

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
 Data File : VX048845.D
 Acq On : 12 Dec 2025 11:42
 Operator : JC/MD
 Sample : Q3848-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Dec 12 22:10:46 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)

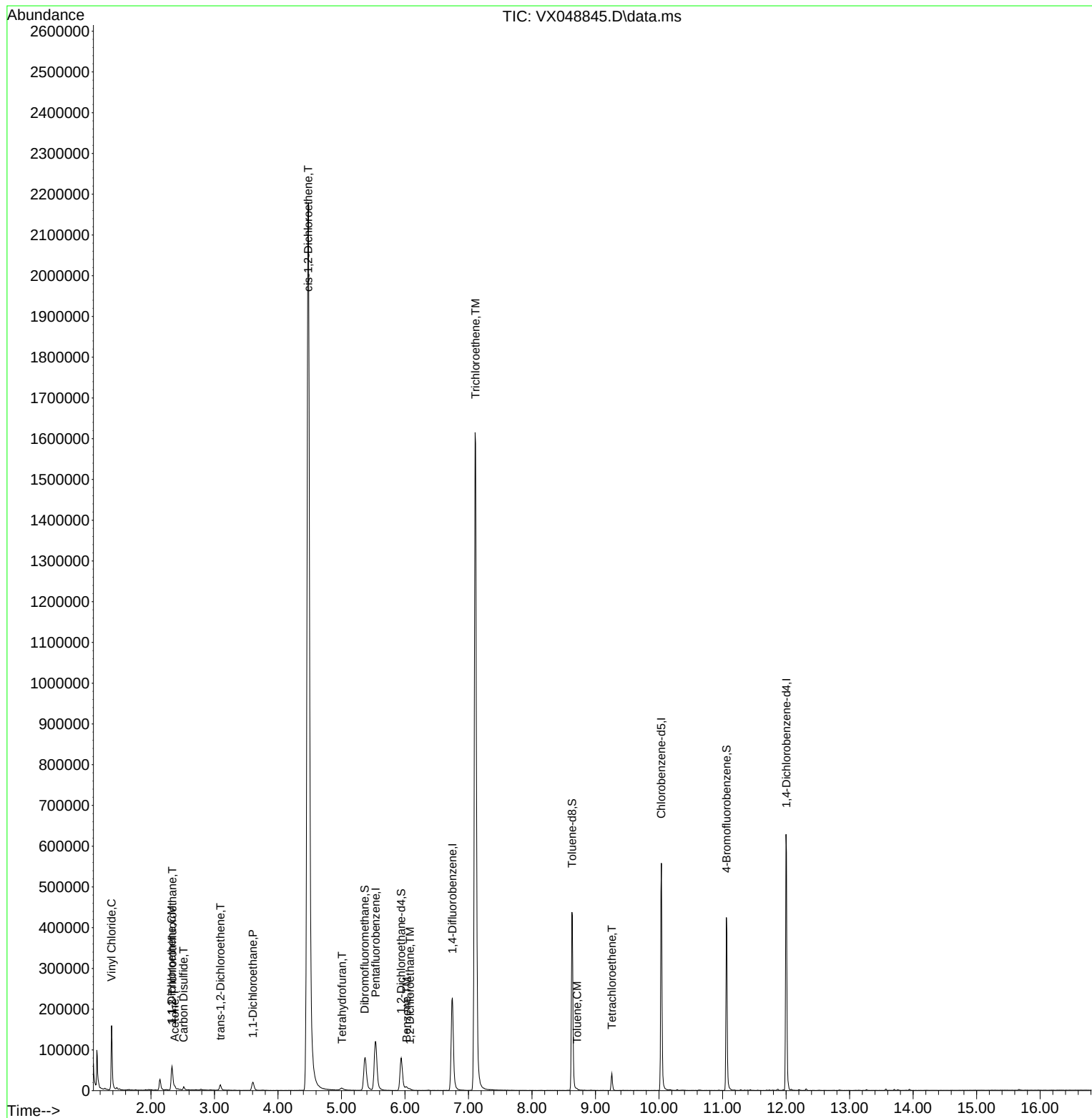
Internal Standards						
1) Pentafluorobenzene	5.538	168	127532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	255705	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	271116	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	141057	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	86472	50.518	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	101.040%	
35) Dibromofluoromethane	5.367	113	80447	45.692	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	91.380%	
50) Toluene-d8	8.629	98	279390	45.271	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	90.540%#	
62) 4-Bromofluorobenzene	11.061	95	119505	56.155	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	112.300%	
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.380	62	113664	65.088	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	13162	9.071	ug/l	98
12) 1,1-Dichloroethene	2.325	96	13765	9.295	ug/l	97
16) Acetone	2.374	43	9184	14.015	ug/l	98
17) Carbon Disulfide	2.514	76	8896	2.069	ug/l	98
21) trans-1,2-Dichloroethene	3.093	96	5692	3.766	ug/l	91
24) 1,1-Dichloroethane	3.605	63	26218	10.118	ug/l	98
27) cis-1,2-Dichloroethene	4.477	96	1565484	917.861	ug/l	94
29) Tetrahydrofuran	5.007	42	5674	7.683	ug/l #	74
40) Benzene	6.025	78	8319	1.164	ug/l	95
42) 1,2-Dichloroethane	6.080	62	3845	1.520	ug/l	95
44) Trichloroethene	7.110	130	691405	370.677	ug/l	97
52) Toluene	8.708	92	1268	0.294	ug/l	98
64) Tetrachloroethene	9.256	164	8368	4.234	ug/l	96

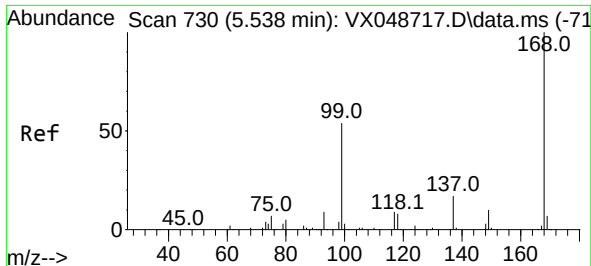
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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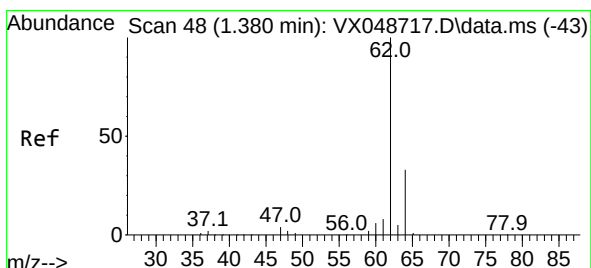
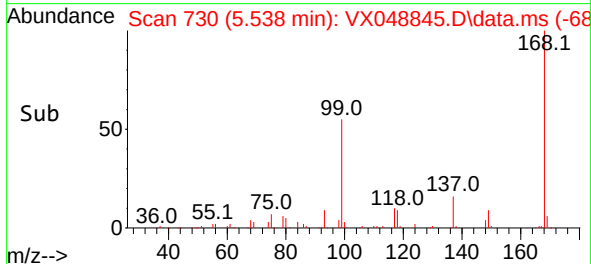
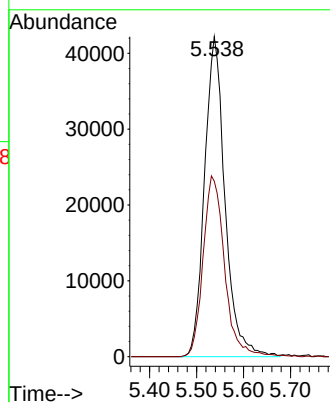
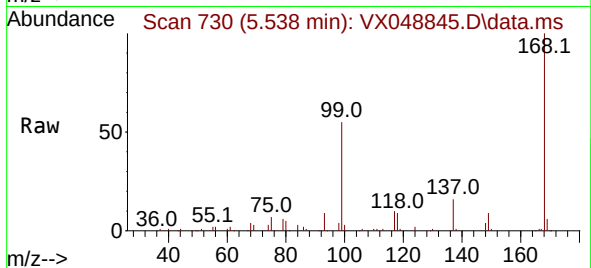




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048845.D
Acq: 12 Dec 2025 11:42

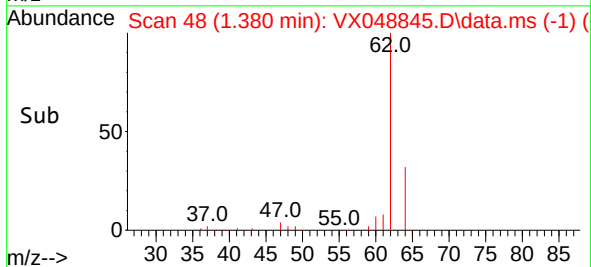
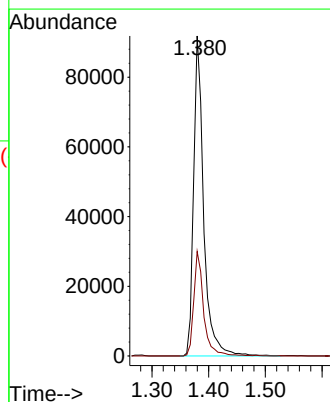
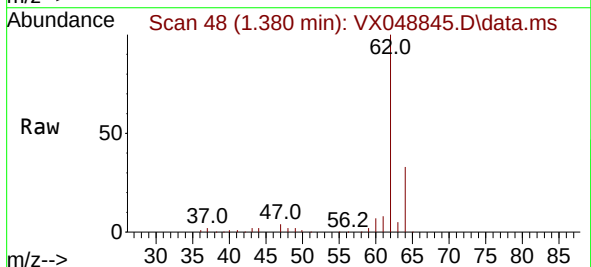
Instrument :
MSVOA_X
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MW-18B-57.5-121125

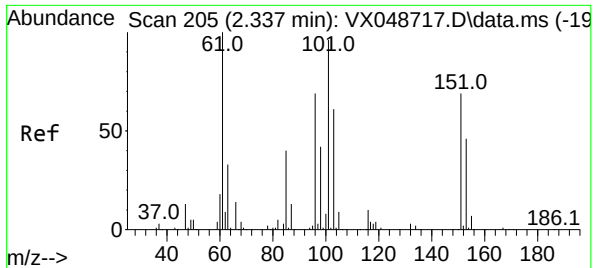
Tgt Ion:168 Resp: 127532
Ion Ratio Lower Upper
168 100
99 54.8 44.2 66.4



#4
Vinyl Chloride
Concen: 65.088 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048845.D
Acq: 12 Dec 2025 11:42

Tgt Ion: 62 Resp: 113664
Ion Ratio Lower Upper
62 100
64 32.7 26.0 39.0

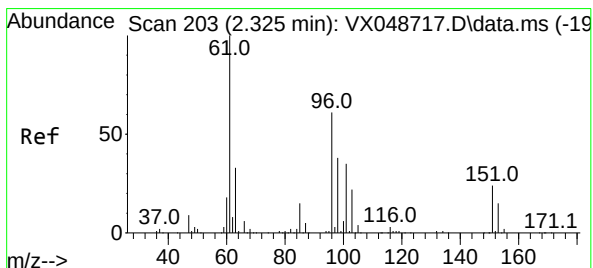
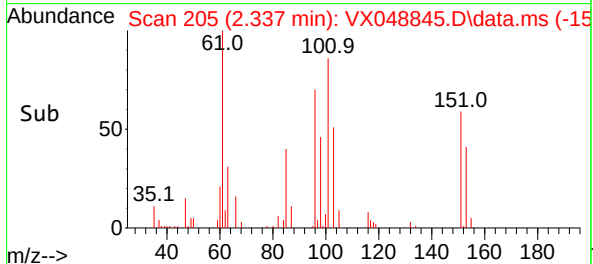
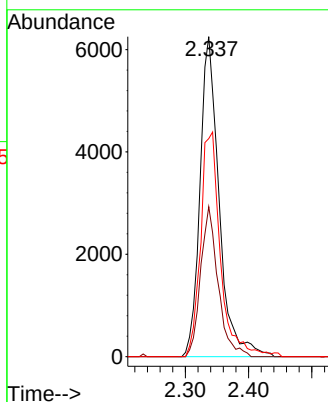
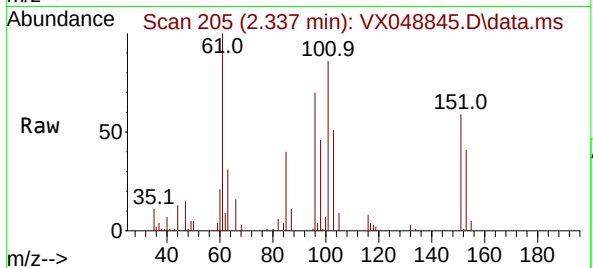




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.071 ug/l
 RT: 2.337 min Scan# 205
 Delta R.T. -0.000 min
 Lab File: VX048845.D
 Acq: 12 Dec 2025 11:42

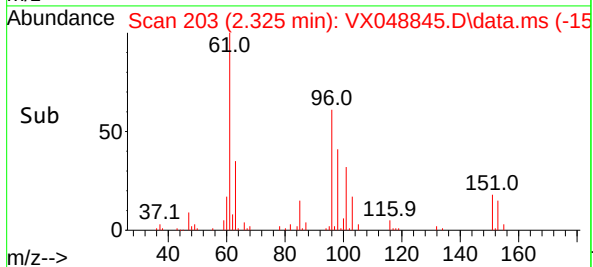
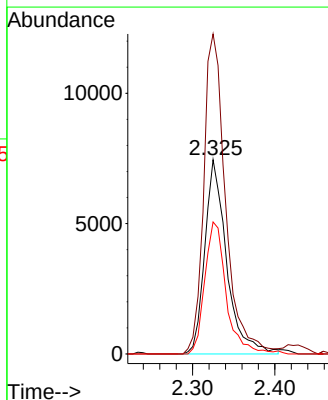
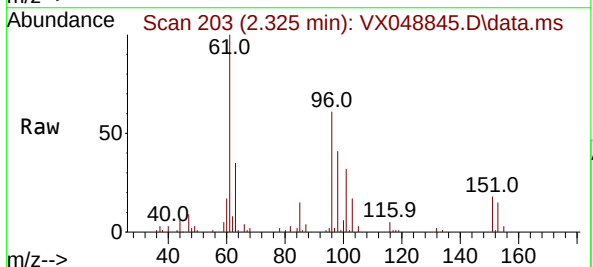
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 MSVOA_X
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 MW-18B-57.5-121125

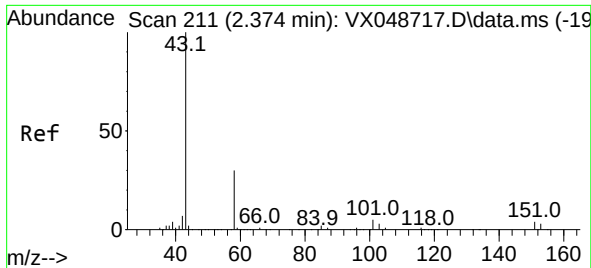
Tgt Ion:	101	Resp:	13162
Ion	Ratio	Lower	Upper
101	100		
85	42.9	34.2	51.2
151	73.2	60.2	90.4



#12
 1,1-Dichloroethene
 Concen: 9.295 ug/l
 RT: 2.325 min Scan# 203
 Delta R.T. -0.000 min
 Lab File: VX048845.D
 Acq: 12 Dec 2025 11:42

Tgt Ion:	96	Resp:	13765
Ion	Ratio	Lower	Upper
96	100		
61	164.7	130.7	196.1
98	68.0	49.8	74.8

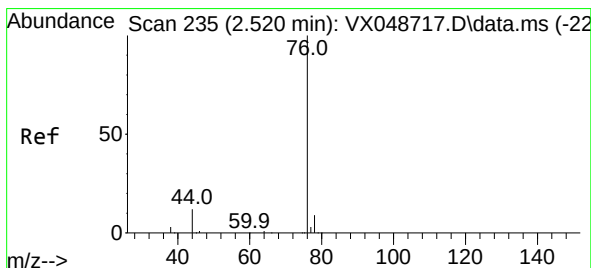
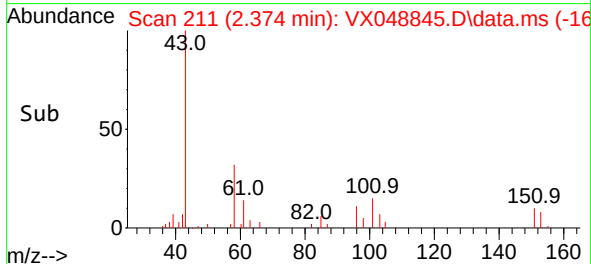
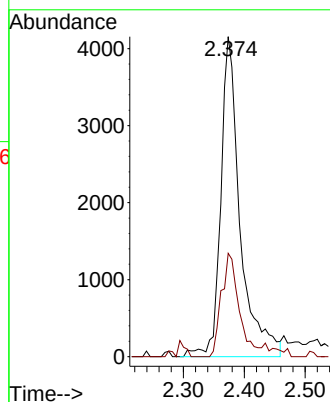
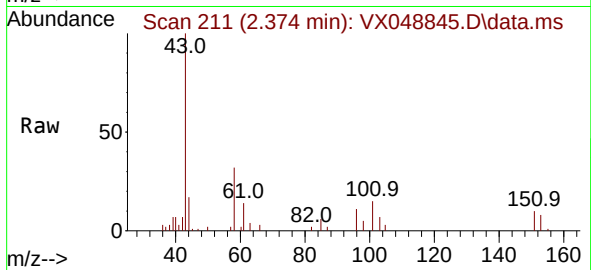




#16
Acetone
Concen: 14.015 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048845.D
Acq: 12 Dec 2025 11:42

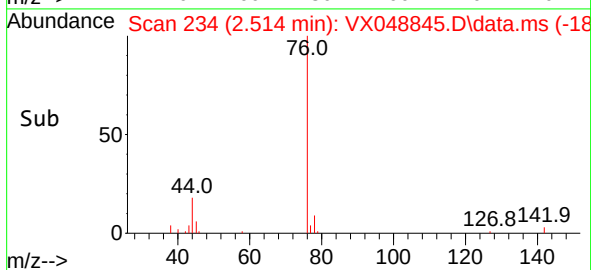
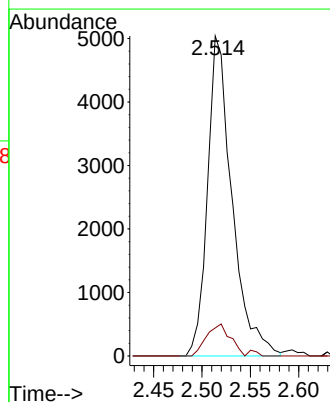
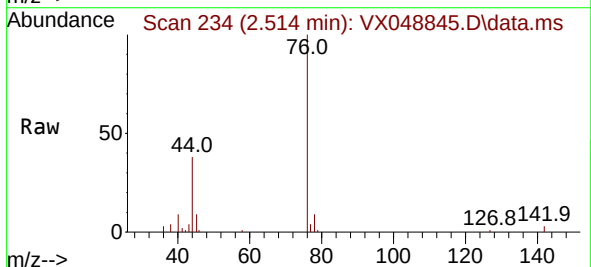
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-121125

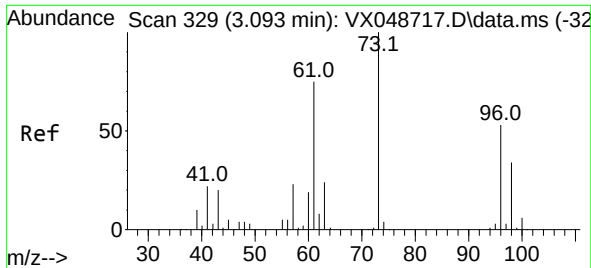
Tgt Ion: 43 Resp: 9184
Ion Ratio Lower Upper
43 100
58 30.3 25.0 37.4



#17
Carbon Disulfide
Concen: 2.069 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.006 min
Lab File: VX048845.D
Acq: 12 Dec 2025 11:42

Tgt Ion: 76 Resp: 8896
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2

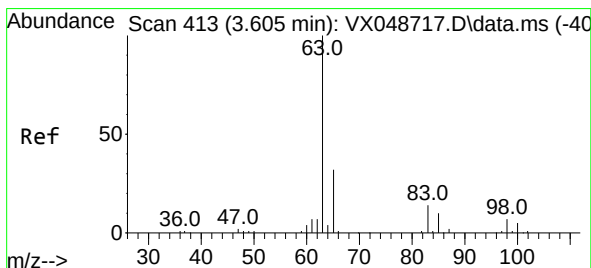
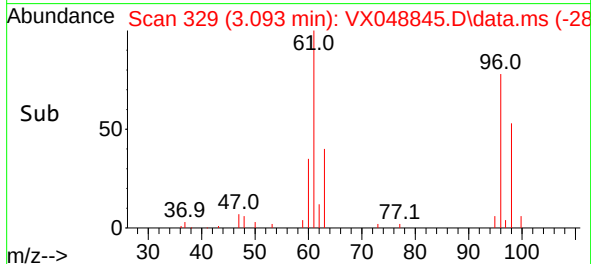
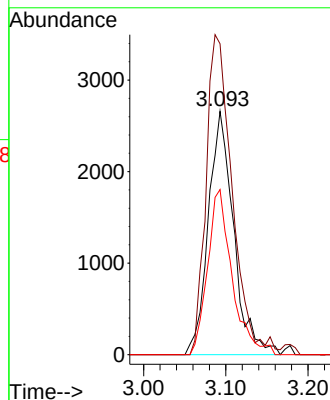
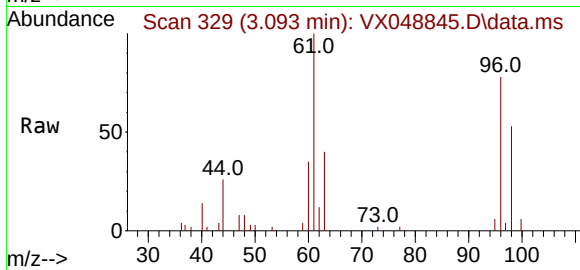




#21
trans-1,2-Dichloroethene
Concen: 3.766 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX048845.D
Acq: 12 Dec 2025 11:42

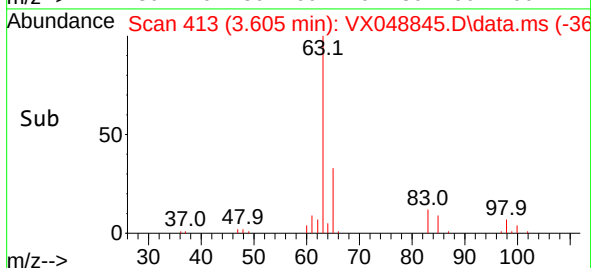
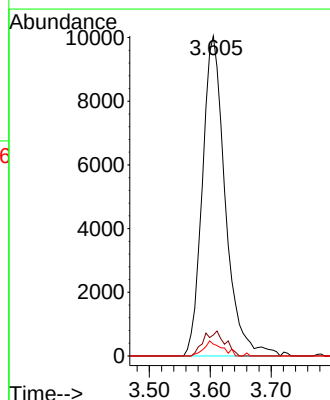
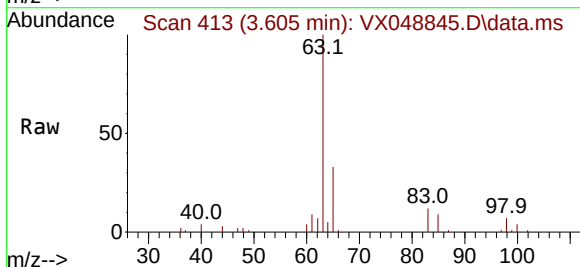
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-121125

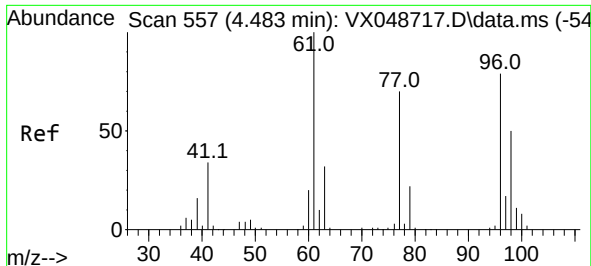
Tgt Ion: 96 Resp: 5692
Ion Ratio Lower Upper
96 100
61 127.8 112.8 169.2
98 67.8 51.0 76.4



#24
1,1-Dichloroethane
Concen: 10.118 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048845.D
Acq: 12 Dec 2025 11:42

Tgt Ion: 63 Resp: 26218
Ion Ratio Lower Upper
63 100
98 6.6 3.5 10.6
100 3.7 2.5 7.4





#27

cis-1,2-Dichloroethene

Concen: 917.861 ug/l

RT: 4.477 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX048845.D

Acq: 12 Dec 2025 11:42

Instrument :

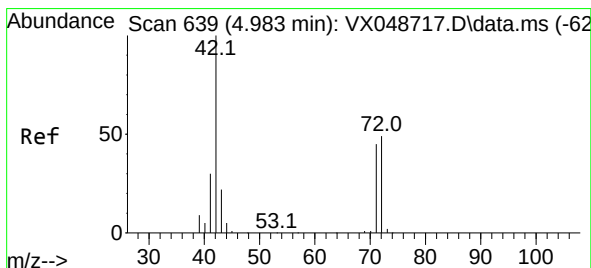
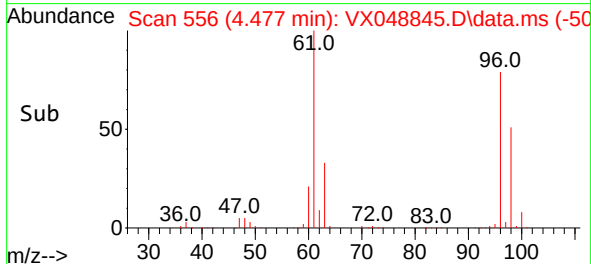
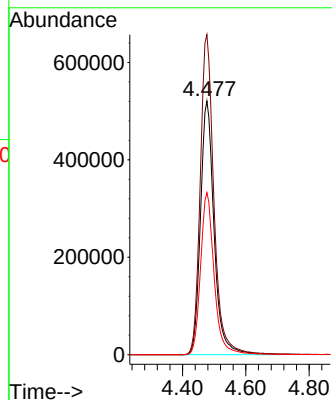
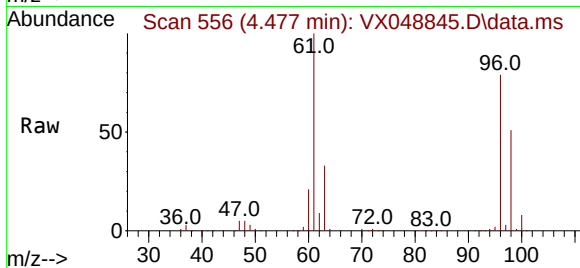
MSVOA_X

ClientSampleId :

MW-18B-57.5-121125

Tgt Ion: 96 Resp: 1565484

Ion	Ratio	Lower	Upper
96	100		
61	126.8	0.0	271.0
98	63.6	0.0	130.2



#29

Tetrahydrofuran

Concen: 7.683 ug/l

RT: 5.007 min Scan# 643

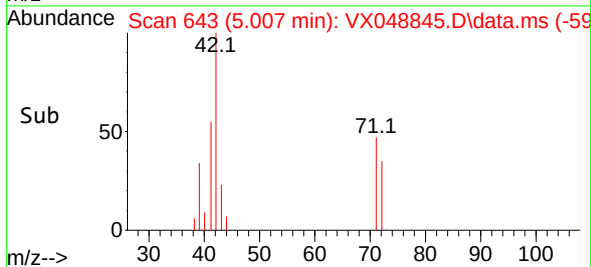
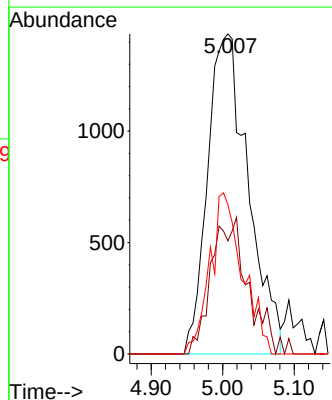
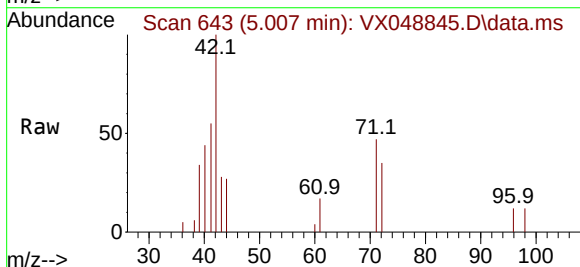
Delta R.T. 0.024 min

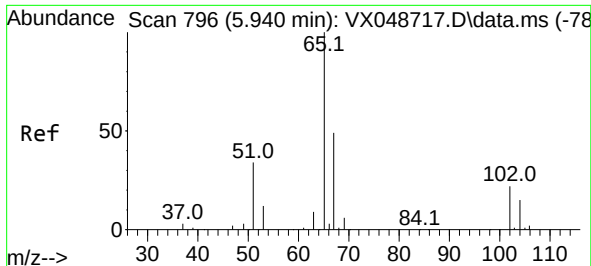
Lab File: VX048845.D

Acq: 12 Dec 2025 11:42

Tgt Ion: 42 Resp: 5674

Ion	Ratio	Lower	Upper
42	100		
72	19.1	39.4	59.2#
71	40.5	35.8	53.6

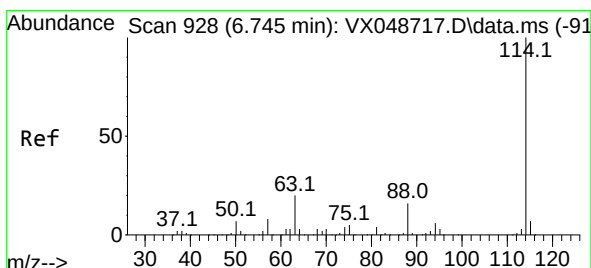
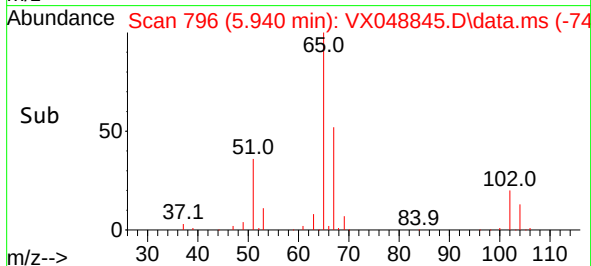
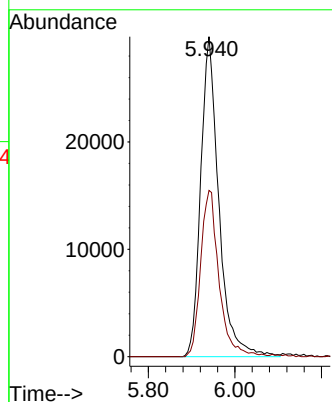
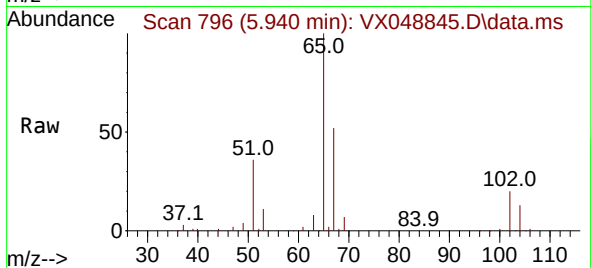




#33
 1,2-Dichloroethane-d4
 Concen: 50.518 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. -0.000 min
 Lab File: VX048845.D
 Acq: 12 Dec 2025 11:42

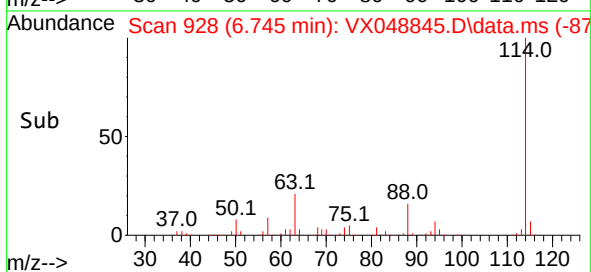
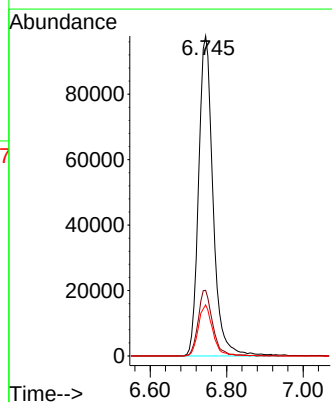
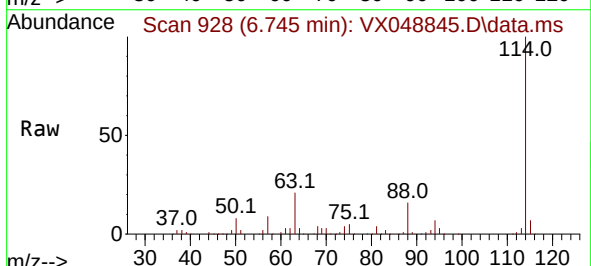
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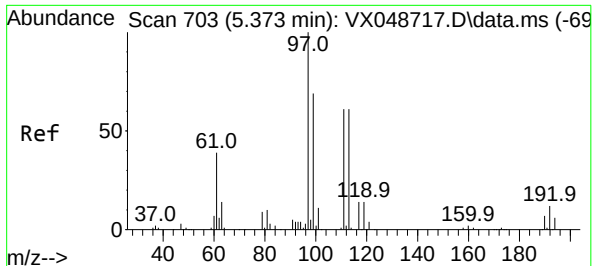
Tgt Ion: 65 Resp: 86472
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. -0.000 min
 Lab File: VX048845.D
 Acq: 12 Dec 2025 11:42

Tgt Ion: 114 Resp: 255705
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 39.0
 88 15.9 0.0 31.8





#35

Dibromofluoromethane

Concen: 45.692 ug/l

RT: 5.367 min Scan# 703

Delta R.T. -0.006 min

Lab File: VX048845.D

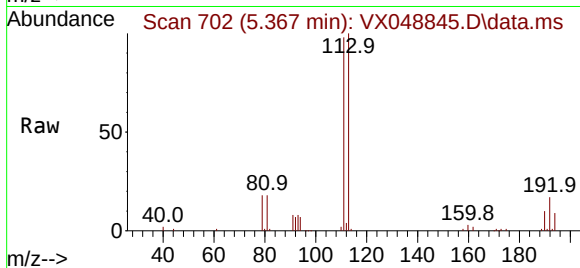
Acq: 12 Dec 2025 11:42

Instrument :

MSVOA_X

ClientSampleId :

MW-18B-57.5-121125



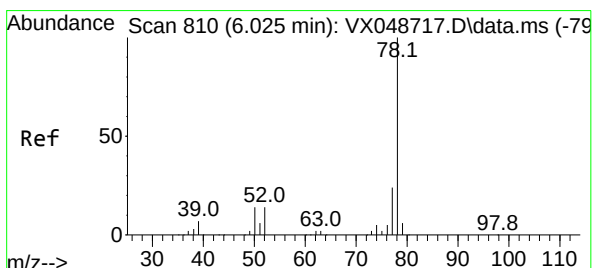
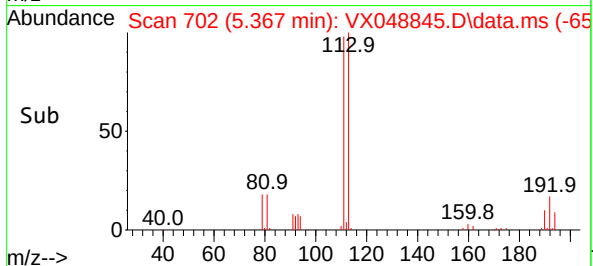
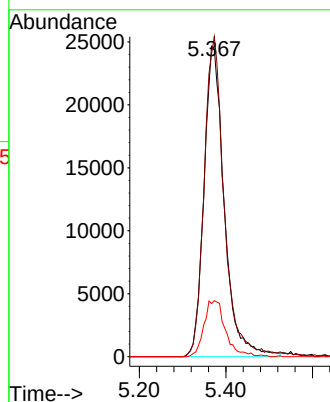
Tgt Ion:113 Resp: 80447

Ion Ratio Lower Upper

113 100

111 101.1 79.5 119.3

192 19.0 16.1 24.1



#40

Benzene

Concen: 1.164 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.000 min

Lab File: VX048845.D

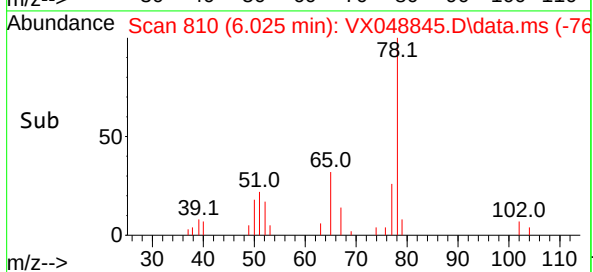
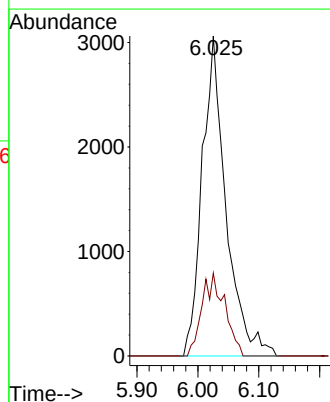
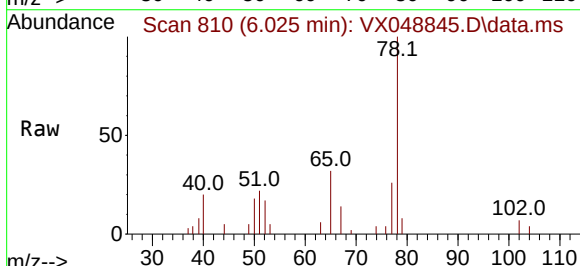
Acq: 12 Dec 2025 11:42

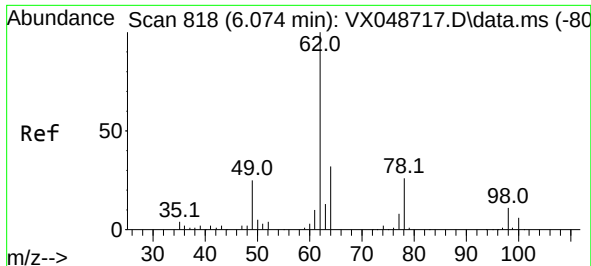
Tgt Ion: 78 Resp: 8319

Ion Ratio Lower Upper

78 100

77 25.9 18.8 28.2





#42

1,2-Dichloroethane

Concen: 1.520 ug/l

RT: 6.080 min Scan# 818

Delta R.T. 0.006 min

Lab File: VX048845.D

Acq: 12 Dec 2025 11:42

Instrument :

MSVOA_X

ClientSampleId :

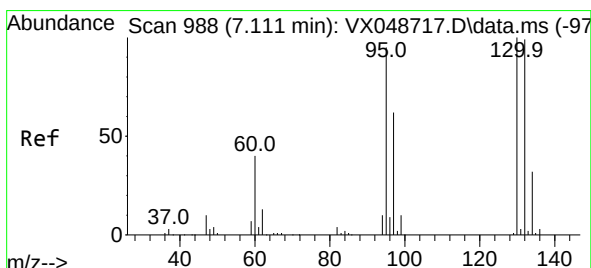
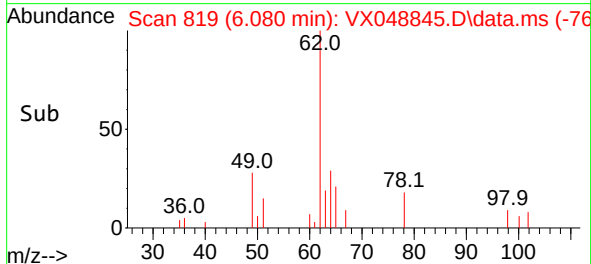
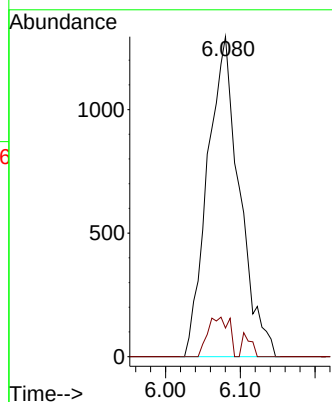
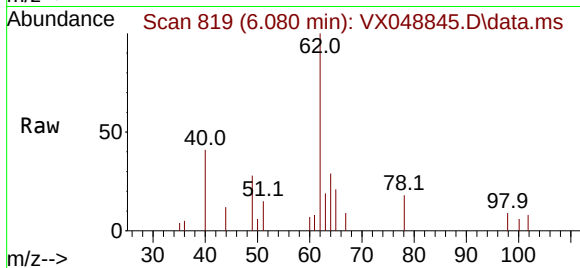
MW-18B-57.5-121125

Tgt Ion: 62 Resp: 3845

Ion Ratio Lower Upper

62 100

98 8.3 0.0 20.2



#44

Trichloroethene

Concen: 370.677 ug/l

RT: 7.110 min Scan# 988

Delta R.T. -0.000 min

Lab File: VX048845.D

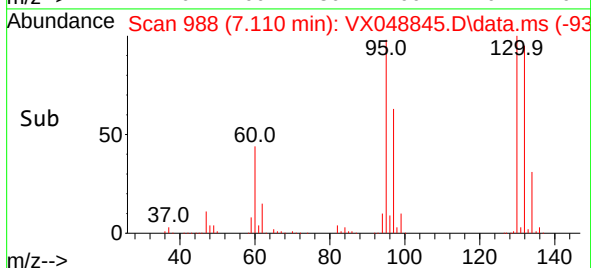
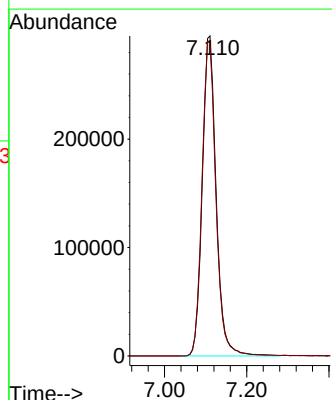
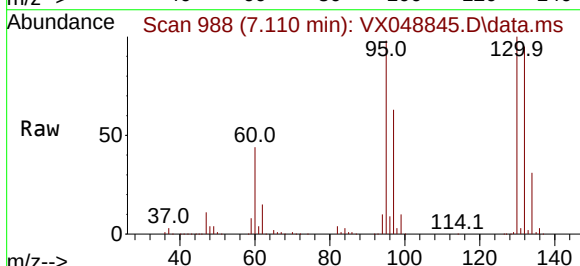
Acq: 12 Dec 2025 11:42

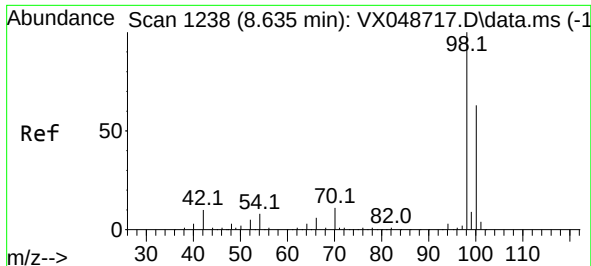
Tgt Ion:130 Resp: 691405

Ion Ratio Lower Upper

130 100

95 97.8 0.0 189.6

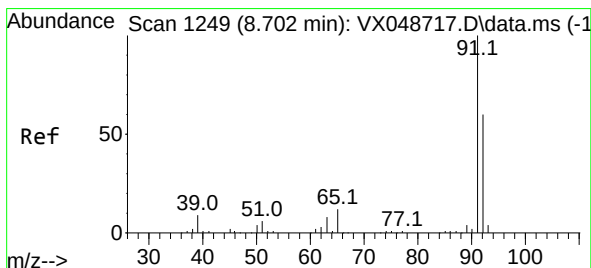
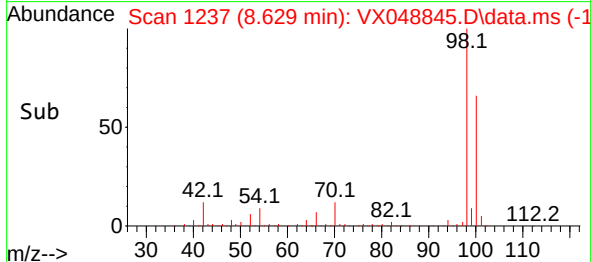
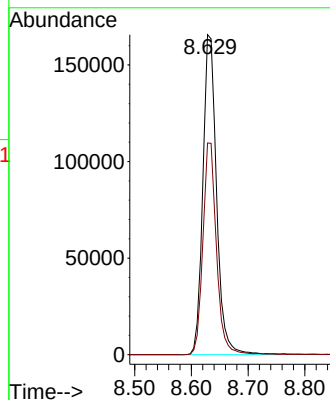
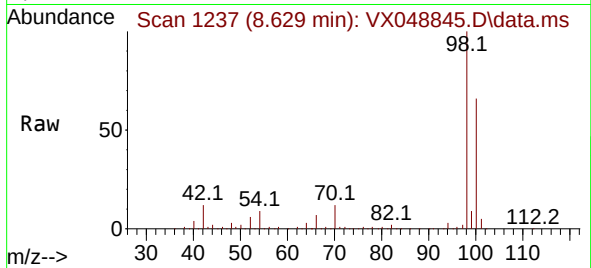




#50
Toluene-d8
Concen: 45.271 ug/l
RT: 8.629 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX048845.D
Acq: 12 Dec 2025 11:42

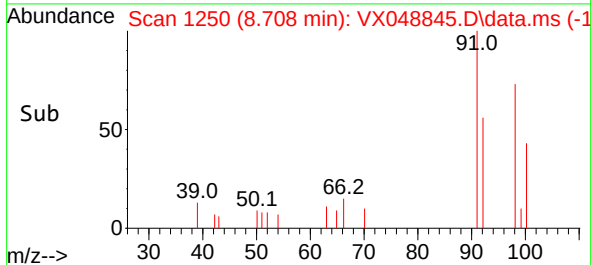
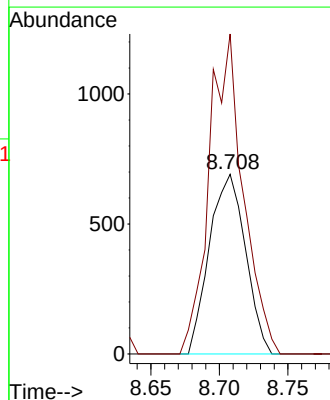
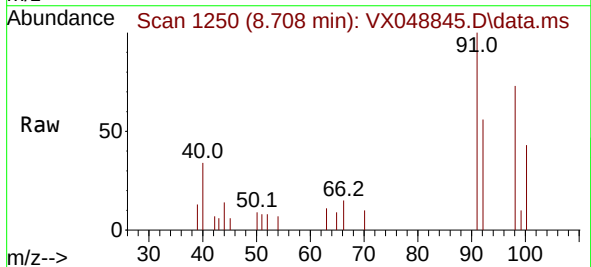
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-121125

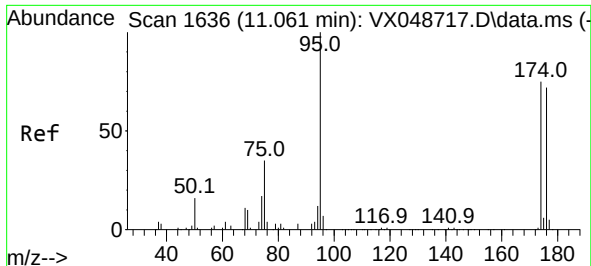
Tgt Ion: 98 Resp: 279390
Ion Ratio Lower Upper
98 100
100 65.5 53.4 80.0



#52
Toluene
Concen: 0.294 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX048845.D
Acq: 12 Dec 2025 11:42

Tgt Ion: 92 Resp: 1268
Ion Ratio Lower Upper
92 100
91 168.1 136.3 204.5

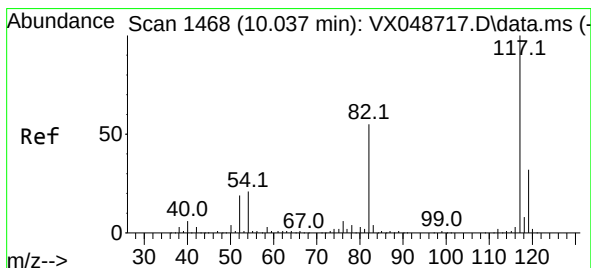
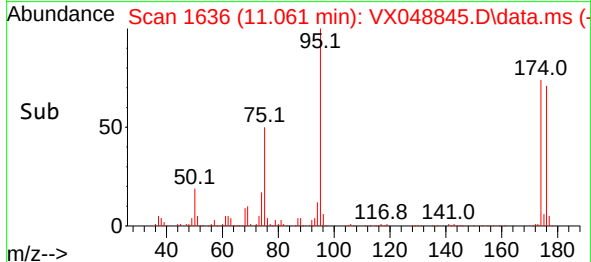
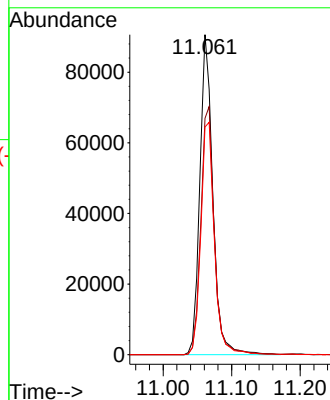
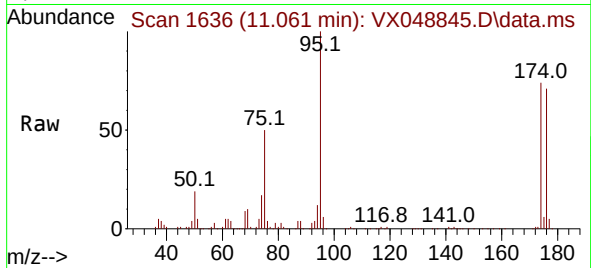




#62
4-Bromofluorobenzene
Concen: 56.155 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048845.D
Acq: 12 Dec 2025 11:42

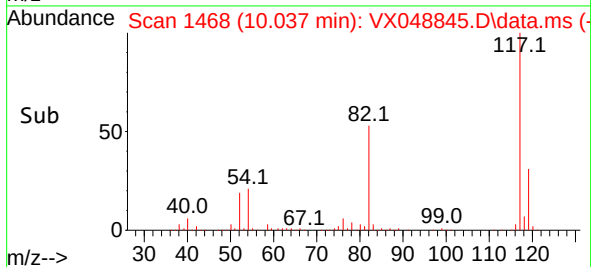
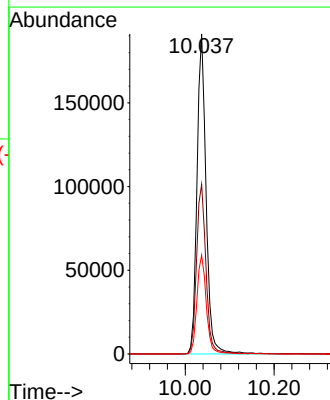
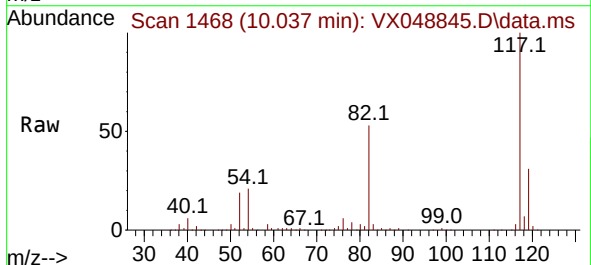
Instrument :
MSVOA_X
ClientSampleId :
MW-18B-57.5-121125

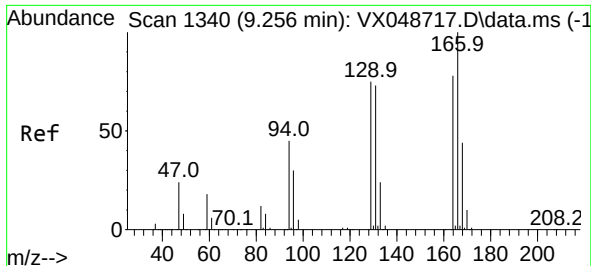
Tgt Ion: 95 Resp: 119505
Ion Ratio Lower Upper
95 100
174 81.1 0.0 157.8
176 76.2 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048845.D
Acq: 12 Dec 2025 11:42

Tgt Ion: 117 Resp: 271116
Ion Ratio Lower Upper
117 100
82 53.0 44.1 66.1
119 30.9 25.2 37.8



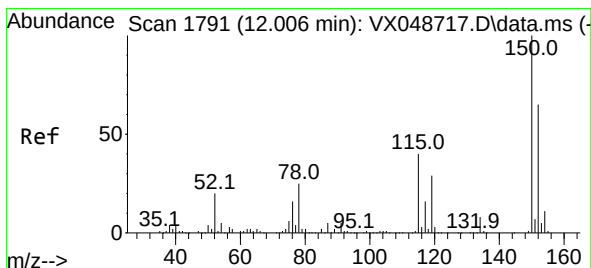
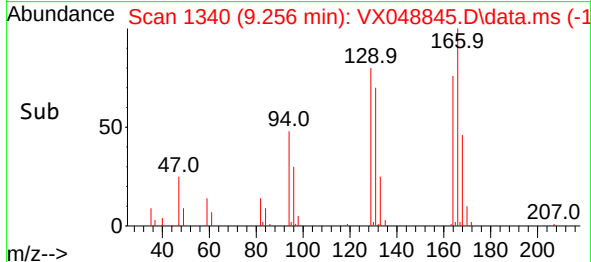
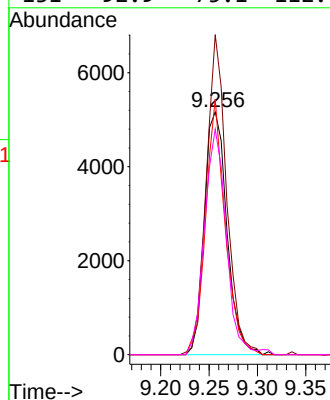
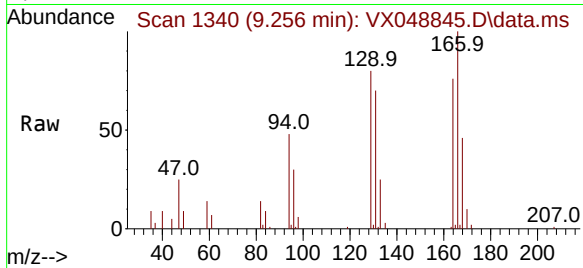


#64
Tetrachloroethene
Concen: 4.234 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048845.D
Acq: 12 Dec 2025 11:42

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

Tgt Ion:164 Resp: 8368

Ion	Ratio	Lower	Upper
164	100		
166	131.9	103.1	154.7
129	105.4	76.9	115.3
131	92.9	75.1	112.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048845.D
Acq: 12 Dec 2025 11:42

Tgt Ion:152 Resp: 141057

Ion	Ratio	Lower	Upper
152	100		
115	59.0	42.1	126.4
150	156.7	0.0	347.8

