

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
 Data File : VX048812.D
 Acq On : 10 Dec 2025 15:32
 Operator : JC/MD
 Sample : Q3787-19RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OW-02B-21.2-120425

Quant Time: Dec 11 00:24:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X120425W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 05 03:27:34 2025
 Response via : Initial Calibration

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

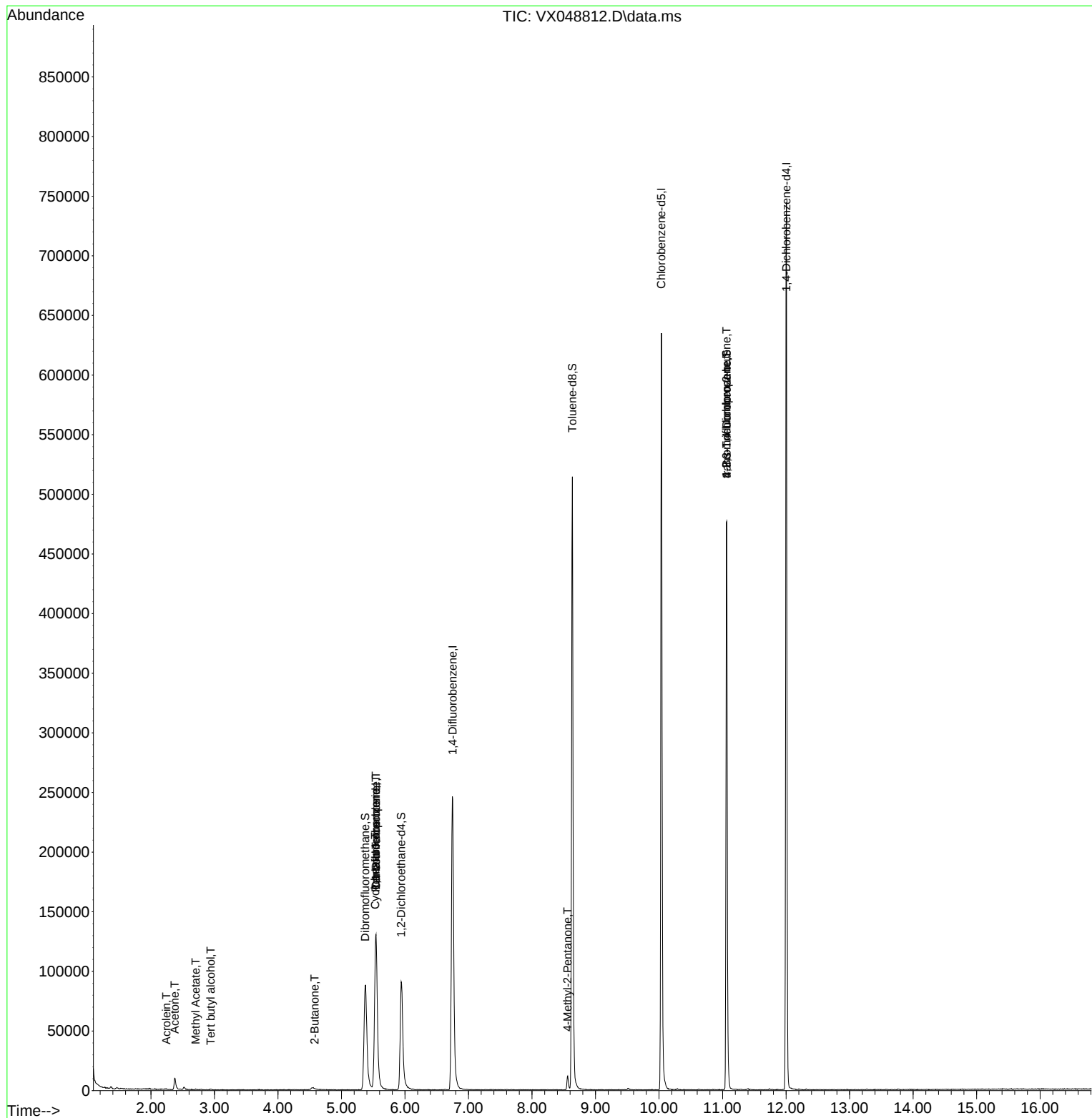
Internal Standards						
1) Pentafluorobenzene	5.538	168	138008	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	284336	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	306079	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	165546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	99469	53.700	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.400%			
35) Dibromofluoromethane	5.373	113	92123	47.055	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.120%			
50) Toluene-d8	8.635	98	321012	46.777	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.560%			
62) 4-Bromofluorobenzene	11.061	95	143570	60.669	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 121.340%			
Target Compounds						Qvalue
11) Tert butyl alcohol	2.941	59	222	0.742	ug/l #	73
13) Acrolein	2.239	56	53	40.331	ug/l #	15
16) Acetone	2.374	43	13881	19.575	ug/l	95
18) Methyl Acetate	2.703	43	736	0.369	ug/l #	82
25) 2-Butanone	4.574	43	1746	1.668	ug/l #	76
31) Cyclohexane	5.532	56	2625	1.049	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	10509	3.919	ug/l #	49
38) Carbon Tetrachloride	5.544	117	13918	4.582	ug/l #	15
51) 4-Methyl-2-Pentanone	8.562	43	8113	2.694	ug/l	95
76) 1,2,3-Trichloropropane	11.061	75	70048	22.718	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	70048	53.965	ug/l #	3
95) Naphthalene	13.762	128	536	Below Cal	#	78

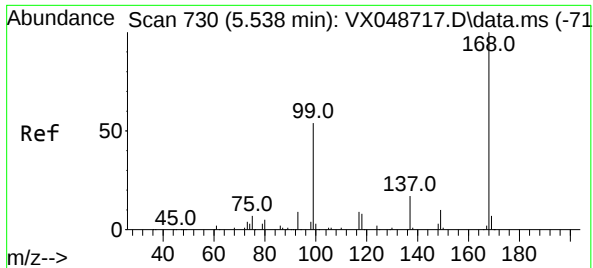
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Dec 05 03:27:34 2025
Response via : Initial Calibration

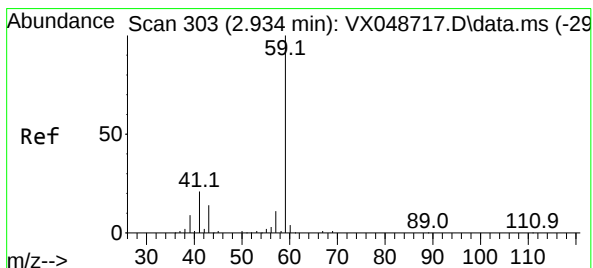
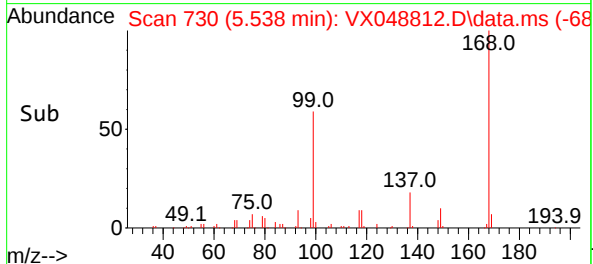
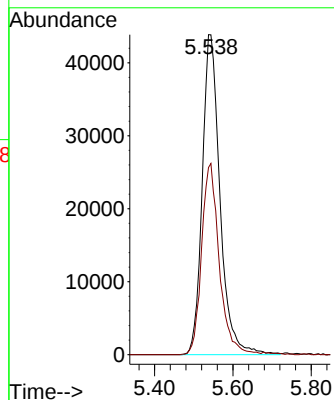
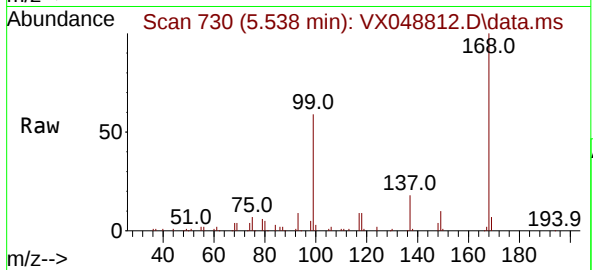




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

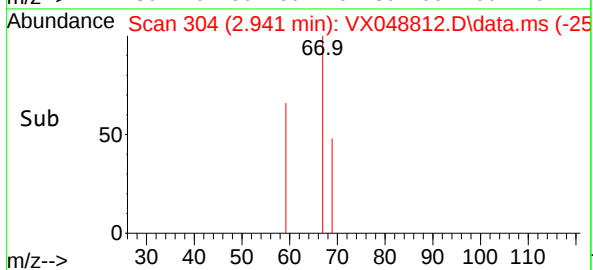
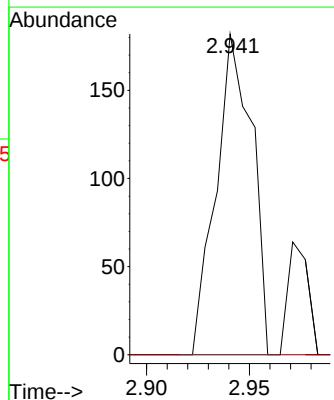
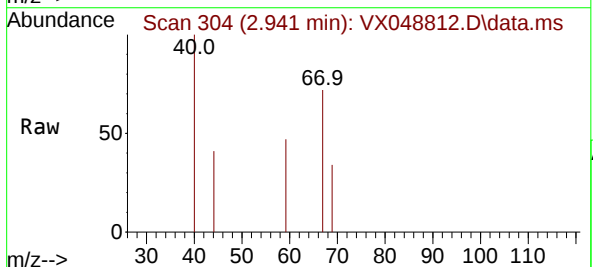
Instrument :
MSVOA_X
ClientSampleId :
OW-02B-21.2-120425

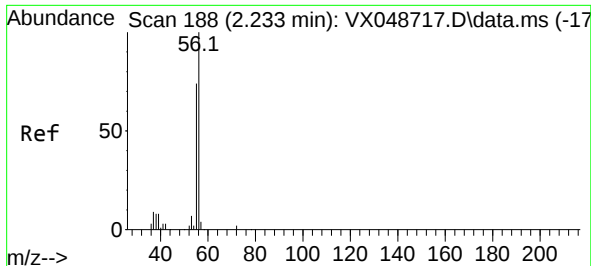
Tgt Ion:168 Resp: 138008
Ion Ratio Lower Upper
168 100
99 58.5 44.2 66.4



#11
Tert butyl alcohol
Concen: 0.742 ug/l
RT: 2.941 min Scan# 304
Delta R.T. 0.006 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

Tgt Ion: 59 Resp: 222
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

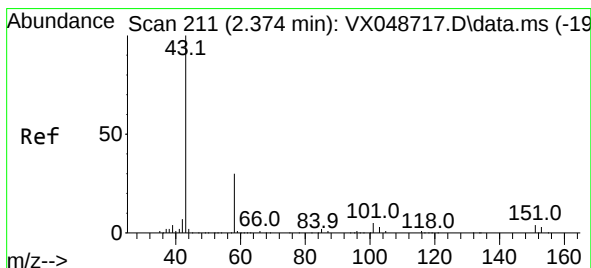
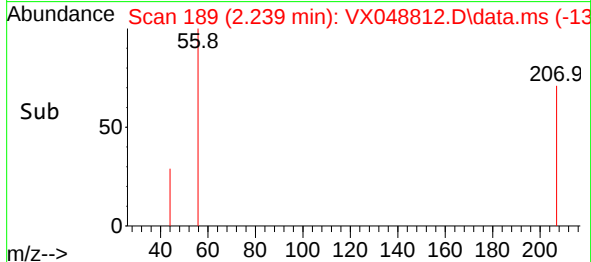
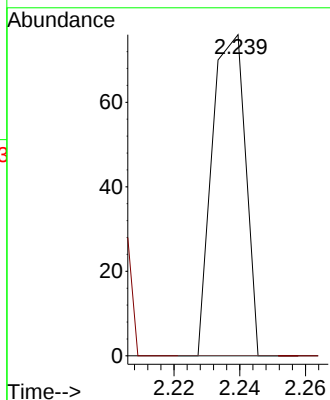
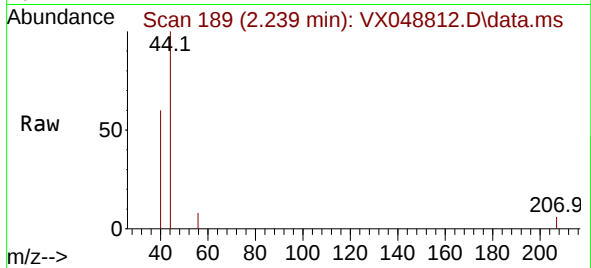




#13
Acrolein
Concen: 40.331 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.006 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

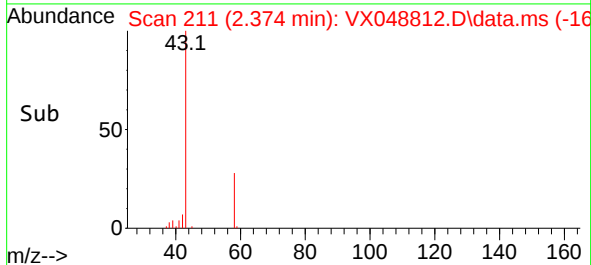
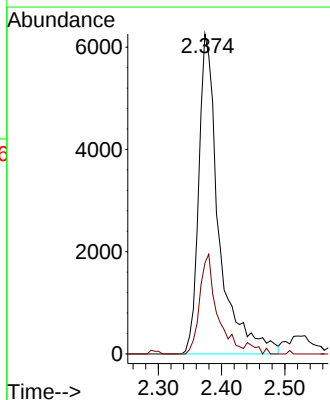
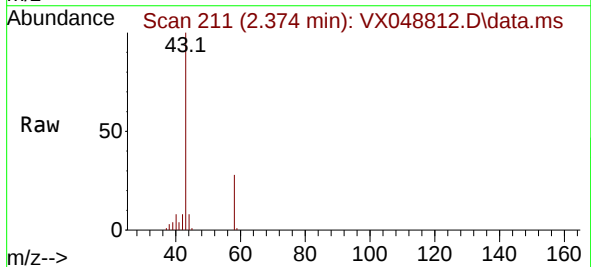
Instrument :
MSVOA_X
ClientSampleId :
OW-02B-21.2-120425

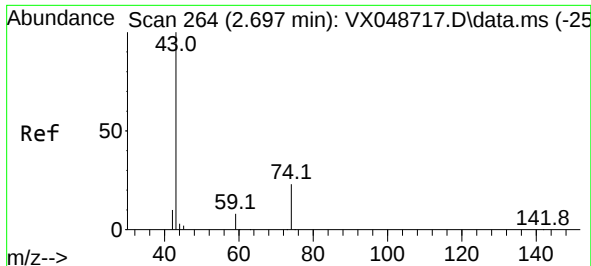
Tgt Ion: 56 Resp: 53
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.6#



#16
Acetone
Concen: 19.575 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

Tgt Ion: 43 Resp: 13881
Ion Ratio Lower Upper
43 100
58 28.4 25.0 37.4

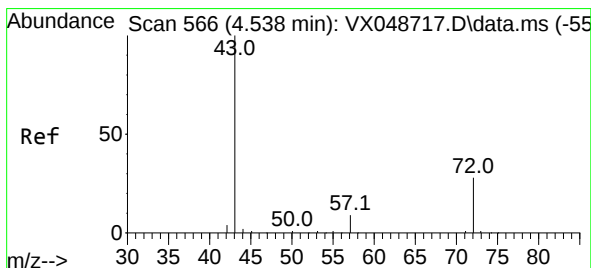
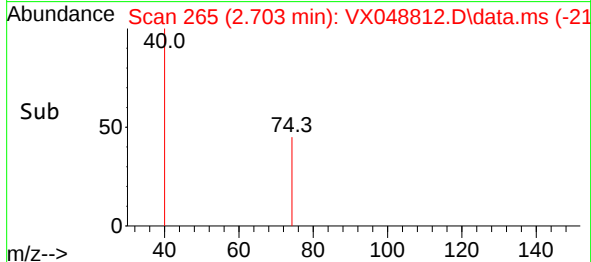
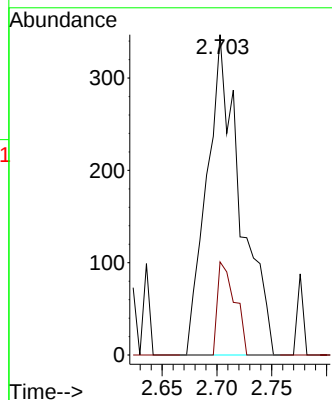
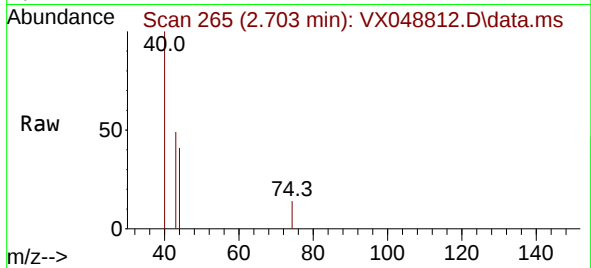




#18
Methyl Acetate
Concen: 0.369 ug/l
RT: 2.703 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

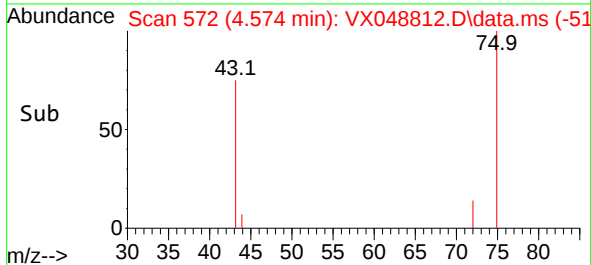
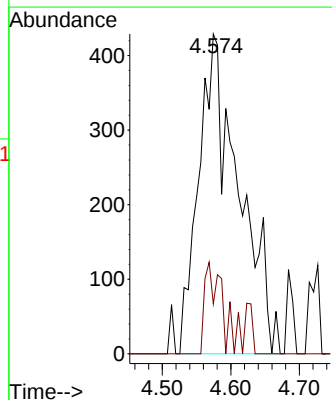
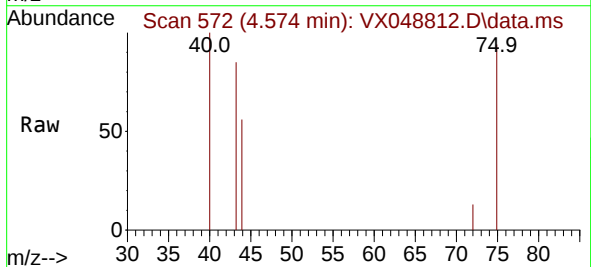
Instrument :
MSVOA_X
ClientSampleId :
OW-02B-21.2-120425

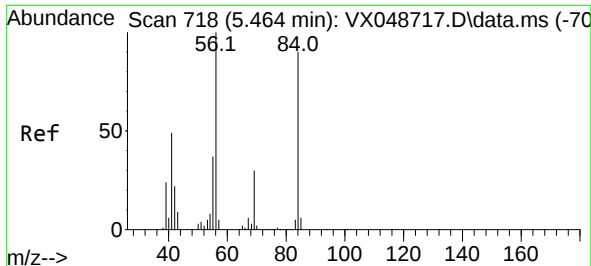
Tgt Ion: 43 Resp: 736
Ion Ratio Lower Upper
43 100
74 15.1 19.2 28.8#



#25
2-Butanone
Concen: 1.668 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.037 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

Tgt Ion: 43 Resp: 1746
Ion Ratio Lower Upper
43 100
72 15.6 22.6 34.0#

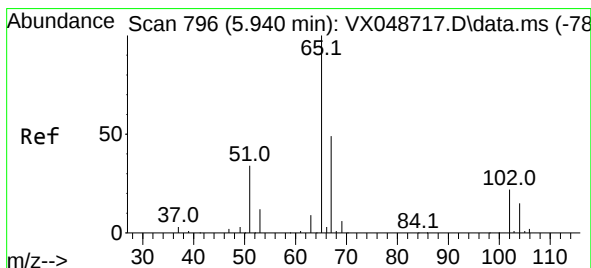
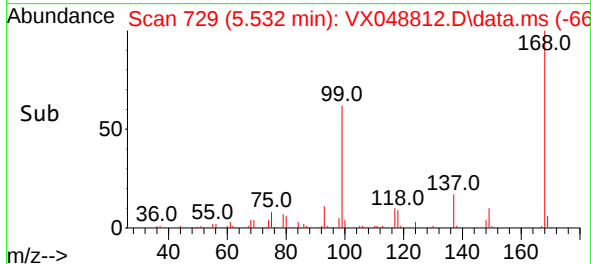
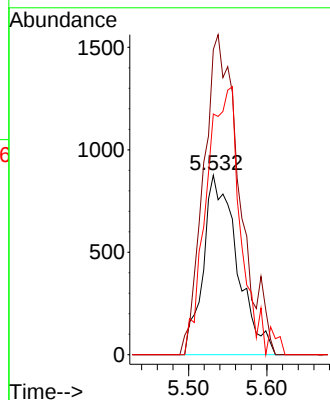
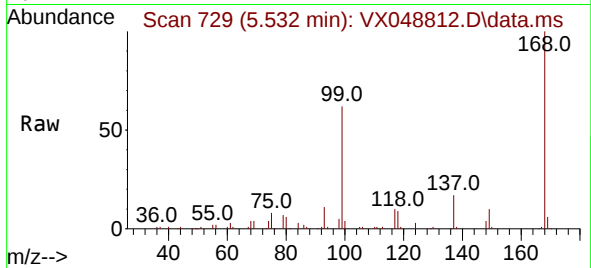




#31
Cyclohexane
Concen: 1.049 ug/l
RT: 5.532 min Scan# 718
Delta R.T. 0.067 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

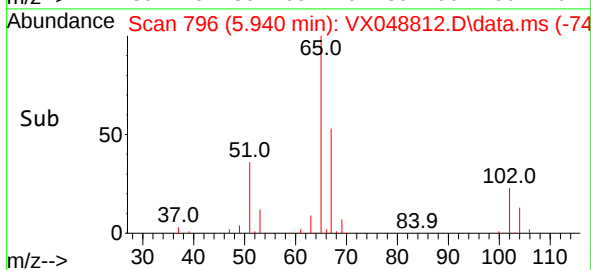
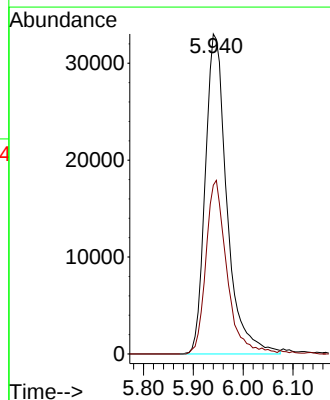
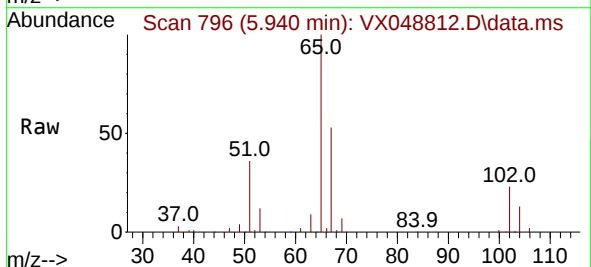
Instrument :
MSVOA_X
ClientSampleId :
OW-02B-21.2-120425

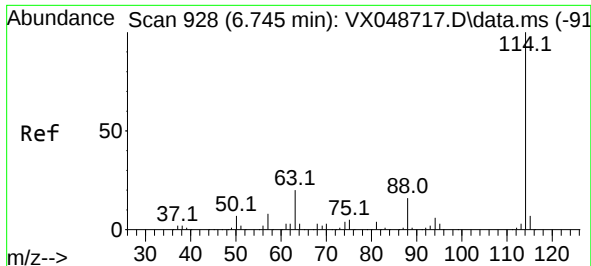
Tgt Ion: 56 Resp: 2625
Ion Ratio Lower Upper
56 100
69 170.0 24.2 36.2#
84 134.1 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 53.700 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

Tgt Ion: 65 Resp: 99469
Ion Ratio Lower Upper
65 100
67 52.6 0.0 107.4

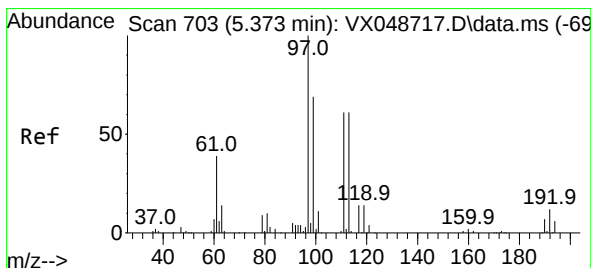
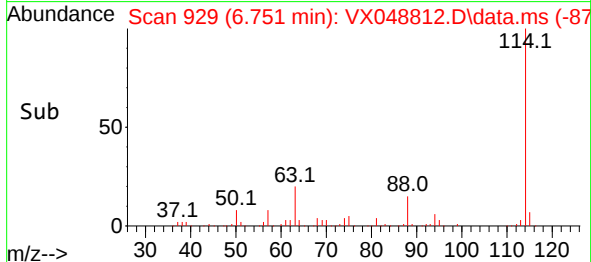
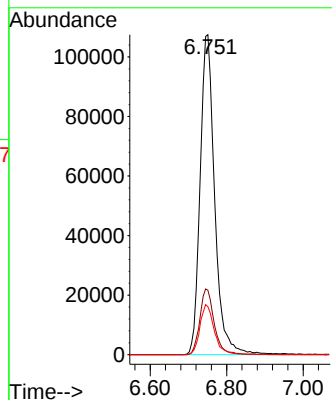
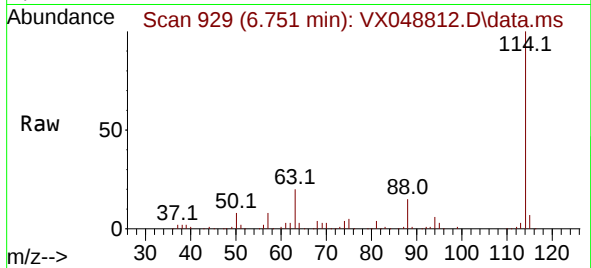




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 912
Delta R.T. 0.006 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

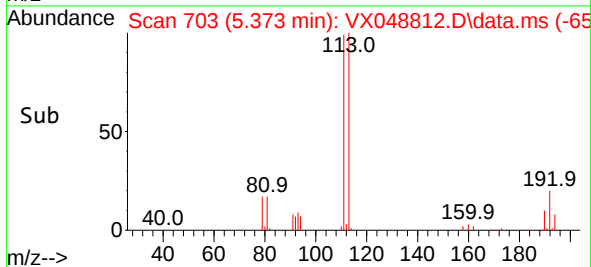
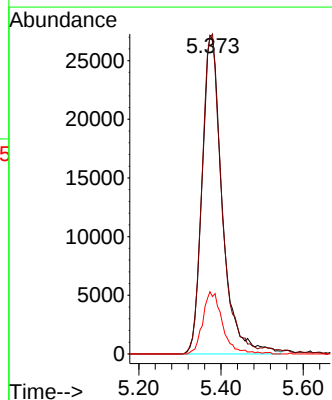
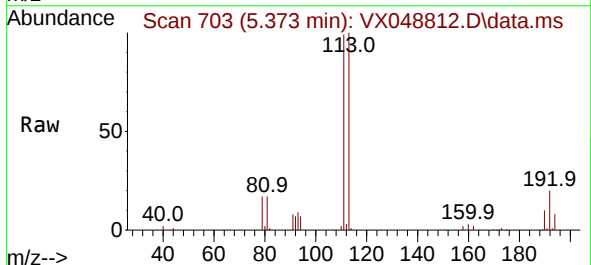
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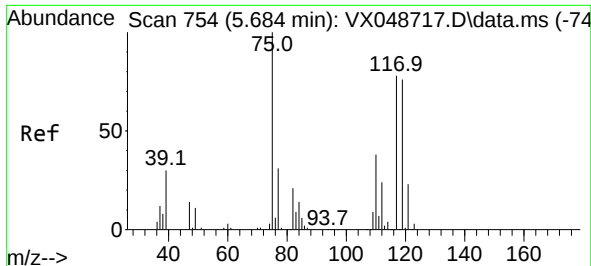
Tgt Ion:114 Resp: 284336
Ion Ratio Lower Upper
114 100
63 20.2 0.0 39.0
88 15.0 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.055 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

Tgt Ion:113 Resp: 92123
Ion Ratio Lower Upper
113 100
111 98.3 79.5 119.3
192 19.1 16.1 24.1

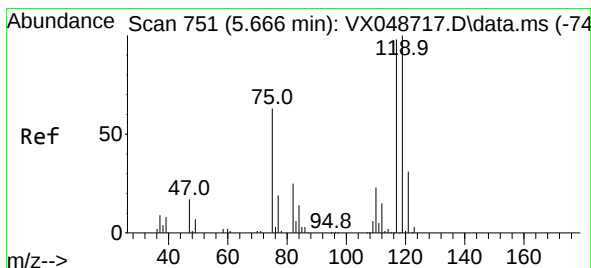
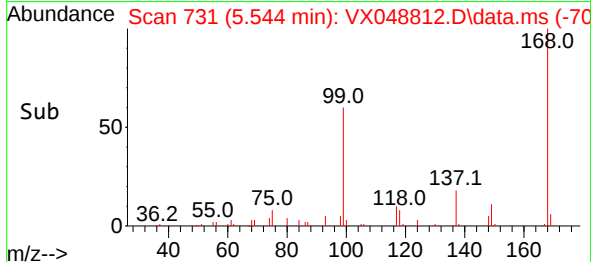
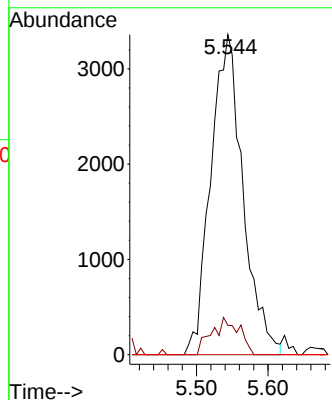
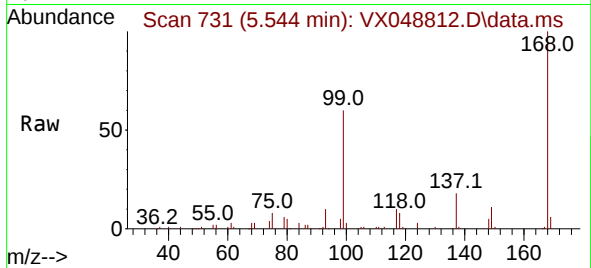




#36
1,1-Dichloropropene
Concen: 3.919 ug/l
RT: 5.544 min Scan# 711
Delta R.T. -0.140 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

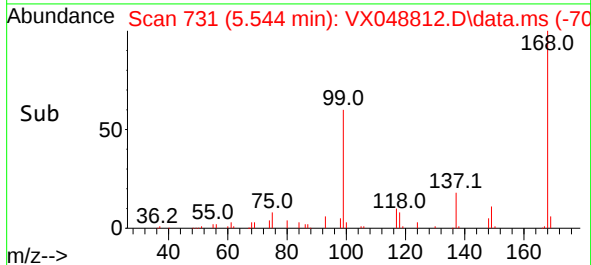
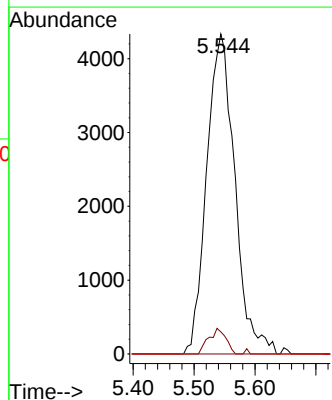
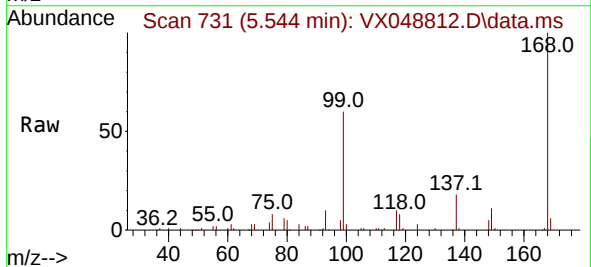
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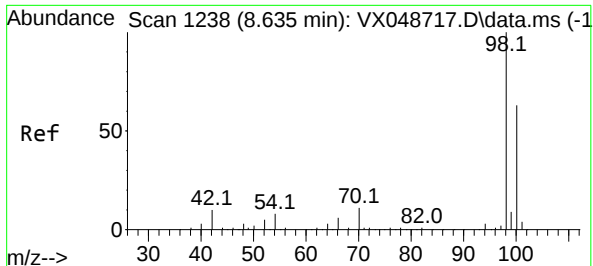
Tgt Ion: 75 Resp: 10509
Ion Ratio Lower Upper
75 100
110 9.9 18.6 55.8#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 4.582 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.122 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

Tgt Ion: 117 Resp: 13918
Ion Ratio Lower Upper
117 100
119 6.9 80.5 120.7#
121 0.0 25.4 38.0#

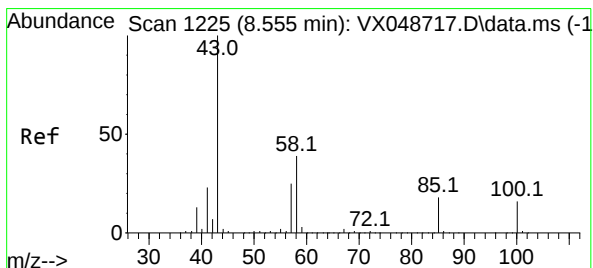
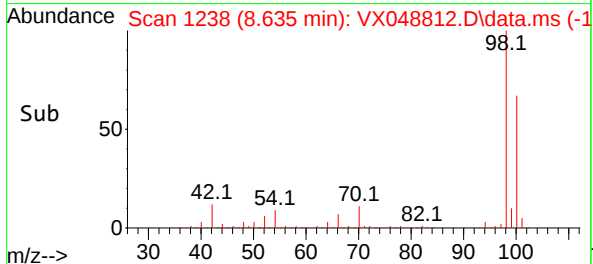
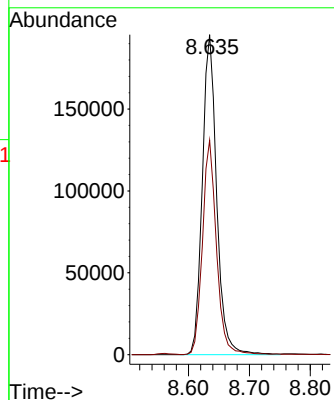
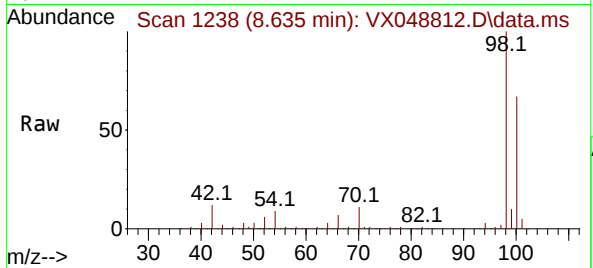




#50
Toluene-d8
Concen: 46.777 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

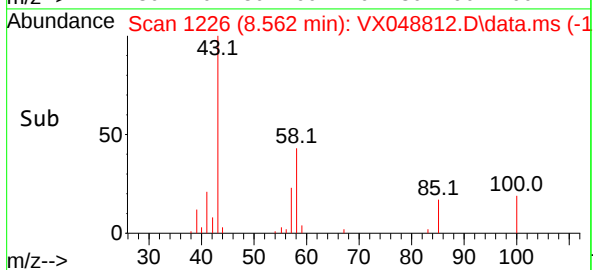
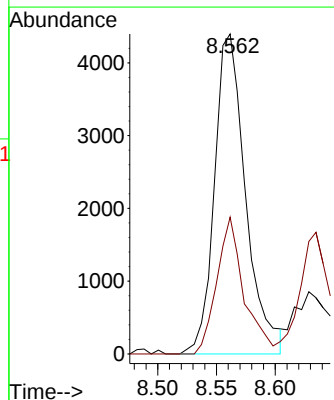
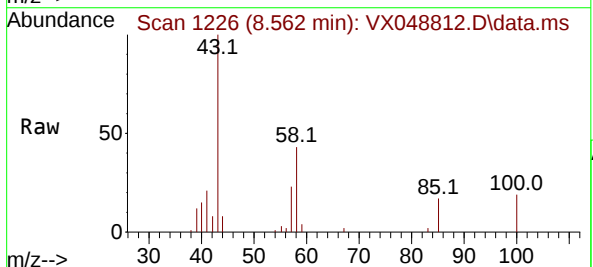
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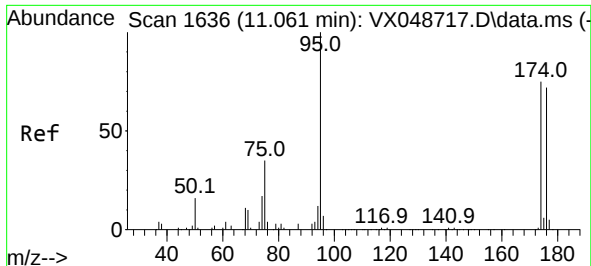
Tgt Ion: 98 Resp: 321012
Ion Ratio Lower Upper
98 100
100 65.1 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 2.694 ug/l
RT: 8.562 min Scan# 1226
Delta R.T. 0.006 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

Tgt Ion: 43 Resp: 8113
Ion Ratio Lower Upper
43 100
58 37.2 32.2 48.4

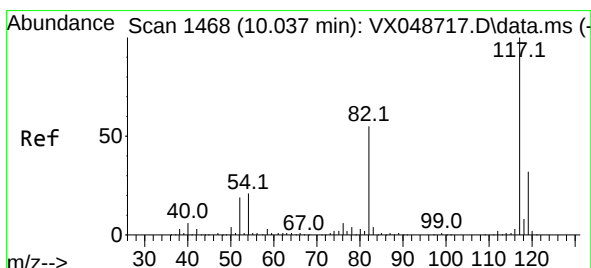
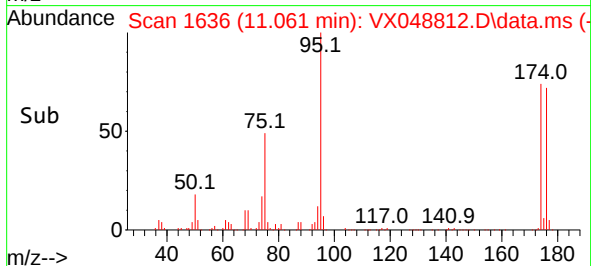
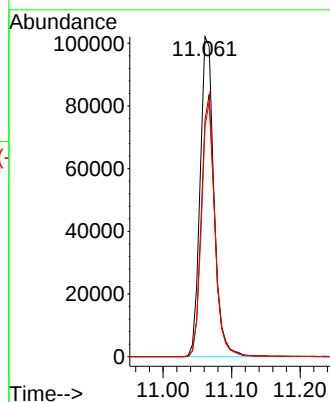
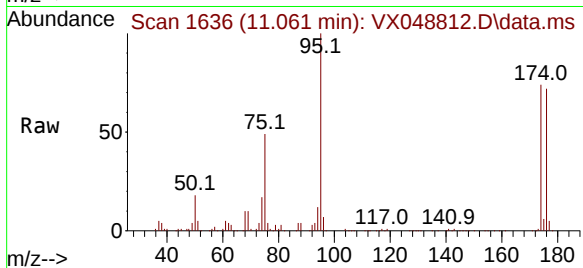




#62
4-Bromofluorobenzene
Concen: 60.669 ug/l
RT: 11.061 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

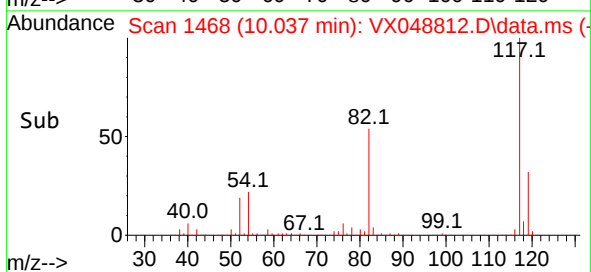
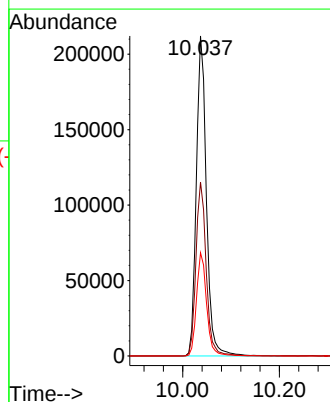
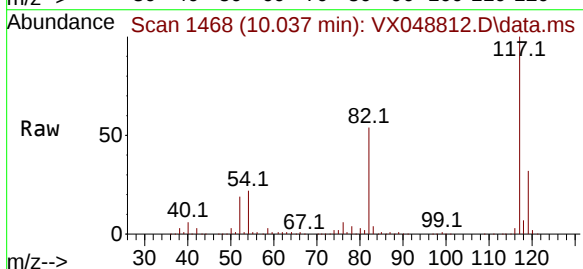
Instrument :
MSVOA_X
ClientSampleId :
OW-02B-21.2-120425

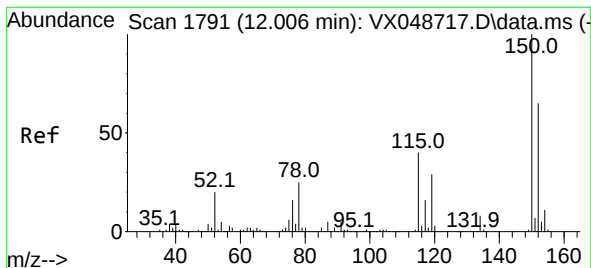
Tgt Ion: 95 Resp: 143570
Ion Ratio Lower Upper
95 100
174 80.1 0.0 157.8
176 77.2 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

Tgt Ion: 117 Resp: 306079
Ion Ratio Lower Upper
117 100
82 54.3 44.1 66.1
119 32.2 25.2 37.8

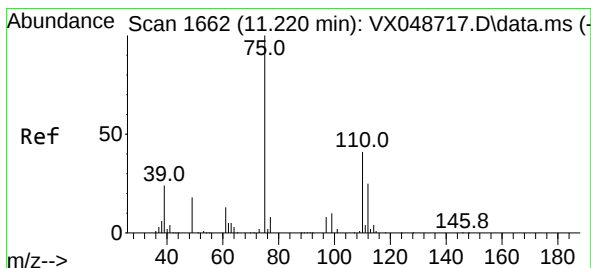
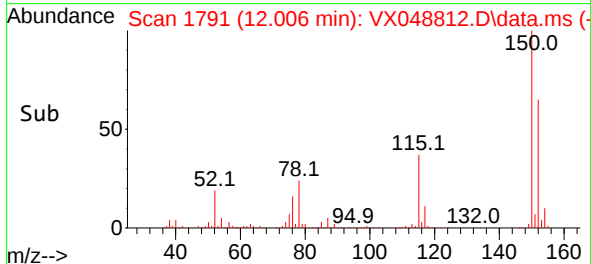
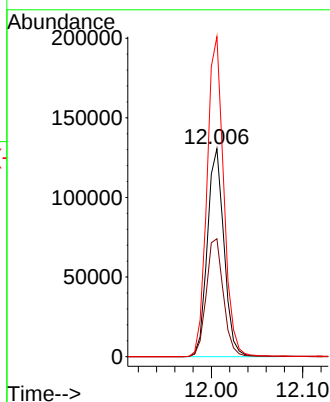
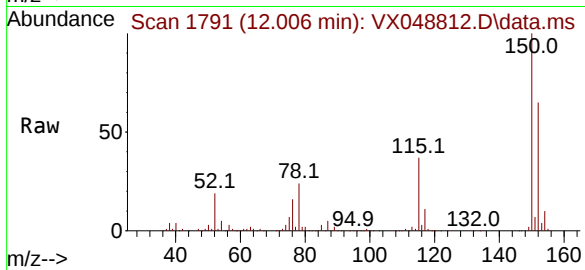




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

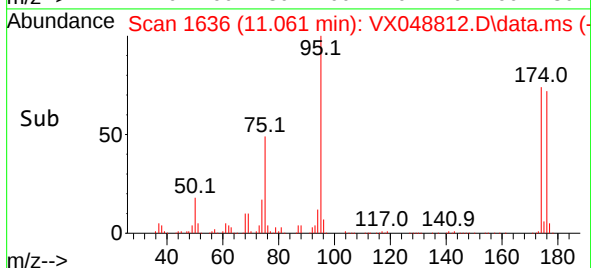
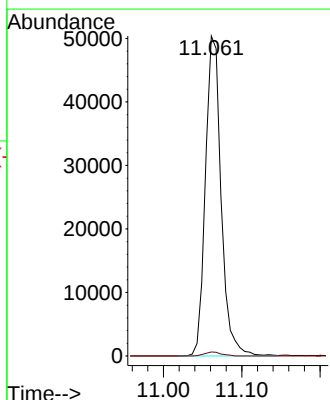
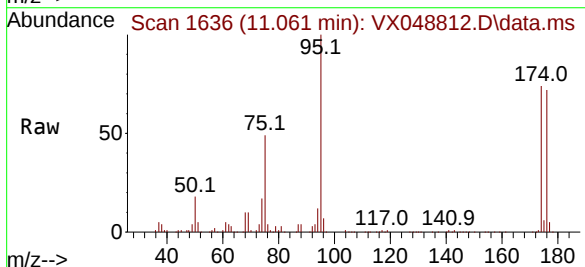
Instrument :
MSVOA_X
ClientSampleId :
OW-02B-21.2-120425

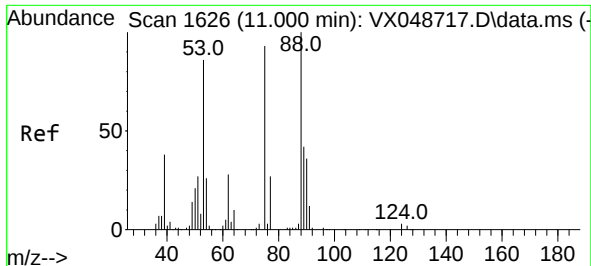
Tgt Ion:152 Resp: 165546
Ion Ratio Lower Upper
152 100
115 58.5 42.1 126.4
150 154.2 0.0 347.8



#76
1,2,3-Trichloropropane
Concen: 22.718 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.158 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

Tgt Ion: 75 Resp: 70048
Ion Ratio Lower Upper
75 100
77 1.3 24.3 73.0#

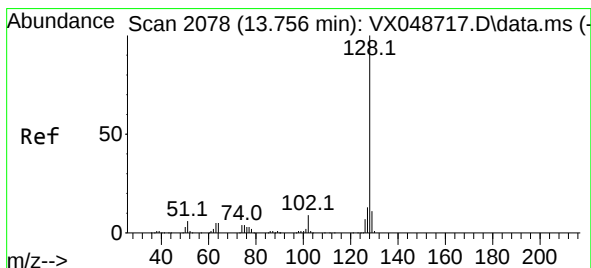
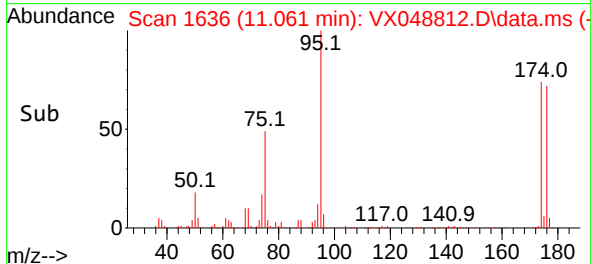
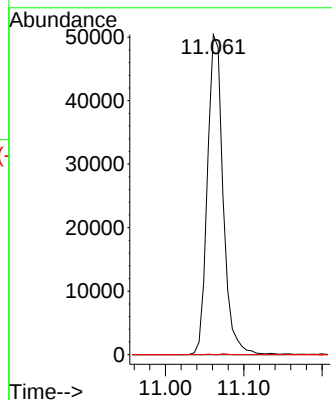
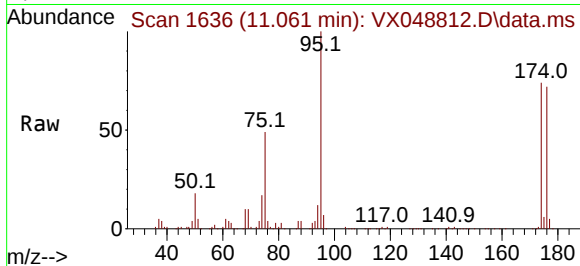




#81
trans-1,4-Dichloro-2-butene
Concen: 53.965 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

Instrument :
MSVOA_X
ClientSampleId :
OW-02B-21.2-120425

Tgt Ion: 75 Resp: 70048
Ion Ratio Lower Upper
75 100
53 0.0 79.9 119.9#
89 0.1 67.1 100.7#



#95
Naphthalene
Concen: Below Cal
RT: 13.762 min Scan# 2079
Delta R.T. 0.006 min
Lab File: VX048812.D
Acq: 10 Dec 2025 15:32

Tgt Ion:128 Resp: 536
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 7.3 8.6 13.0#

