

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121025\
 Data File : VX048817.D
 Acq On : 10 Dec 2025 17:15
 Operator : JC/MD
 Sample : Q3776-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-RAD-20251203

Quant Time: Dec 11 00:27:04 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)

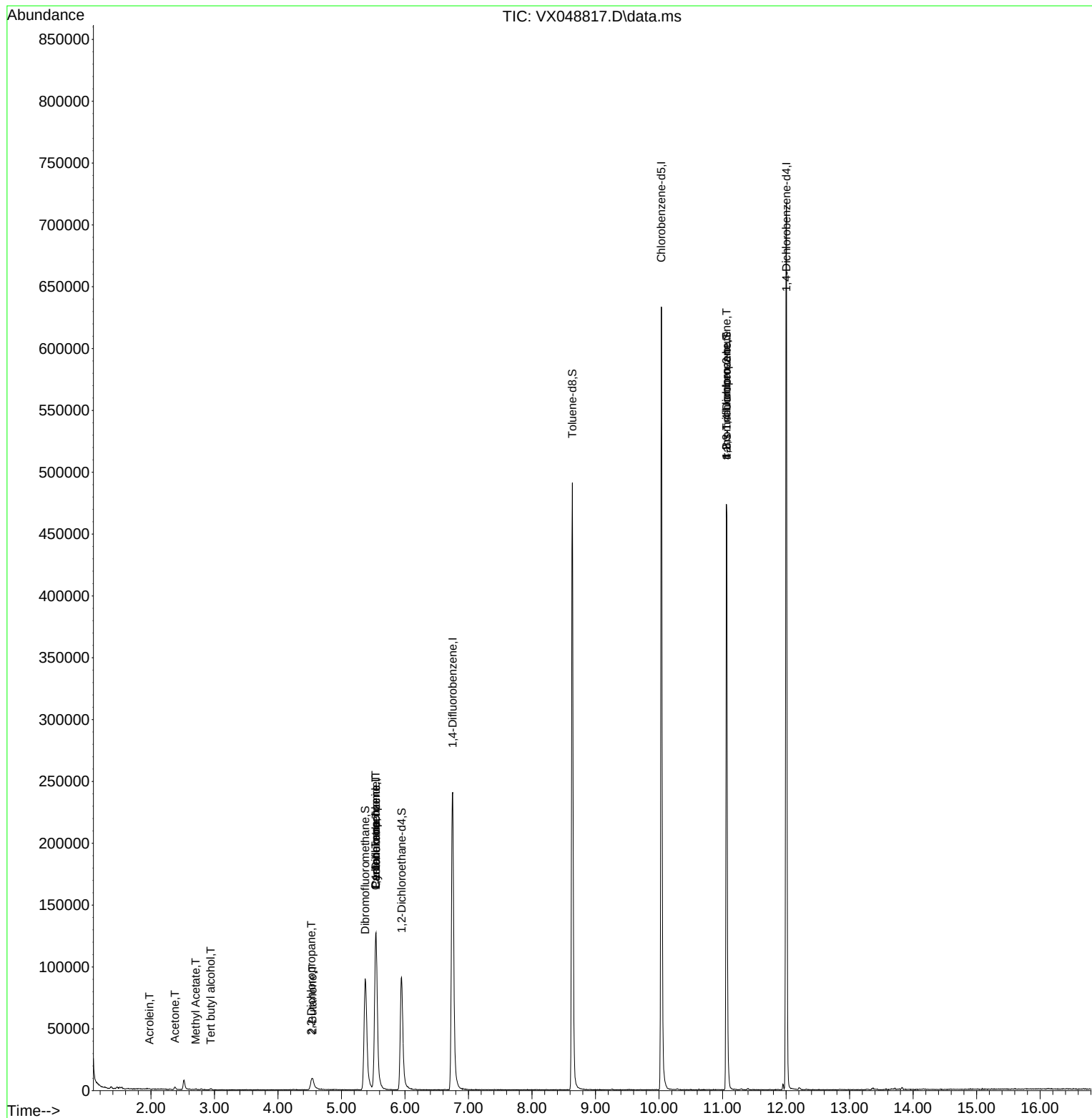
Internal Standards						
1) Pentafluorobenzene	5.544	168	136045	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	280829	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	304222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	165802	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	101626	55.656	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 111.320%		
35) Dibromofluoromethane	5.373	113	89798	46.440	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 92.880%		
50) Toluene-d8	8.634	98	314683	46.428	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 92.860%		
62) 4-Bromofluorobenzene	11.061	95	139050	59.493	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 118.980%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	518	1.757	ug/l #	73
13) Acrolein	1.977	56	23	40.245	ug/l #	15
16) Acetone	2.380	43	2931	4.193	ug/l	93
18) Methyl Acetate	2.703	43	921	0.468	ug/l #	68
25) 2-Butanone	4.544	43	828	0.803	ug/l #	46
26) 2,2-Dichloropropane	4.525	77	512	0.209	ug/l #	52
31) Cyclohexane	5.544	56	2807	1.137	ug/l #	1
36) 1,1-Dichloropropene	5.537	75	10755	4.061	ug/l #	49
38) Carbon Tetrachloride	5.537	117	13505	4.502	ug/l #	17
76) 1,2,3-Trichloropropane	11.061	75	69858	22.622	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	69858	53.735	ug/l #	3
95) Naphthalene	13.762	128	418	Below Cal	#	69

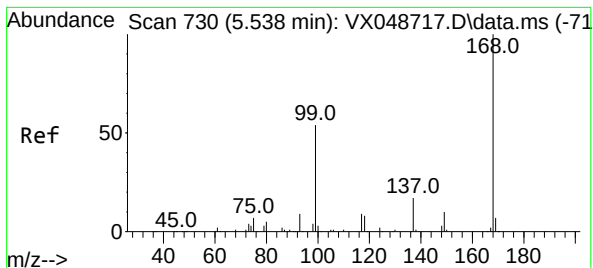
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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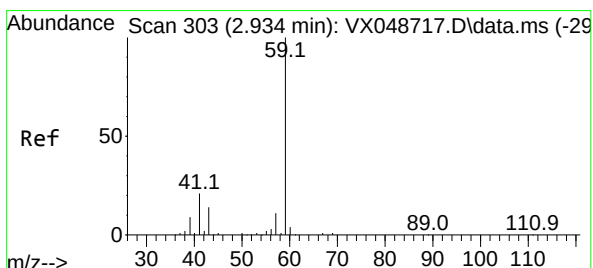
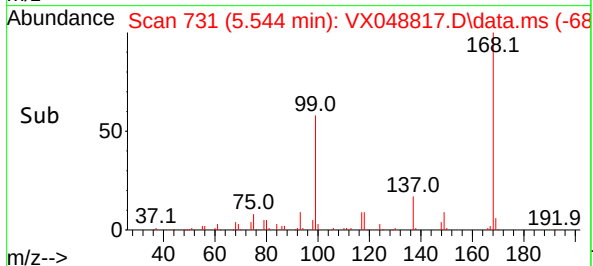
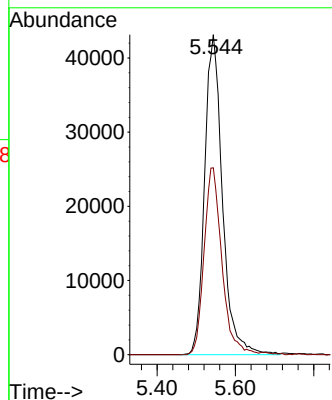
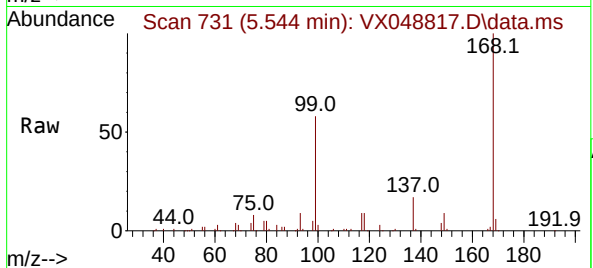




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX048817.D
Acq: 10 Dec 2025 17:15

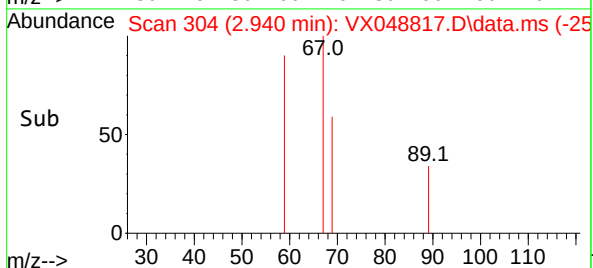
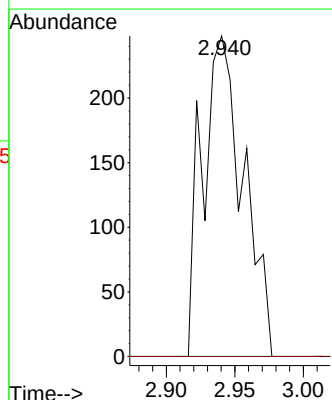
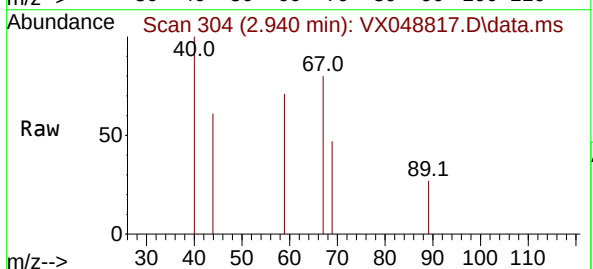
Instrument :
MSVOA_X
ClientSampleId :
IDW-RAD-20251203

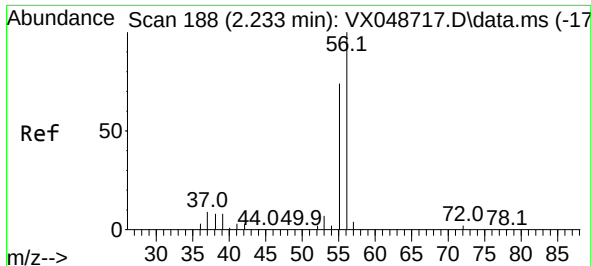
Tgt Ion:168 Resp: 136045
Ion Ratio Lower Upper
168 100
99 58.4 44.2 66.4



#11
Tert butyl alcohol
Concen: 1.757 ug/l
RT: 2.940 min Scan# 304
Delta R.T. 0.006 min
Lab File: VX048817.D
Acq: 10 Dec 2025 17:15

Tgt Ion: 59 Resp: 518
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

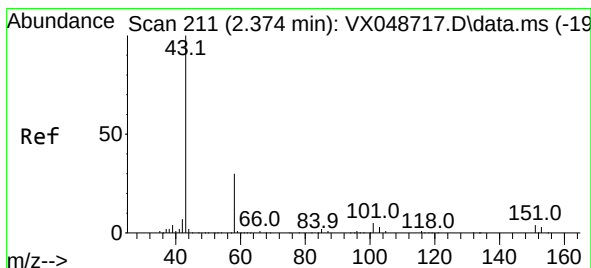
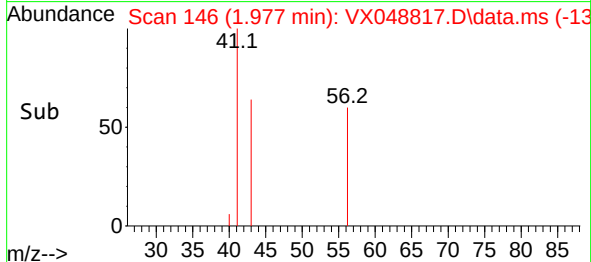
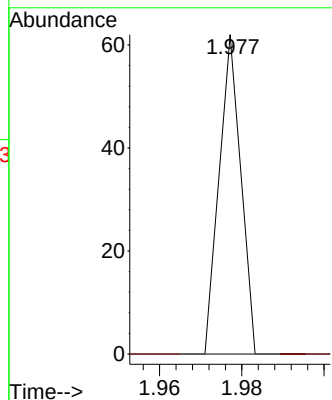
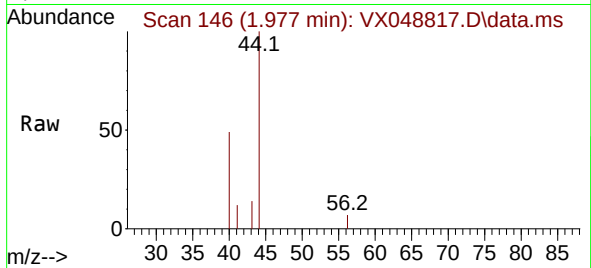




#13
Acrolein
Concen: 40.245 ug/l
RT: 1.977 min Scan# 14
Delta R.T. -0.256 min
Lab File: VX048817.D
Acq: 10 Dec 2025 17:15

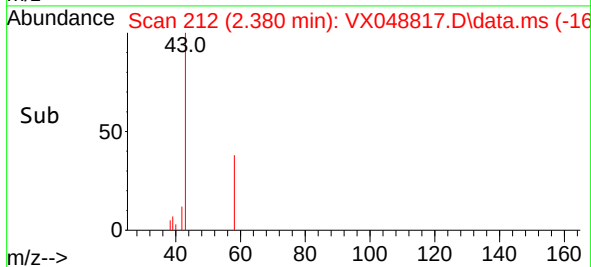
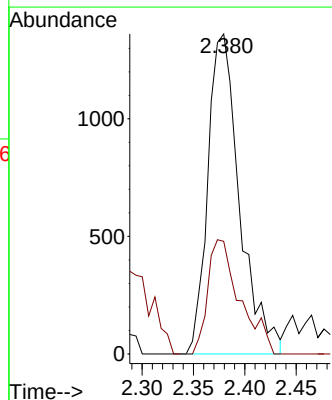
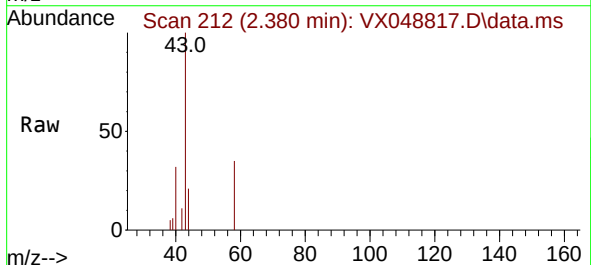
Instrument :
MSVOA_X
ClientSampleId :
IDW-RAD-20251203

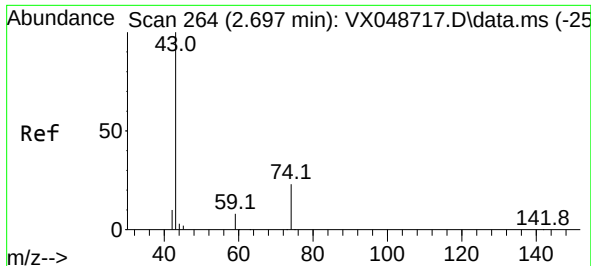
Tgt Ion: 56 Resp: 23
Ion Ratio Lower Upper
56 100
55 0.0 55.8 83.6#



#16
Acetone
Concen: 4.193 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048817.D
Acq: 10 Dec 2025 17:15

Tgt Ion: 43 Resp: 2931
Ion Ratio Lower Upper
43 100
58 35.2 25.0 37.4

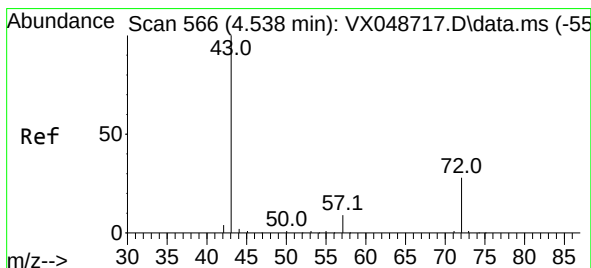
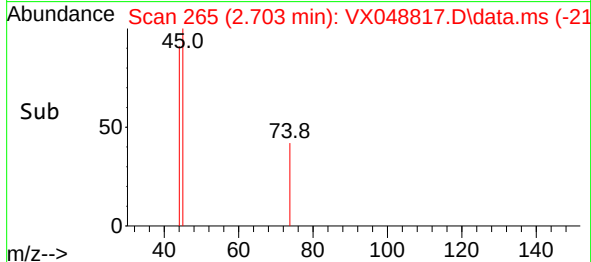
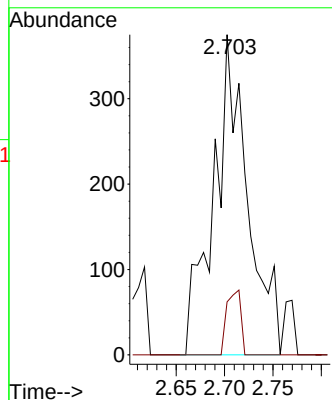
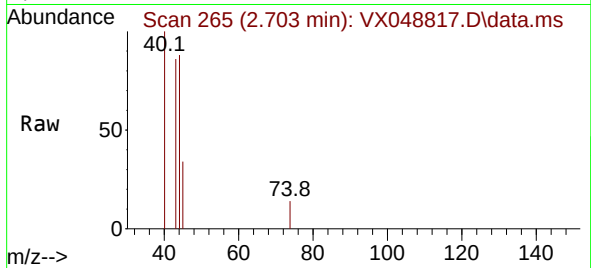




#18
Methyl Acetate
Concen: 0.468 ug/l
RT: 2.703 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX048817.D
Acq: 10 Dec 2025 17:15

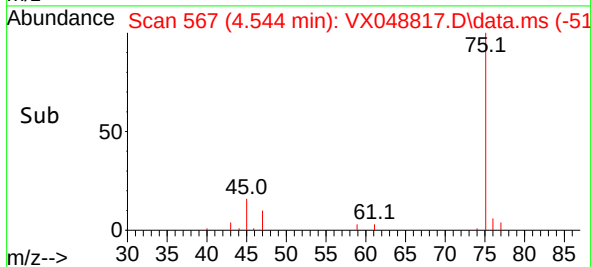
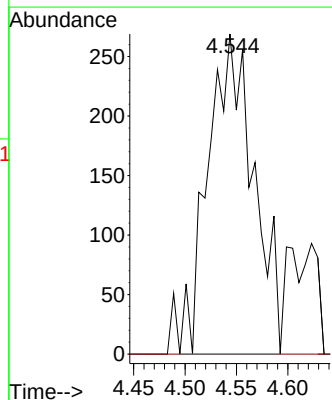
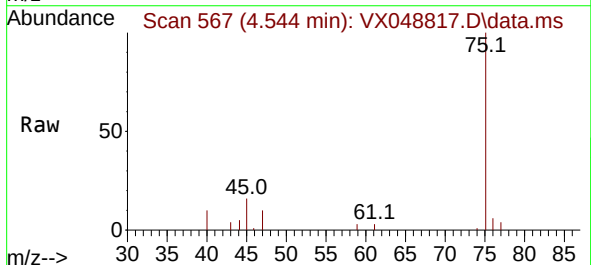
Instrument :
MSVOA_X
ClientSampleId :
IDW-RAD-20251203

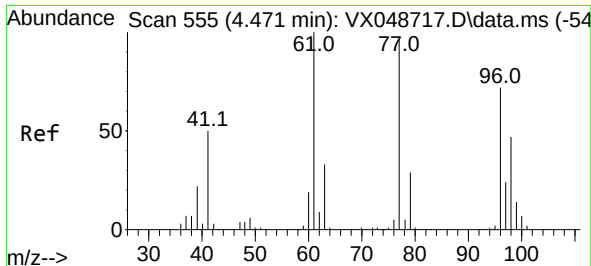
Tgt Ion: 43 Resp: 921
Ion Ratio Lower Upper
43 100
74 8.3 19.2 28.8#



#25
2-Butanone
Concen: 0.803 ug/l
RT: 4.544 min Scan# 567
Delta R.T. 0.006 min
Lab File: VX048817.D
Acq: 10 Dec 2025 17:15

Tgt Ion: 43 Resp: 828
Ion Ratio Lower Upper
43 100
72 0.0 22.6 34.0#





#26

2,2-Dichloropropane

Concen: 0.209 ug/l

RT: 4.525 min Scan# 5

Delta R.T. 0.055 min

Lab File: VX048817.D

Acq: 10 Dec 2025 17:15

Instrument :

MSVOA_X

ClientSampleId :

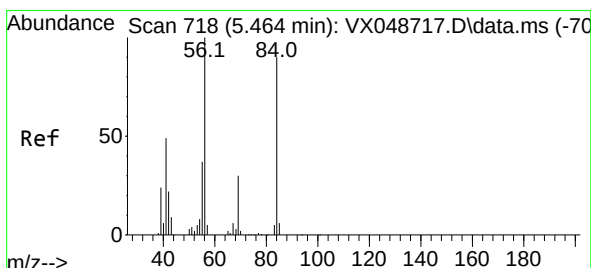
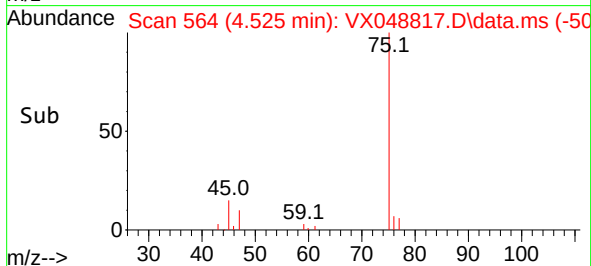
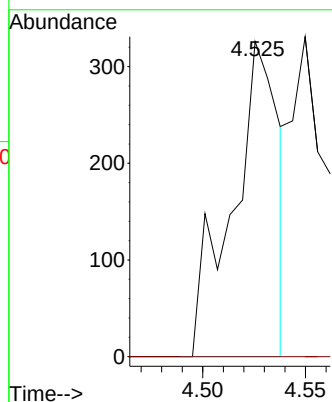
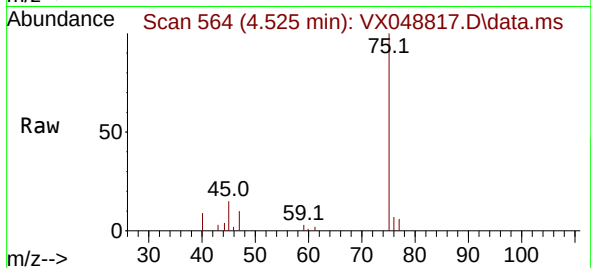
IDW-RAD-20251203

Tgt Ion: 77 Resp: 512

Ion Ratio Lower Upper

77 100

97 0.0 11.6 34.8#



#31

Cyclohexane

Concen: 1.137 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX048817.D

Acq: 10 Dec 2025 17:15

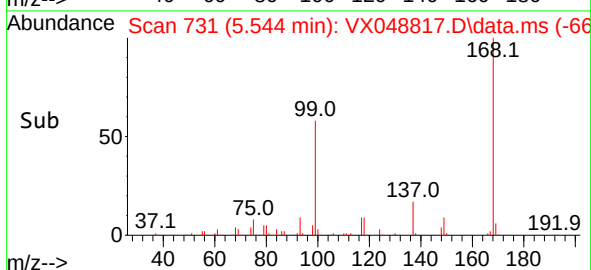
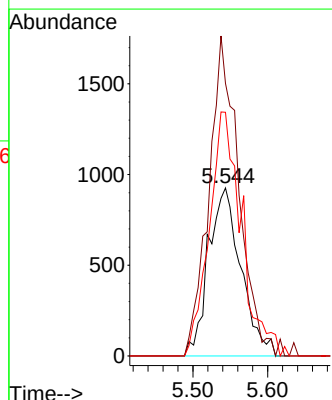
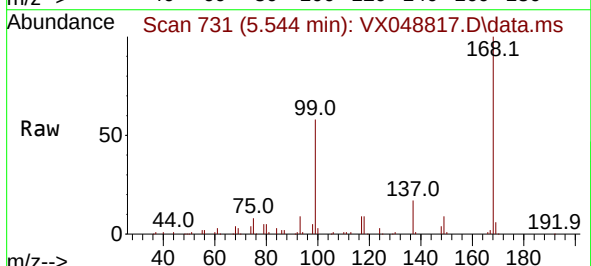
Tgt Ion: 56 Resp: 2807

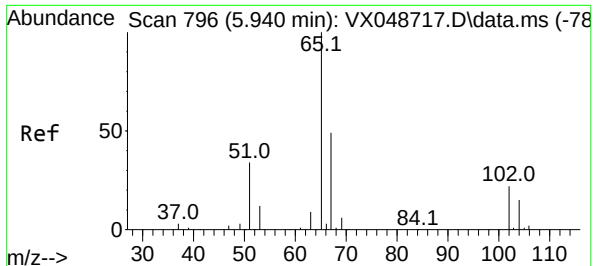
Ion Ratio Lower Upper

56 100

69 162.3 24.2 36.2#

84 145.0 72.1 108.1#





#33

1,2-Dichloroethane-d4

Concen: 55.656 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048817.D

Acq: 10 Dec 2025 17:15

Instrument :

MSVOA_X

ClientSampleId :

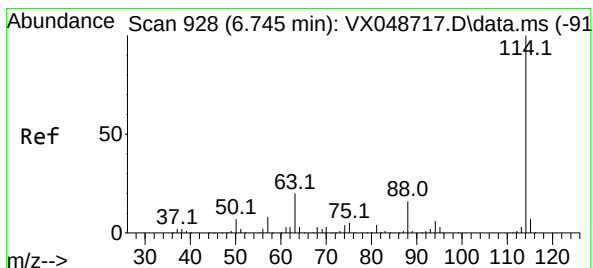
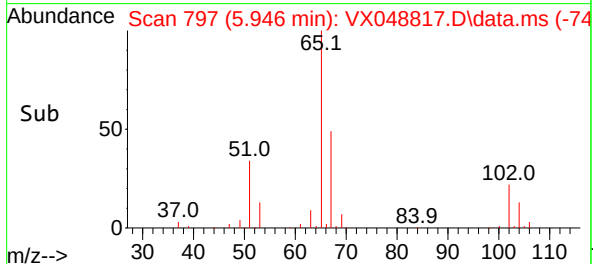
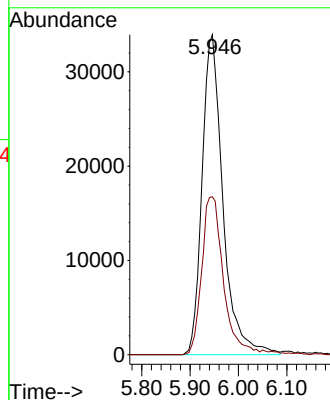
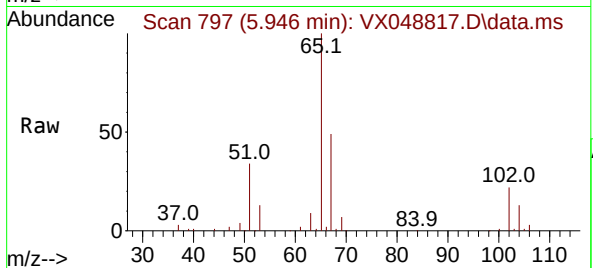
IDW-RAD-20251203

Tgt Ion: 65 Resp: 101626

Ion Ratio Lower Upper

65 100

67 52.1 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX048817.D

Acq: 10 Dec 2025 17:15

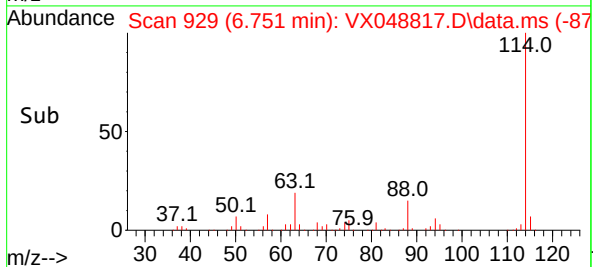
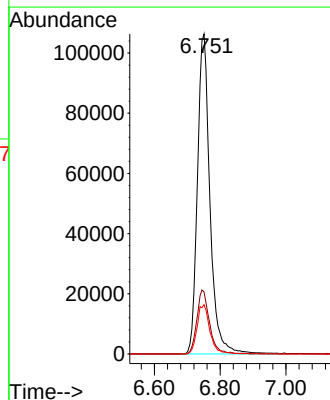
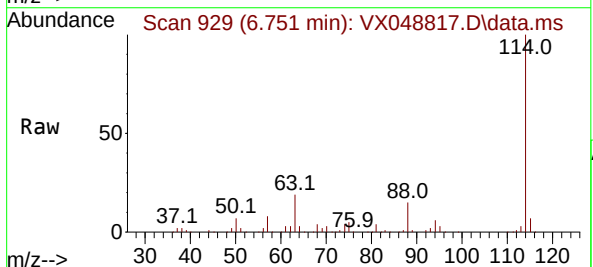
Tgt Ion: 114 Resp: 280829

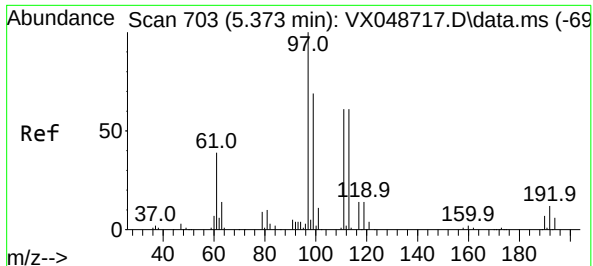
Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.0

88 15.4 0.0 31.8

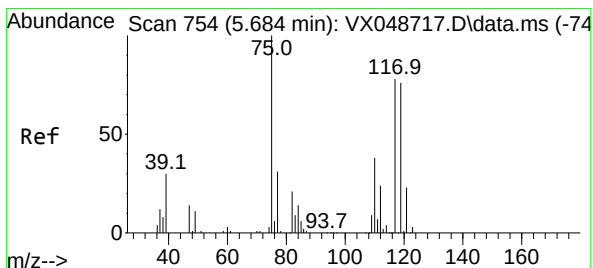
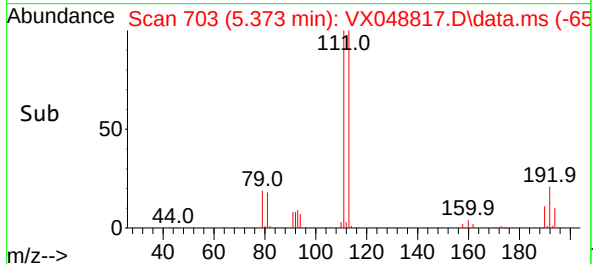
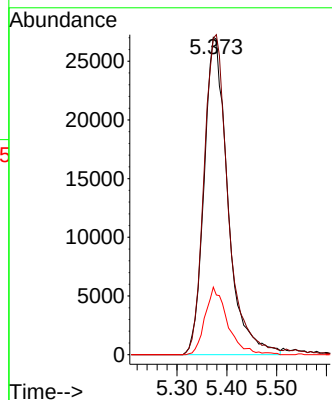
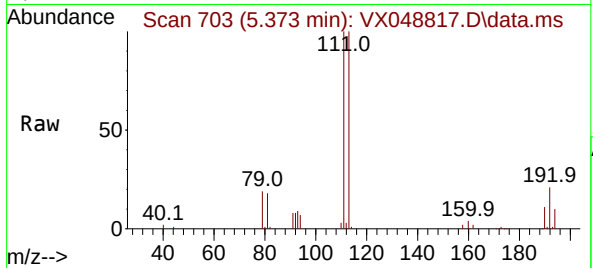




#35
Dibromofluoromethane
Concen: 46.440 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048817.D
Acq: 10 Dec 2025 17:15

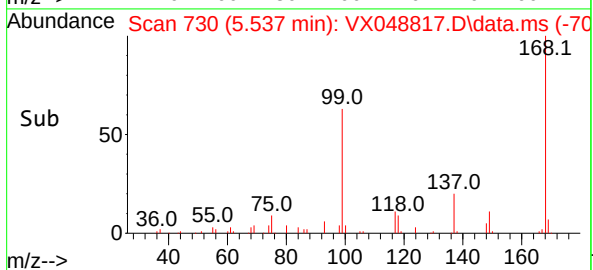
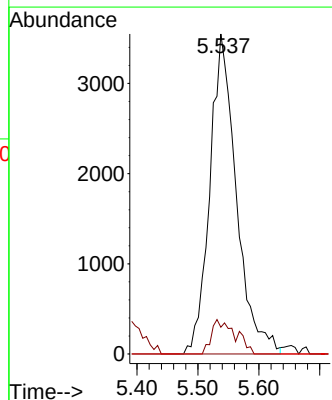
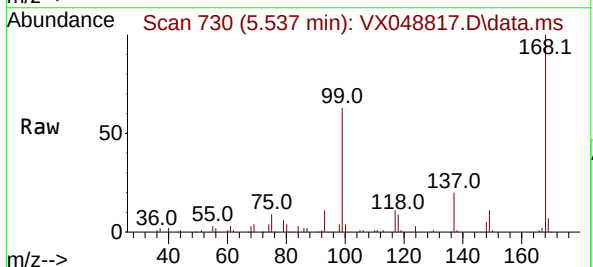
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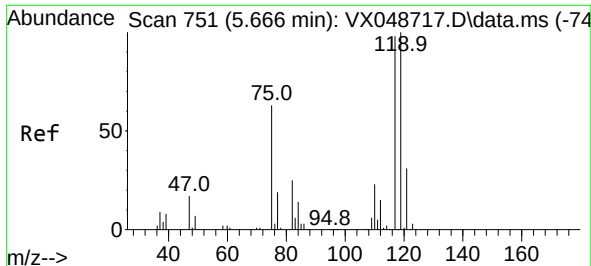
Tgt Ion:113 Resp: 89798
Ion Ratio Lower Upper
113 100
111 102.2 79.5 119.3
192 20.1 16.1 24.1



#36
1,1-Dichloropropene
Concen: 4.061 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX048817.D
Acq: 10 Dec 2025 17:15

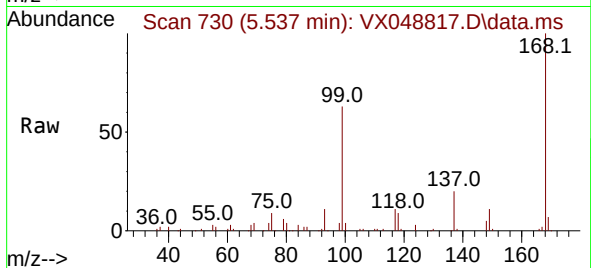
Tgt Ion: 75 Resp: 10755
Ion Ratio Lower Upper
75 100
110 9.7 18.6 55.8#
77 0.0 25.3 37.9#



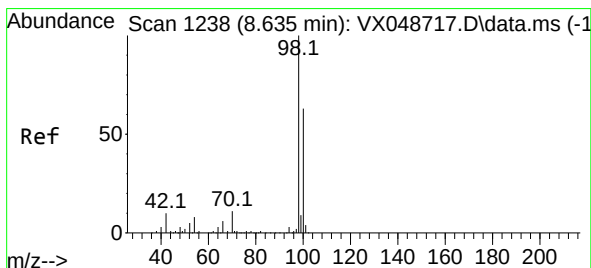
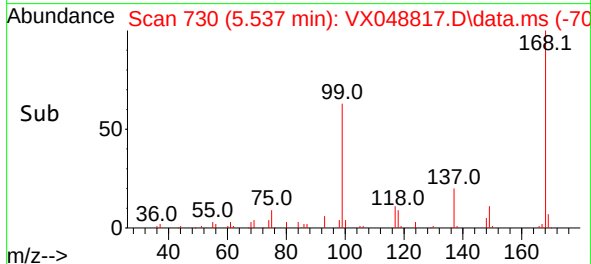
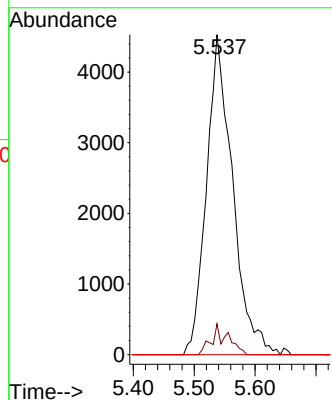


#38
Carbon Tetrachloride
Concen: 4.502 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048817.D
Acq: 10 Dec 2025 17:15

Instrument :
MSVOA_X
ClientSampleId :
IDW-RAD-20251203

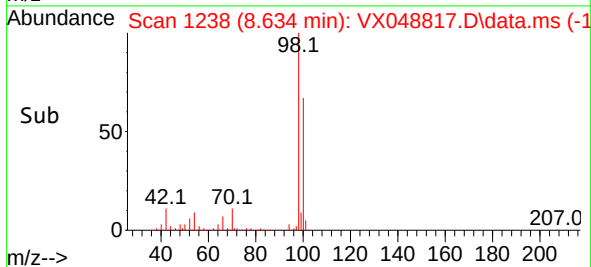
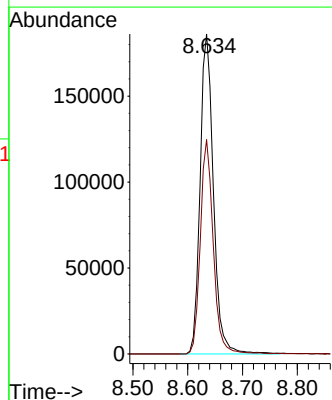
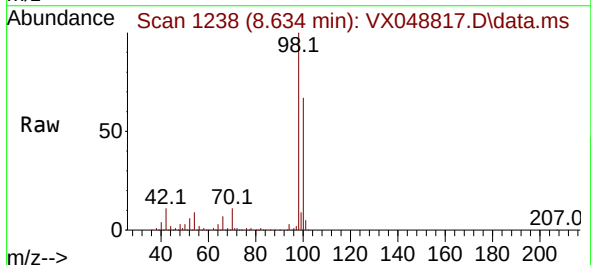


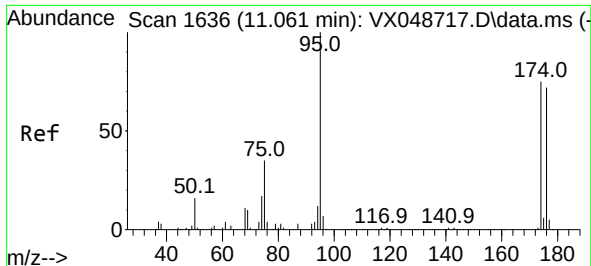
Tgt Ion:117 Resp: 13505
Ion Ratio Lower Upper
117 100
119 9.7 80.5 120.7#
121 0.0 25.4 38.0#



#50
Toluene-d8
Concen: 46.428 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048817.D
Acq: 10 Dec 2025 17:15

Tgt Ion: 98 Resp: 314683
Ion Ratio Lower Upper
98 100
100 65.0 53.4 80.0

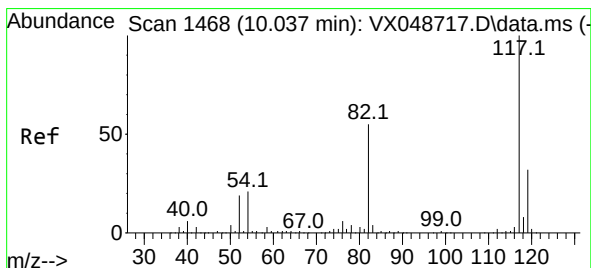
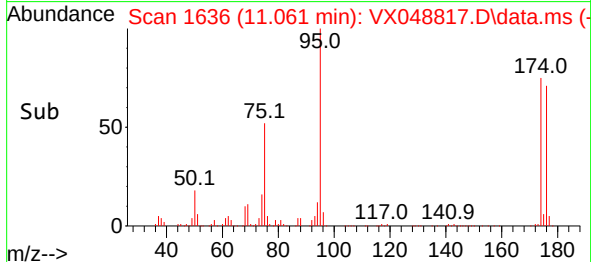
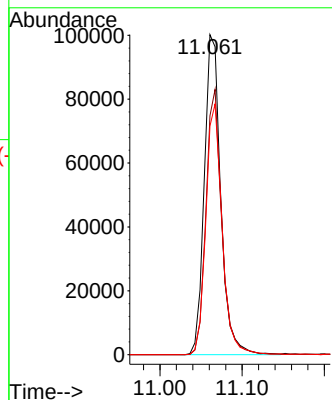
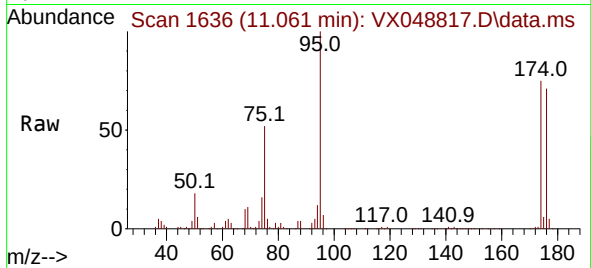




#62
4-Bromofluorobenzene
Concen: 59.493 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048817.D
Acq: 10 Dec 2025 17:15

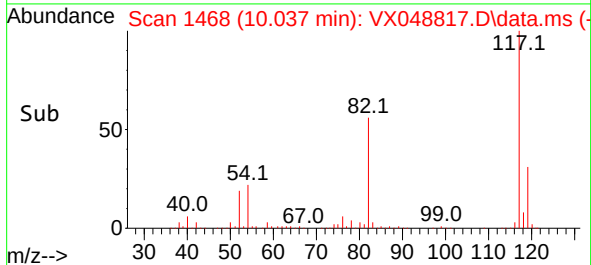
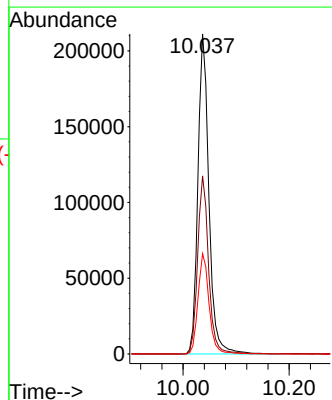
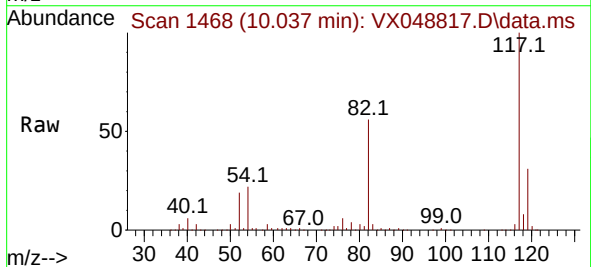
Instrument :
MSVOA_X
ClientSampleId :
IDW-RAD-20251203

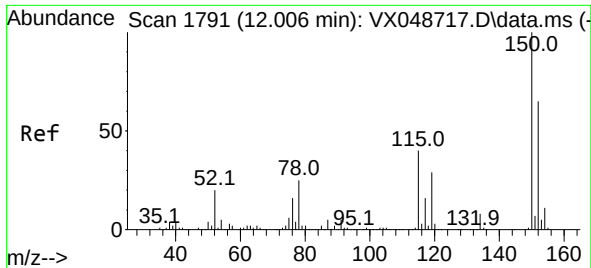
Tgt Ion: 95 Resp: 139050
Ion Ratio Lower Upper
95 100
174 80.0 0.0 157.8
176 77.8 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048817.D
Acq: 10 Dec 2025 17:15

Tgt Ion: 117 Resp: 304222
Ion Ratio Lower Upper
117 100
82 55.6 44.1 66.1
119 31.4 25.2 37.8

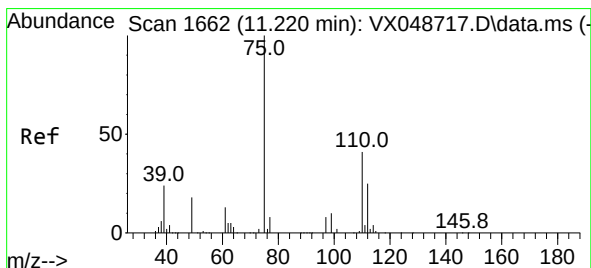
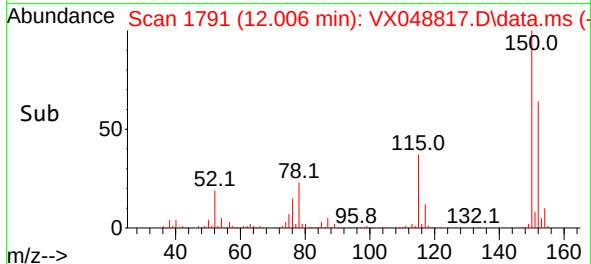
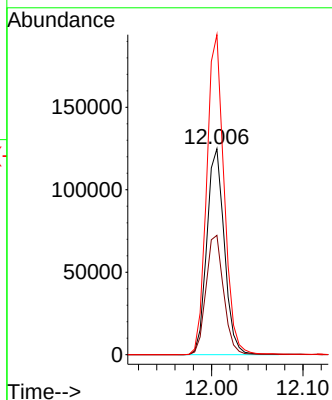
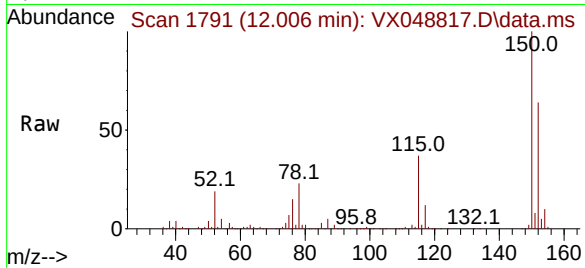




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048817.D
 Acq: 10 Dec 2025 17:15

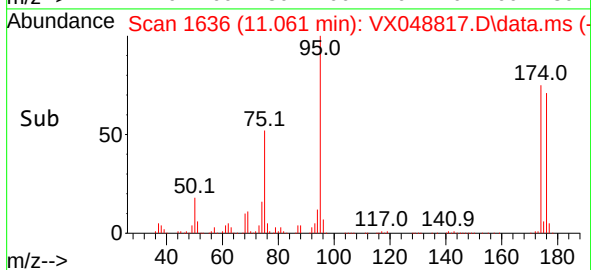
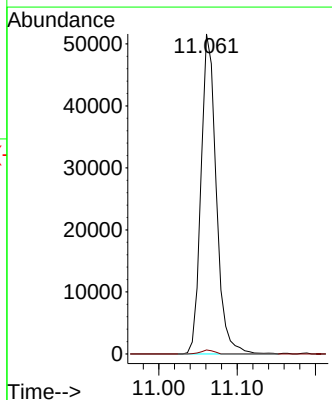
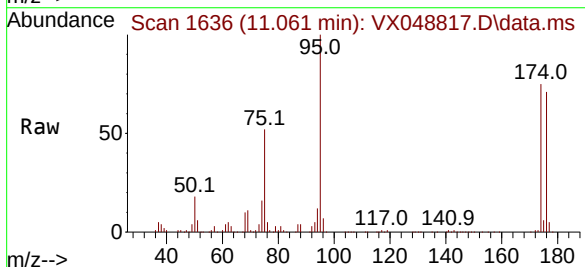
Instrument :
 MSVOA_X
 ClientSampleId :
 IDW-RAD-20251203

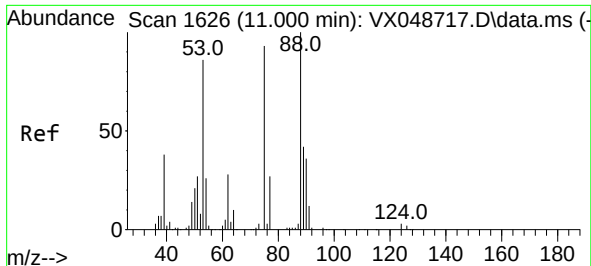
Tgt Ion:152 Resp: 165802
 Ion Ratio Lower Upper
 152 100
 115 58.7 42.1 126.4
 150 154.4 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 22.622 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048817.D
 Acq: 10 Dec 2025 17:15

Tgt Ion: 75 Resp: 69858
 Ion Ratio Lower Upper
 75 100
 77 1.1 24.3 73.0#

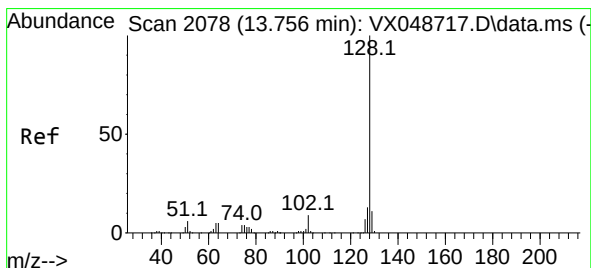
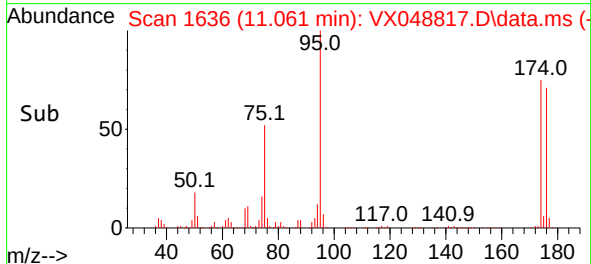
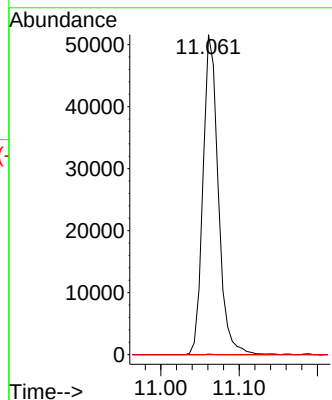
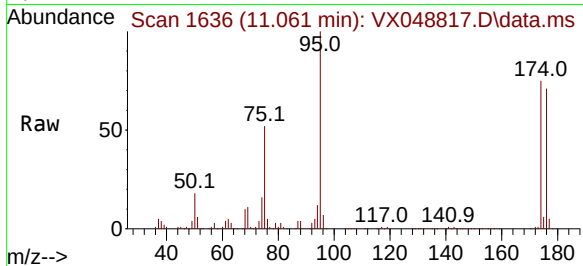




#81
trans-1,4-Dichloro-2-butene
Concen: 53.735 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048817.D
Acq: 10 Dec 2025 17:15

Instrument :
MSVOA_X
ClientSampleId :
IDW-RAD-20251203

Tgt Ion: 75 Resp: 69858
Ion Ratio Lower Upper
75 100
53 0.1 79.9 119.9#
89 0.0 67.1 100.7#



#95
Naphthalene
Concen: Below Cal
RT: 13.762 min Scan# 2079
Delta R.T. 0.006 min
Lab File: VX048817.D
Acq: 10 Dec 2025 17:15

Tgt Ion: 128 Resp: 418
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

