

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
 Data File : VX048859.D
 Acq On : 12 Dec 2025 16:47
 Operator : JC/MD
 Sample : Q3849-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19B-71.5-121125

Quant Time: Dec 12 22:15:49 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)

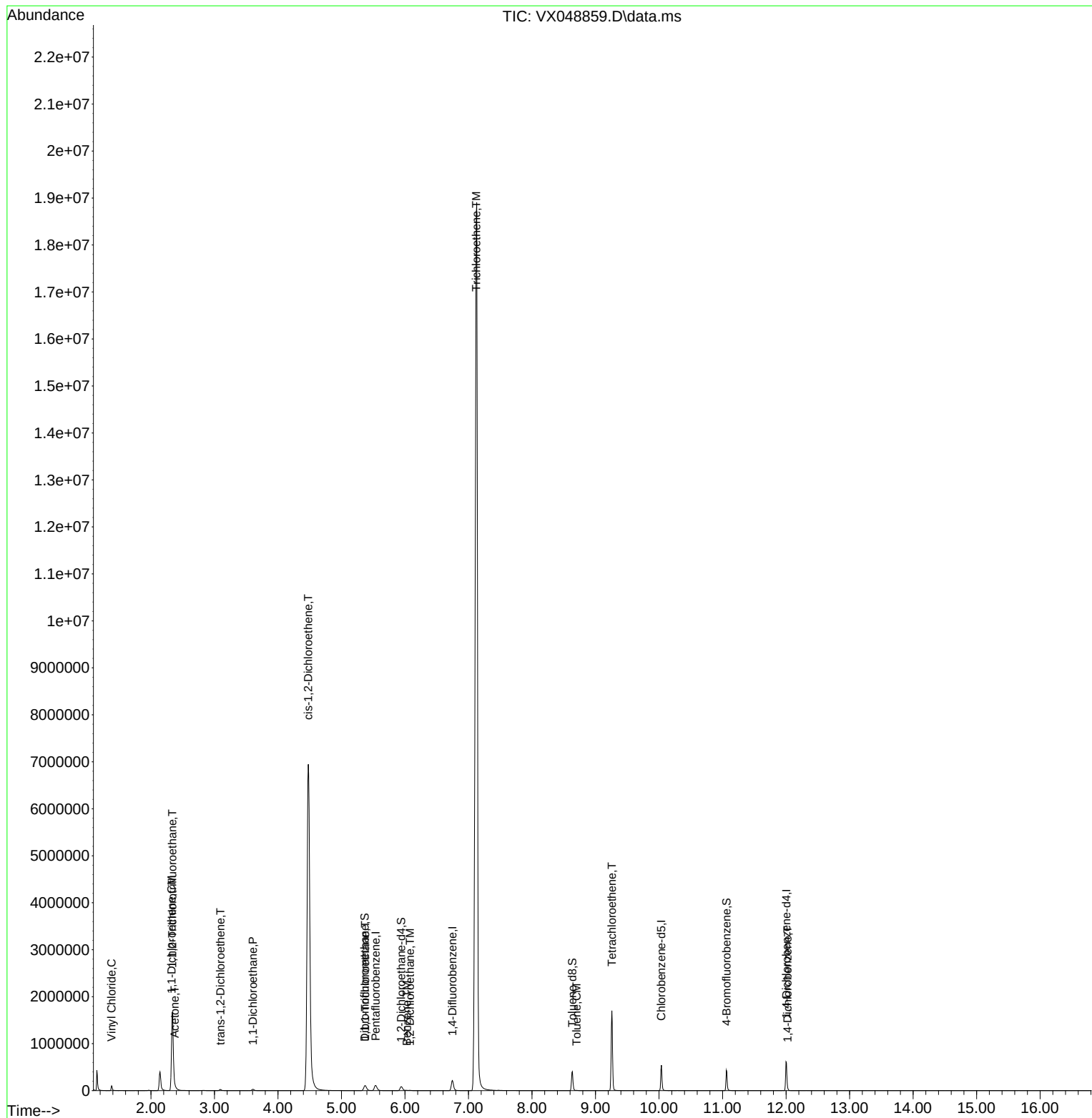
Internal Standards						
1) Pentafluorobenzene	5.537	168	115179	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	241451	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.036	117	251632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	134357	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	94449	61.096	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	122.200%#
35) Dibromofluoromethane	5.367	113	80780	48.590	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.180%
50) Toluene-d8	8.634	98	261005	44.788	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	89.580%#
62) 4-Bromofluorobenzene	11.061	95	119552	59.493	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	118.980%
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.379	62	75738	48.022	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.337	101	736634	562.134	ug/l	98
12) 1,1-Dichloroethene	2.324	96	36035	26.943	ug/l	98
16) Acetone	2.373	43	5400	9.125	ug/l	89
21) trans-1,2-Dichloroethene	3.093	96	11076	8.114	ug/l	97
24) 1,1-Dichloroethane	3.605	63	36224	15.479	ug/l	99
27) cis-1,2-Dichloroethene	4.476	96	4987357	3237.759	ug/l	96
32) 1,1,1-Trichloroethane	5.373	97	28381	12.632	ug/l	94
40) Benzene	6.031	78	5159	0.764	ug/l	96
42) 1,2-Dichloroethane	6.080	62	7917	3.314	ug/l	97
44) Trichloroethene	7.122	130	8381142	4758.567	ug/l	90
52) Toluene	8.701	92	1727	0.424	ug/l	88
64) Tetrachloroethene	9.256	164	332901	181.500	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	11035	2.397	ug/l	86

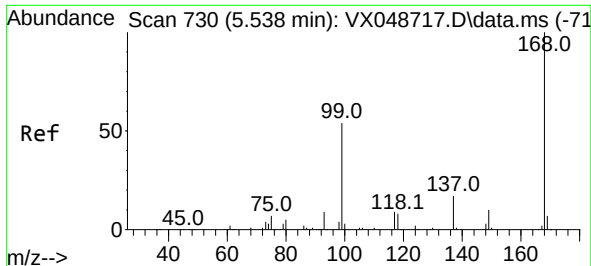
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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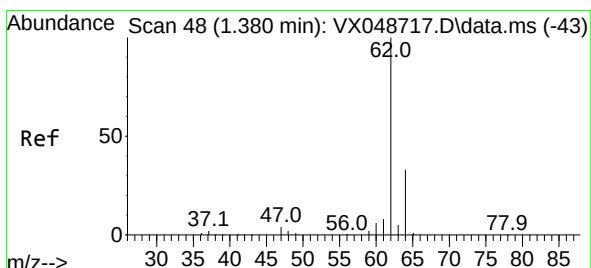
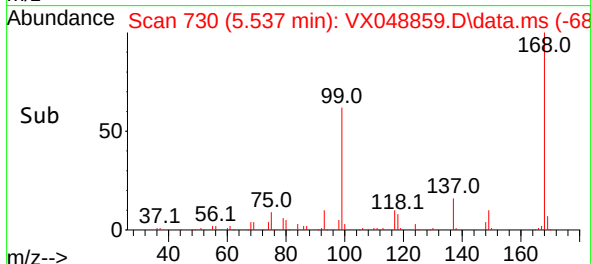
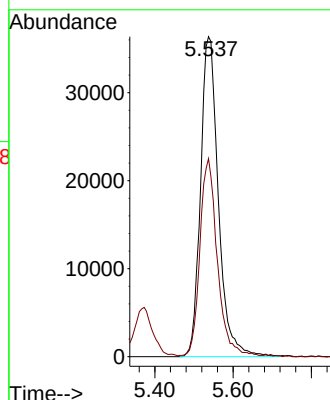
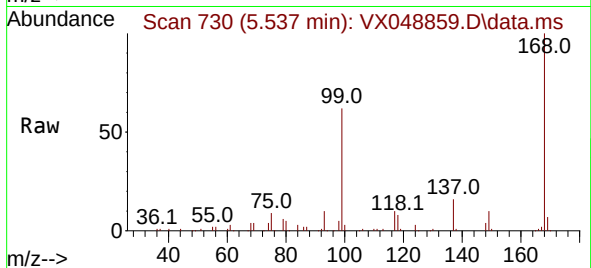




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048859.D
Acq: 12 Dec 2025 16:47

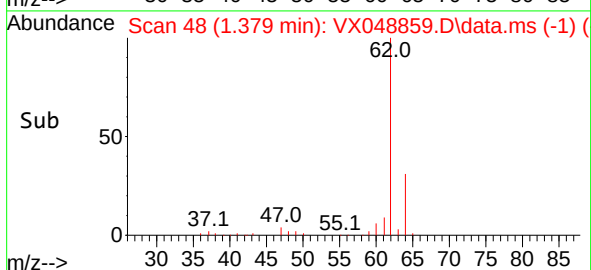
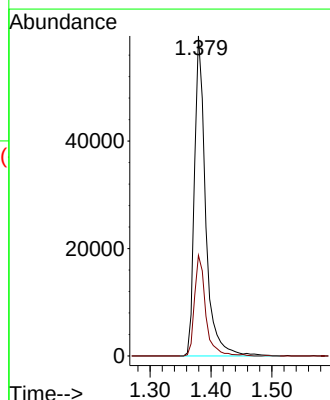
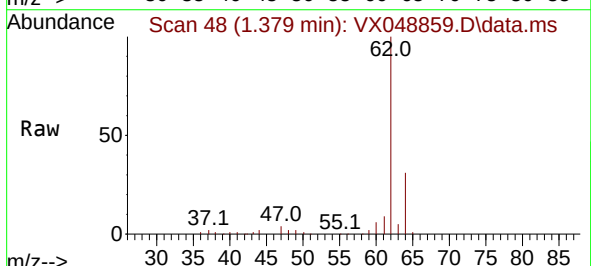
Instrument :
MSVOA_X
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MW-19B-71.5-121125

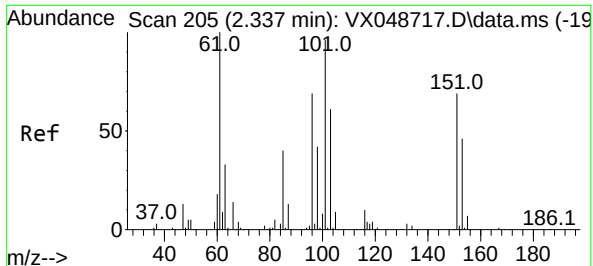
Tgt Ion:168 Resp: 115179
Ion Ratio Lower Upper
168 100
99 61.7 44.2 66.4



#4
Vinyl Chloride
Concen: 48.022 ug/l
RT: 1.379 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048859.D
Acq: 12 Dec 2025 16:47

Tgt Ion: 62 Resp: 75738
Ion Ratio Lower Upper
62 100
64 31.4 26.0 39.0

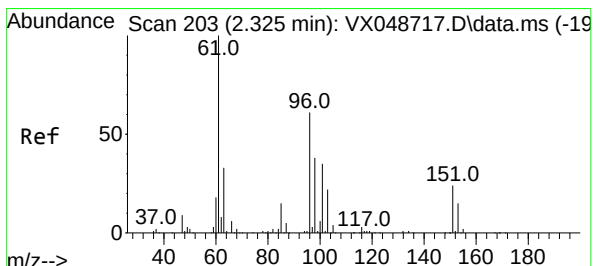
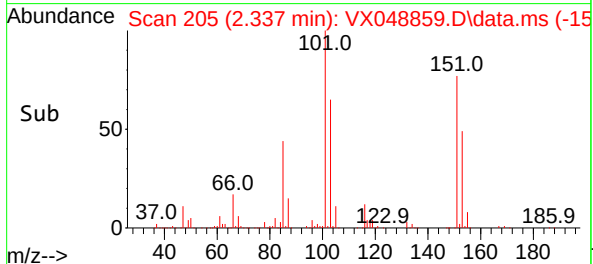
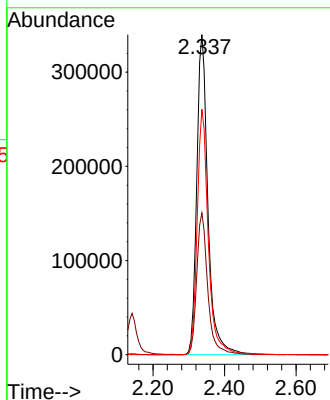
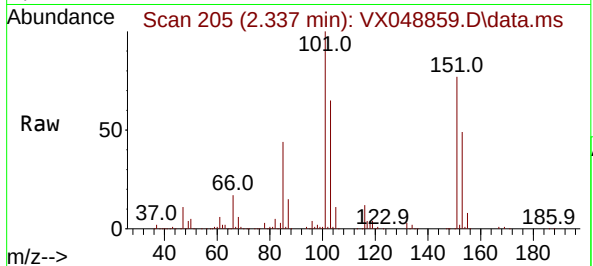




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 562.134 ug/l
 RT: 2.337 min Scan# 205
 Delta R.T. -0.000 min
 Lab File: VX048859.D
 Acq: 12 Dec 2025 16:47

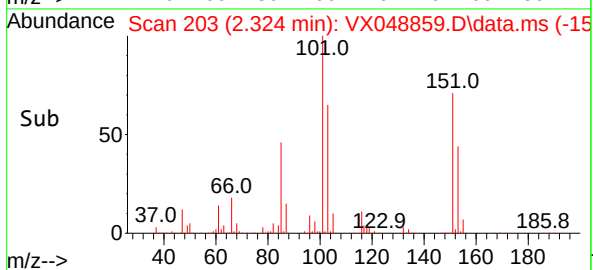
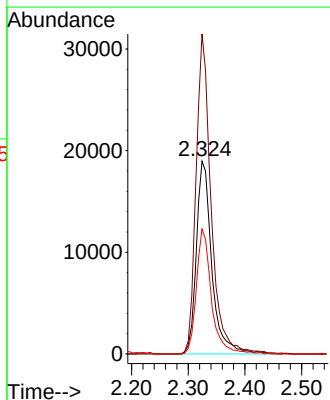
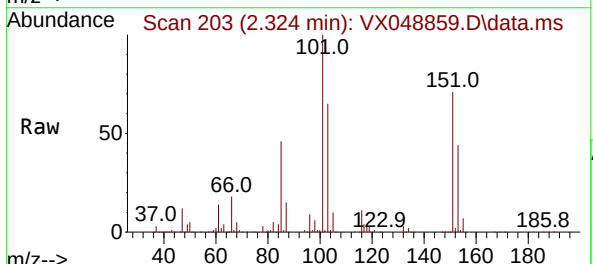
Instrument :
 MSVOA_X
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 MW-19B-71.5-121125

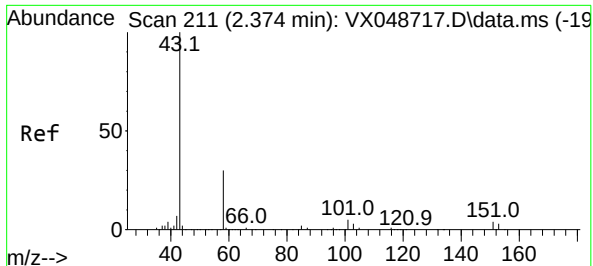
Tgt Ion:101 Resp: 736634
 Ion Ratio Lower Upper
 101 100
 85 43.9 34.2 51.2
 151 76.5 60.2 90.4



#12
 1,1-Dichloroethene
 Concen: 26.943 ug/l
 RT: 2.324 min Scan# 203
 Delta R.T. -0.000 min
 Lab File: VX048859.D
 Acq: 12 Dec 2025 16:47

Tgt Ion: 96 Resp: 36035
 Ion Ratio Lower Upper
 96 100
 61 166.0 130.7 196.1
 98 64.8 49.8 74.8

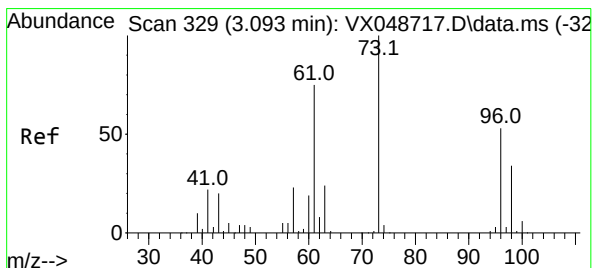
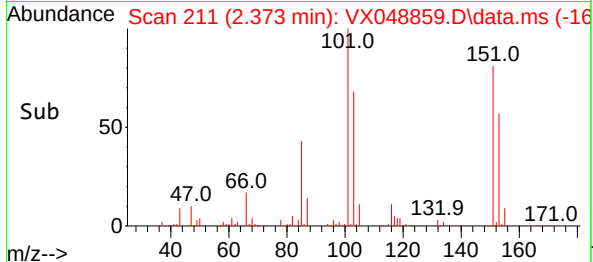
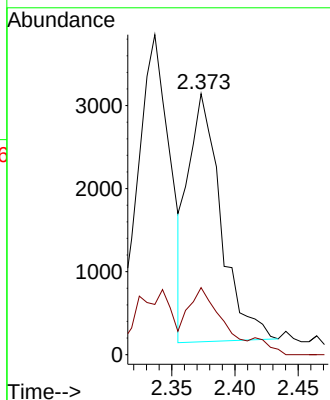
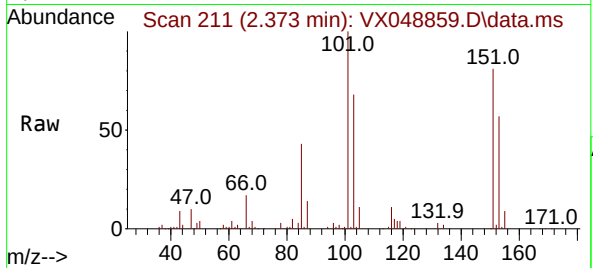




#16
Acetone
Concen: 9.125 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048859.D
Acq: 12 Dec 2025 16:47

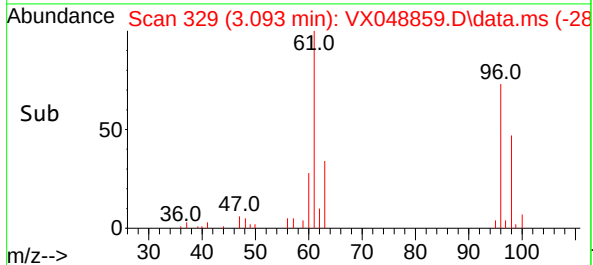
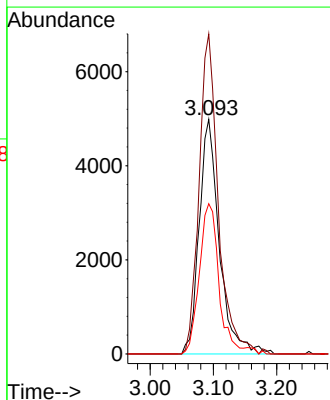
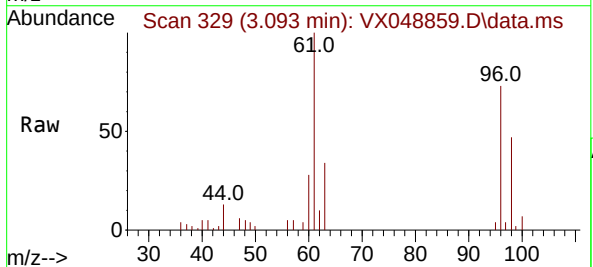
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-121125

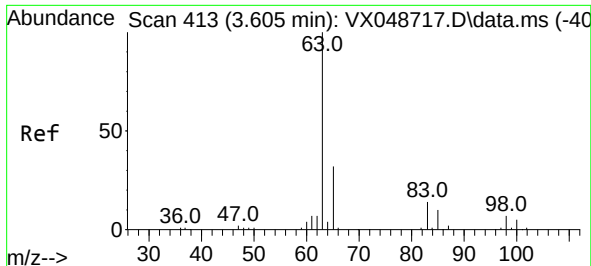
Tgt Ion: 43 Resp: 5400
Ion Ratio Lower Upper
43 100
58 25.1 25.0 37.4



#21
trans-1,2-Dichloroethene
Concen: 8.114 ug/l
RT: 3.093 min Scan# 329
Delta R.T. -0.000 min
Lab File: VX048859.D
Acq: 12 Dec 2025 16:47

Tgt Ion: 96 Resp: 11076
Ion Ratio Lower Upper
96 100
61 136.4 112.8 169.2
98 64.0 51.0 76.4

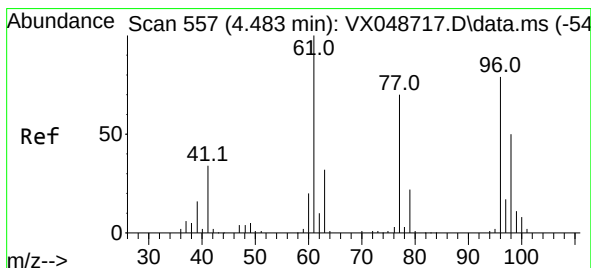
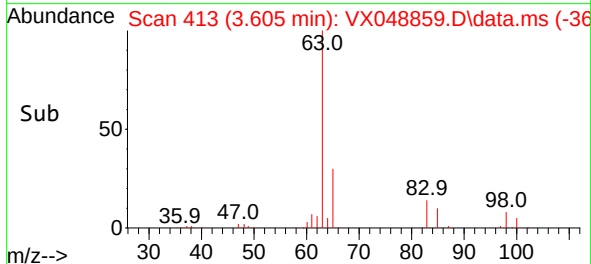
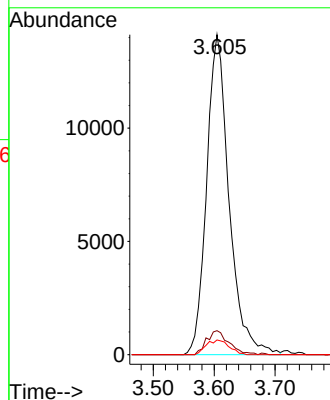
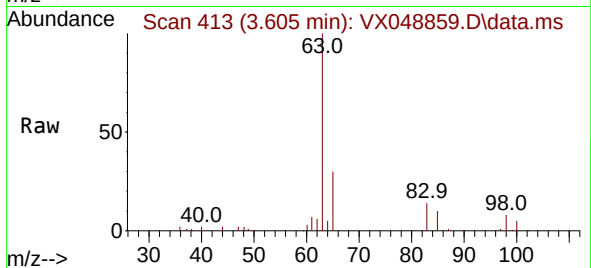




#24
1,1-Dichloroethane
Concen: 15.479 ug/l
RT: 3.605 min Scan# 41
Delta R.T. -0.000 min
Lab File: VX048859.D
Acq: 12 Dec 2025 16:47

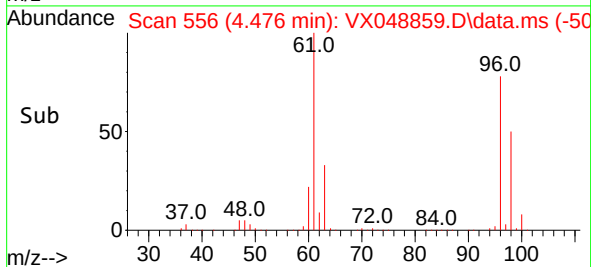
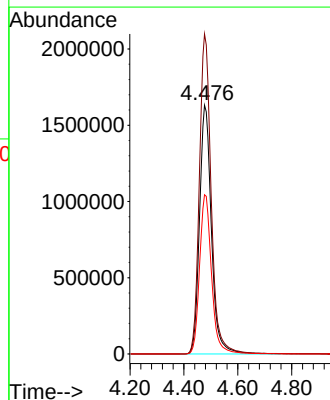
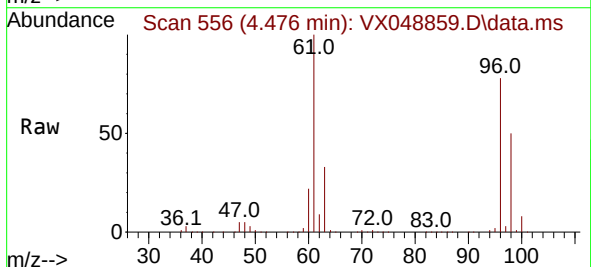
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-121125

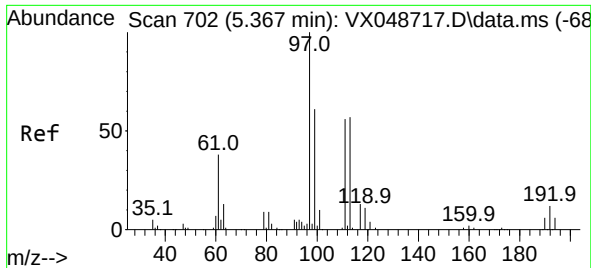
Tgt Ion: 63	Resp: 36224
Ion Ratio	Lower Upper
63 100	
98 7.5	3.5 10.6
100 4.6	2.5 7.4



#27
cis-1,2-Dichloroethene
Concen: 3237.759 ug/l
RT: 4.476 min Scan# 556
Delta R.T. -0.006 min
Lab File: VX048859.D
Acq: 12 Dec 2025 16:47

Tgt Ion: 96		Resp: 4987357	
Ion	Ratio	Lower	Upper
96	100		
61	128.0	0.0	271.0
98	64.5	0.0	130.2

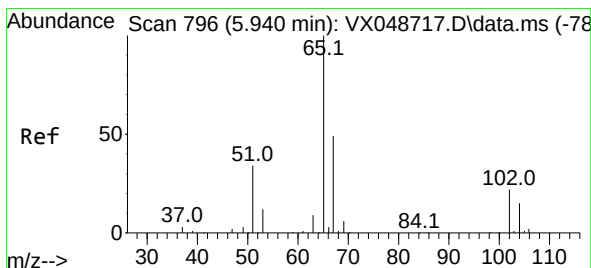
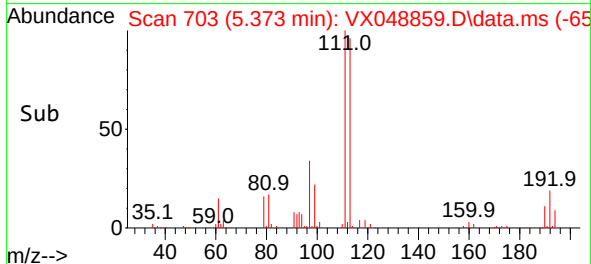
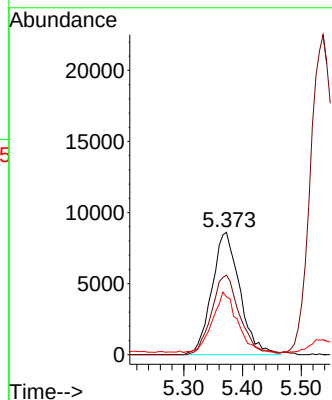
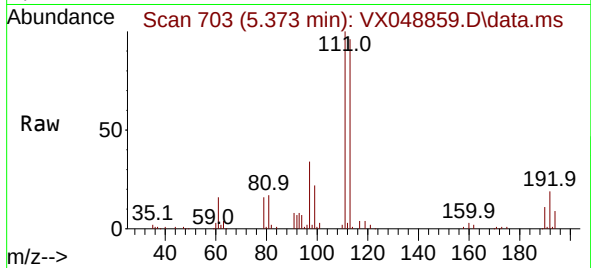




#32
 1,1,1-Trichloroethane
 Concen: 12.632 ug/l
 RT: 5.373 min Scan# 702
 Delta R.T. 0.006 min
 Lab File: VX048859.D
 Acq: 12 Dec 2025 16:47

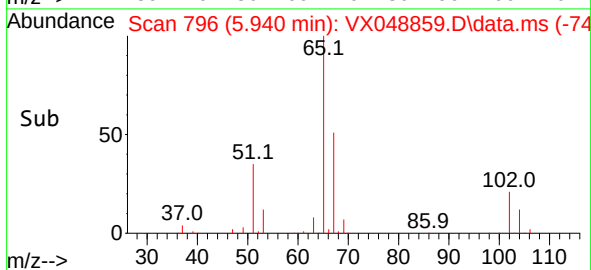
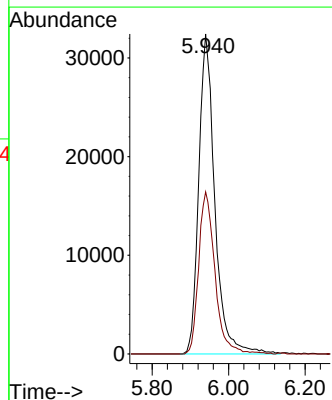
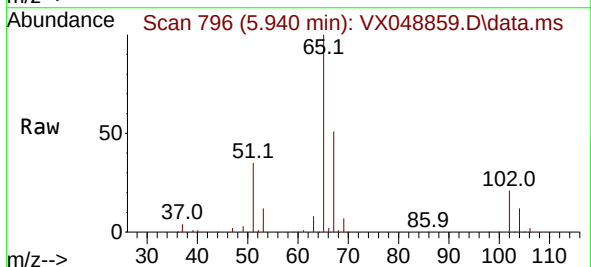
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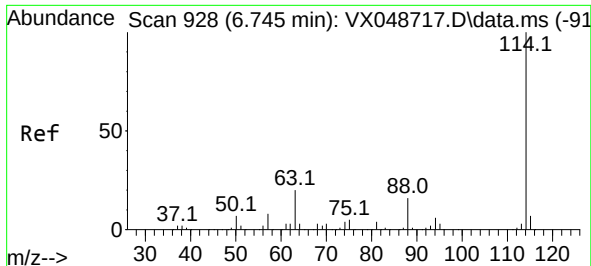
Tgt Ion:	97	Resp:	28381
Ion	Ratio	Lower	Upper
97	100		
99	65.1	50.5	75.7
61	44.8	30.6	45.8



#33
 1,2-Dichloroethane-d4
 Concen: 61.096 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. -0.000 min
 Lab File: VX048859.D
 Acq: 12 Dec 2025 16:47

Tgt Ion:	65	Resp:	94449
Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	107.4

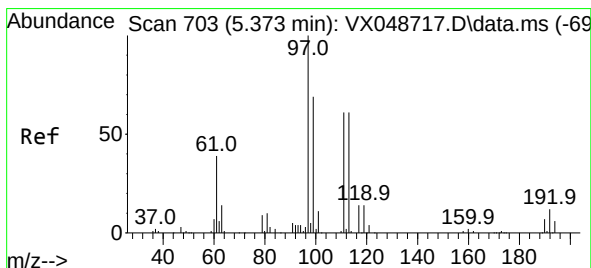
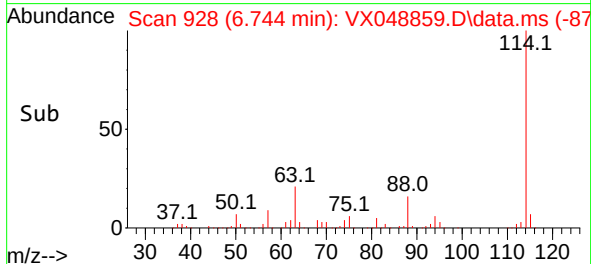
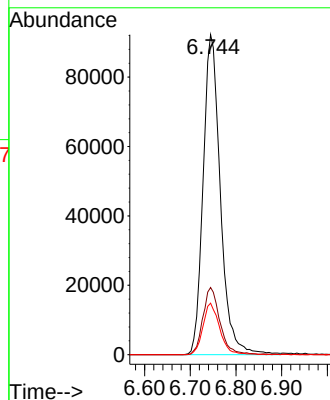
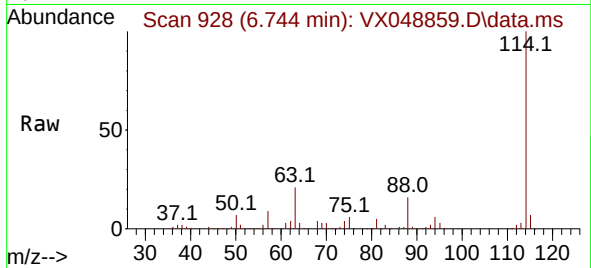




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.744 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048859.D
Acq: 12 Dec 2025 16:47

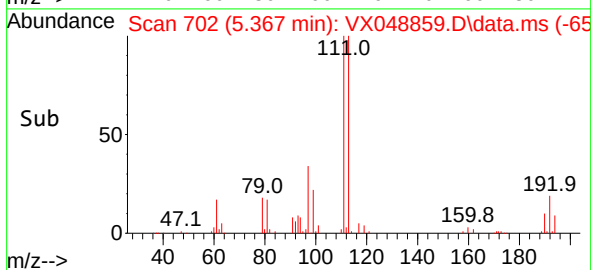
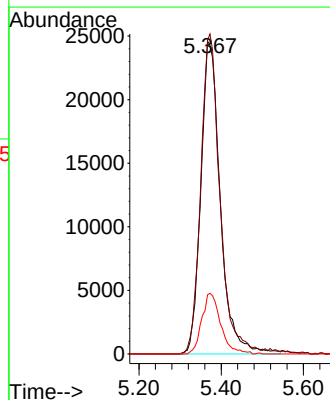
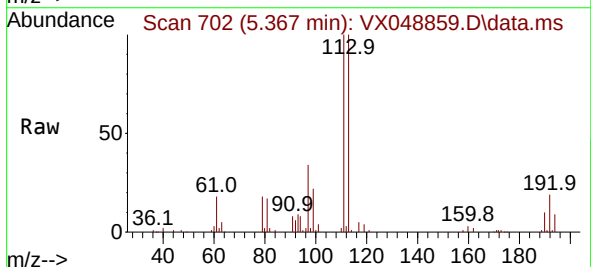
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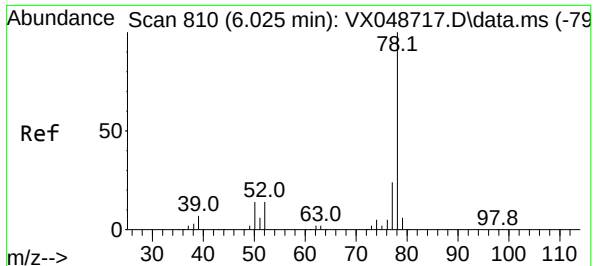
Tgt Ion:114 Resp: 241451
Ion Ratio Lower Upper
114 100
63 21.0 0.0 39.0
88 16.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 48.590 ug/l
RT: 5.367 min Scan# 702
Delta R.T. -0.006 min
Lab File: VX048859.D
Acq: 12 Dec 2025 16:47

Tgt Ion:113 Resp: 80780
Ion Ratio Lower Upper
113 100
111 101.1 79.5 119.3
192 18.8 16.1 24.1

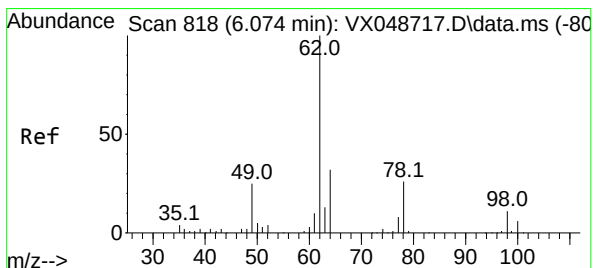
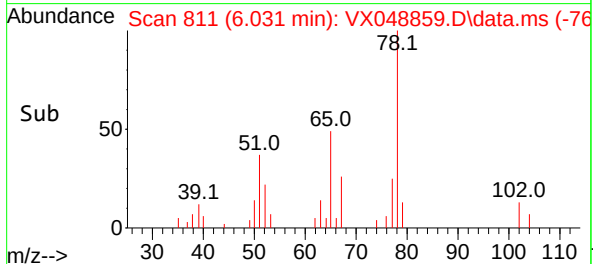
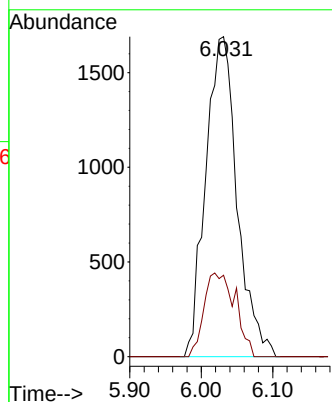
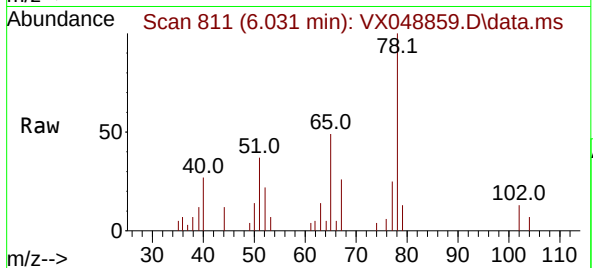




#40
Benzene
Concen: 0.764 ug/l
RT: 6.031 min Scan# 810
Delta R.T. 0.006 min
Lab File: VX048859.D
Acq: 12 Dec 2025 16:47

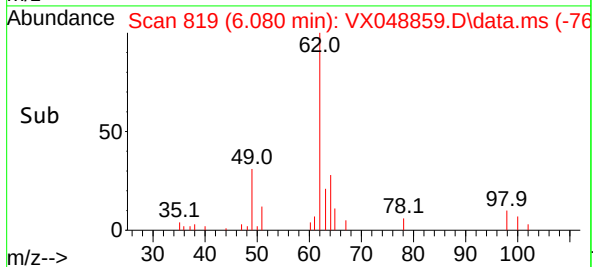
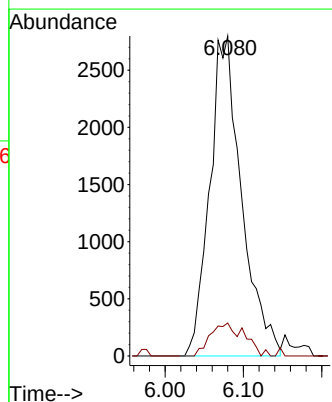
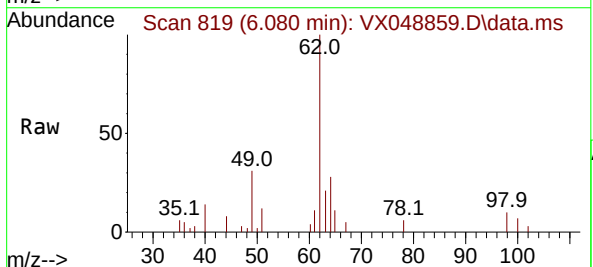
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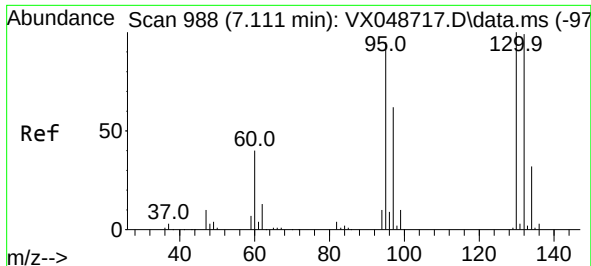
Tgt Ion: 78 Resp: 5159
Ion Ratio Lower Upper
78 100
77 25.4 18.8 28.2



#42
1,2-Dichloroethane
Concen: 3.314 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX048859.D
Acq: 12 Dec 2025 16:47

Tgt Ion: 62 Resp: 7917
Ion Ratio Lower Upper
62 100
98 11.0 0.0 20.2

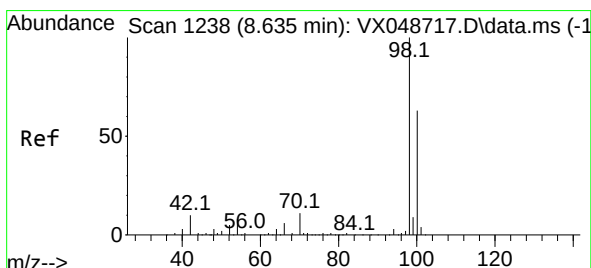
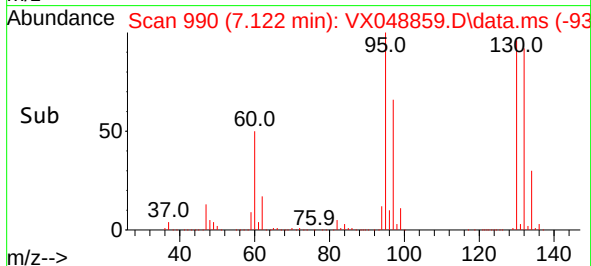
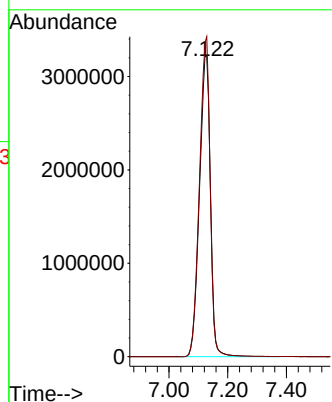
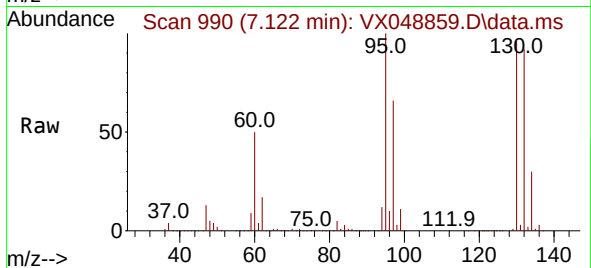




#44
Trichloroethene
Concen: 4758.567 ug/l
RT: 7.122 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX048859.D
Acq: 12 Dec 2025 16:47

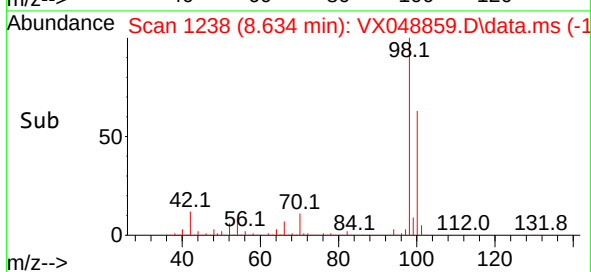
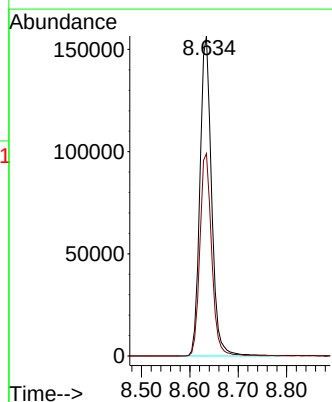
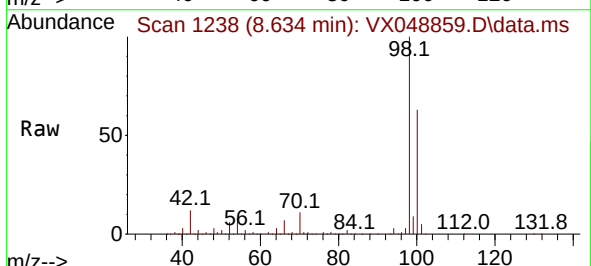
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-121125

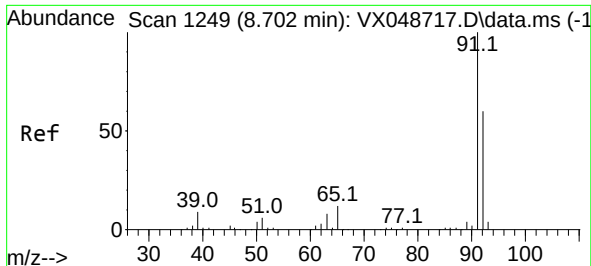
Tgt Ion:130 Resp: 8381142
Ion Ratio Lower Upper
130 100
95 104.5 0.0 189.6



#50
Toluene-d8
Concen: 44.788 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048859.D
Acq: 12 Dec 2025 16:47

Tgt Ion: 98 Resp: 261005
Ion Ratio Lower Upper
98 100
100 64.1 53.4 80.0

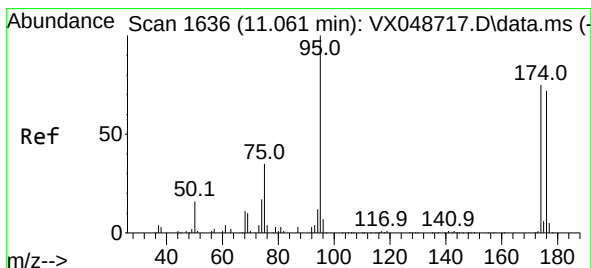
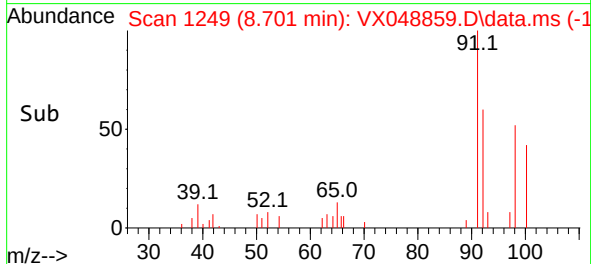
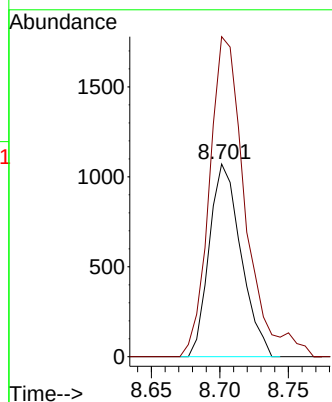
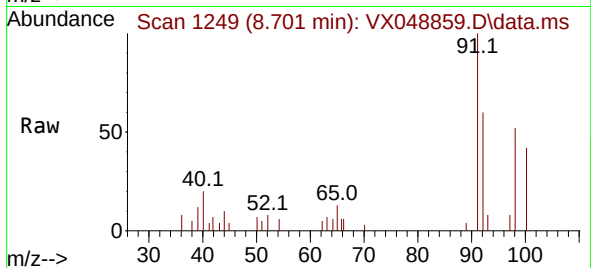




#52
Toluene
Concen: 0.424 ug/l
RT: 8.701 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048859.D
Acq: 12 Dec 2025 16:47

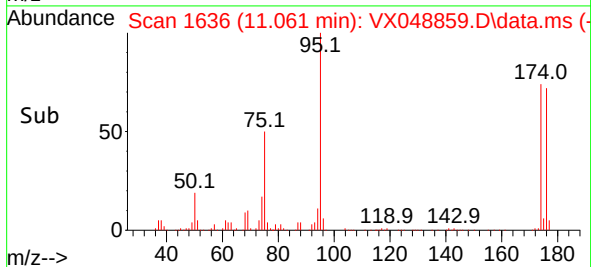
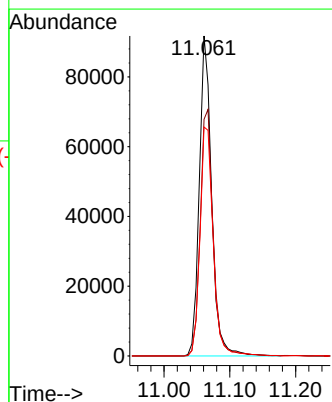
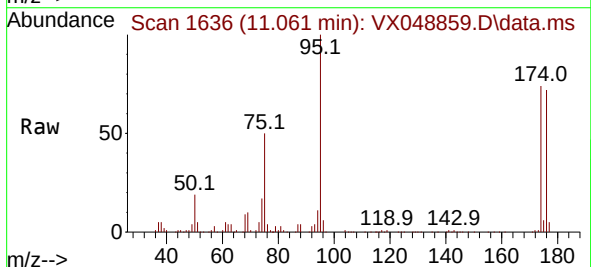
Instrument :
MSVOA_X
ClientSampleId :
MW-19B-71.5-121125

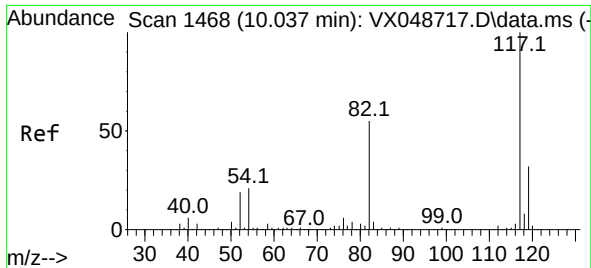
Tgt Ion: 92 Resp: 1727
Ion Ratio Lower Upper
92 100
91 187.4 136.3 204.5



#62
4-Bromofluorobenzene
Concen: 59.493 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048859.D
Acq: 12 Dec 2025 16:47

Tgt Ion: 95 Resp: 119552
Ion Ratio Lower Upper
95 100
174 80.8 0.0 157.8
176 76.8 0.0 154.0

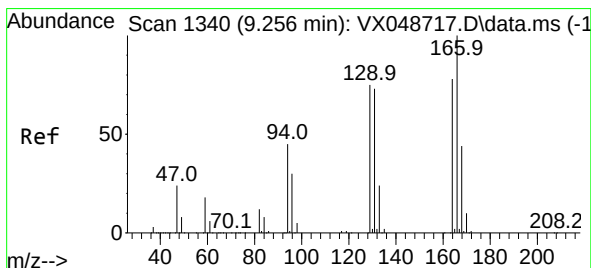
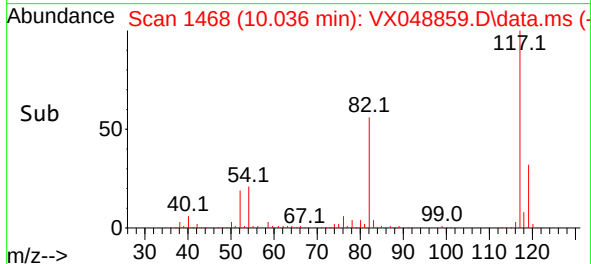
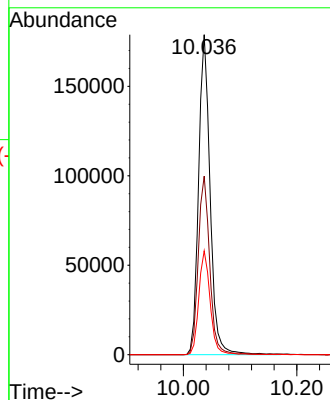
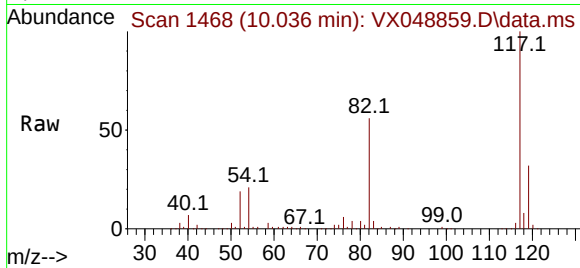




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.036 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048859.D
Acq: 12 Dec 2025 16:47

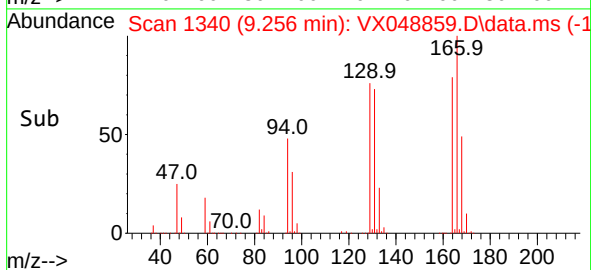
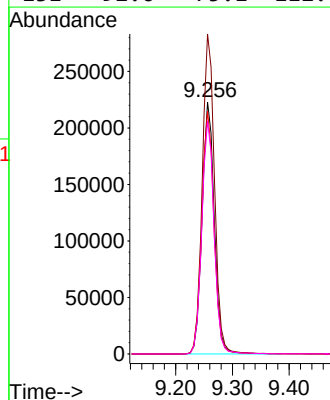
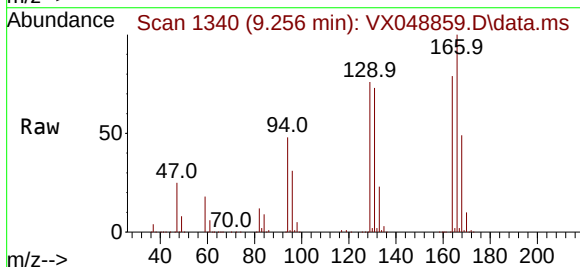
Instrument : MSVOA_X
ClientSampleId : MW-19B-71.5-121125

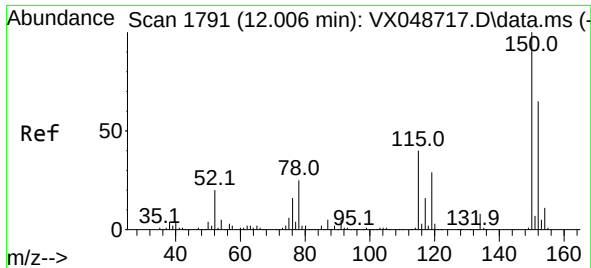
Tgt Ion:117 Resp: 251632
Ion Ratio Lower Upper
117 100
82 55.8 44.1 66.1
119 32.5 25.2 37.8



#64
Tetrachloroethene
Concen: 181.500 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048859.D
Acq: 12 Dec 2025 16:47

Tgt Ion:164 Resp: 332901
Ion Ratio Lower Upper
164 100
166 127.1 103.1 154.7
129 96.4 76.9 115.3
131 92.6 75.1 112.7

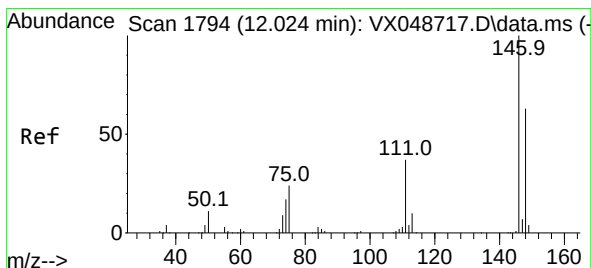
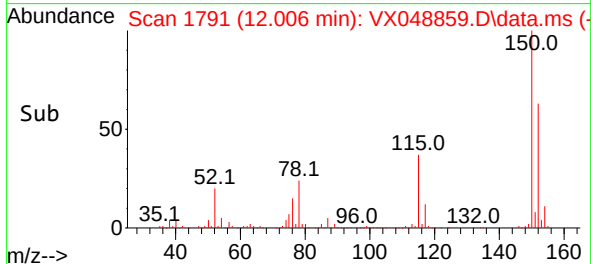
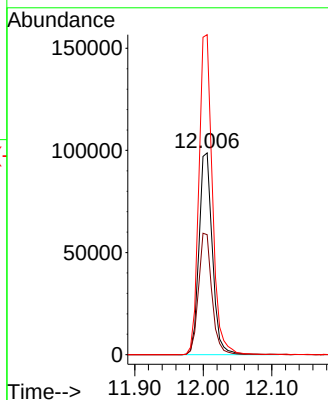
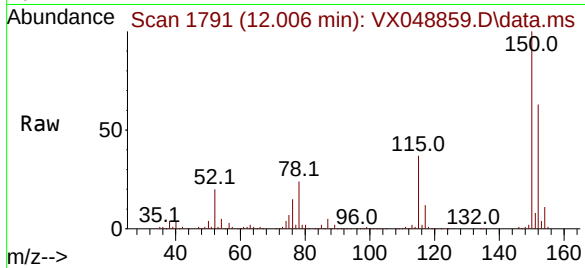




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX048859.D
 Acq: 12 Dec 2025 16:47

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-19B-71.5-121125

Tgt Ion:152 Resp: 134357
 Ion Ratio Lower Upper
 152 100
 115 60.4 42.1 126.4
 150 160.4 0.0 347.8



#88
 1,4-Dichlorobenzene
 Concen: 2.397 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. -0.000 min
 Lab File: VX048859.D
 Acq: 12 Dec 2025 16:47

Tgt Ion:146 Resp: 11035
 Ion Ratio Lower Upper
 146 100
 111 54.3 19.6 58.7
 148 69.1 31.6 94.7

