

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
 Data File : VX048855.D
 Acq On : 12 Dec 2025 15:20
 Operator : JC/MD
 Sample : Q3848-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-57.5-121125-FD

Quant Time: Dec 12 22:14:06 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)

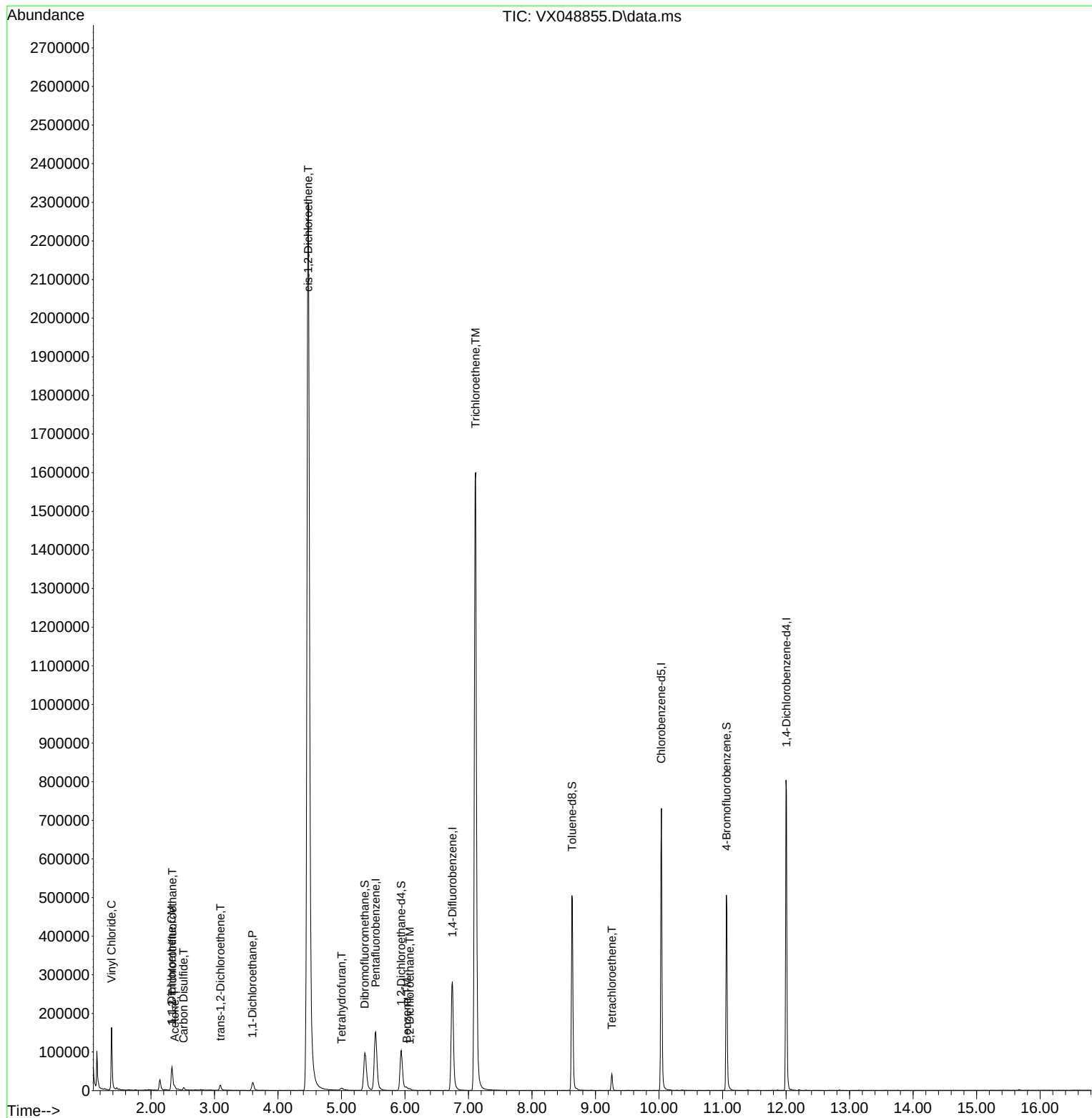
Internal Standards						
1) Pentafluorobenzene	5.538	168	156804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	318047	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	339965	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	178735	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	108303	51.460	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.920%	
35) Dibromofluoromethane	5.367	113	95151	43.450	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 86.900%	
50) Toluene-d8	8.629	98	323713	42.171	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 84.340%#	
62) 4-Bromofluorobenzene	11.061	95	141751	53.552	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.100%	
Target Compounds						Qvalue
4) Vinyl Chloride	1.380	62	116081	54.063	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	13304	7.457	ug/l	98
12) 1,1-Dichloroethene	2.325	96	14378	7.896	ug/l	96
16) Acetone	2.374	43	9233	11.460	ug/l	91
17) Carbon Disulfide	2.514	76	8400	1.589	ug/l #	92
21) trans-1,2-Dichloroethene	3.093	96	6123	3.295	ug/l	97
24) 1,1-Dichloroethane	3.599	63	26087	8.188	ug/l	96
27) cis-1,2-Dichloroethene	4.477	96	1657994	790.630	ug/l	94
29) Tetrahydrofuran	5.001	42	6149	6.772	ug/l #	85
40) Benzene	6.031	78	7472	0.840	ug/l	96
42) 1,2-Dichloroethane	6.074	62	3997	1.270	ug/l	91
44) Trichloroethene	7.111	130	687987	296.545	ug/l	96
64) Tetrachloroethene	9.256	164	8611	3.475	ug/l	94

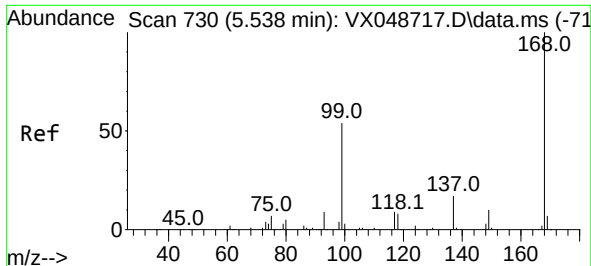
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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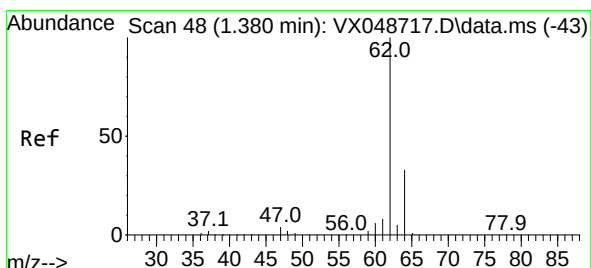
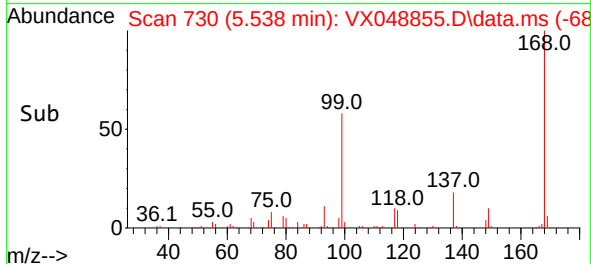
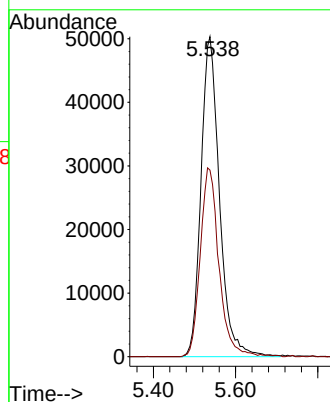
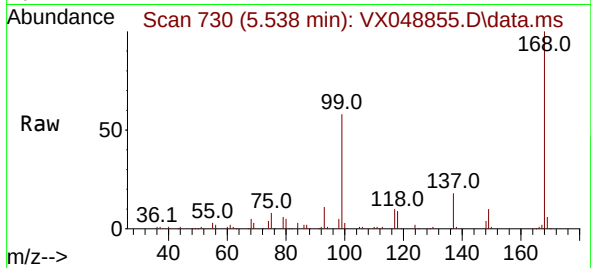




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048855.D
Acq: 12 Dec 2025 15:20

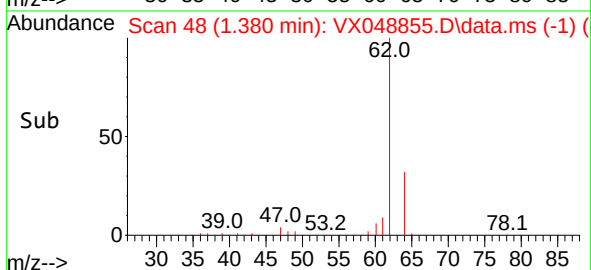
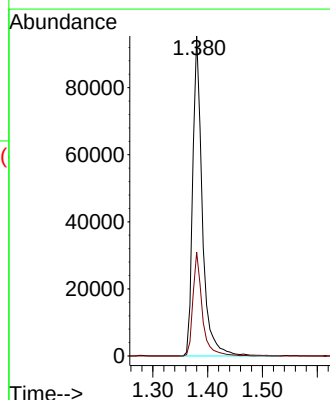
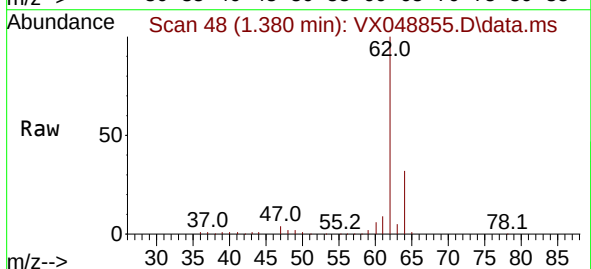
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-121125-FD

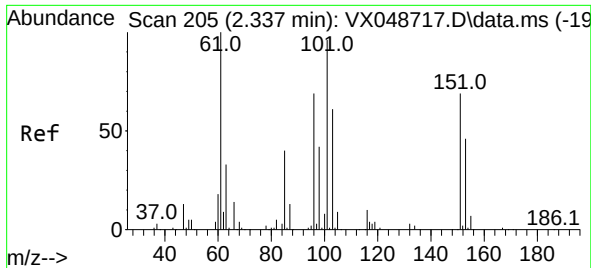
Tgt Ion:168 Resp: 156804
Ion Ratio Lower Upper
168 100
99 58.3 44.2 66.4



#4
Vinyl Chloride
Concen: 54.063 ug/l
RT: 1.380 min Scan# 48
Delta R.T. 0.000 min
Lab File: VX048855.D
Acq: 12 Dec 2025 15:20

Tgt Ion: 62 Resp: 116081
Ion Ratio Lower Upper
62 100
64 32.5 26.0 39.0

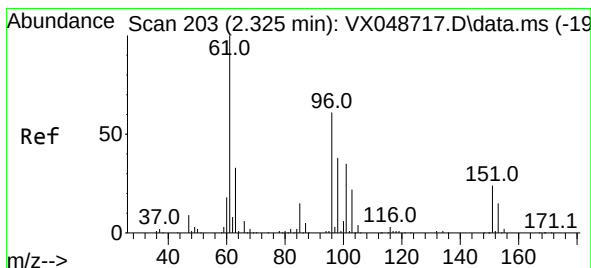
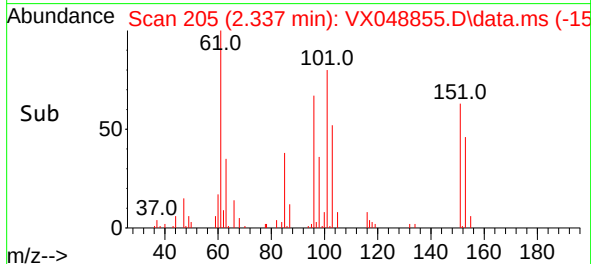
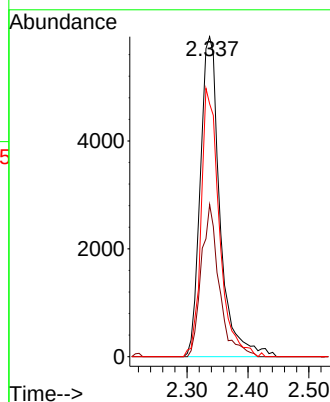
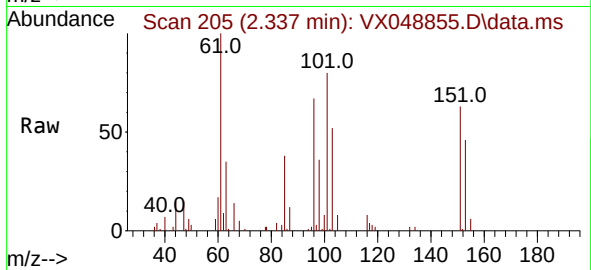




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 7.457 ug/l
 RT: 2.337 min Scan# 205
 Delta R.T. 0.000 min
 Lab File: VX048855.D
 Acq: 12 Dec 2025 15:20

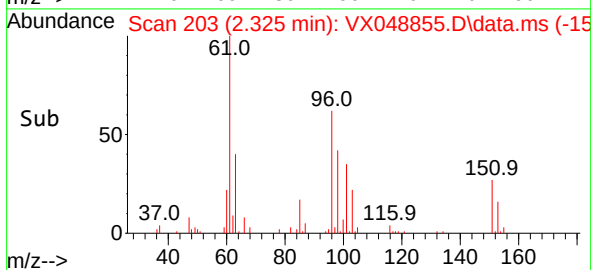
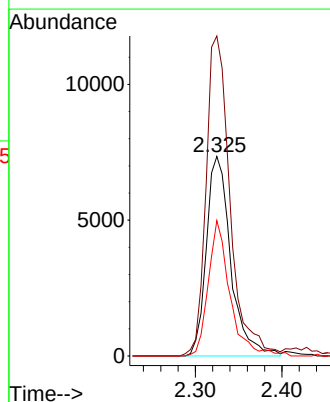
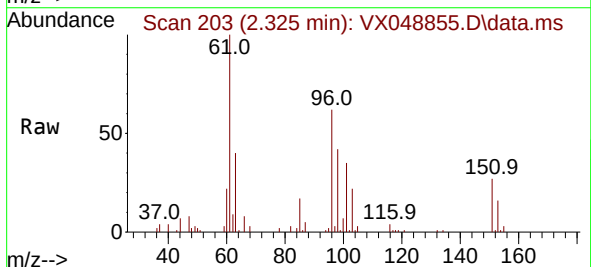
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-18B-57.5-121125-FD

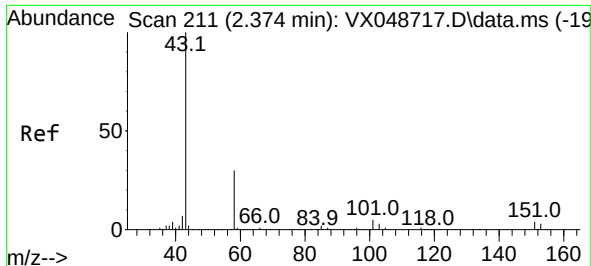
Tgt Ion:101 Resp: 13304
 Ion Ratio Lower Upper
 101 100
 85 43.7 34.2 51.2
 151 77.6 60.2 90.4



#12
 1,1-Dichloroethene
 Concen: 7.896 ug/l
 RT: 2.325 min Scan# 203
 Delta R.T. 0.000 min
 Lab File: VX048855.D
 Acq: 12 Dec 2025 15:20

Tgt Ion: 96 Resp: 14378
 Ion Ratio Lower Upper
 96 100
 61 160.4 130.7 196.1
 98 67.9 49.8 74.8

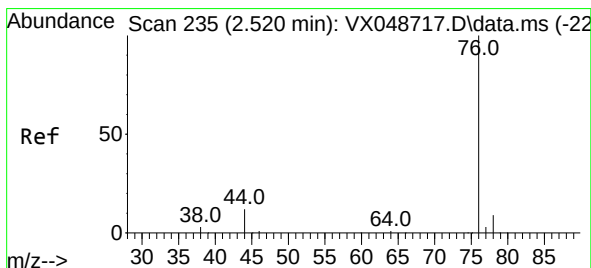
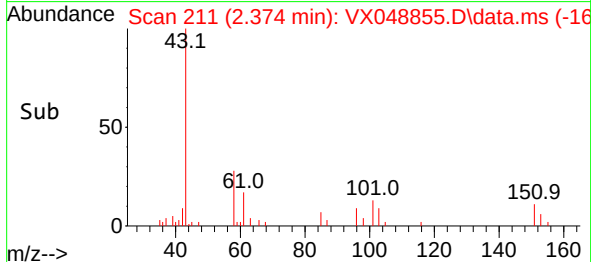
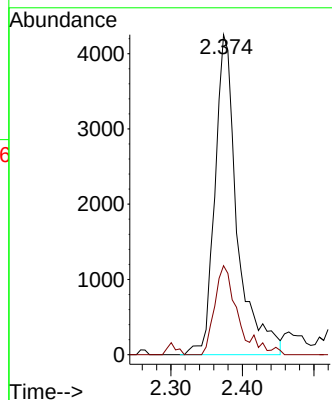
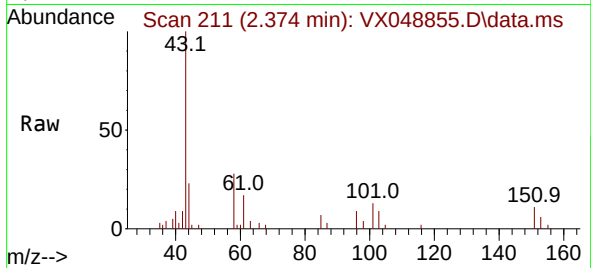




#16
Acetone
Concen: 11.460 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX048855.D
Acq: 12 Dec 2025 15:20

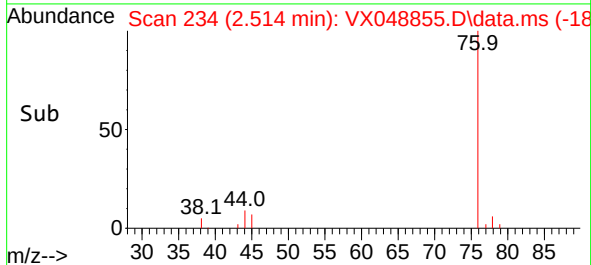
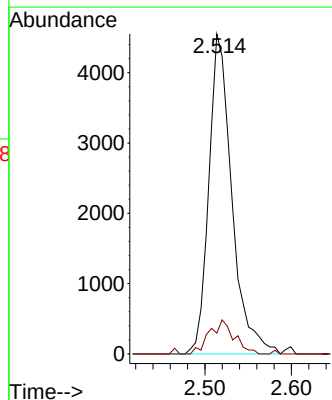
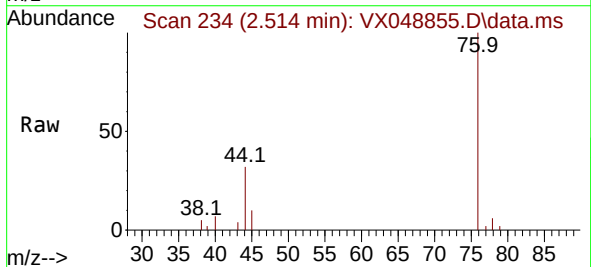
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-121125-FD

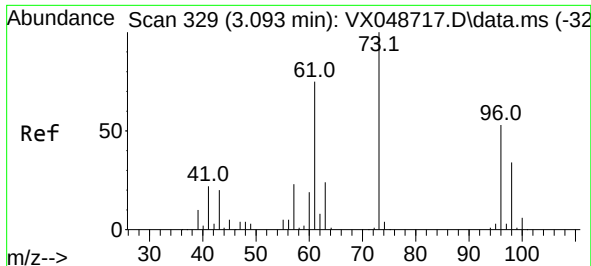
Tgt Ion: 43 Resp: 9233
Ion Ratio Lower Upper
43 100
58 26.5 25.0 37.4



#17
Carbon Disulfide
Concen: 1.589 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.006 min
Lab File: VX048855.D
Acq: 12 Dec 2025 15:20

Tgt Ion: 76 Resp: 8400
Ion Ratio Lower Upper
76 100
78 6.5 7.4 11.2#

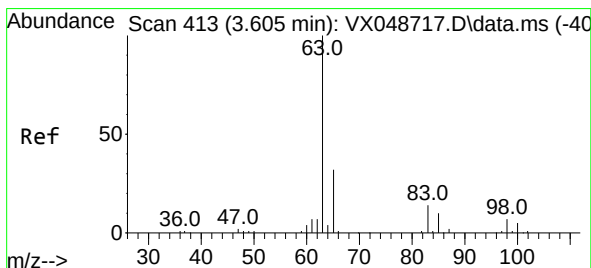
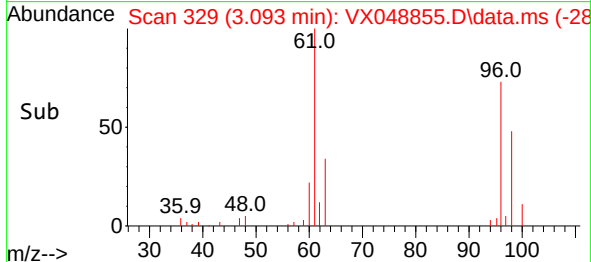
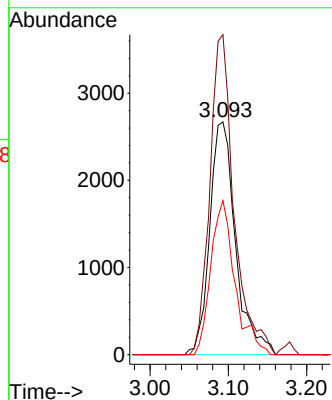
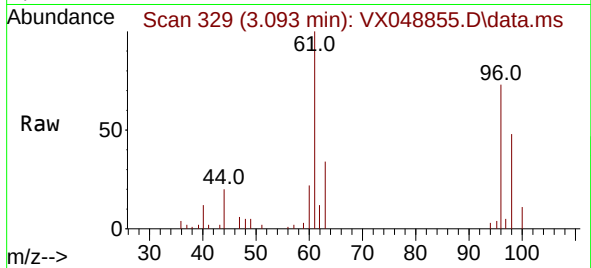




#21
trans-1,2-Dichloroethene
Concen: 3.295 ug/l
RT: 3.093 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX048855.D
Acq: 12 Dec 2025 15:20

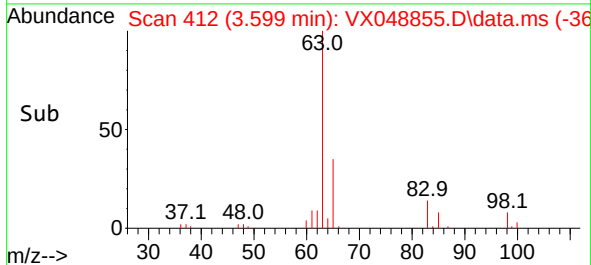
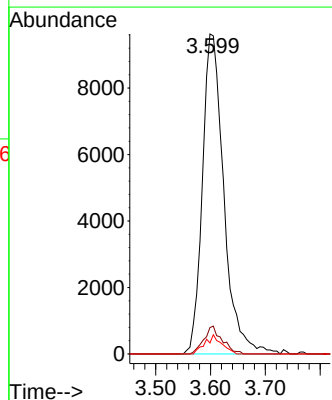
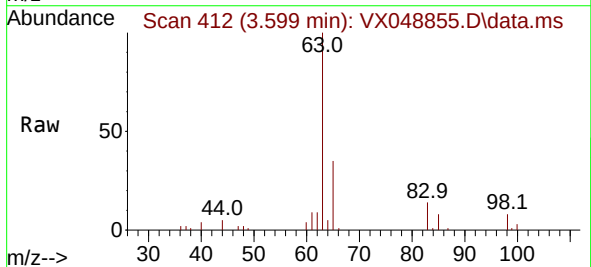
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-121125-FD

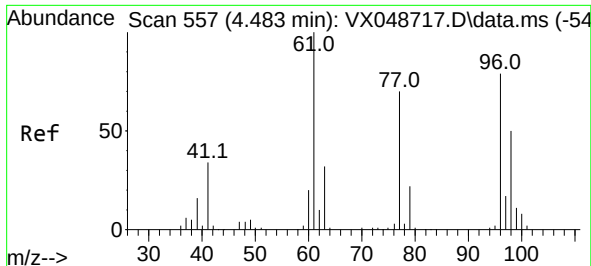
Tgt Ion: 96 Resp: 6123
Ion Ratio Lower Upper
96 100
61 137.4 112.8 169.2
98 66.2 51.0 76.4



#24
1,1-Dichloroethane
Concen: 8.188 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX048855.D
Acq: 12 Dec 2025 15:20

Tgt Ion: 63 Resp: 26087
Ion Ratio Lower Upper
63 100
98 8.2 3.5 10.6
100 3.5 2.5 7.4





#27

cis-1,2-Dichloroethene

Concen: 790.630 ug/l

RT: 4.477 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX048855.D

Acq: 12 Dec 2025 15:20

Instrument :

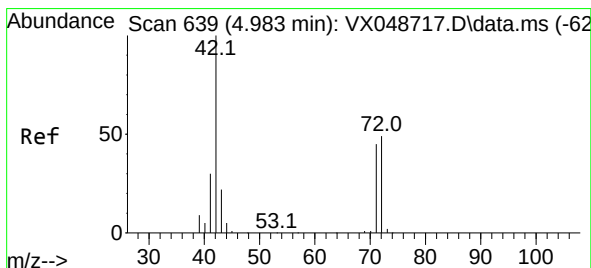
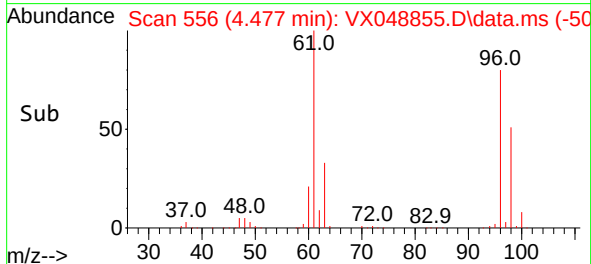
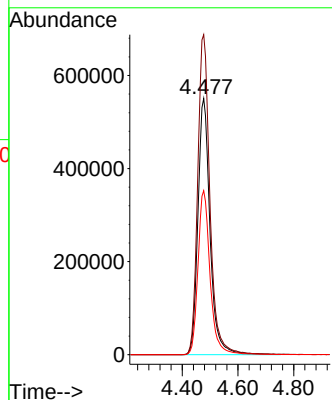
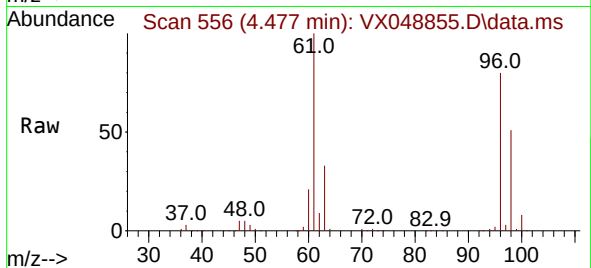
MSVOA_X

ClientSampleId :

MW-18B-57.5-121125-FD

Tgt Ion: 96 Resp: 1657994

Ion	Ratio	Lower	Upper
96	100		
61	126.2	0.0	271.0
98	64.0	0.0	130.2



#29

Tetrahydrofuran

Concen: 6.772 ug/l

RT: 5.001 min Scan# 642

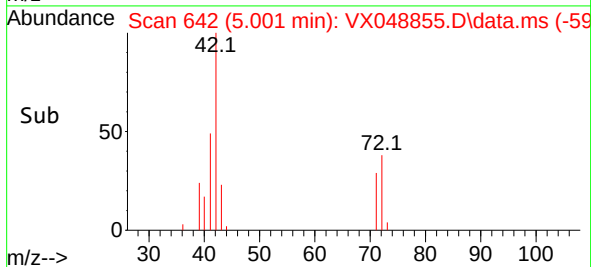
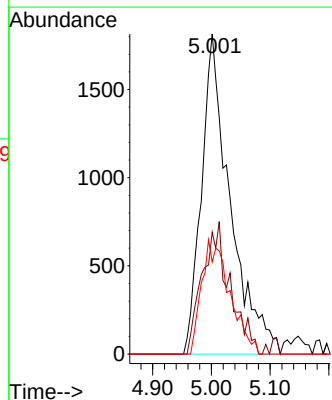
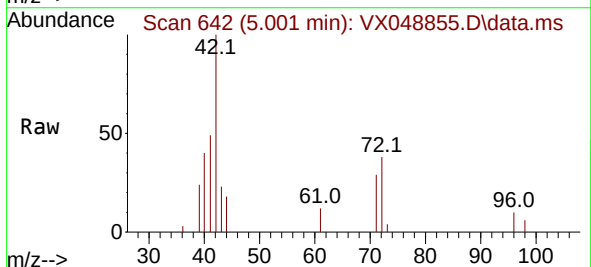
Delta R.T. 0.018 min

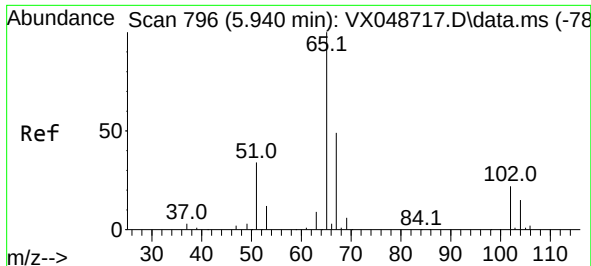
Lab File: VX048855.D

Acq: 12 Dec 2025 15:20

Tgt Ion: 42 Resp: 6149

Ion	Ratio	Lower	Upper
42	100		
72	39.6	39.4	59.2
71	34.9	35.8	53.6#





#33

1,2-Dichloroethane-d4

Concen: 51.460 ug/l

RT: 5.940 min Scan# 796

Delta R.T. 0.000 min

Lab File: VX048855.D

Acq: 12 Dec 2025 15:20

Instrument :

MSVOA_X

ClientSampleId :

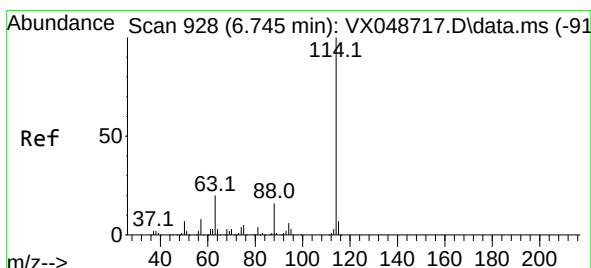
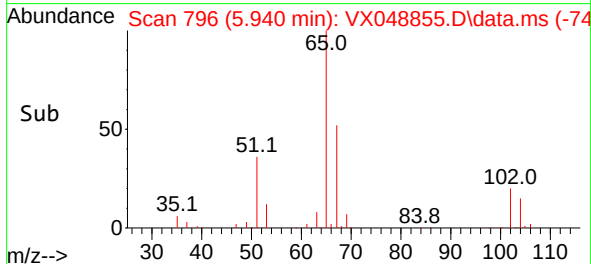
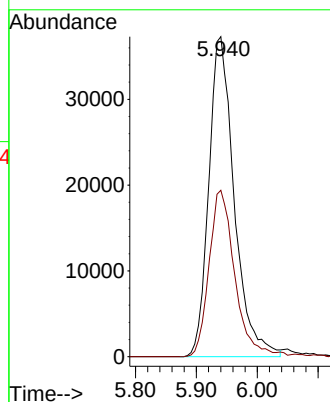
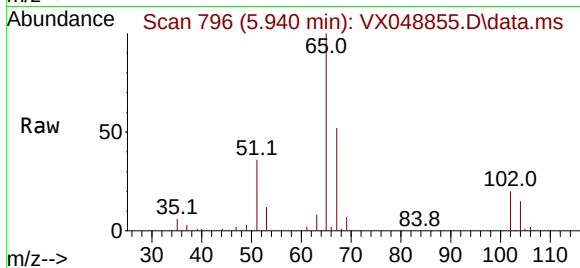
MW-18B-57.5-121125-FD

Tgt Ion: 65 Resp: 108303

Ion Ratio Lower Upper

65 100

67 52.6 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: VX048855.D

Acq: 12 Dec 2025 15:20

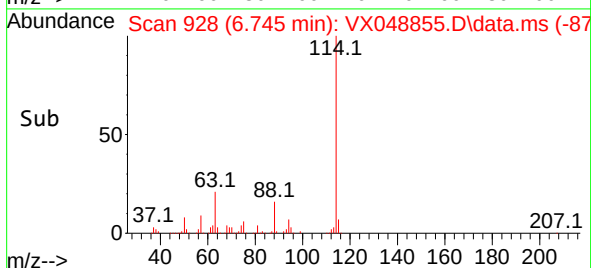
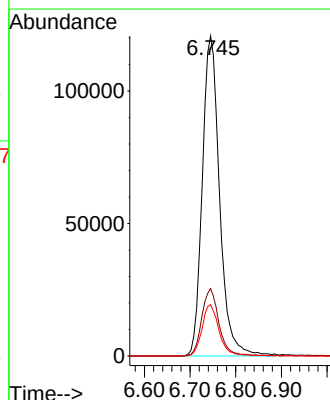
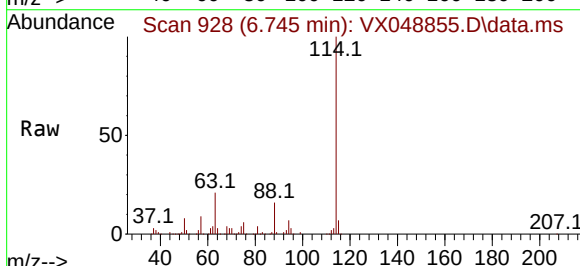
Tgt Ion: 114 Resp: 318047

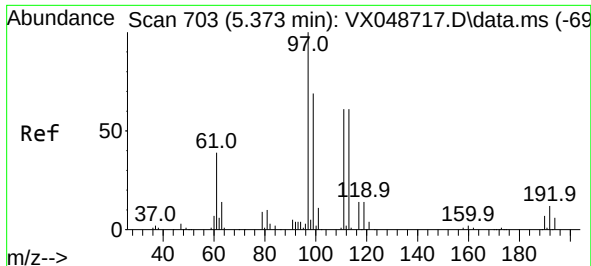
Ion Ratio Lower Upper

114 100

63 21.1 0.0 39.0

88 16.0 0.0 31.8

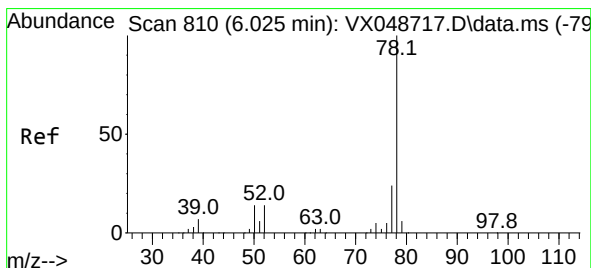
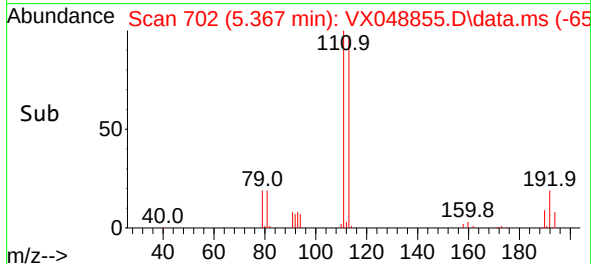
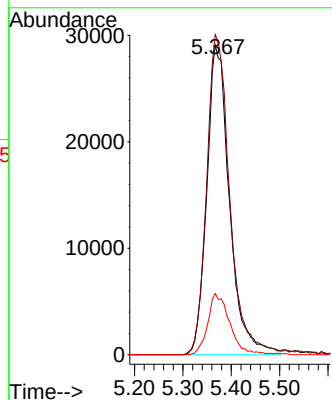
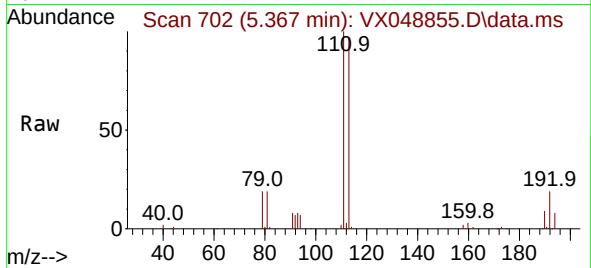




#35
Dibromofluoromethane
Concen: 43.450 ug/l
RT: 5.367 min Scan# 703
Delta R.T. -0.006 min
Lab File: VX048855.D
Acq: 12 Dec 2025 15:20

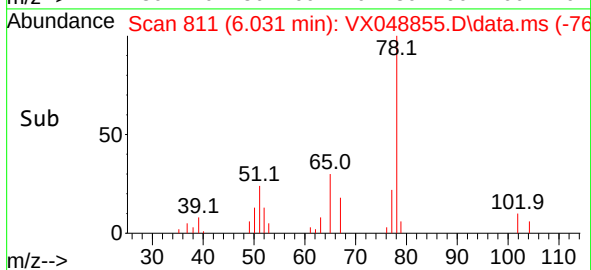
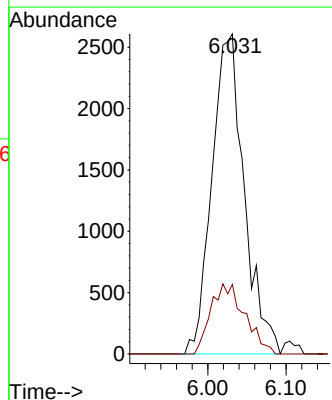
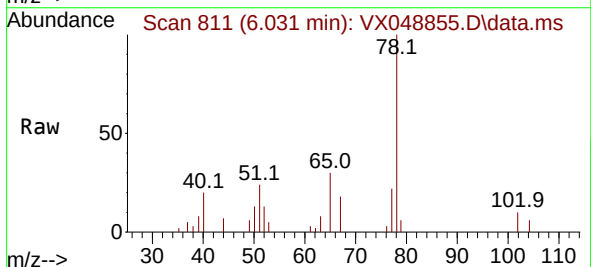
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MW-18B-57.5-121125-FD

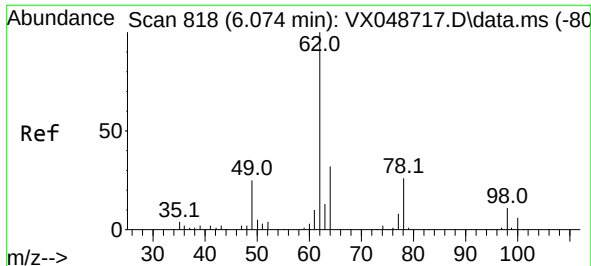
Tgt Ion:113 Resp: 95151
Ion Ratio Lower Upper
113 100
111 104.4 79.5 119.3
192 19.0 16.1 24.1



#40
Benzene
Concen: 0.840 ug/l
RT: 6.031 min Scan# 811
Delta R.T. 0.006 min
Lab File: VX048855.D
Acq: 12 Dec 2025 15:20

Tgt Ion: 78 Resp: 7472
Ion Ratio Lower Upper
78 100
77 21.8 18.8 28.2





#42

1,2-Dichloroethane

Concen: 1.270 ug/l

RT: 6.074 min Scan# 818

Delta R.T. 0.000 min

Lab File: VX048855.D

Acq: 12 Dec 2025 15:20

Instrument :

MSVOA_X

ClientSampleId :

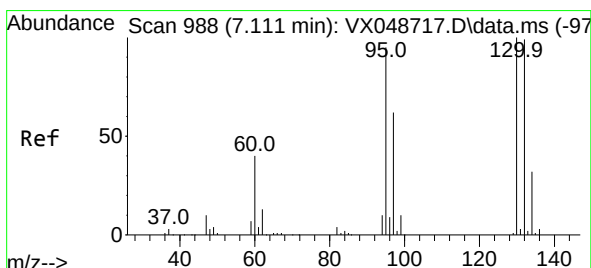
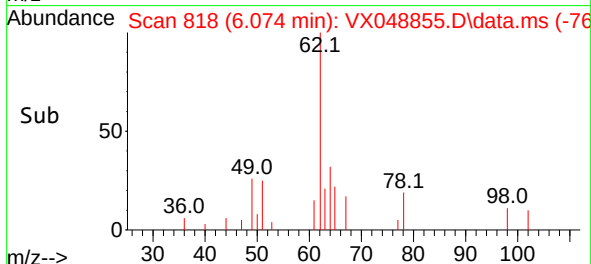
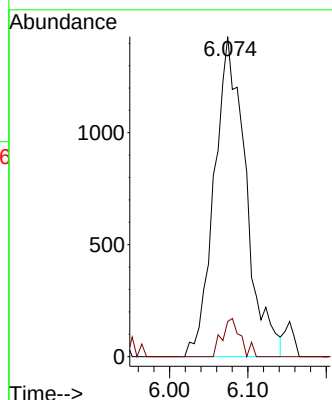
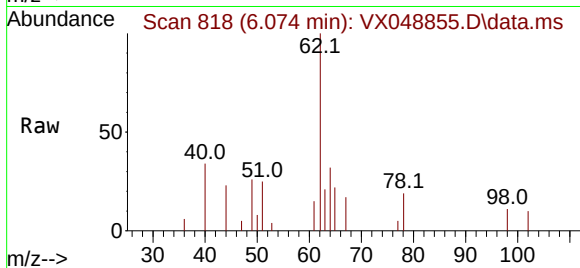
MW-18B-57.5-121125-FD

Tgt Ion: 62 Resp: 3997

Ion Ratio Lower Upper

62 100

98 6.9 0.0 20.2



#44

Trichloroethene

Concen: 296.545 ug/l

RT: 7.111 min Scan# 988

Delta R.T. 0.000 min

Lab File: VX048855.D

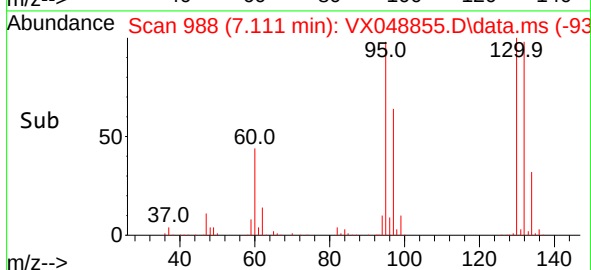
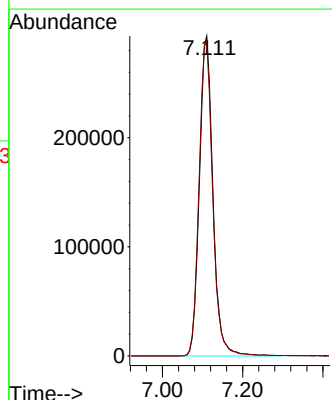
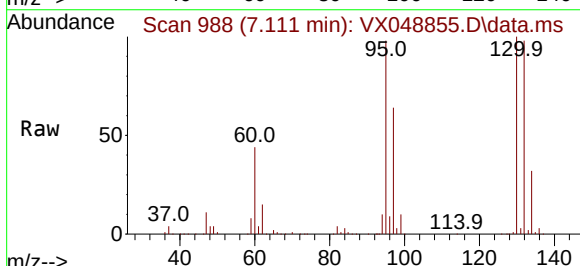
Acq: 12 Dec 2025 15:20

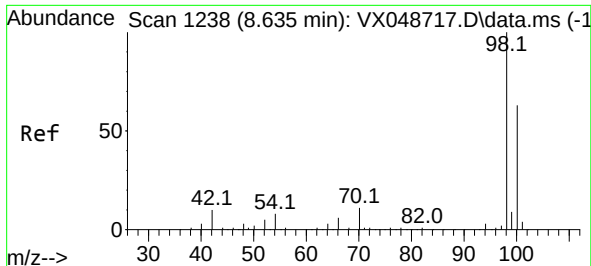
Tgt Ion:130 Resp: 687987

Ion Ratio Lower Upper

130 100

95 98.3 0.0 189.6

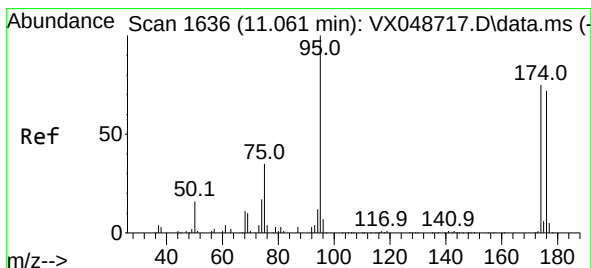
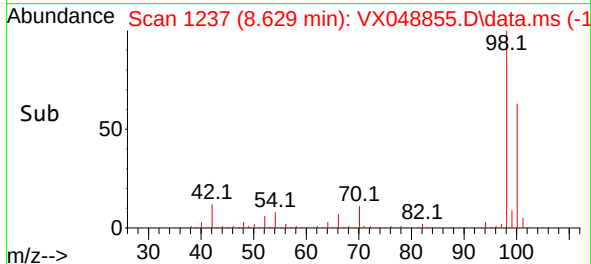
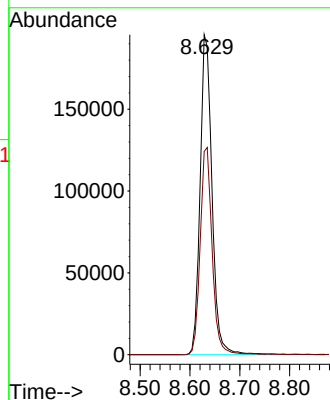
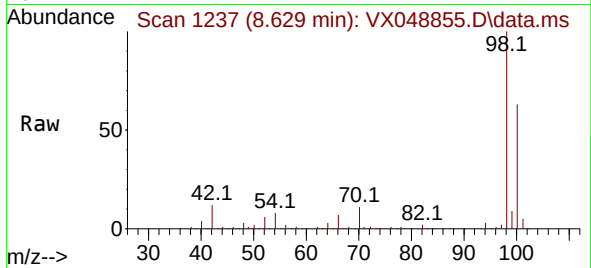




#50
Toluene-d8
Concen: 42.171 ug/l
RT: 8.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048855.D
Acq: 12 Dec 2025 15:20

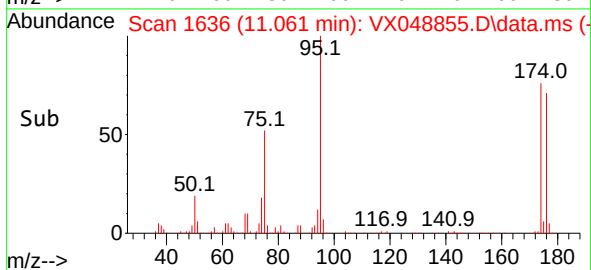
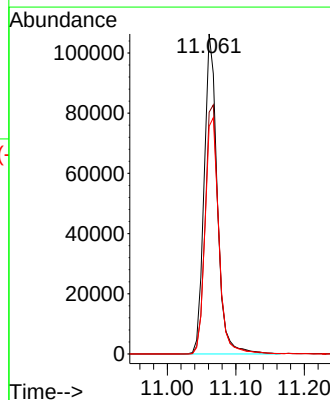
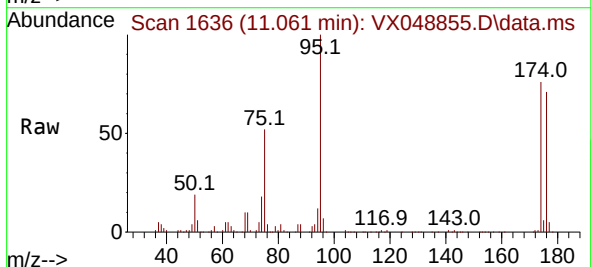
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-121125-FD

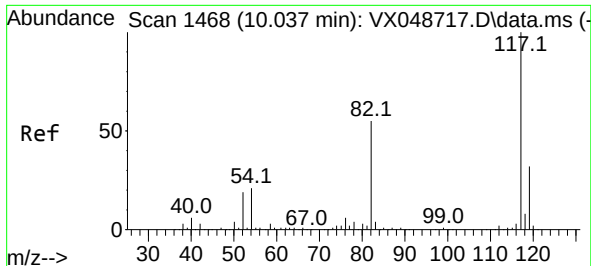
Tgt Ion: 98 Resp: 323713
Ion Ratio Lower Upper
98 100
100 65.2 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 53.552 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX048855.D
Acq: 12 Dec 2025 15:20

Tgt Ion: 95 Resp: 141751
Ion Ratio Lower Upper
95 100
174 80.8 0.0 157.8
176 77.7 0.0 154.0

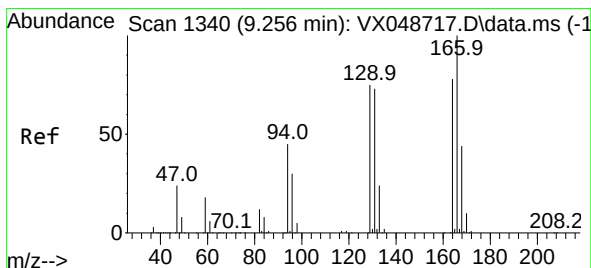
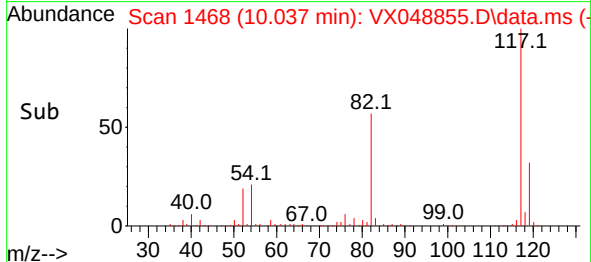
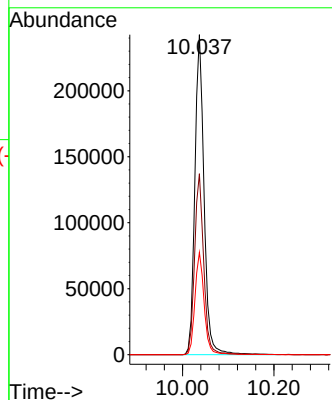
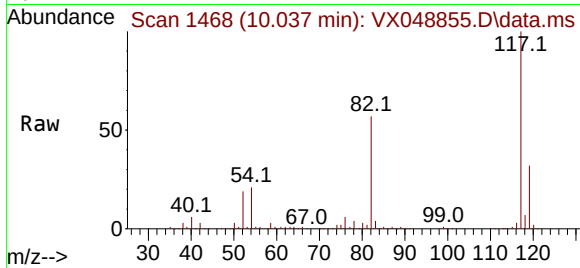




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX048855.D
Acq: 12 Dec 2025 15:20

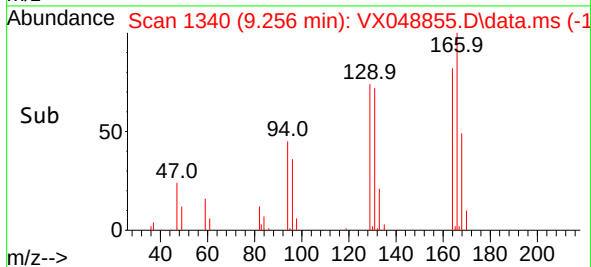
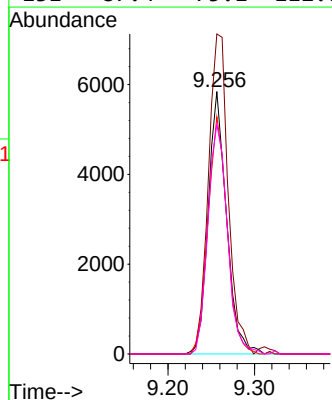
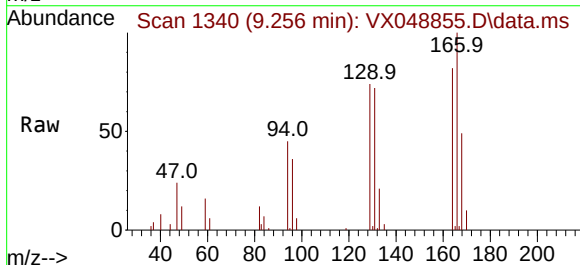
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-121125-FD

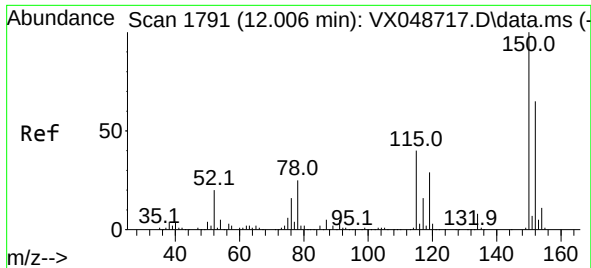
Tgt Ion:117 Resp: 339965
Ion Ratio Lower Upper
117 100
82 56.6 44.1 66.1
119 32.0 25.2 37.8



#64
Tetrachloroethene
Concen: 3.475 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VX048855.D
Acq: 12 Dec 2025 15:20

Tgt Ion:164 Resp: 8611
Ion Ratio Lower Upper
164 100
166 122.0 103.1 154.7
129 90.4 76.9 115.3
131 87.4 75.1 112.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX048855.D

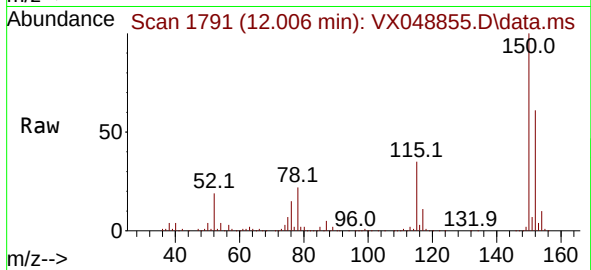
Acq: 12 Dec 2025 15:20

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-57.5-121125-FD



Tgt Ion:152 Resp: 178735

Ion Ratio Lower Upper

152 100

115 59.3 42.1 126.4

150 158.7 0.0 347.8

