

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
 Data File : VX048856.D
 Acq On : 12 Dec 2025 15:42
 Operator : JC/MD
 Sample : Q3849-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OW-07B-65-121125

Quant Time: Dec 12 22:14:32 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

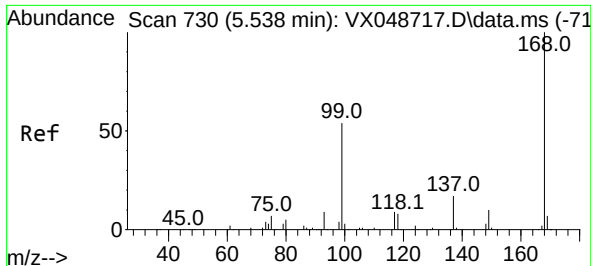
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.538	168	137566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	283716	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	314168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	163467	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	111675	60.483	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 120.960%#	
35) Dibromofluoromethane	5.373	113	97235	49.775	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.540%	
50) Toluene-d8	8.635	98	330139	48.212	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.420%	
62) 4-Bromofluorobenzene	11.061	95	141764	60.037	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 120.080%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.148	85	967	0.690	ug/l	86
4) Vinyl Chloride	1.380	62	1038	0.551	ug/l #	84
6) Chloroethane	1.697	64	662	0.565	ug/l #	62
9) 1,1,2-Trichlorotrifluo...	2.337	101	1012	0.647	ug/l #	65
12) 1,1-Dichloroethene	2.325	96	138025	86.405	ug/l	99
13) Acrolein	2.245	56	222	40.825	ug/l #	49
16) Acetone	2.380	43	2169	3.069	ug/l	94
18) Methyl Acetate	2.691	43	640	0.322	ug/l #	51
21) trans-1,2-Dichloroethene	3.093	96	6500	3.987	ug/l	96
24) 1,1-Dichloroethane	3.605	63	21611	7.732	ug/l	97
25) 2-Butanone	4.562	43	568	0.544	ug/l #	46
26) 2,2-Dichloropropane	4.550	77	582	0.235	ug/l #	52
27) cis-1,2-Dichloroethene	4.477	96	217818	118.394	ug/l	96
31) Cyclohexane	5.550	56	2761	1.106	ug/l #	29
36) 1,1-Dichloropropene	5.544	75	11070	4.137	ug/l #	48
38) Carbon Tetrachloride	5.538	117	14000	4.619	ug/l #	13
42) 1,2-Dichloroethane	6.074	62	11408	4.064	ug/l	99
44) Trichloroethene	7.110	130	44794	21.644	ug/l	94
49) 1,4-Dioxane	7.647	88	1395	41.652	ug/l	96
76) 1,2,3-Trichloropropane	11.061	75	71975	23.640	ug/l #	30
81) trans-1,4-Dichloro-2-b...	11.061	75	71975	56.154	ug/l #	3
95) Naphthalene	13.768	128	159	Below Cal	#	69

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

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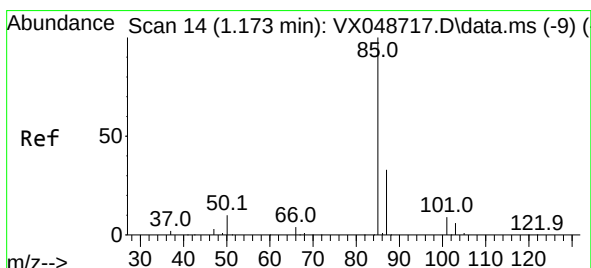
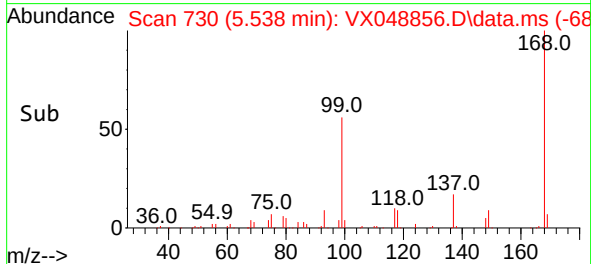
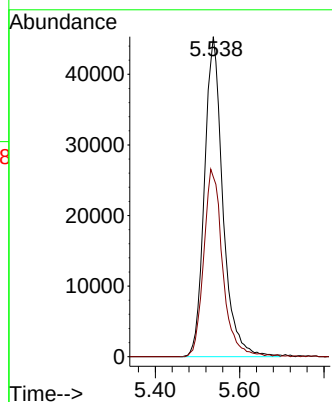
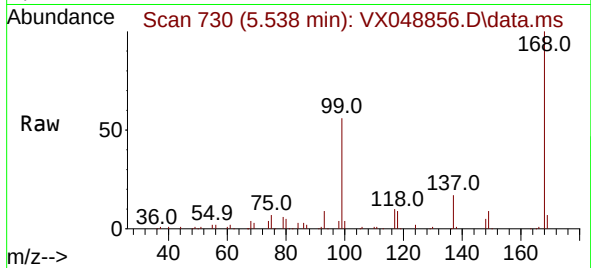




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048856.D
Acq: 12 Dec 2025 15:42

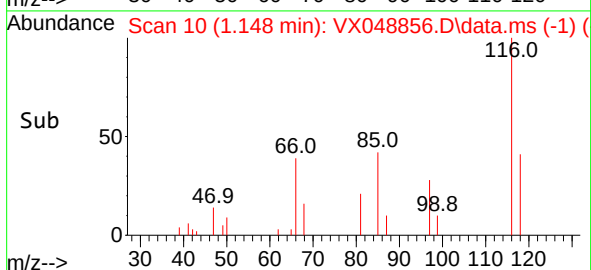
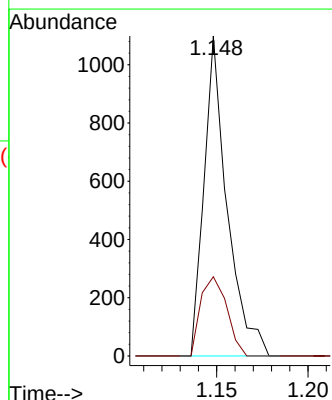
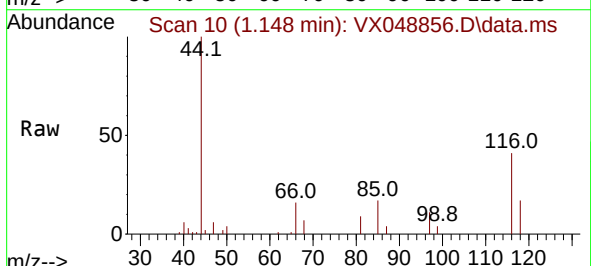
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-121125

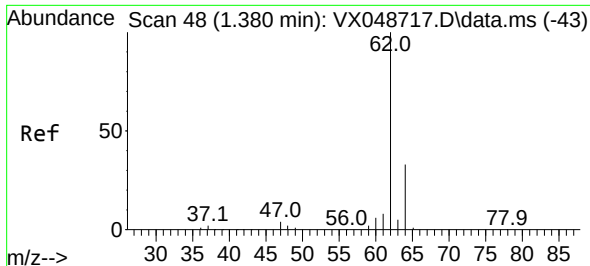
Tgt Ion:168 Resp: 137566
Ion Ratio Lower Upper
168 100
99 56.1 44.2 66.4



#2
Dichlorodifluoromethane
Concen: 0.690 ug/l
RT: 1.148 min Scan# 10
Delta R.T. -0.024 min
Lab File: VX048856.D
Acq: 12 Dec 2025 15:42

Tgt Ion: 85 Resp: 967
Ion Ratio Lower Upper
85 100
87 24.7 16.4 49.1

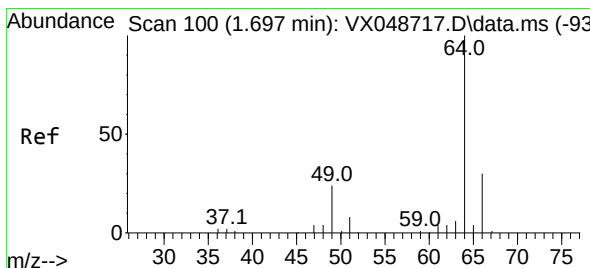
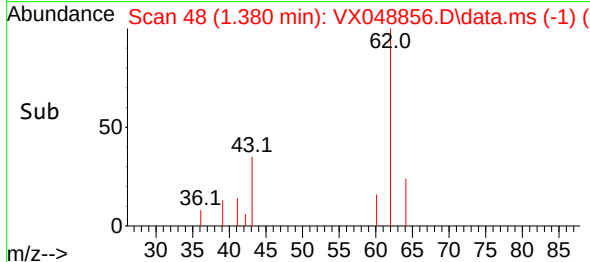
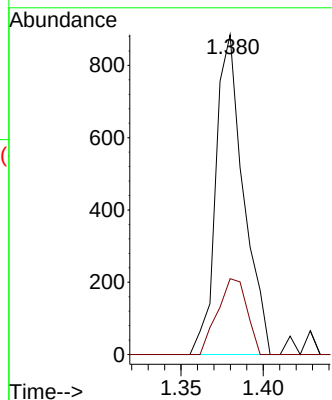
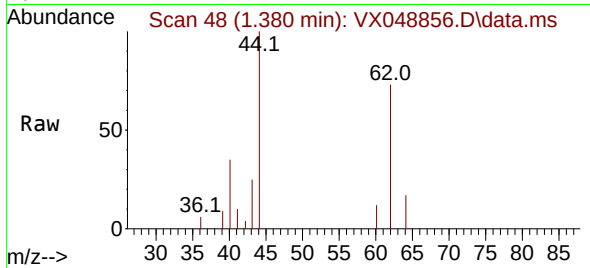




#4
 Vinyl Chloride
 Concen: 0.551 ug/l
 RT: 1.380 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX048856.D
 Acq: 12 Dec 2025 15:42

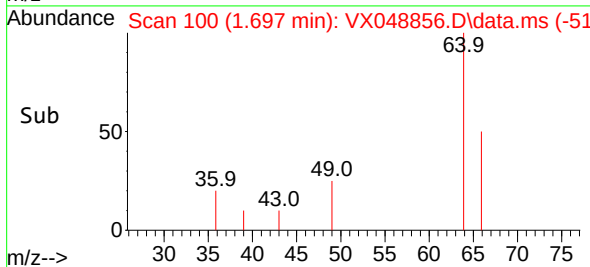
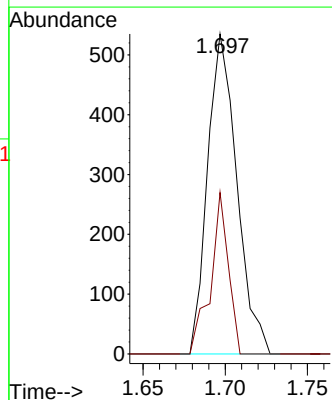
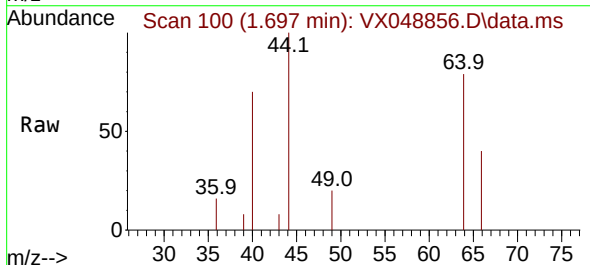
Instrument :
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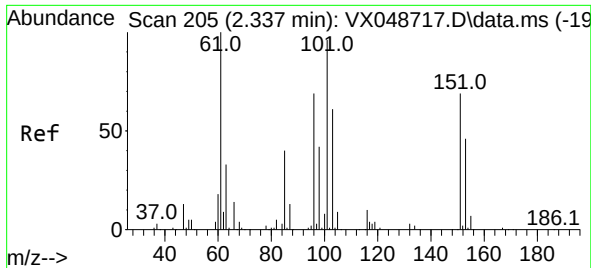
Tgt Ion: 62 Resp: 1038
 Ion Ratio Lower Upper
 62 100
 64 23.7 26.0 39.0#



#6
 Chloroethane
 Concen: 0.565 ug/l
 RT: 1.697 min Scan# 100
 Delta R.T. -0.000 min
 Lab File: VX048856.D
 Acq: 12 Dec 2025 15:42

Tgt Ion: 64 Resp: 662
 Ion Ratio Lower Upper
 64 100
 66 50.5 24.0 36.0#

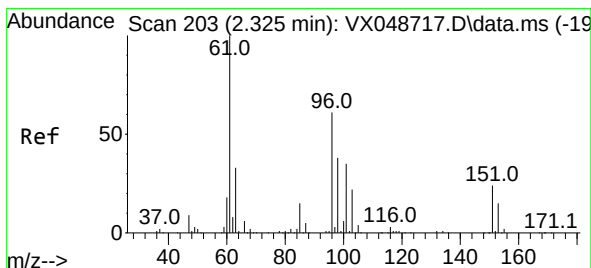
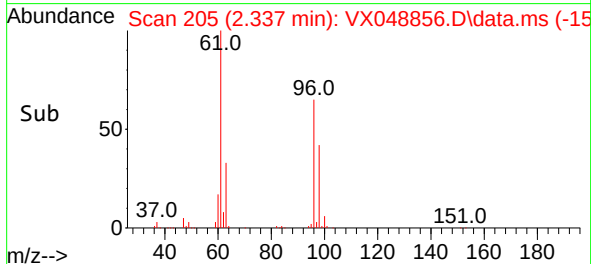
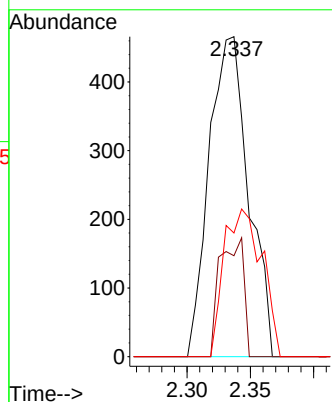
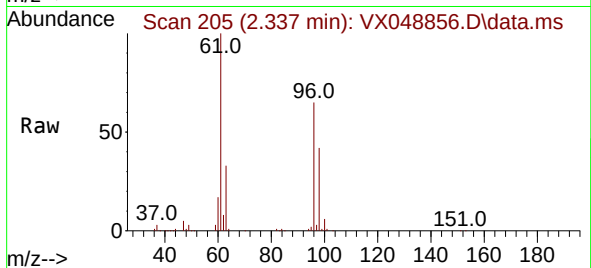




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.647 ug/l
 RT: 2.337 min Scan# 205
 Delta R.T. -0.000 min
 Lab File: VX048856.D
 Acq: 12 Dec 2025 15:42

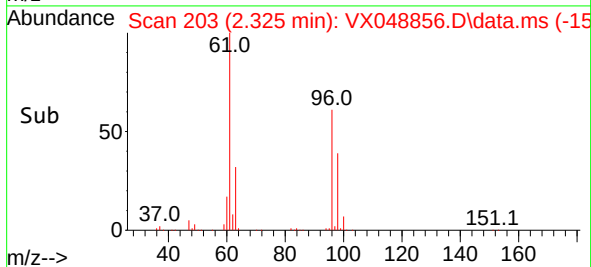
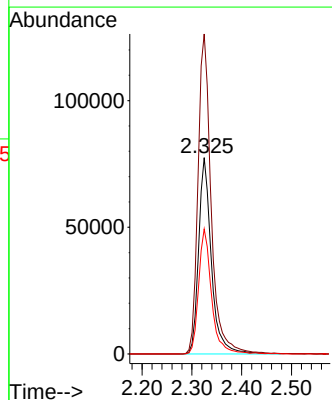
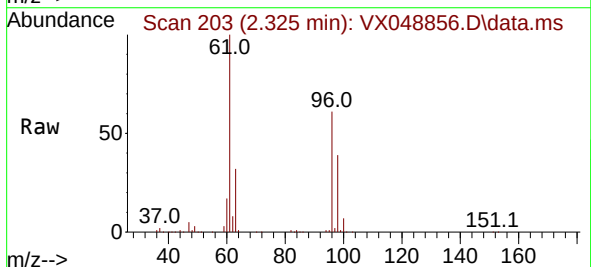
Instrument :
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 ClientSampleId :
 OW-07B-65-121125

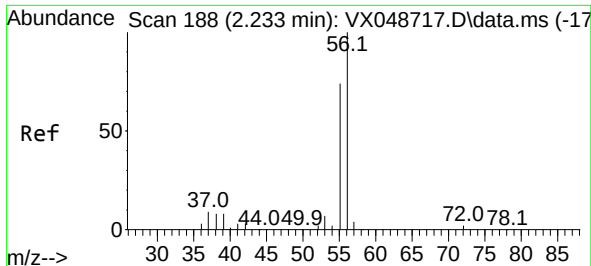
Tgt Ion:101 Resp: 1012
 Ion Ratio Lower Upper
 101 100
 85 22.3 34.2 51.2#
 151 44.3 60.2 90.4#



#12
 1,1-Dichloroethene
 Concen: 86.405 ug/l
 RT: 2.325 min Scan# 203
 Delta R.T. -0.000 min
 Lab File: VX048856.D
 Acq: 12 Dec 2025 15:42

Tgt Ion: 96 Resp: 138025
 Ion Ratio Lower Upper
 96 100
 61 163.0 130.7 196.1
 98 63.7 49.8 74.8

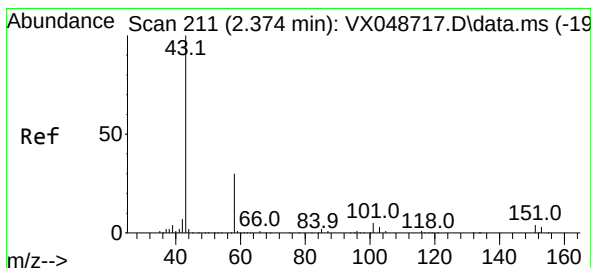
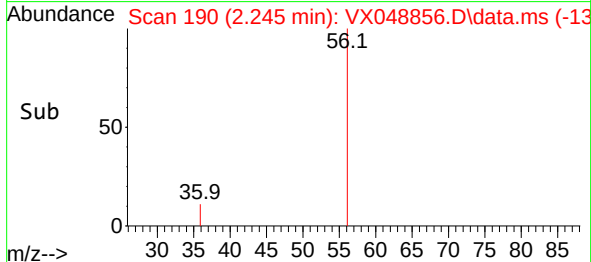
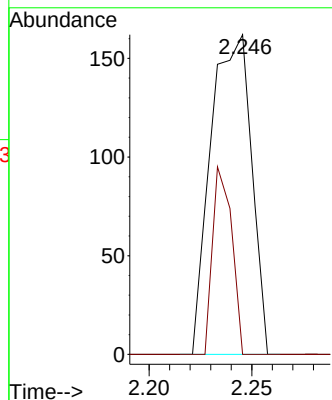
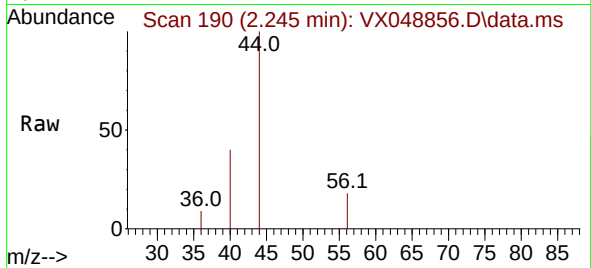




#13
Acrolein
Concen: 40.825 ug/l
RT: 2.245 min Scan# 188
Delta R.T. 0.012 min
Lab File: VX048856.D
Acq: 12 Dec 2025 15:42

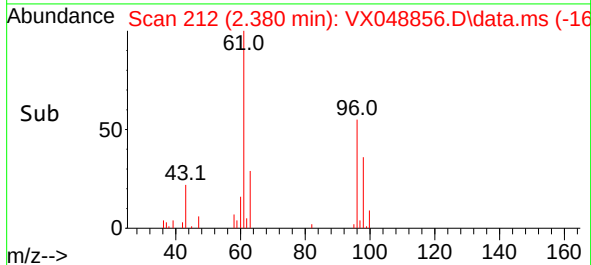
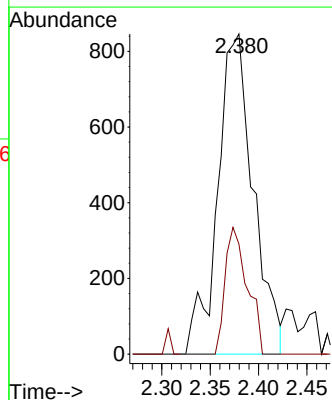
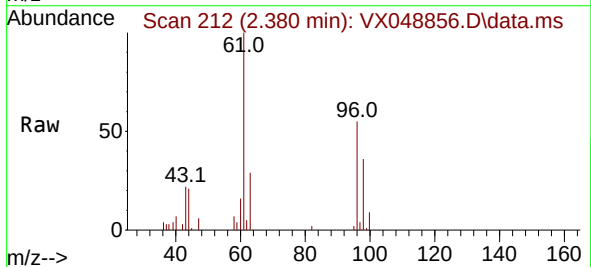
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-121125

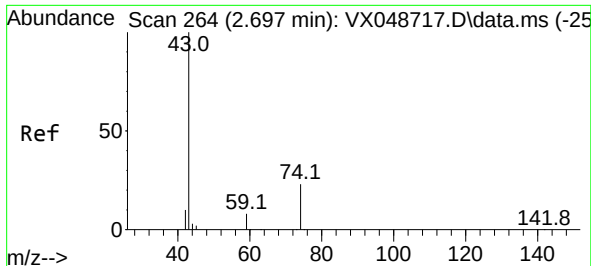
Tgt Ion: 56 Resp: 222
Ion Ratio Lower Upper
56 100
55 27.9 55.8 83.6#



#16
Acetone
Concen: 3.069 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048856.D
Acq: 12 Dec 2025 15:42

Tgt Ion: 43 Resp: 2169
Ion Ratio Lower Upper
43 100
58 34.4 25.0 37.4

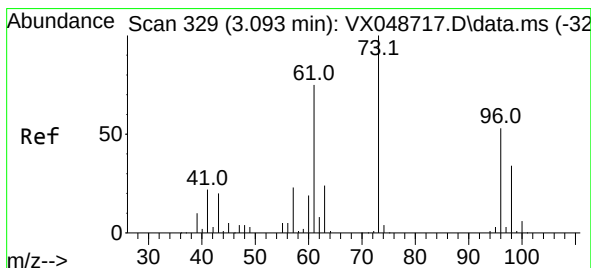
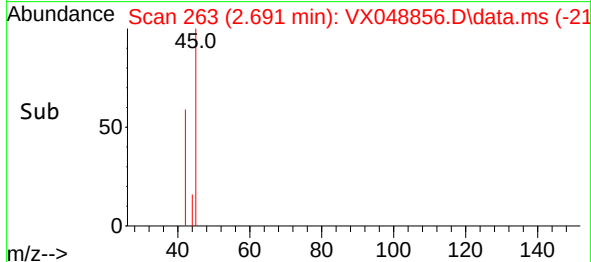
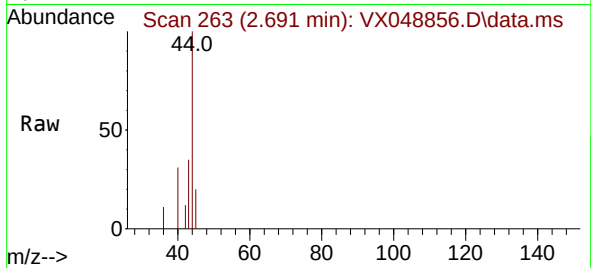




#18
Methyl Acetate
Concen: 0.322 ug/l
RT: 2.691 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX048856.D
Acq: 12 Dec 2025 15:42

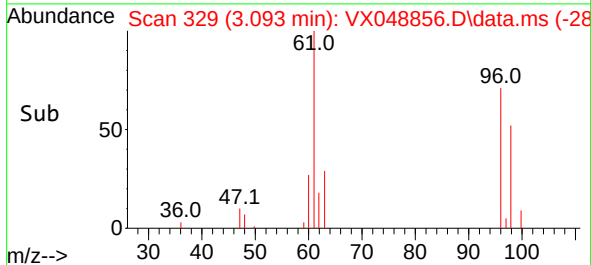
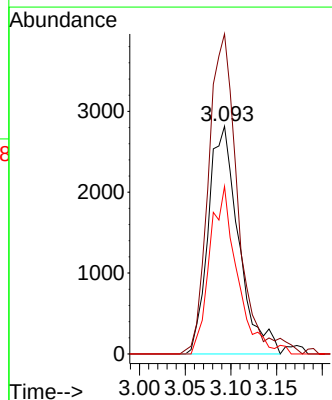
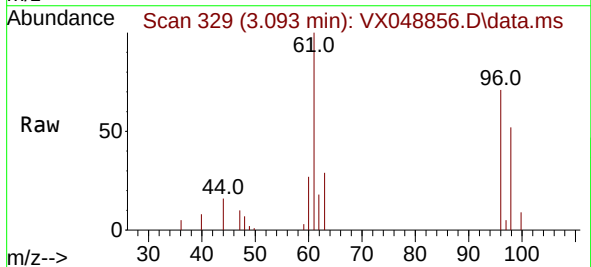
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ClientSampleId :
OW-07B-65-121125

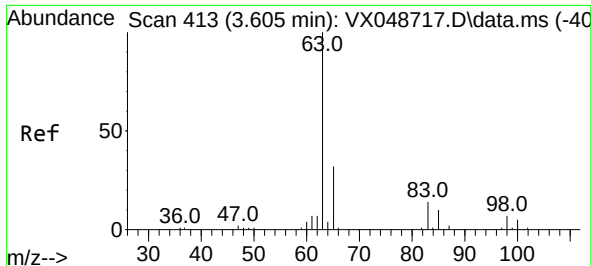
Tgt Ion: 43 Resp: 640
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#21
trans-1,2-Dichloroethene
Concen: 3.987 ug/l
RT: 3.093 min Scan# 329
Delta R.T. -0.000 min
Lab File: VX048856.D
Acq: 12 Dec 2025 15:42

Tgt Ion: 96 Resp: 6500
Ion Ratio Lower Upper
96 100
61 140.5 112.8 169.2
98 73.5 51.0 76.4

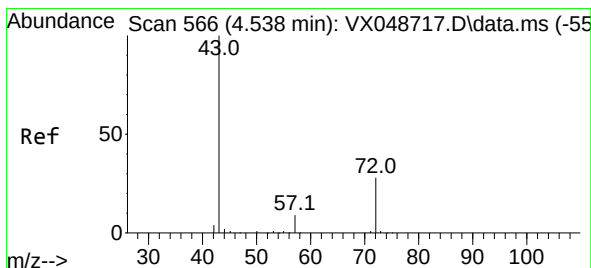
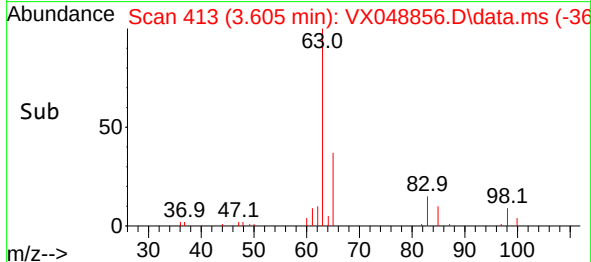
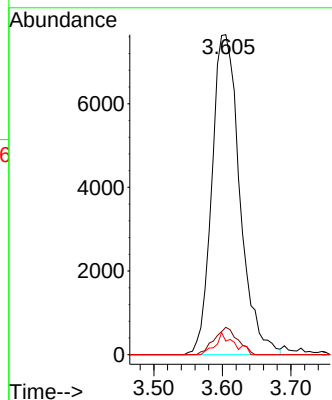
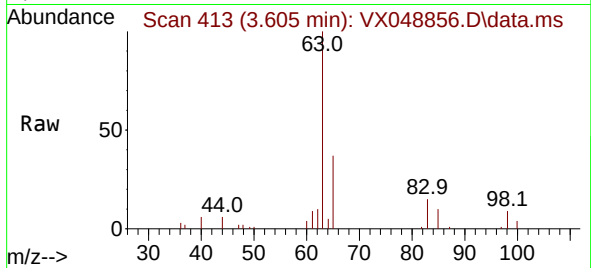




#24
1,1-Dichloroethane
Concen: 7.732 ug/l
RT: 3.605 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX048856.D
Acq: 12 Dec 2025 15:42

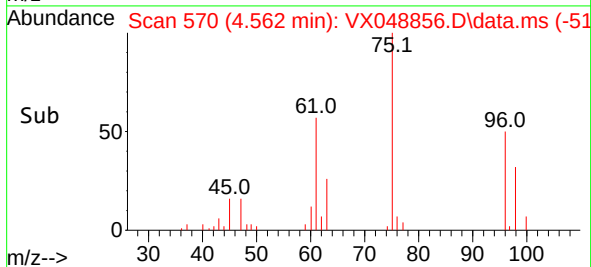
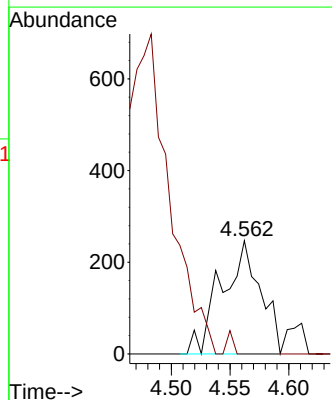
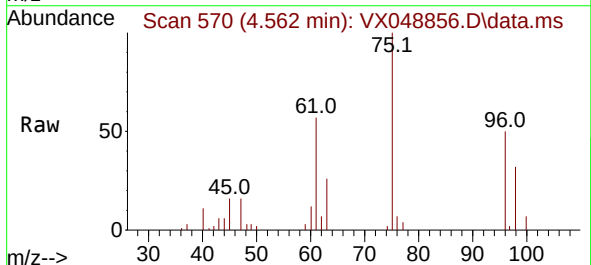
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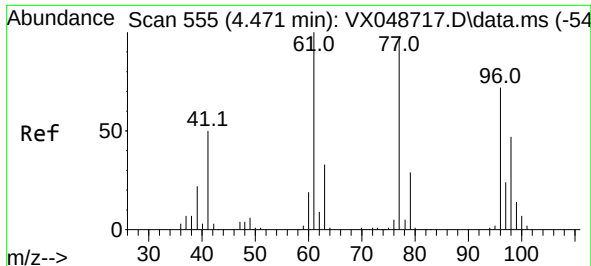
Tgt Ion:	63	Resp:	21611
Ion Ratio	Lower	Upper	
63	100		
98	8.6	3.5	10.6
100	4.2	2.5	7.4



#25
2-Butanone
Concen: 0.544 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.024 min
Lab File: VX048856.D
Acq: 12 Dec 2025 15:42

Tgt Ion:	43	Resp:	568
Ion Ratio	Lower	Upper	
43	100		
72	0.0	22.6	34.0#

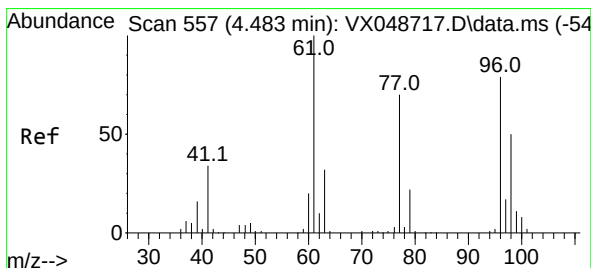
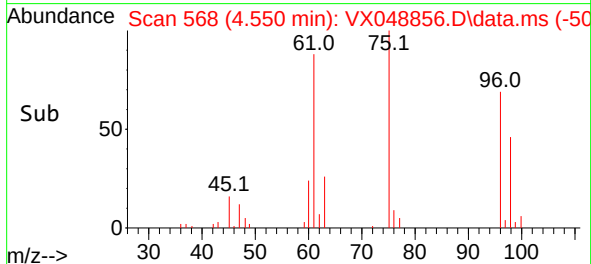
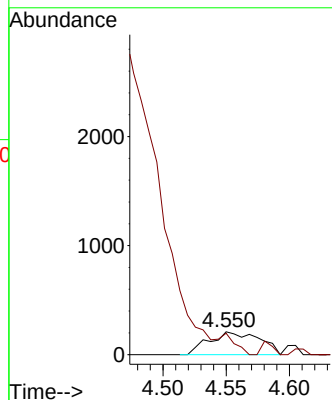
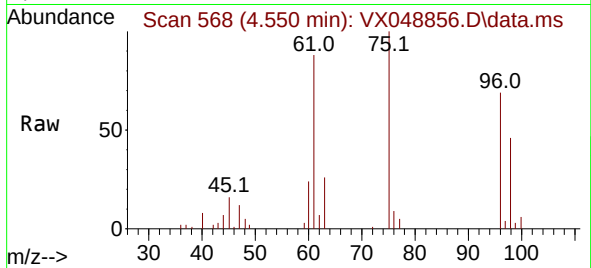




#26
2,2-Dichloropropane
Concen: 0.235 ug/l
RT: 4.550 min Scan# 556
Delta R.T. 0.079 min
Lab File: VX048856.D
Acq: 12 Dec 2025 15:42

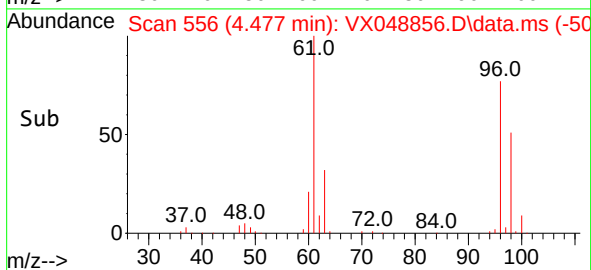
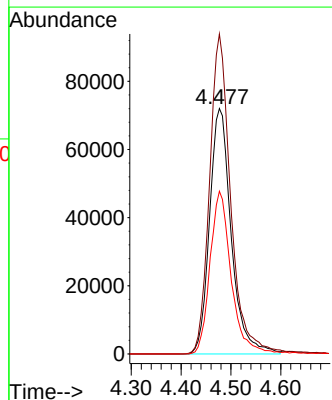
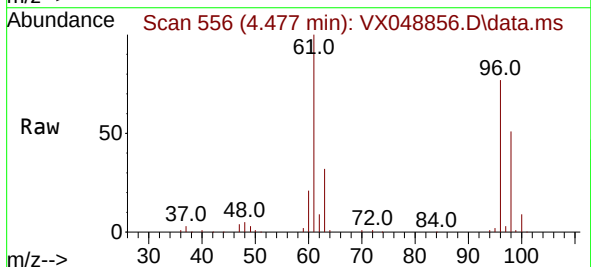
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-121125

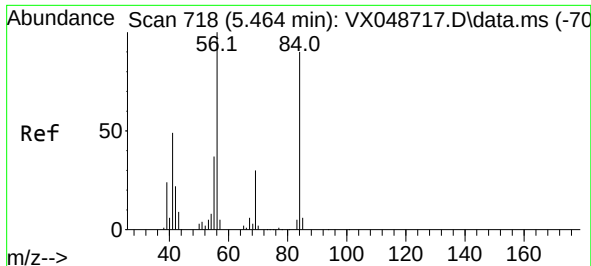
Tgt Ion: 77 Resp: 582
Ion Ratio Lower Upper
77 100
97 0.0 11.6 34.8#



#27
cis-1,2-Dichloroethene
Concen: 118.394 ug/l
RT: 4.477 min Scan# 556
Delta R.T. -0.006 min
Lab File: VX048856.D
Acq: 12 Dec 2025 15:42

Tgt Ion: 96 Resp: 217818
Ion Ratio Lower Upper
96 100
61 127.6 0.0 271.0
98 65.0 0.0 130.2

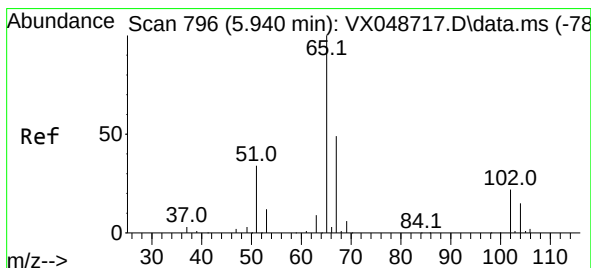
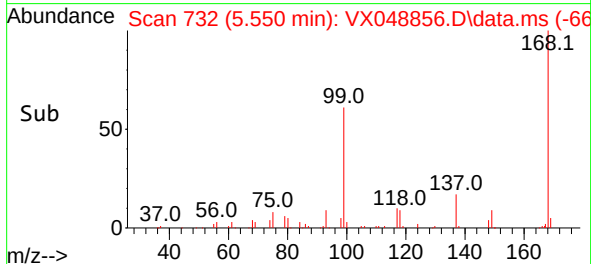
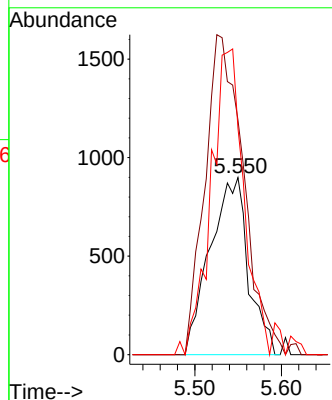
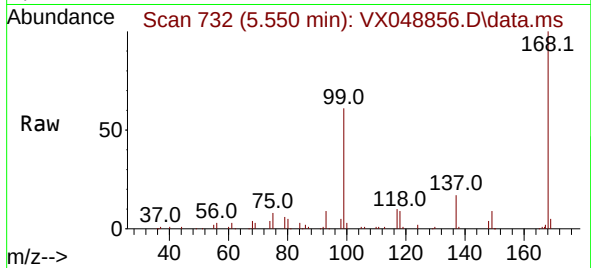




#31
Cyclohexane
Concen: 1.106 ug/l
RT: 5.550 min Scan# 718
Delta R.T. 0.085 min
Lab File: VX048856.D
Acq: 12 Dec 2025 15:42

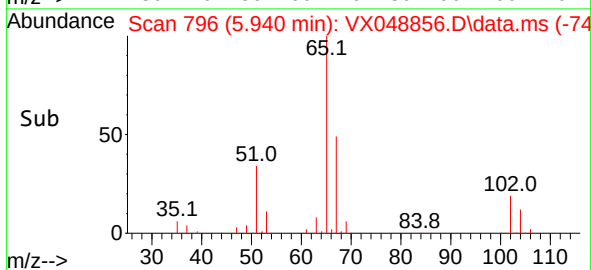
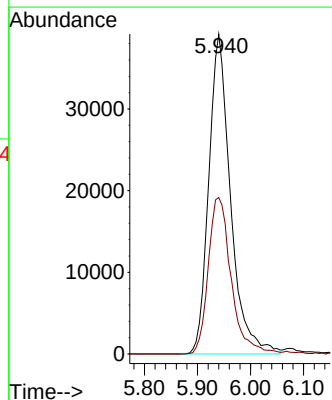
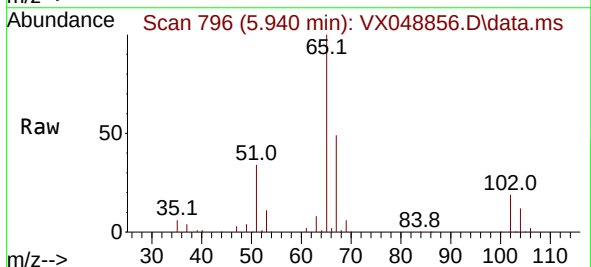
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-121125

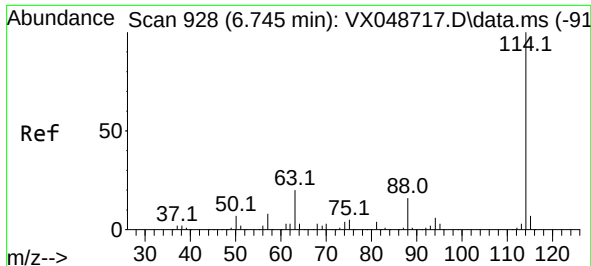
Tgt Ion: 56 Resp: 2761
Ion Ratio Lower Upper
56 100
69 132.5 24.2 36.2#
84 120.6 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 60.483 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048856.D
Acq: 12 Dec 2025 15:42

Tgt Ion: 65 Resp: 111675
Ion Ratio Lower Upper
65 100
67 51.4 0.0 107.4

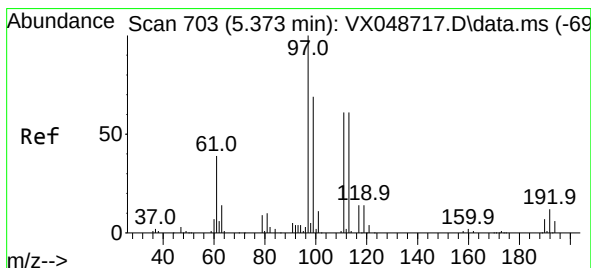
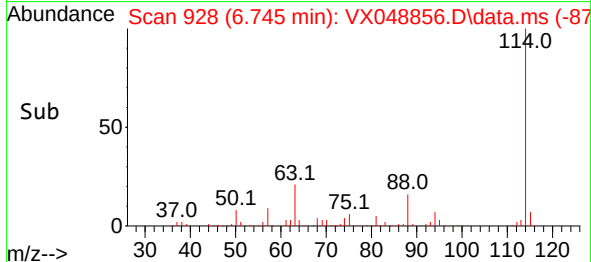
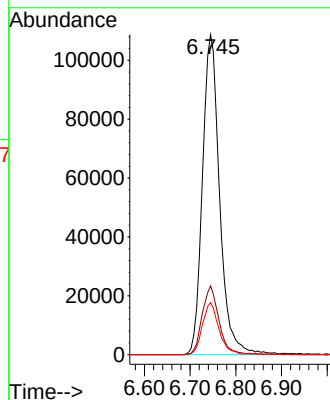
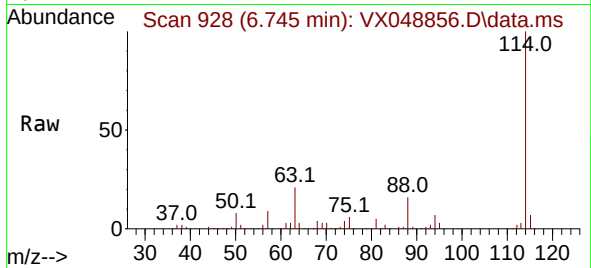




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048856.D
Acq: 12 Dec 2025 15:42

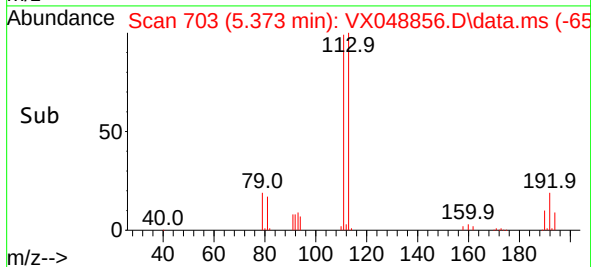
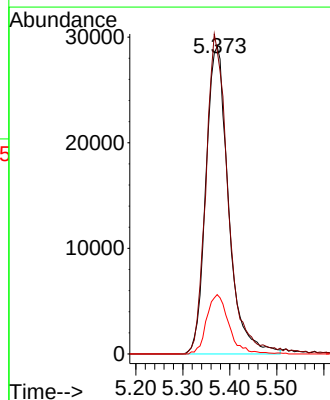
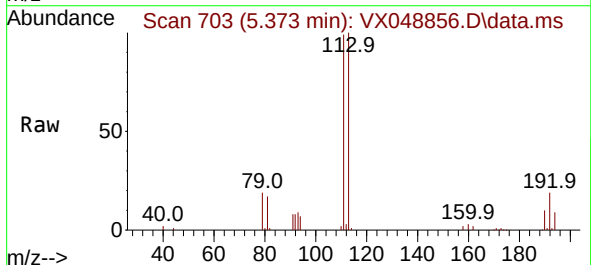
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-121125

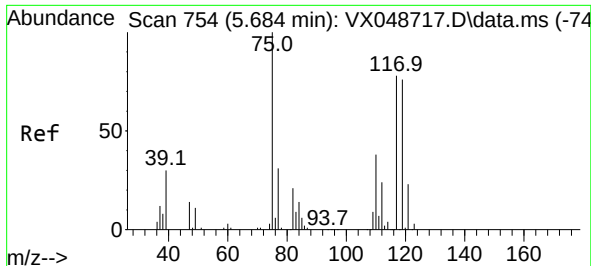
Tgt Ion:114 Resp: 283716
Ion Ratio Lower Upper
114 100
63 21.5 0.0 39.0
88 16.3 0.0 31.8



#35
Dibromofluoromethane
Concen: 49.775 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048856.D
Acq: 12 Dec 2025 15:42

Tgt Ion:113 Resp: 97235
Ion Ratio Lower Upper
113 100
111 103.1 79.5 119.3
192 19.0 16.1 24.1

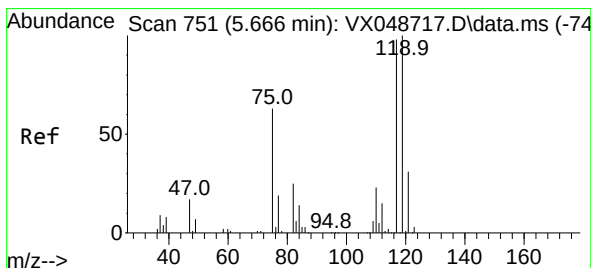
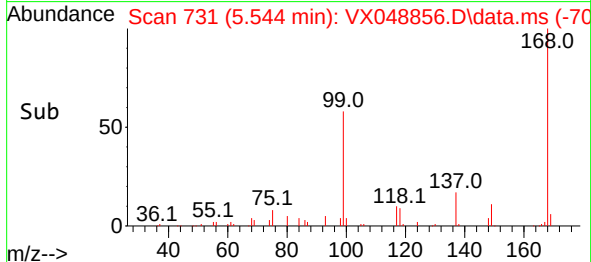
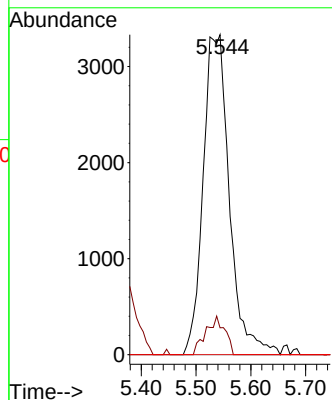
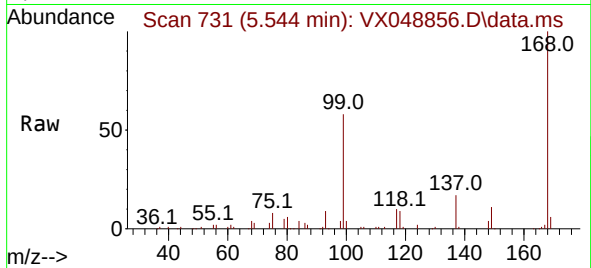




#36
1,1-Dichloropropene
Concen: 4.137 ug/l
RT: 5.544 min Scan# 710
Delta R.T. -0.140 min
Lab File: VX048856.D
Acq: 12 Dec 2025 15:42

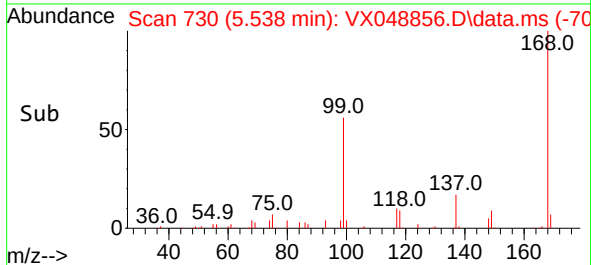
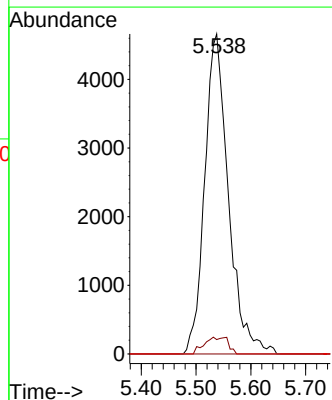
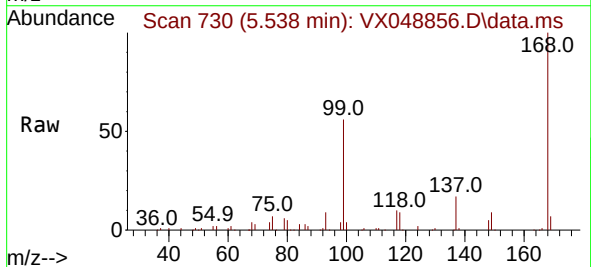
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-121125

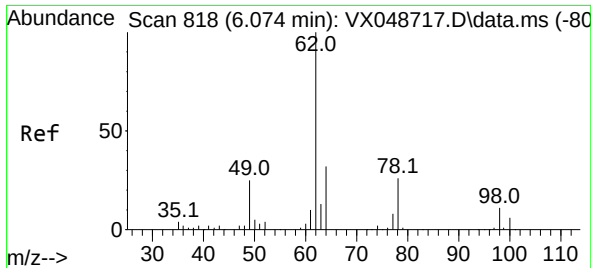
Tgt Ion: 75 Resp: 11070
Ion Ratio Lower Upper
75 100
110 8.7 18.6 55.8#
77 0.0 25.3 37.9#



#38
Carbon Tetrachloride
Concen: 4.619 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.128 min
Lab File: VX048856.D
Acq: 12 Dec 2025 15:42

Tgt Ion: 117 Resp: 14000
Ion Ratio Lower Upper
117 100
119 4.5 80.5 120.7#
121 0.0 25.4 38.0#

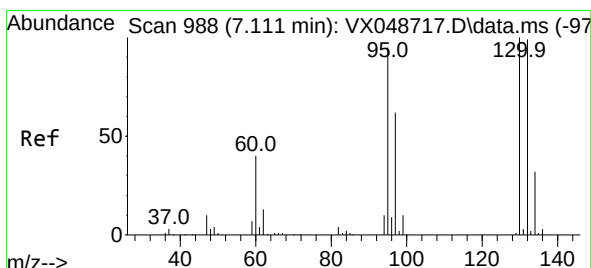
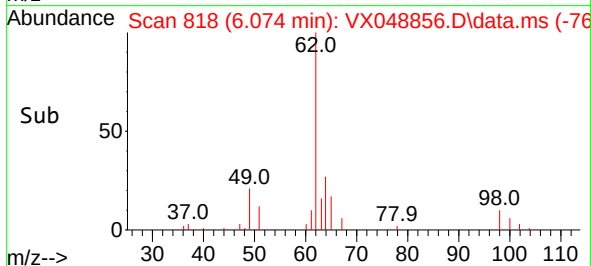
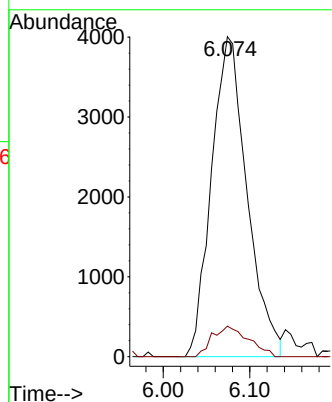
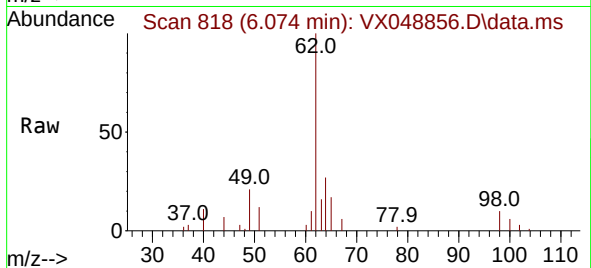




#42
1,2-Dichloroethane
Concen: 4.064 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX048856.D
Acq: 12 Dec 2025 15:42

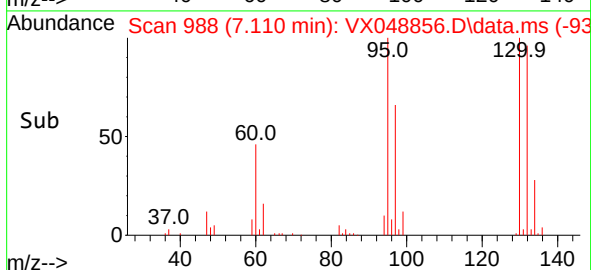
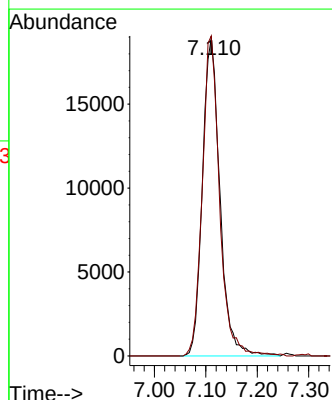
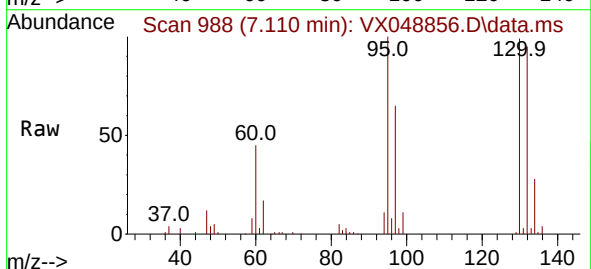
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-121125

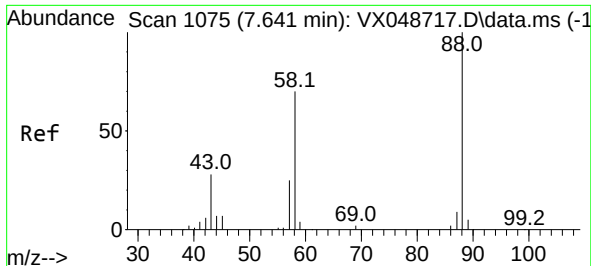
Tgt Ion: 62 Resp: 11408
Ion Ratio Lower Upper
62 100
98 9.7 0.0 20.2



#44
Trichloroethene
Concen: 21.644 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX048856.D
Acq: 12 Dec 2025 15:42

Tgt Ion:130 Resp: 44794
Ion Ratio Lower Upper
130 100
95 100.8 0.0 189.6





#49

1,4-Dioxane

Concen: 41.652 ug/l

RT: 7.647 min Scan# 1075

Delta R.T. 0.006 min

Lab File: VX048856.D

Acq: 12 Dec 2025 15:42

Instrument :

MSVOA_X

ClientSampleId :

OW-07B-65-121125

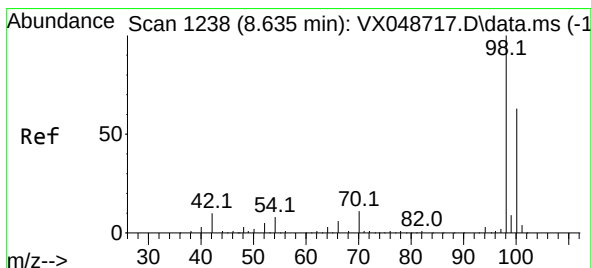
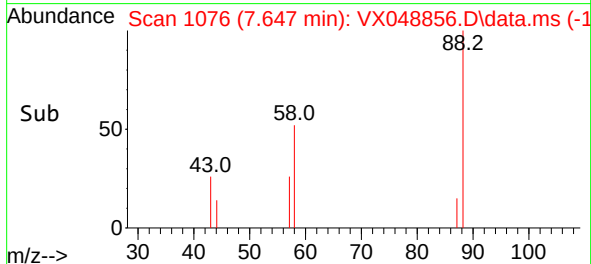
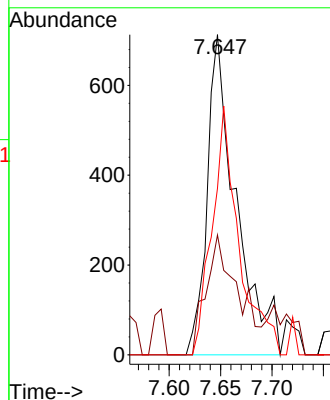
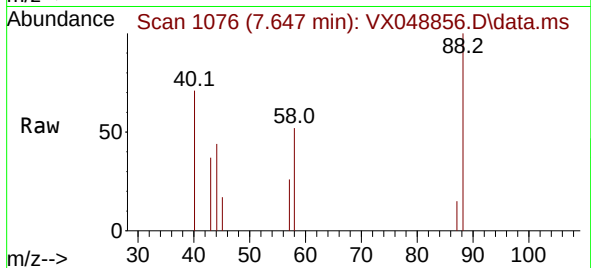
Tgt Ion: 88 Resp: 1395

Ion Ratio Lower Upper

88 100

43 41.6 28.6 43.0

58 72.2 58.0 87.0



#50

Toluene-d8

Concen: 48.212 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048856.D

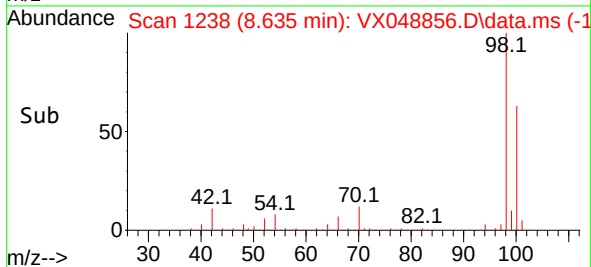
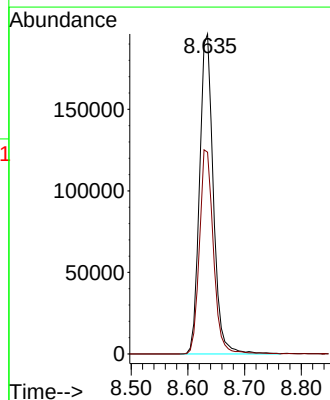
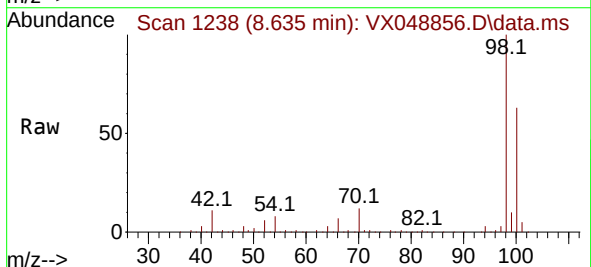
Acq: 12 Dec 2025 15:42

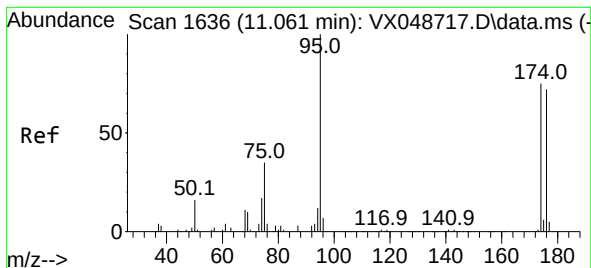
Tgt Ion: 98 Resp: 330139

Ion Ratio Lower Upper

98 100

100 64.9 53.4 80.0

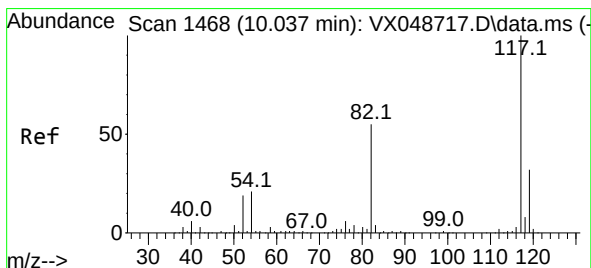
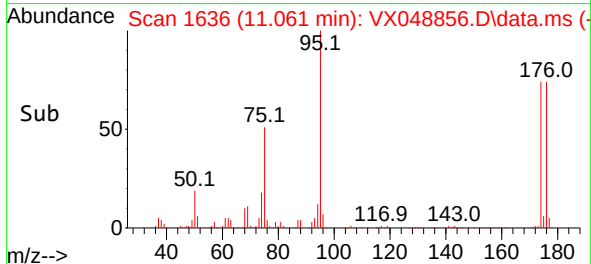
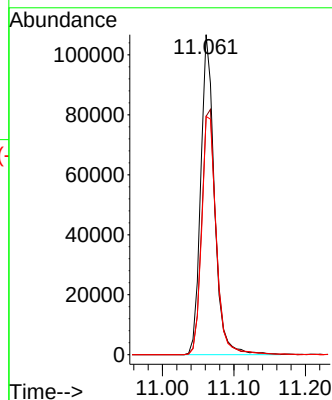
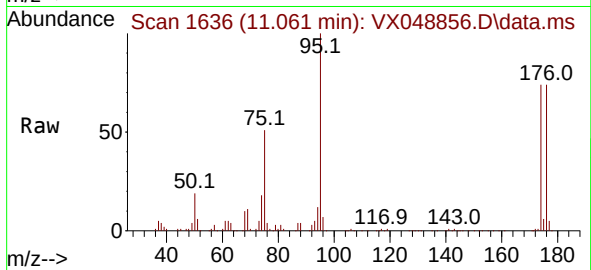




#62
4-Bromofluorobenzene
Concen: 60.037 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048856.D
Acq: 12 Dec 2025 15:42

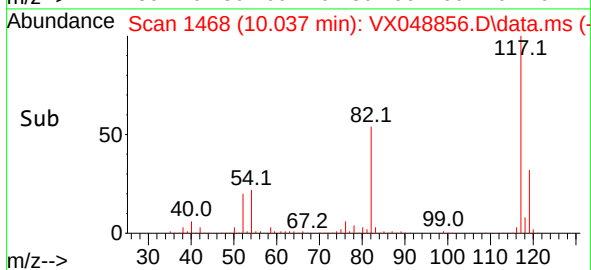
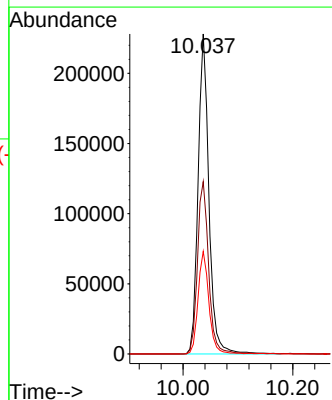
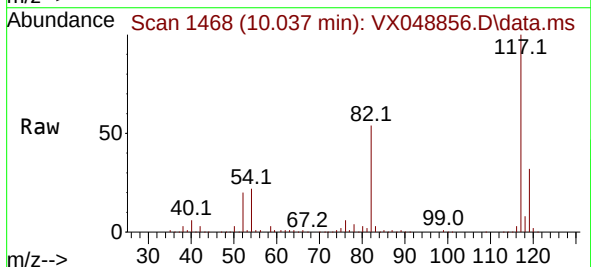
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-121125

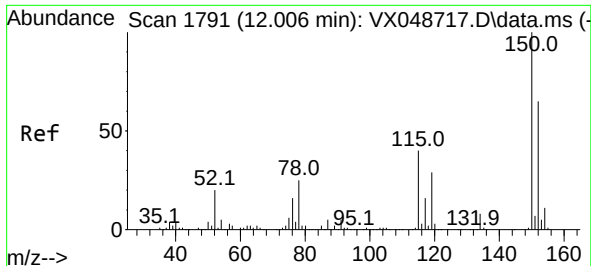
Tgt Ion: 95 Resp: 141764
Ion Ratio Lower Upper
95 100
174 81.3 0.0 157.8
176 79.7 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048856.D
Acq: 12 Dec 2025 15:42

Tgt Ion: 117 Resp: 314168
Ion Ratio Lower Upper
117 100
82 53.8 44.1 66.1
119 32.0 25.2 37.8

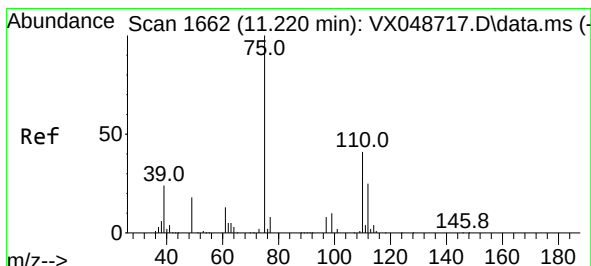
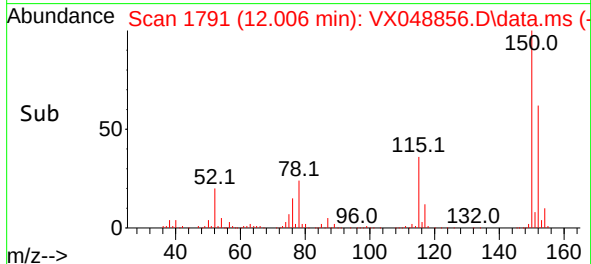
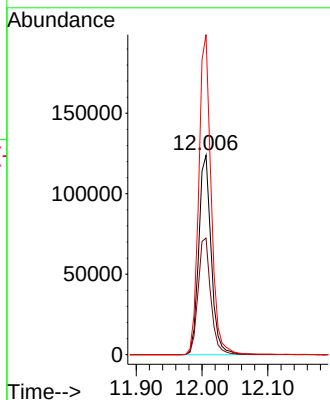
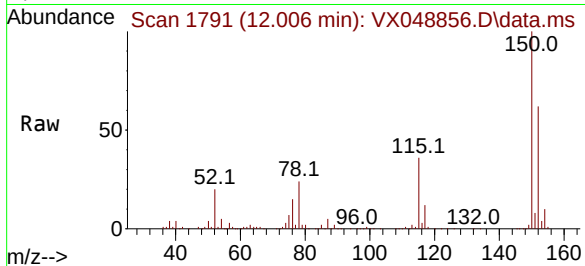




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX048856.D
 Acq: 12 Dec 2025 15:42

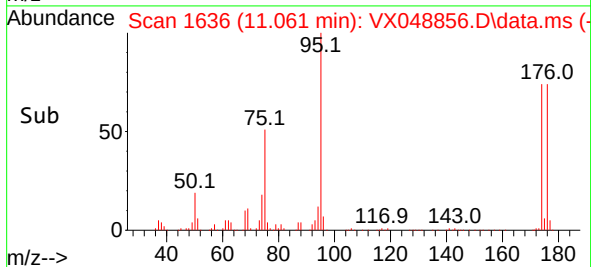
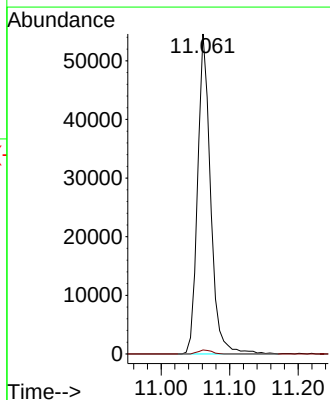
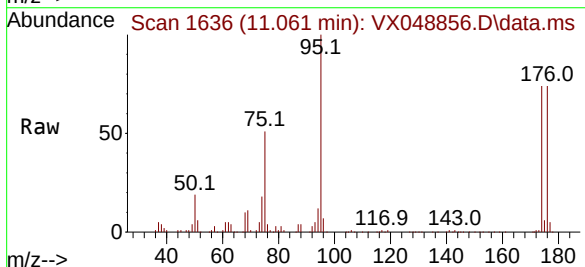
Instrument :
 MSVOA_X
 ClientSampleId :
 OW-07B-65-121125

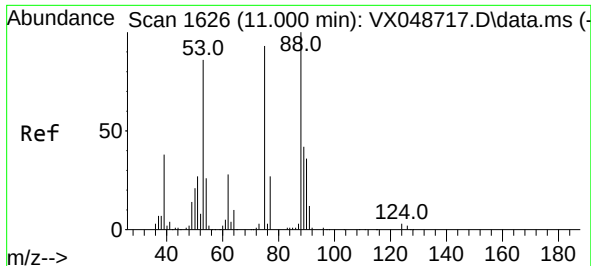
Tgt Ion:152 Resp: 163467
 Ion Ratio Lower Upper
 152 100
 115 59.8 42.1 126.4
 150 158.8 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 23.640 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048856.D
 Acq: 12 Dec 2025 15:42

Tgt Ion: 75 Resp: 71975
 Ion Ratio Lower Upper
 75 100
 77 1.3 24.3 73.0#

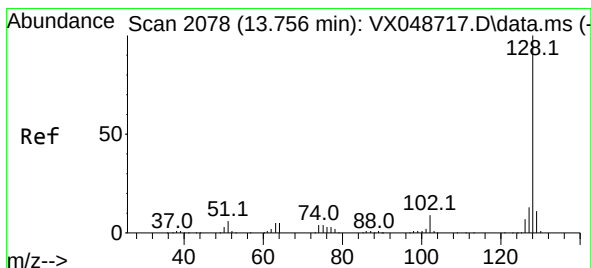
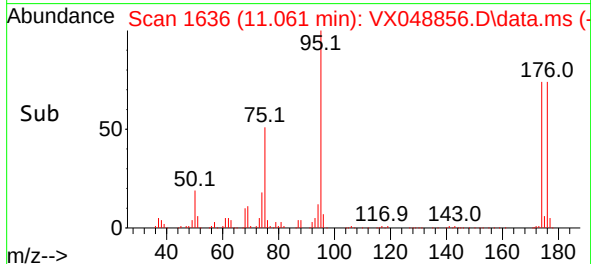
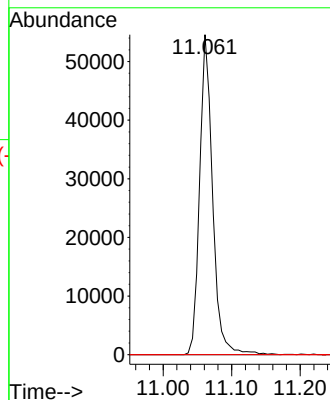
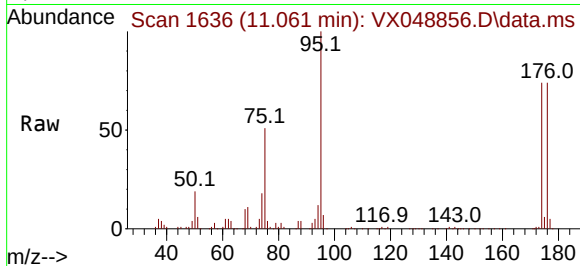




#81
trans-1,4-Dichloro-2-butene
Concen: 56.154 ug/l
RT: 11.061 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX048856.D
Acq: 12 Dec 2025 15:42

Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-121125

Tgt Ion: 75 Resp: 71975
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: VX048856.D
Acq: 12 Dec 2025 15:42

Tgt Ion:128 Resp: 159
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.6 13.0#

