

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121125\
 Data File : VX048835.D
 Acq On : 11 Dec 2025 18:23
 Operator : JC/MD
 Sample : Q3828-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OWBR-06-219-120925

Quant Time: Dec 11 23:54:51 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)

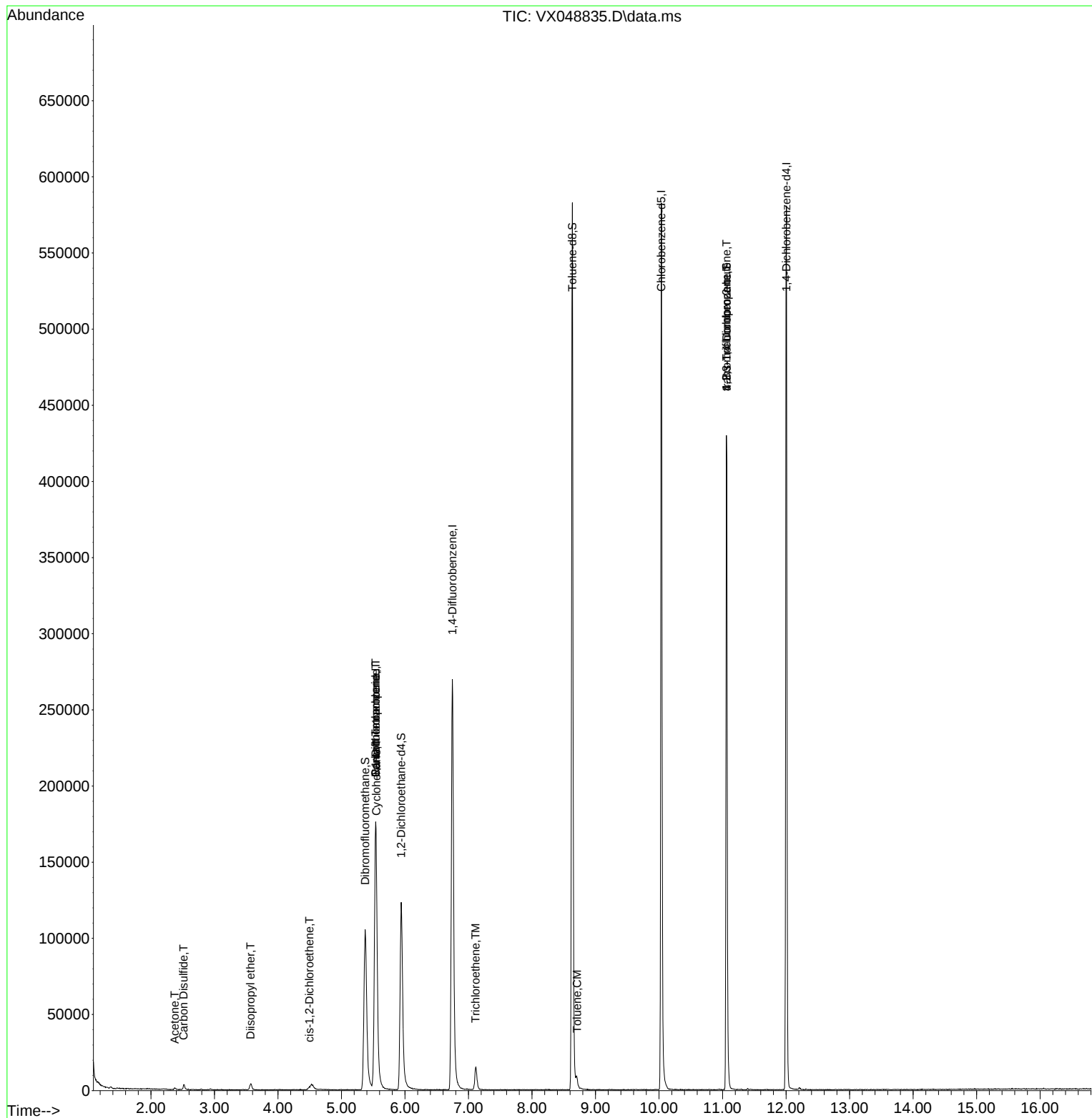
Internal Standards						
1) Pentafluorobenzene	5.537	168	182215	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	305374	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	274085	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	130417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	133273	54.494	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 108.980%	
35) Dibromofluoromethane	5.373	113	103640	49.291	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.580%	
50) Toluene-d8	8.634	98	363009	49.253	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.500%	
62) 4-Bromofluorobenzene	11.061	95	122044	48.020	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 96.040%	
Target Compounds						
					Qvalue	
16) Acetone	2.373	43	1484	1.585	ug/l	90
17) Carbon Disulfide	2.514	76	1394	0.227	ug/l #	74
22) Diisopropyl ether	3.568	45	2594	0.391	ug/l #	1
27) cis-1,2-Dichloroethene	4.495	96	873	0.358	ug/l	75
31) Cyclohexane	5.550	56	3671	1.111	ug/l #	19
36) 1,1-Dichloropropene	5.537	75	14610	5.073	ug/l #	48
38) Carbon Tetrachloride	5.537	117	18356	5.627	ug/l #	15
44) Trichloroethene	7.110	130	6815	3.059	ug/l	96
52) Toluene	8.708	92	2253	0.438	ug/l	100
76) 1,2,3-Trichloropropane	11.061	75	61481	25.311	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	61481	60.123	ug/l #	3
95) Naphthalene	13.768	128	176	Below Cal	#	69

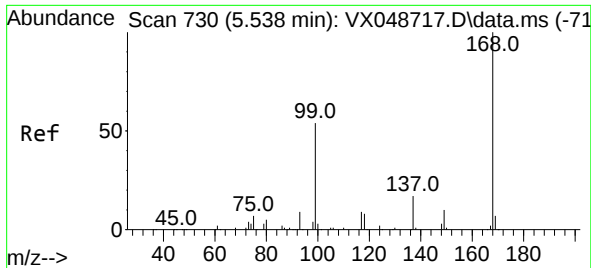
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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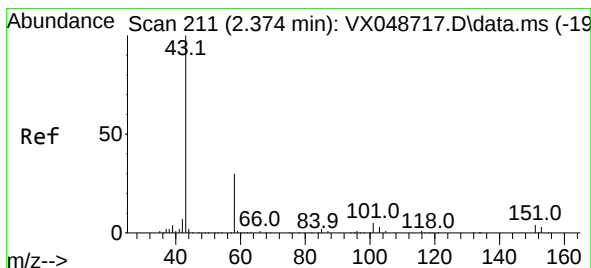
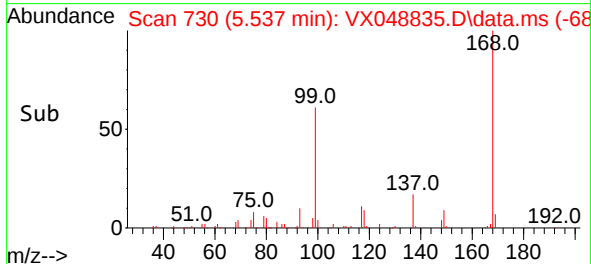
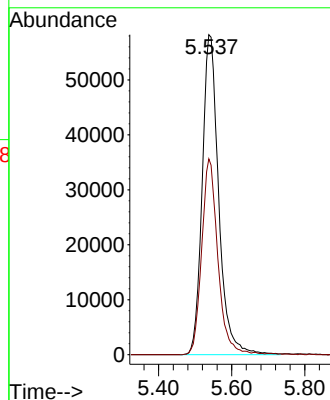
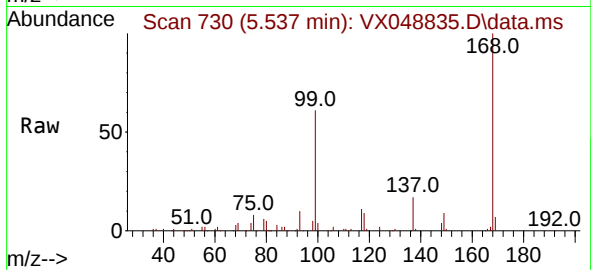




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048835.D
Acq: 11 Dec 2025 18:23

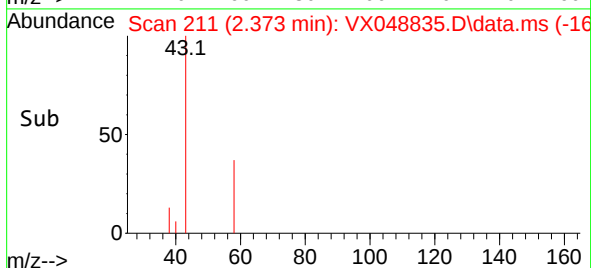
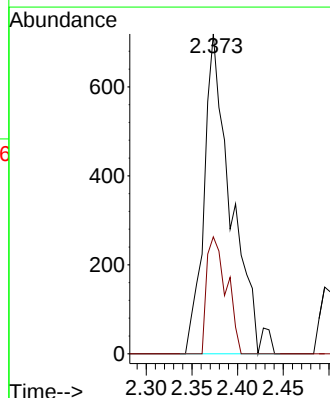
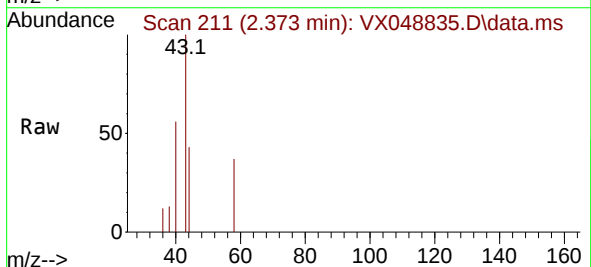
Instrument :
MSVOA_X
ClientSampleId :
OWBR-06-219-120925

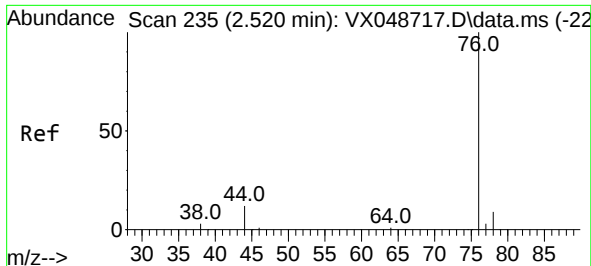
Tgt Ion:168 Resp: 182215
Ion Ratio Lower Upper
168 100
99 61.2 44.2 66.4



#16
Acetone
Concen: 1.585 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048835.D
Acq: 11 Dec 2025 18:23

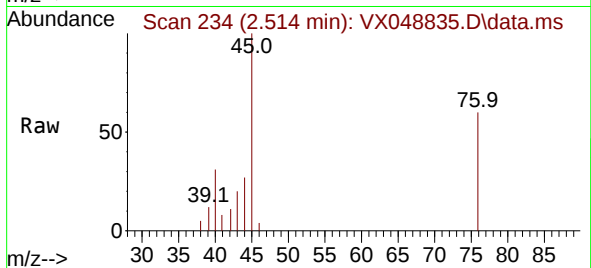
Tgt Ion: 43 Resp: 1484
Ion Ratio Lower Upper
43 100
58 36.6 25.0 37.4



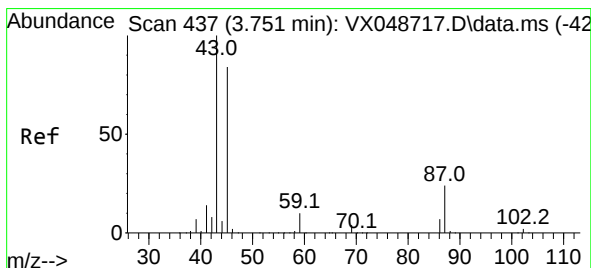
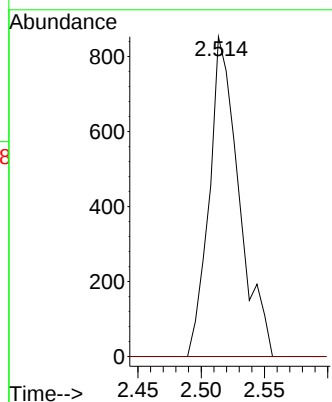
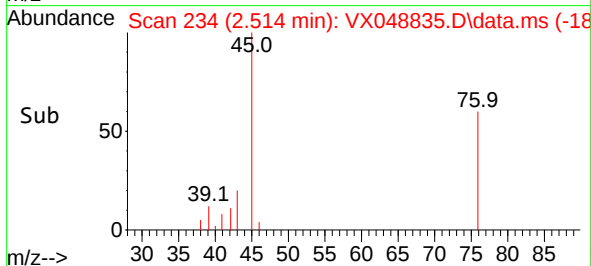


#17
Carbon Disulfide
Concen: 0.227 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX048835.D
Acq: 11 Dec 2025 18:23

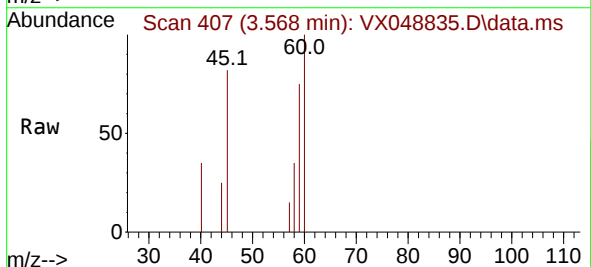
Instrument :
MSVOA_X
ClientSampleId :
OWBR-06-219-120925



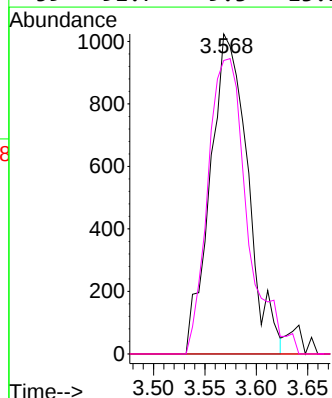
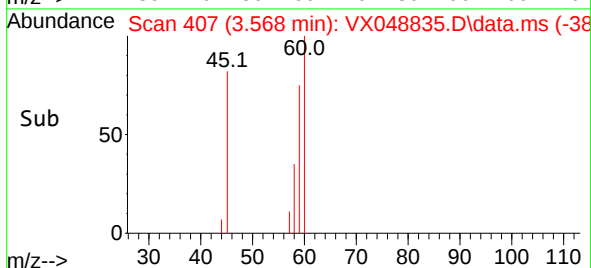
Tgt Ion: 76 Resp: 1394
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.2#

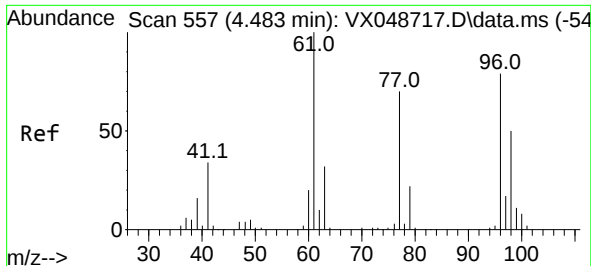


#22
Diisopropyl ether
Concen: 0.391 ug/l
RT: 3.568 min Scan# 407
Delta R.T. -0.183 min
Lab File: VX048835.D
Acq: 11 Dec 2025 18:23



Tgt Ion: 45 Resp: 2594
Ion Ratio Lower Upper
45 100
43 0.0 94.9 142.3#
87 0.0 23.2 34.8#
59 91.7 9.3 13.9#

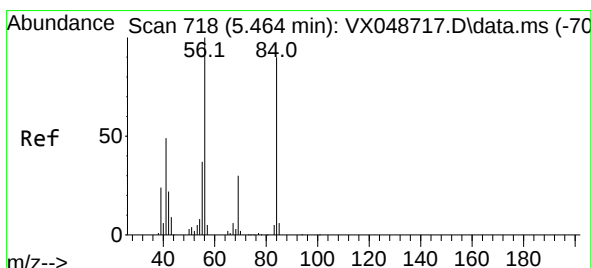
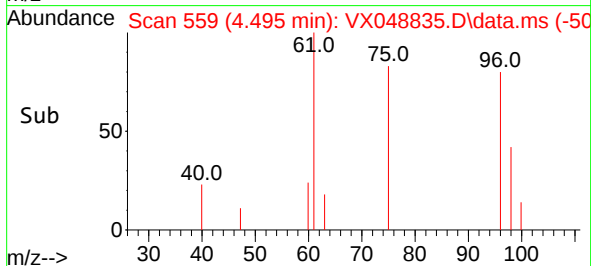
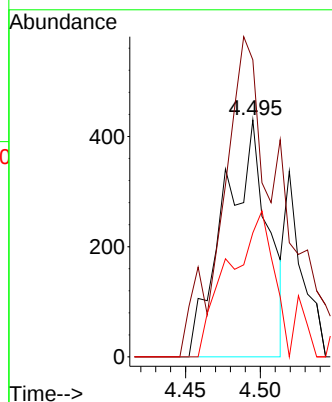
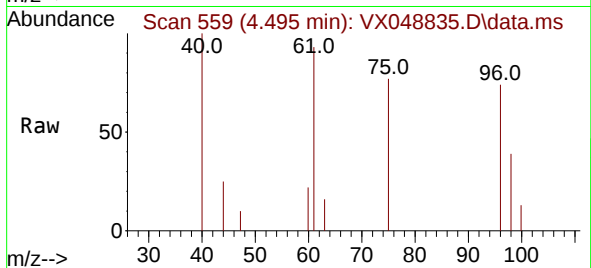




#27
 cis-1,2-Dichloroethene
 Concen: 0.358 ug/l
 RT: 4.495 min Scan# 511
 Delta R.T. 0.012 min
 Lab File: VX048835.D
 Acq: 11 Dec 2025 18:23

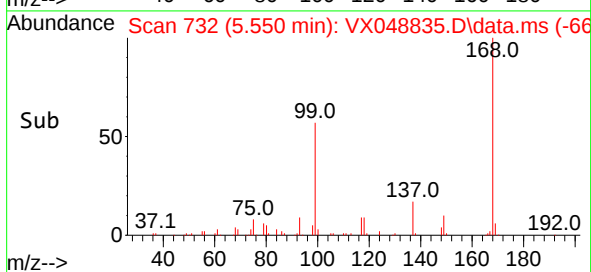
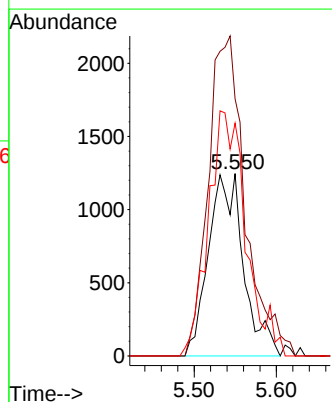
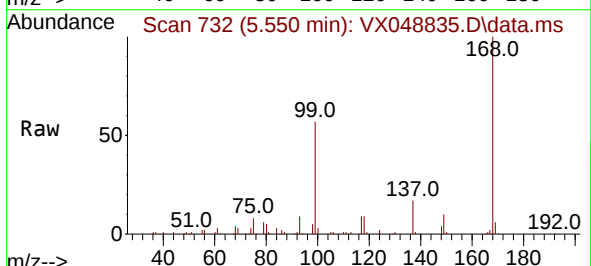
Instrument :
 MSVOA_X
 ClientSampleId :
 OWBR-06-219-120925

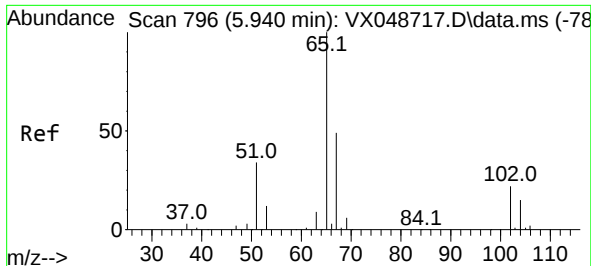
Tgt Ion: 96	Resp:	873	
Ion	Ratio	Lower	Upper
96	100		
61	178.5	0.0	271.0
98	62.5	0.0	130.2



#31
 Cyclohexane
 Concen: 1.111 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. 0.085 min
 Lab File: VX048835.D
 Acq: 11 Dec 2025 18:23

Tgt Ion: 56	Resp:	3671	
Ion	Ratio	Lower	Upper
56	100		
69	141.0	24.2	36.2#
84	127.7	72.1	108.1#

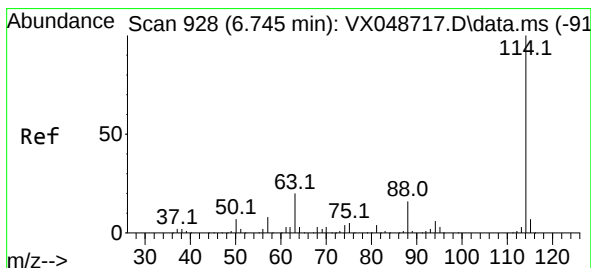
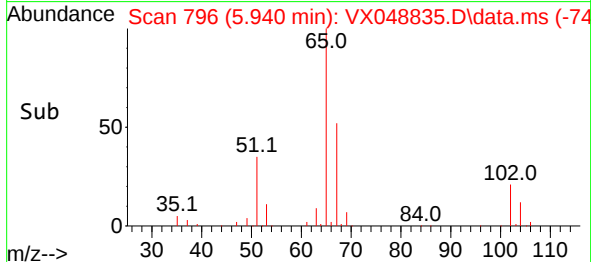
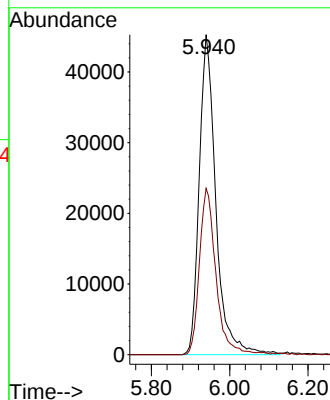
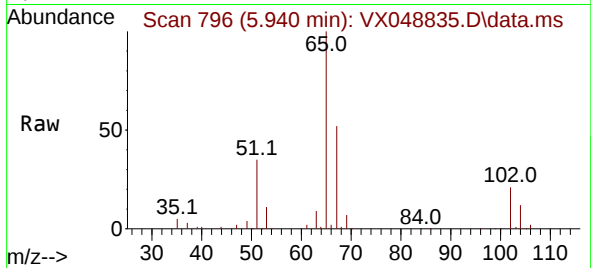




#33
 1,2-Dichloroethane-d4
 Concen: 54.494 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. -0.000 min
 Lab File: VX048835.D
 Acq: 11 Dec 2025 18:23

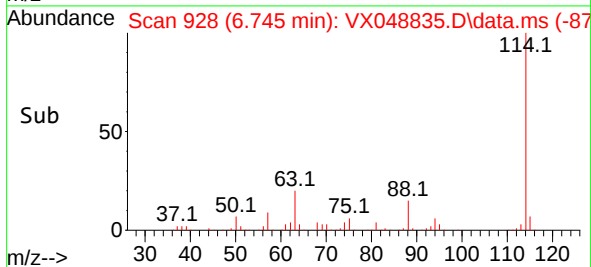
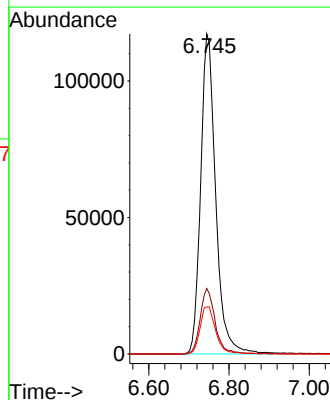
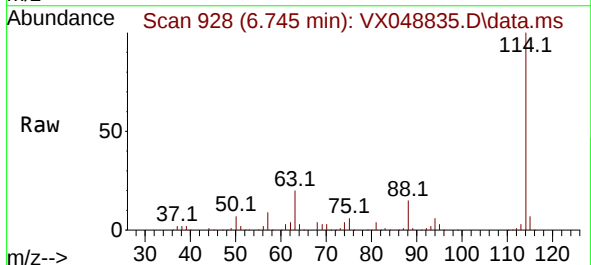
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 MSVOA_X
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 OWBR-06-219-120925

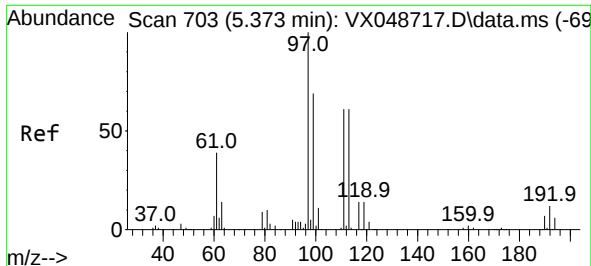
Tgt Ion: 65 Resp: 133273
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. -0.000 min
 Lab File: VX048835.D
 Acq: 11 Dec 2025 18:23

Tgt Ion: 114 Resp: 305374
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.0
 88 14.7 0.0 31.8

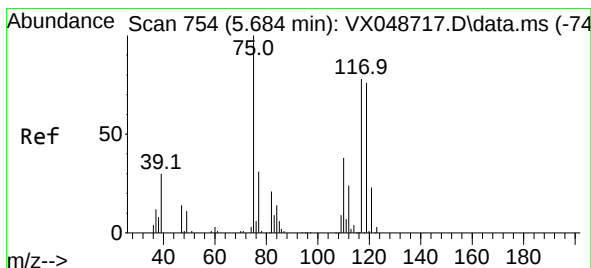
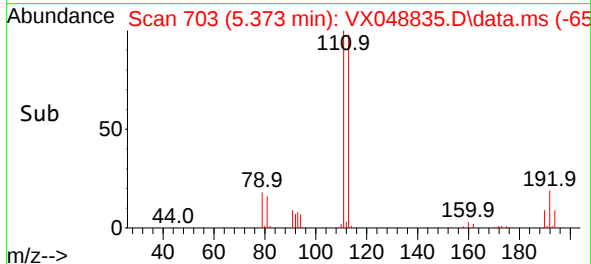
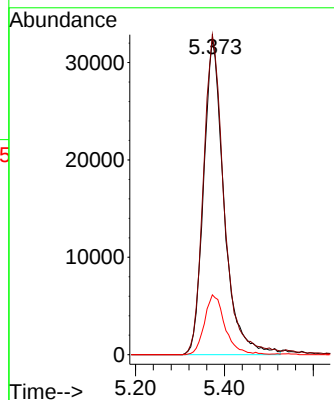
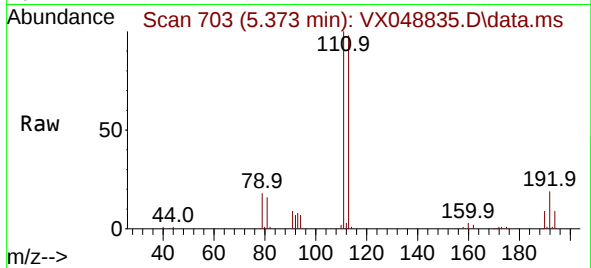




#35
Dibromofluoromethane
Concen: 49.291 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048835.D
Acq: 11 Dec 2025 18:23

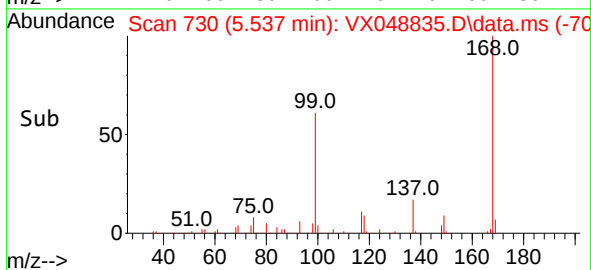
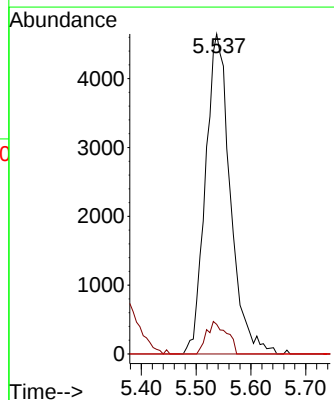
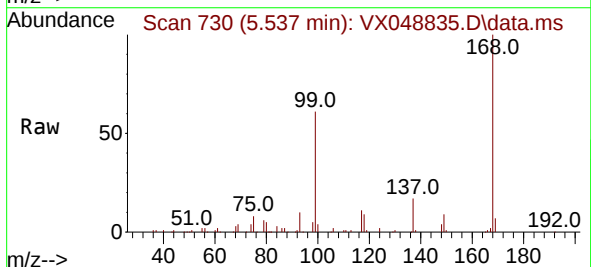
Instrument :
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OWBR-06-219-120925

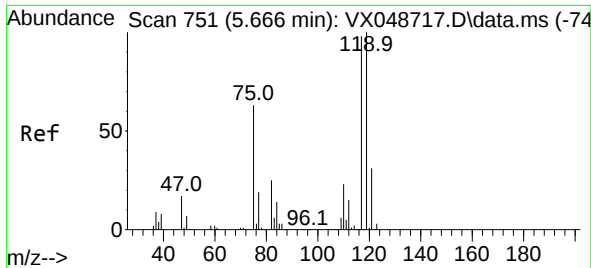
Tgt Ion:113 Resp: 103640
Ion Ratio Lower Upper
113 100
111 102.9 79.5 119.3
192 19.1 16.1 24.1



#36
1,1-Dichloropropene
Concen: 5.073 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX048835.D
Acq: 11 Dec 2025 18:23

Tgt Ion: 75 Resp: 14610
Ion Ratio Lower Upper
75 100
110 8.2 18.6 55.8#
77 0.0 25.3 37.9#

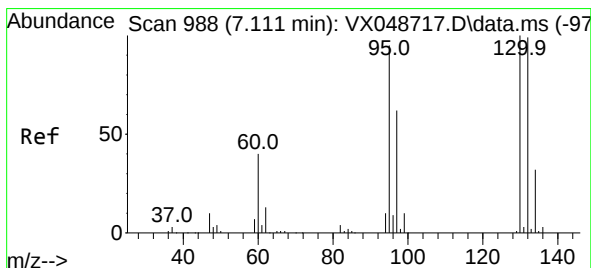
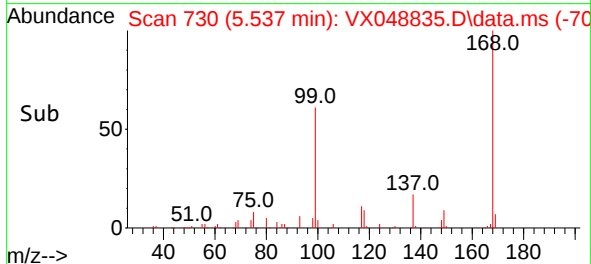
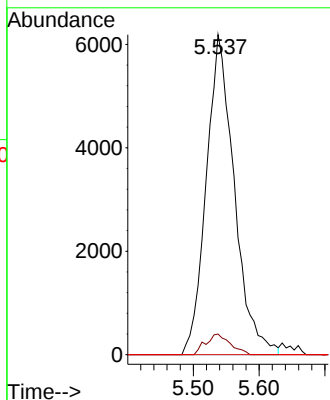
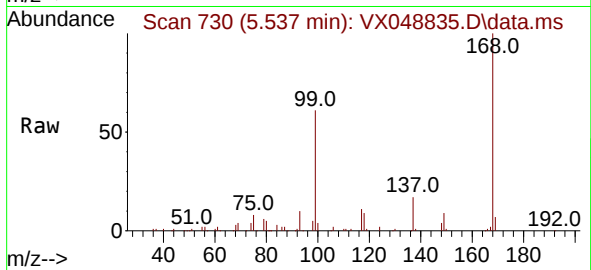




#38
Carbon Tetrachloride
Concen: 5.627 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048835.D
Acq: 11 Dec 2025 18:23

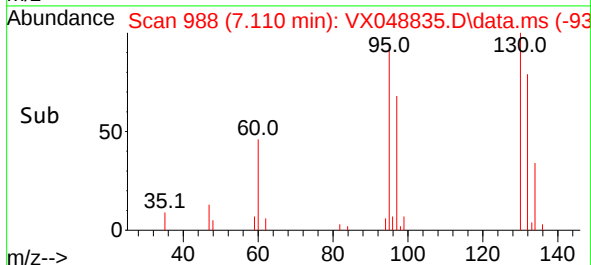
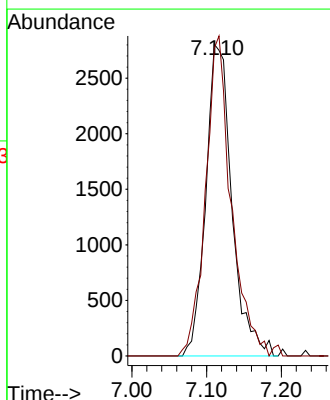
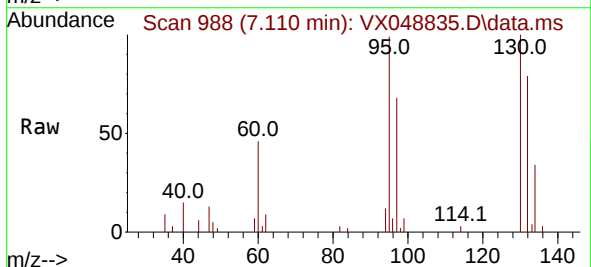
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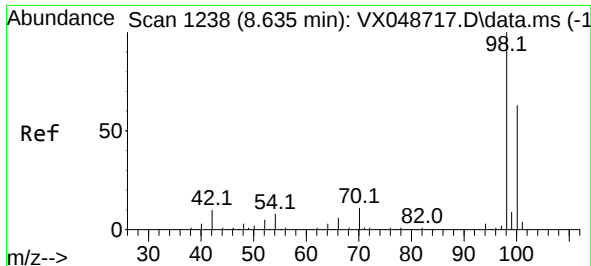
Tgt Ion:117 Resp: 18356
Ion Ratio Lower Upper
117 100
119 6.5 80.5 120.7#
121 0.0 25.4 38.0#



#44
Trichloroethene
Concen: 3.059 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048835.D
Acq: 11 Dec 2025 18:23

Tgt Ion:130 Resp: 6815
Ion Ratio Lower Upper
130 100
95 98.8 0.0 189.6

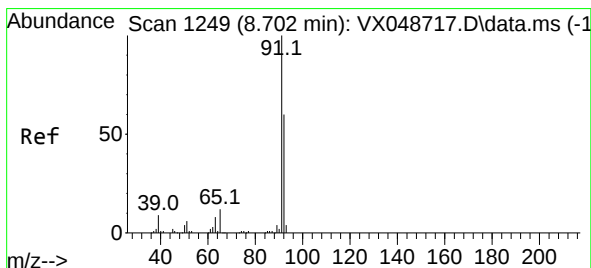
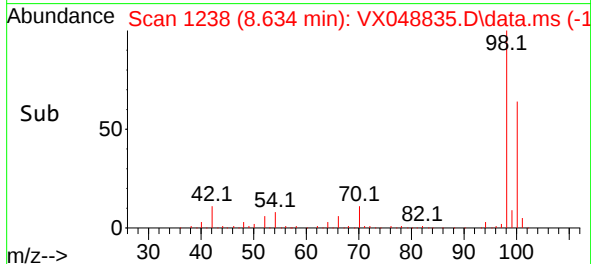
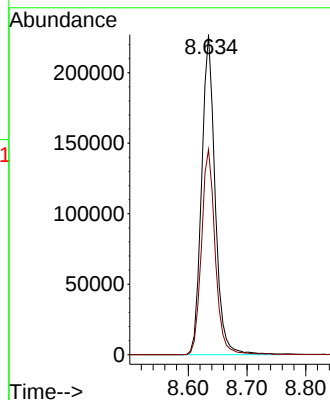
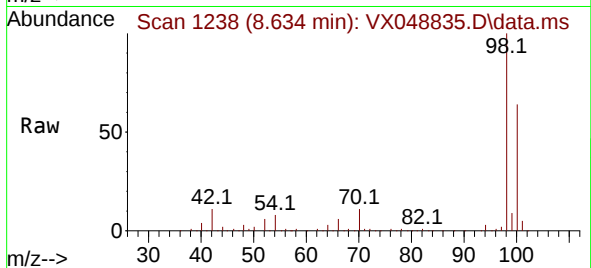




#50
Toluene-d8
Concen: 49.253 ug/l
RT: 8.634 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048835.D
Acq: 11 Dec 2025 18:23

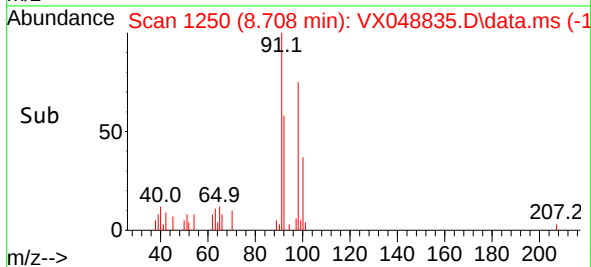
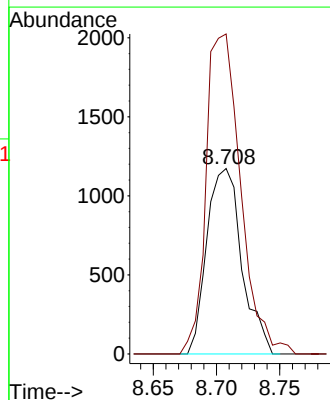
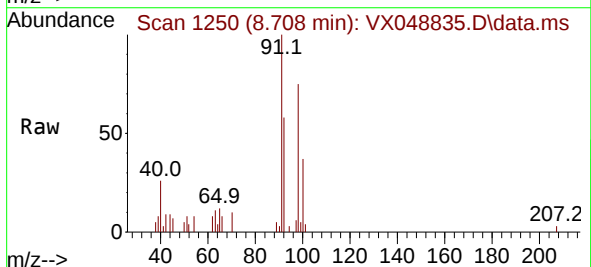
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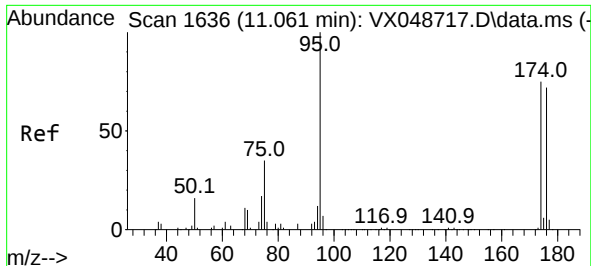
Tgt Ion: 98 Resp: 363009
Ion Ratio Lower Upper
98 100
100 65.3 53.4 80.0



#52
Toluene
Concen: 0.438 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX048835.D
Acq: 11 Dec 2025 18:23

Tgt Ion: 92 Resp: 2253
Ion Ratio Lower Upper
92 100
91 170.8 136.3 204.5

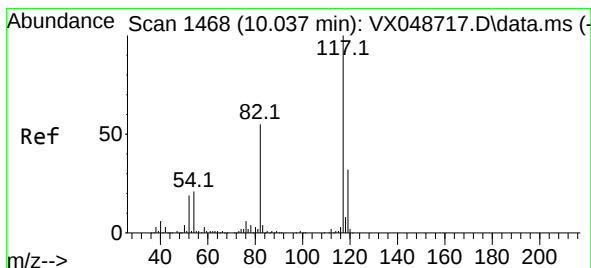
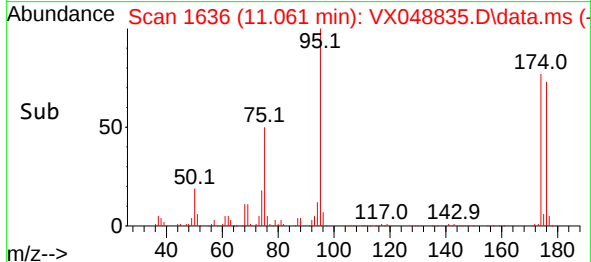
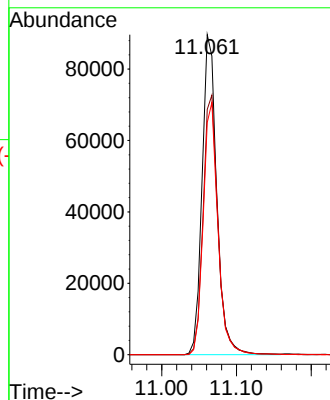
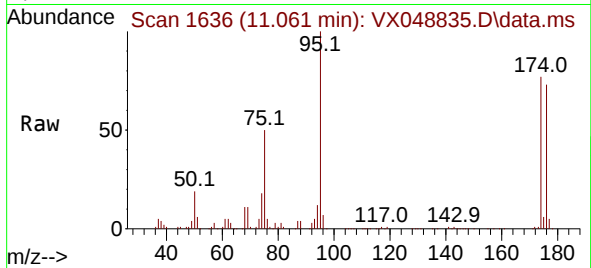




#62
4-Bromofluorobenzene
Concen: 48.020 ug/l
RT: 11.061 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048835.D
Acq: 11 Dec 2025 18:23

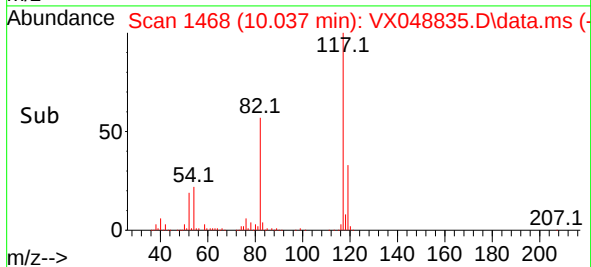
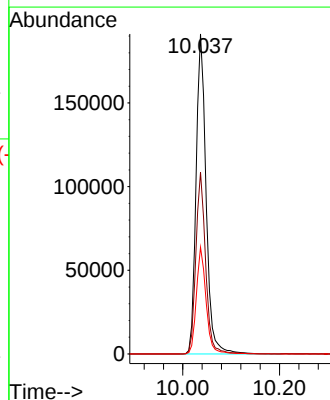
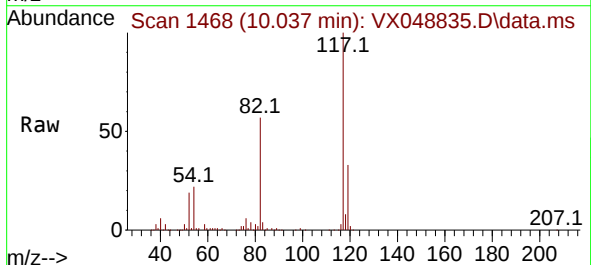
Instrument :
MSVOA_X
ClientSampleId :
OWBR-06-219-120925

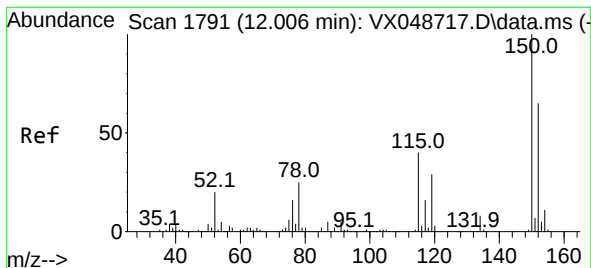
Tgt Ion: 95 Resp: 122044
Ion Ratio Lower Upper
95 100
174 83.0 0.0 157.8
176 79.0 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048835.D
Acq: 11 Dec 2025 18:23

Tgt Ion: 117 Resp: 274085
Ion Ratio Lower Upper
117 100
82 56.8 44.1 66.1
119 33.4 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: VX048835.D

Acq: 11 Dec 2025 18:23

Instrument :

MSVOA_X

ClientSampleId :

OWBR-06-219-120925

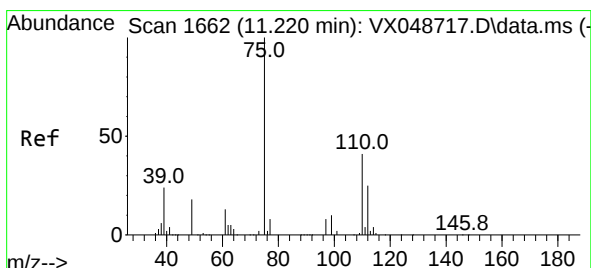
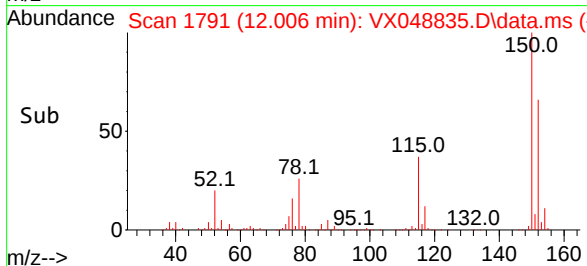
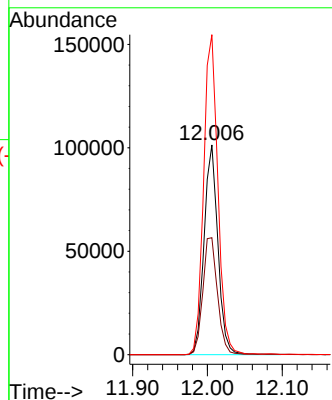
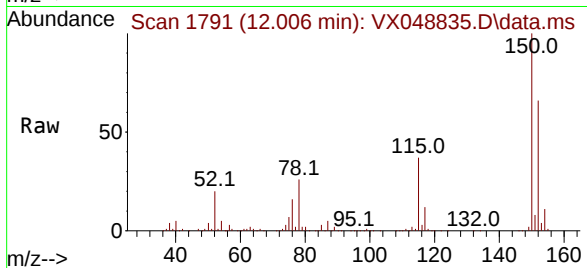
Tgt Ion:152 Resp: 130417

Ion Ratio Lower Upper

152 100

115 59.1 42.1 126.4

150 156.9 0.0 347.8



#76

1,2,3-Trichloropropane

Concen: 25.311 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX048835.D

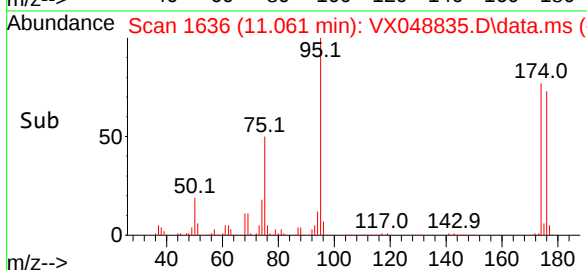
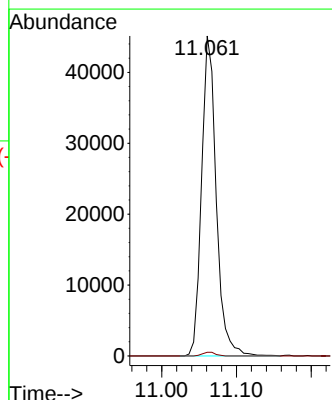
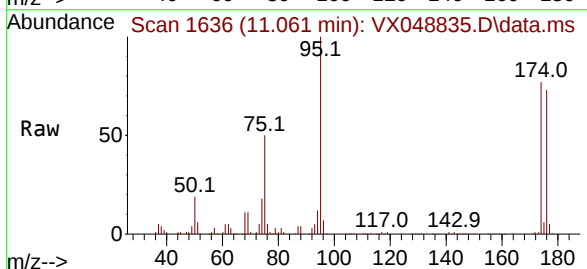
Acq: 11 Dec 2025 18:23

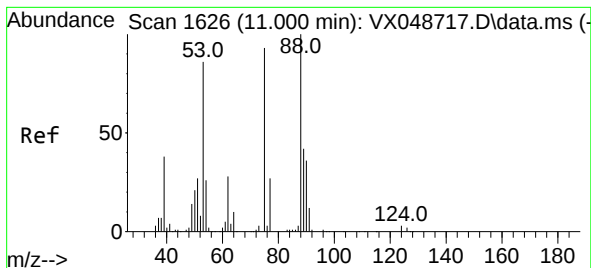
Tgt Ion: 75 Resp: 61481

Ion Ratio Lower Upper

75 100

77 1.0 24.3 73.0#

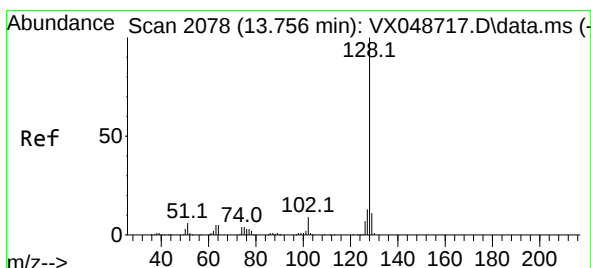
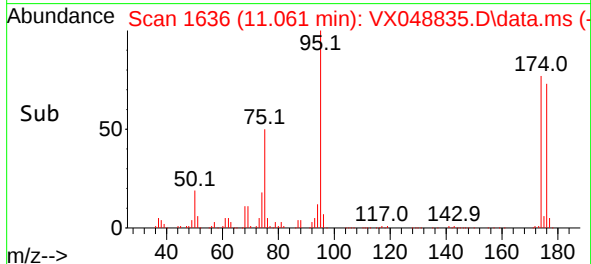
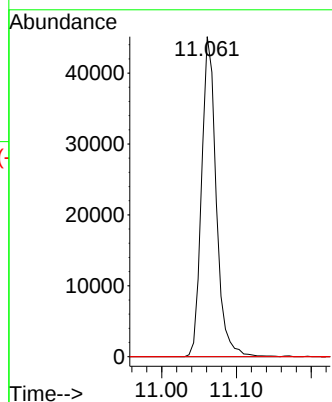
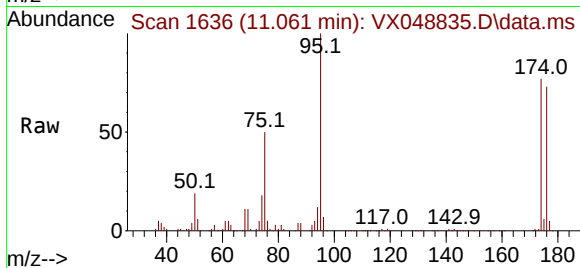




#81
trans-1,4-Dichloro-2-butene
Concen: 60.123 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048835.D
Acq: 11 Dec 2025 18:23

Instrument :
MSVOA_X
ClientSampleId :
OWBR-06-219-120925

Tgt Ion: 75 Resp: 61481
Ion Ratio Lower Upper
75 100
53 0.0 79.9 119.9#
89 0.0 67.1 100.7#



#95
Naphthalene
Concen: Below Cal
RT: 13.768 min Scan# 2080
Delta R.T. 0.012 min
Lab File: VX048835.D
Acq: 11 Dec 2025 18:23

Tgt Ion: 128 Resp: 176
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

