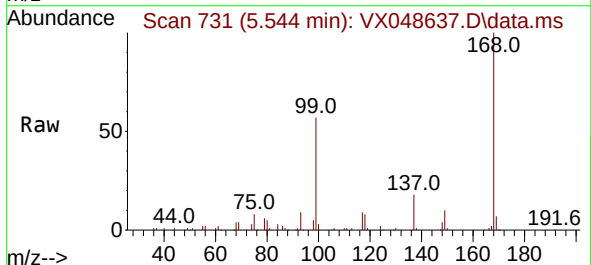
Instrument :
MSVOA_X
ClientSampleId :
4197

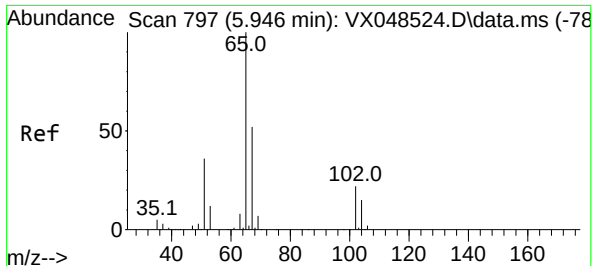
Tgt Ion: 43 Resp: 4349
Ion Ratio Lower Upper
43 100
74 16.8 19.1 28.7#



#31
Cyclohexane
Concen: 1.173 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.085 min
Lab File: VX048637.D
Acq: 20 Nov 2025 15:15

Tgt Ion: 56 Resp: 4303
Ion Ratio Lower Upper
56 100
69 154.6 23.4 35.2#
84 141.0 66.3 99.5#





#33

1,2-Dichloroethane-d4

Concen: 54.938 ug/l

RT: 5.940 min Scan# 797

Delta R.T. -0.006 min

Lab File: VX048637.D

Acq: 20 Nov 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

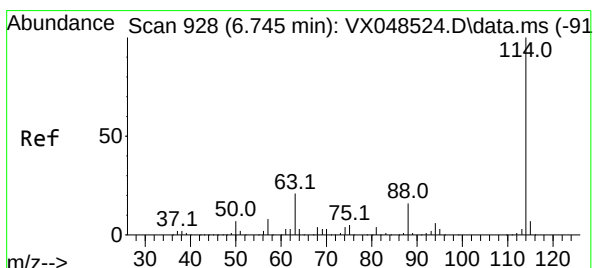
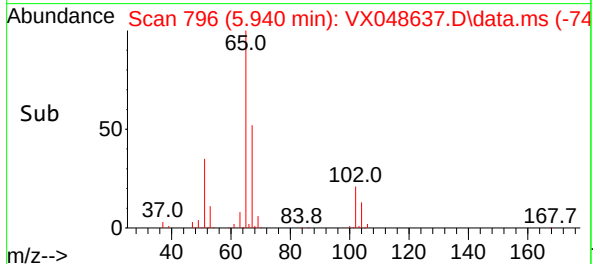
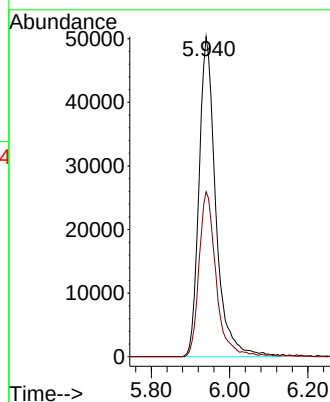
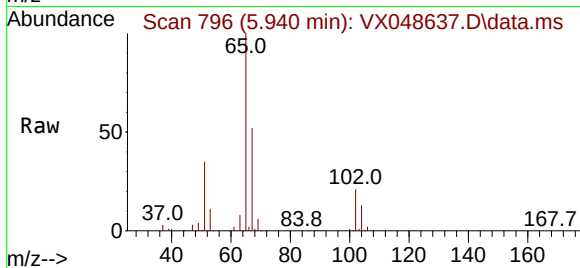
4197

Tgt Ion: 65 Resp: 150052

Ion Ratio Lower Upper

65 100

67 52.0 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048637.D

Acq: 20 Nov 2025 15:15

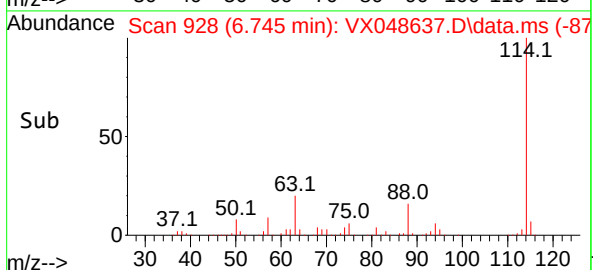
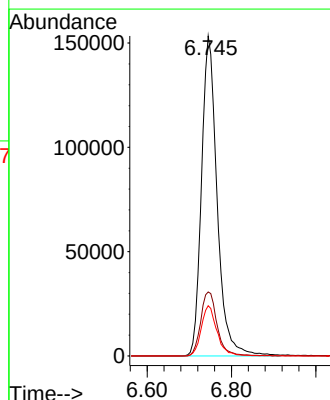
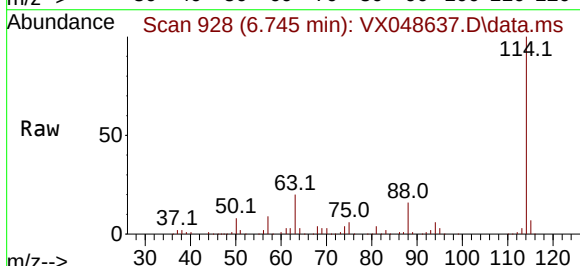
Tgt Ion: 114 Resp: 396369

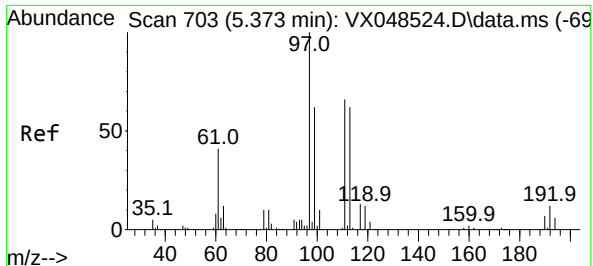
Ion Ratio Lower Upper

114 100

63 20.0 0.0 41.2

88 15.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 42.626 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048637.D

Acq: 20 Nov 2025 15:15

Instrument :

MSVOA_X

ClientSampleId :

4197

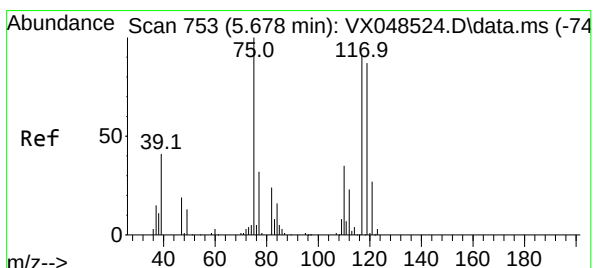
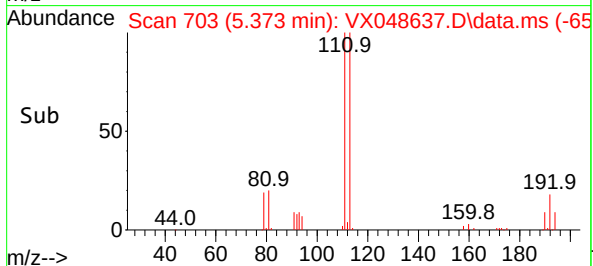
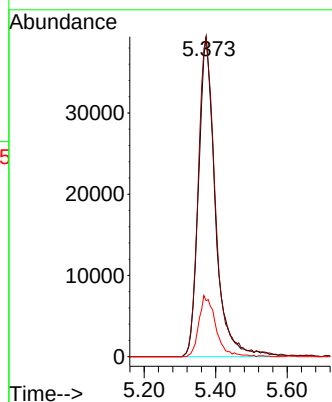
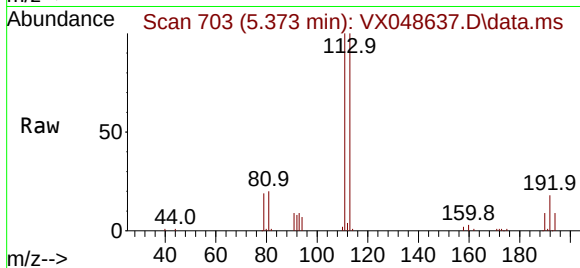
Tgt Ion:113 Resp: 127877

Ion Ratio Lower Upper

113 100

111 101.4 81.9 122.9

192 19.3 15.8 23.6



#36

1,1-Dichloropropene

Concen: 4.023 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.140 min

Lab File: VX048637.D

Acq: 20 Nov 2025 15:15

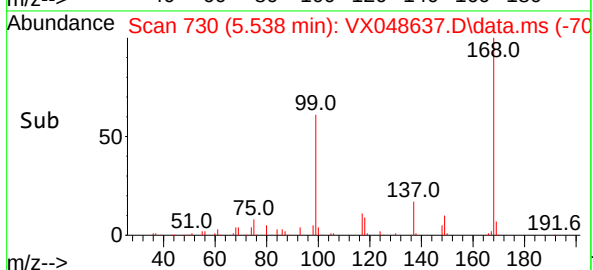
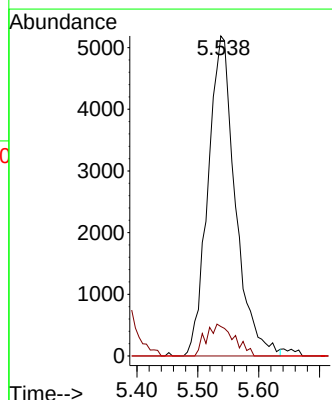
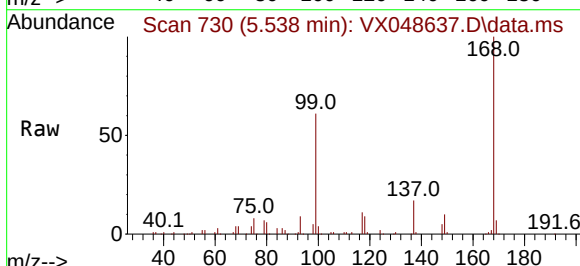
Tgt Ion: 75 Resp: 16159

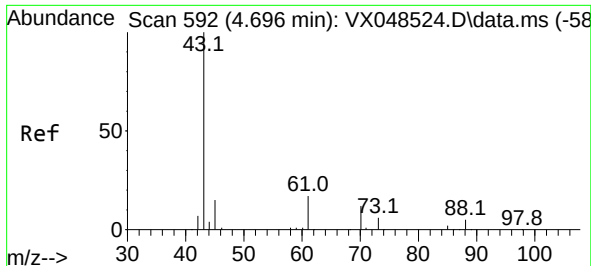
Ion Ratio Lower Upper

75 100

110 10.2 18.4 55.4#

77 0.0 24.6 37.0#

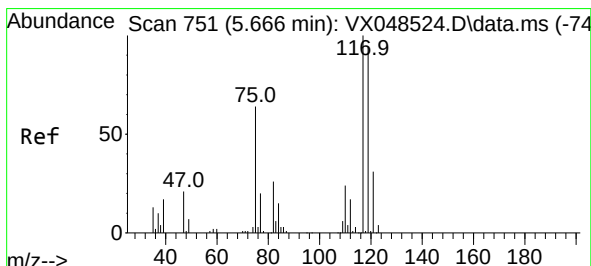
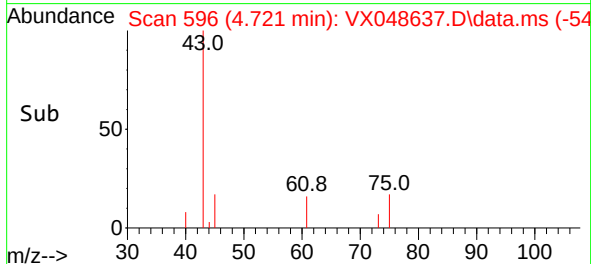
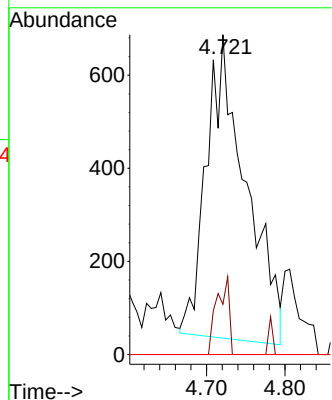
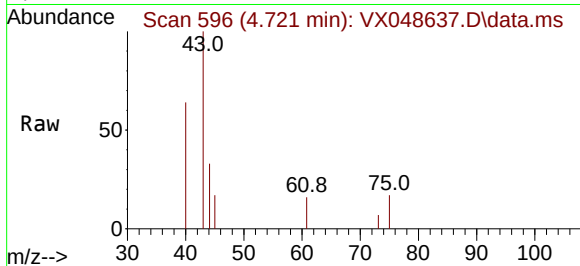




#37
Ethyl Acetate
Concen: 0.402 ug/l
RT: 4.721 min Scan# 592
Delta R.T. 0.024 min
Lab File: VX048637.D
Acq: 20 Nov 2025 15:15

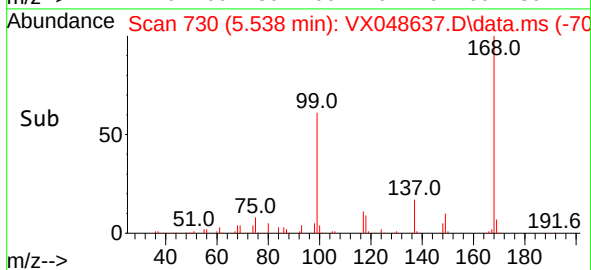
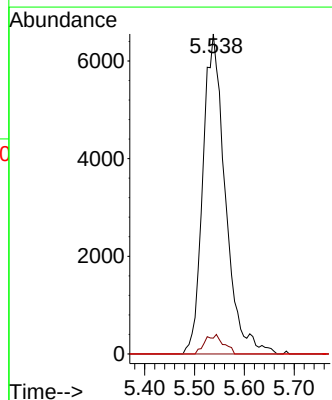
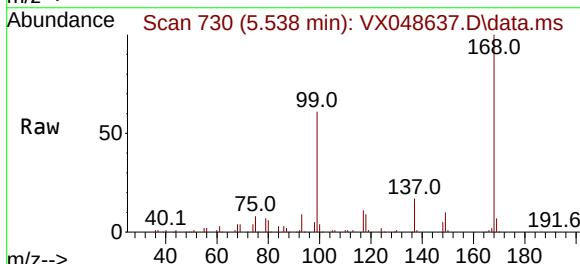
Instrument :
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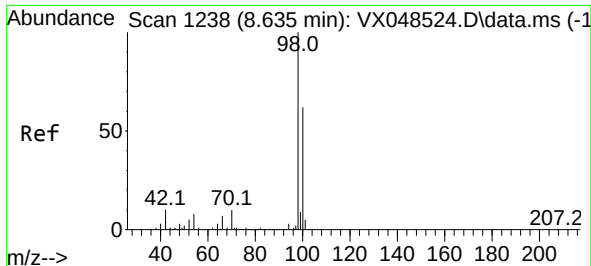
Tgt Ion: 43 Resp: 2274
Ion Ratio Lower Upper
43 100
61 8.0 9.7 14.5#
70 0.0 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 4.482 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.128 min
Lab File: VX048637.D
Acq: 20 Nov 2025 15:15

Tgt Ion: 117 Resp: 20497
Ion Ratio Lower Upper
117 100
119 4.9 74.5 111.7#
121 0.0 24.8 37.2#

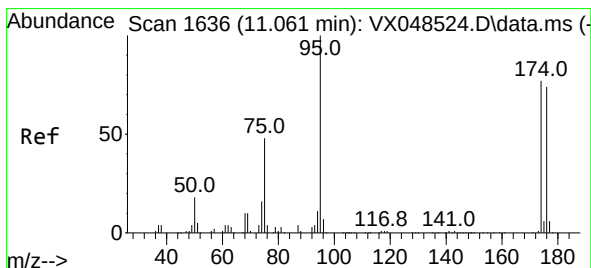
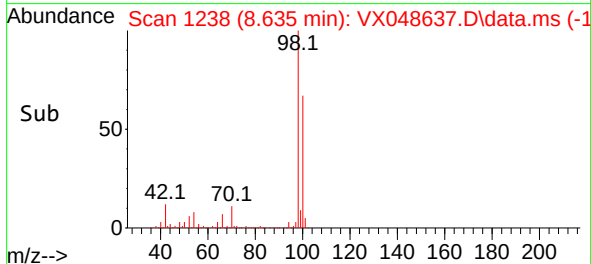
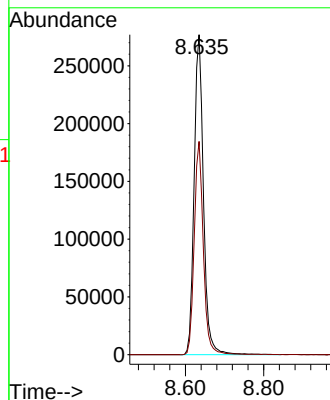
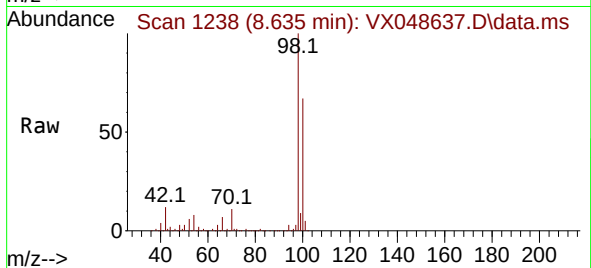




#50
Toluene-d8
Concen: 49.150 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048637.D
Acq: 20 Nov 2025 15:15

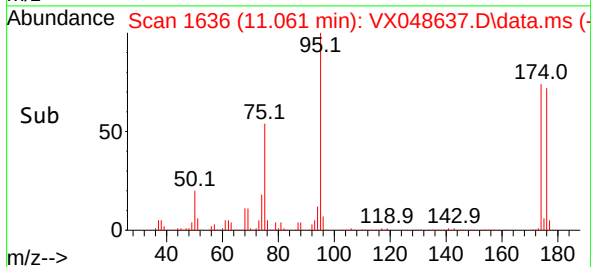
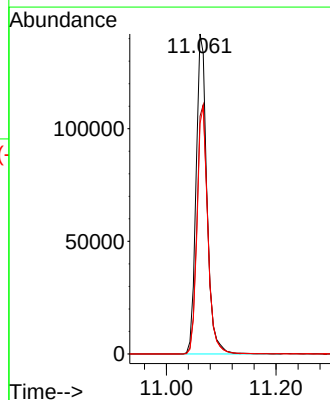
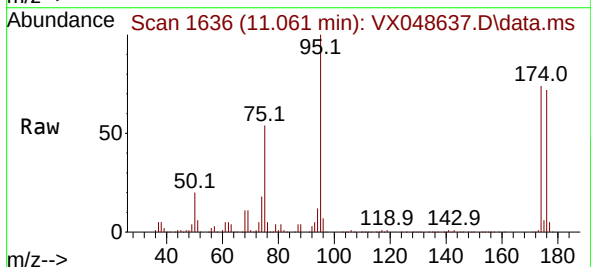
Instrument :
MSVOA_X
ClientSampleId :
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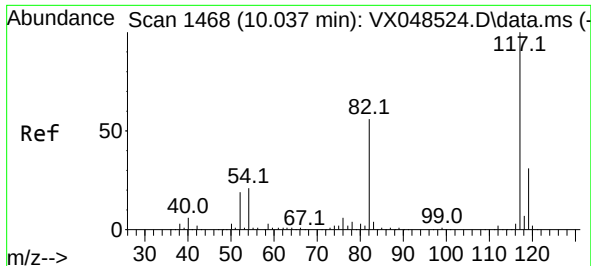
Tgt Ion: 98 Resp: 459872
Ion Ratio Lower Upper
98 100
100 65.1 53.6 80.4



#62
4-Bromofluorobenzene
Concen: 56.137 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048637.D
Acq: 20 Nov 2025 15:15

Tgt Ion: 95 Resp: 195739
Ion Ratio Lower Upper
95 100
174 78.7 0.0 161.8
176 76.8 0.0 153.6

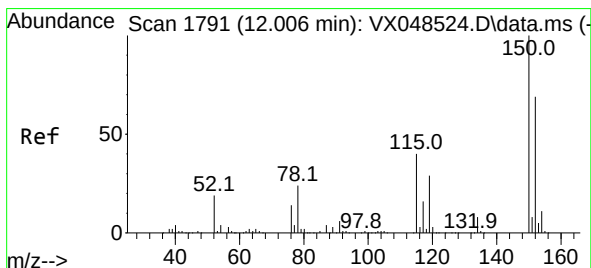
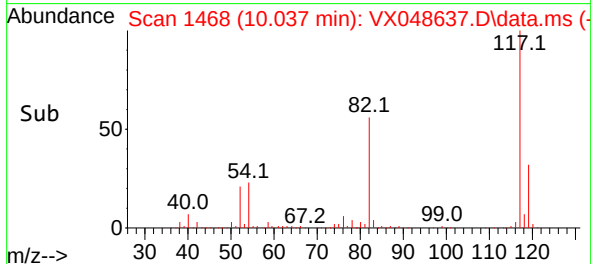
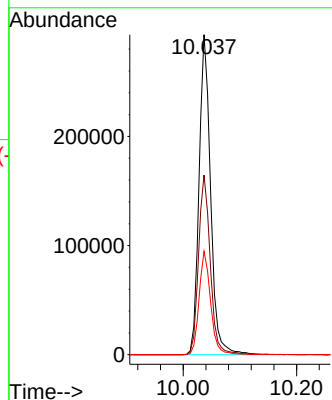
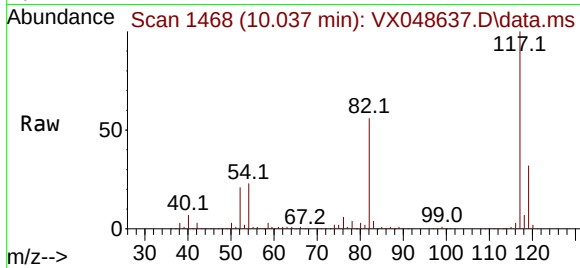




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048637.D
Acq: 20 Nov 2025 15:15

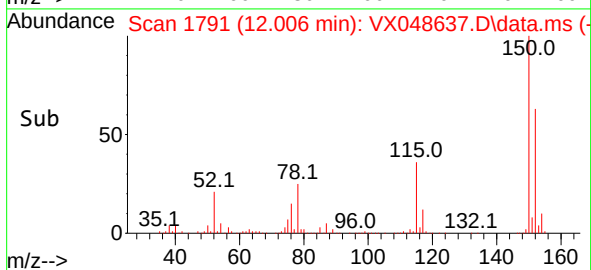
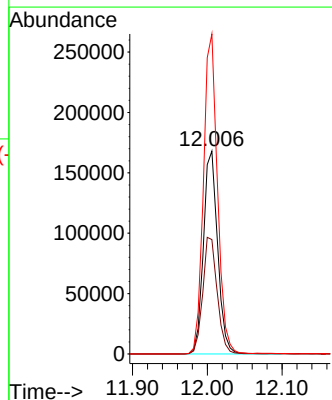
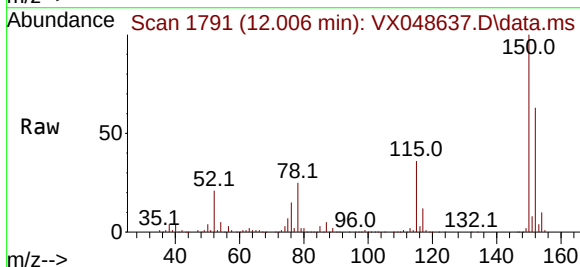
Instrument :
MSVOA_X
ClientSampleId :
4197

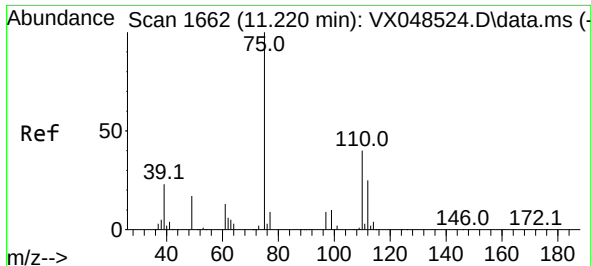
Tgt Ion:117 Resp: 414483
Ion Ratio Lower Upper
117 100
82 56.2 44.4 66.6
119 32.3 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048637.D
Acq: 20 Nov 2025 15:15

Tgt Ion:152 Resp: 221674
Ion Ratio Lower Upper
152 100
115 58.5 39.2 117.6
150 155.2 0.0 347.0

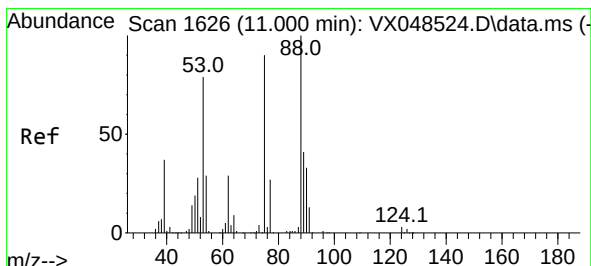
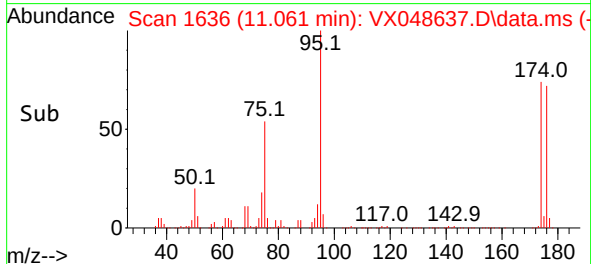
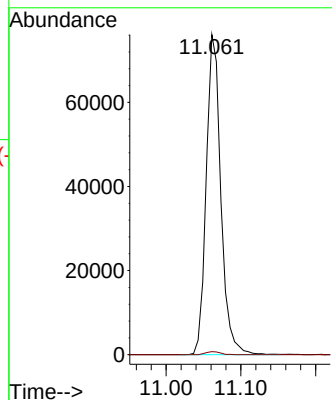
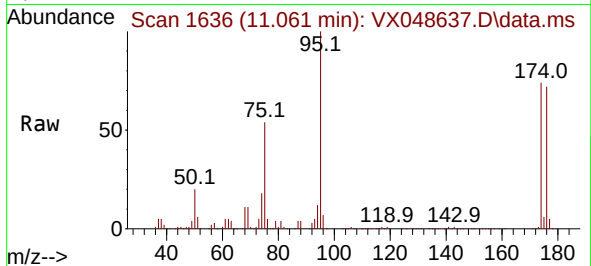




#76
1,2,3-Trichloropropane
Concen: 19.344 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048637.D
Acq: 20 Nov 2025 15:15

Instrument :
MSVOA_X
ClientSampleId :
4197

Tgt Ion: 75 Resp: 103304
Ion Ratio Lower Upper
75 100
77 0.9 24.3 72.8#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.329 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX048637.D
Acq: 20 Nov 2025 15:15

Tgt Ion: 75 Resp: 103304
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 43.6 65.4#

