

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
 Data File : VX048857.D
 Acq On : 12 Dec 2025 16:03
 Operator : JC/MD
 Sample : Q3849-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RMW-02B-67-121125

Quant Time: Dec 12 22:14:54 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)

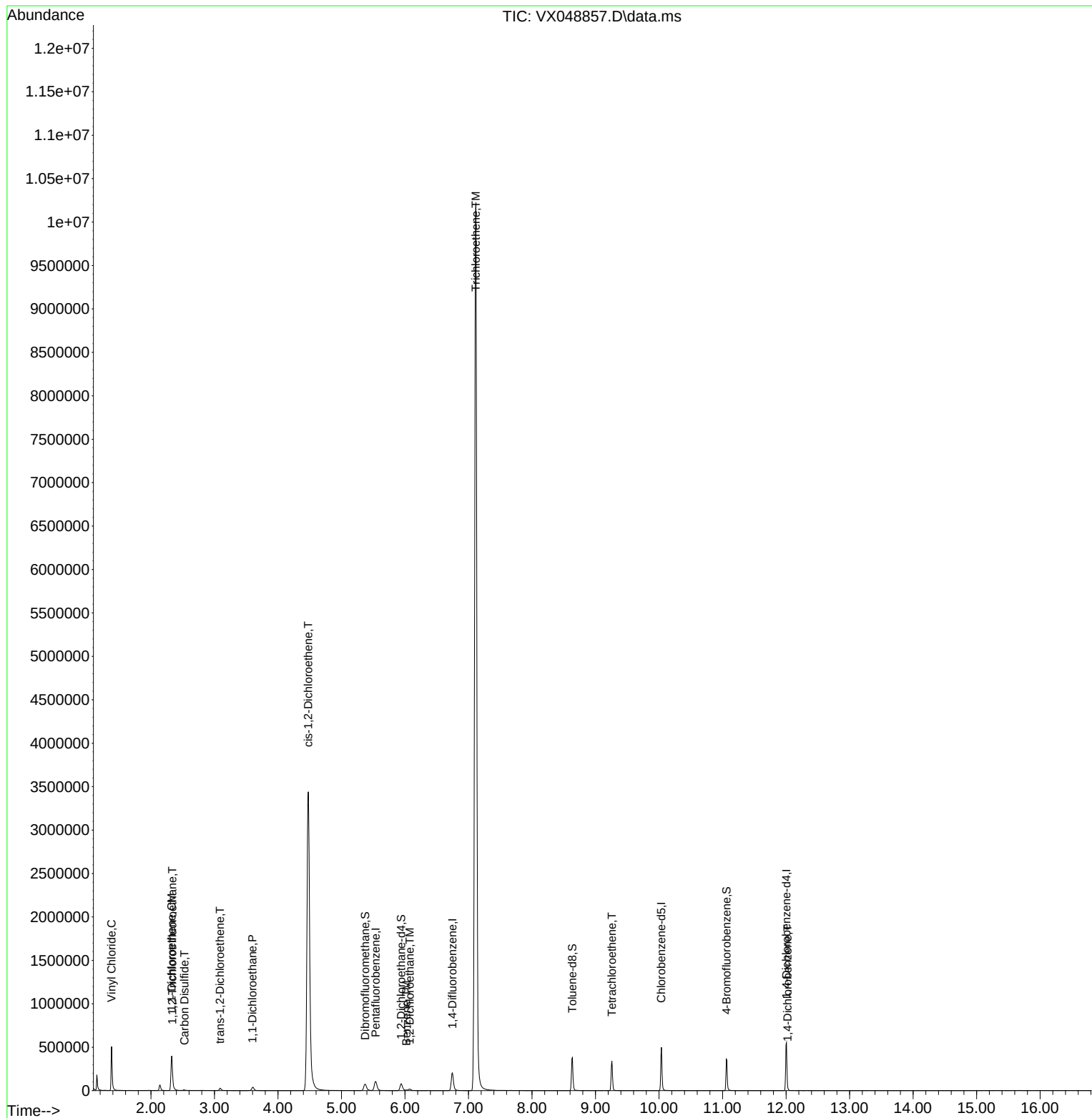
Internal Standards						
1) Pentafluorobenzene	5.537	168	108718	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	223506	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	232553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	124059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	83588	57.284	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	114.560%
35) Dibromofluoromethane	5.373	113	74638	48.500	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.000%
50) Toluene-d8	8.634	98	241877	44.838	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	89.680%#
62) 4-Bromofluorobenzene	11.061	95	105624	56.782	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	113.560%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.380	62	363679	244.295	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.337	101	19135	15.470	ug/l	98
12) 1,1-Dichloroethene	2.325	96	136286	107.954	ug/l	95
17) Carbon Disulfide	2.526	76	6690	1.825	ug/l	95
21) trans-1,2-Dichloroethene	3.087	96	12157	9.435	ug/l	88
24) 1,1-Dichloroethane	3.599	63	48241	21.839	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	2458672	1691.012	ug/l	95
40) Benzene	6.019	78	4436	0.710	ug/l	97
42) 1,2-Dichloroethane	6.074	62	21399	9.676	ug/l	99
44) Trichloroethene	7.116	130	4413361	2706.963	ug/l	92
64) Tetrachloroethene	9.256	164	68900	40.647	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	2189	0.515	ug/l #	37

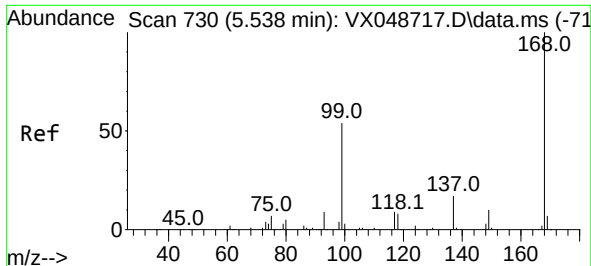
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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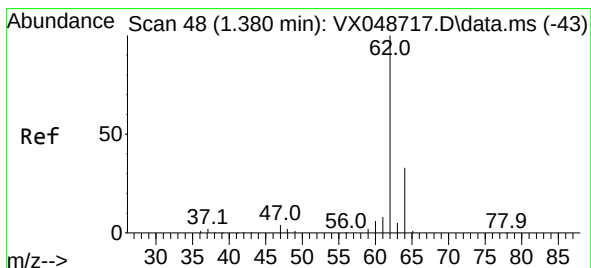
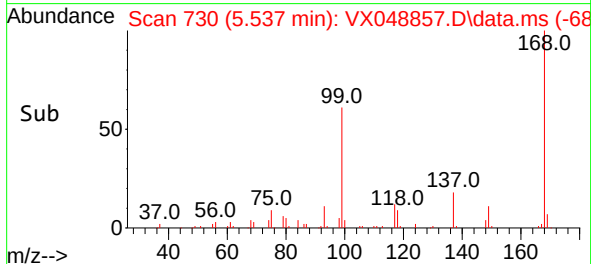
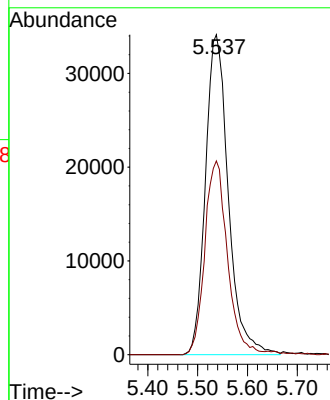
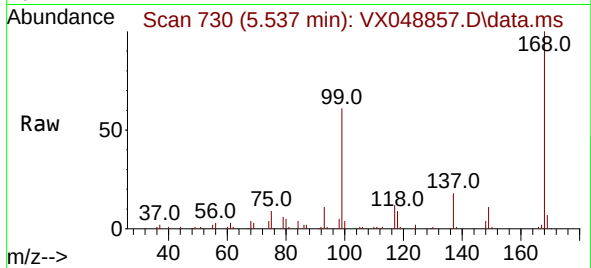




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048857.D
Acq: 12 Dec 2025 16:03

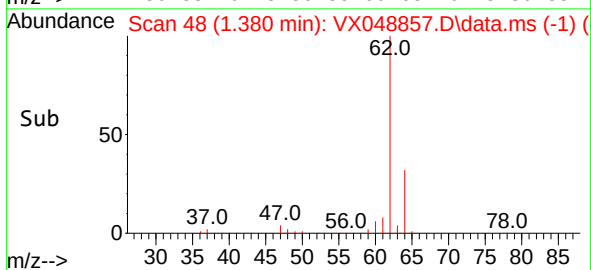
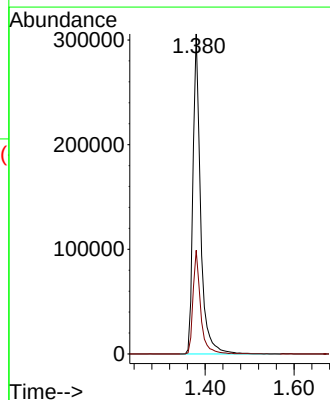
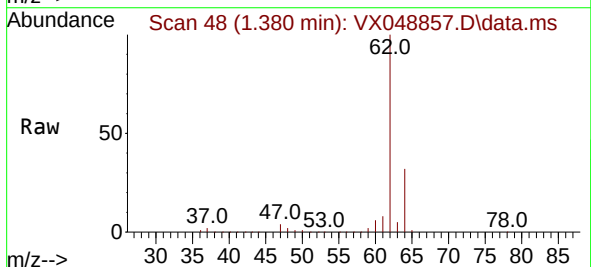
Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-67-121125

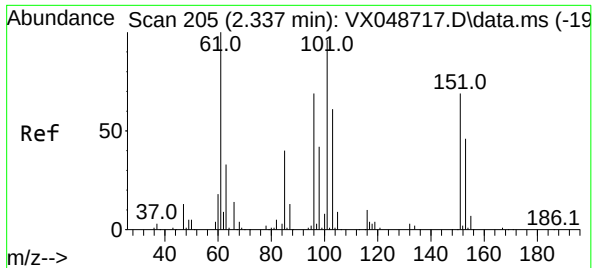
Tgt Ion:168 Resp: 108718
Ion Ratio Lower Upper
168 100
99 60.6 44.2 66.4



#4
Vinyl Chloride
Concen: 244.295 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048857.D
Acq: 12 Dec 2025 16:03

Tgt Ion: 62 Resp: 363679
Ion Ratio Lower Upper
62 100
64 32.4 26.0 39.0

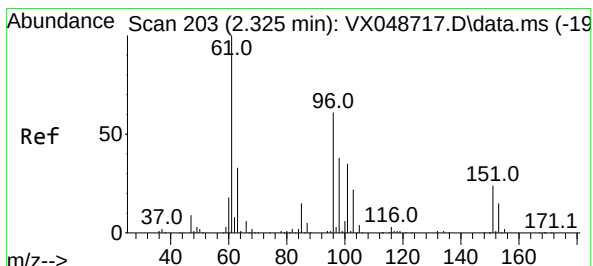
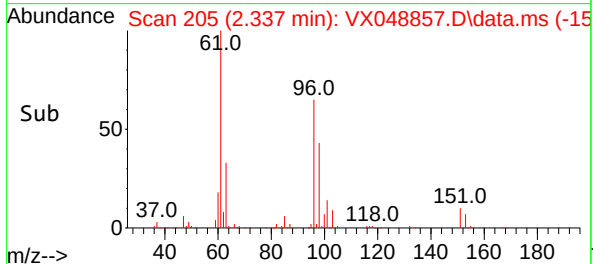
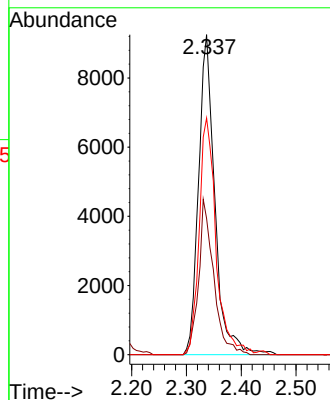
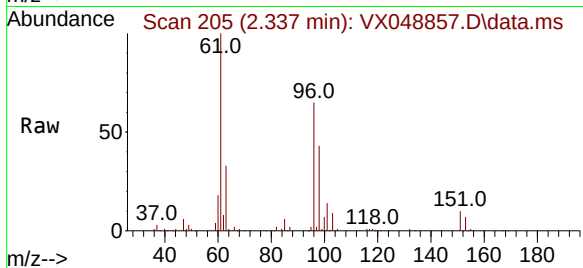




#9
1,1,2-Trichlorotrifluoroethane
Concen: 15.470 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX048857.D
Acq: 12 Dec 2025 16:03

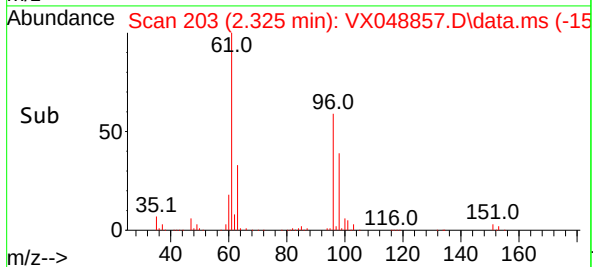
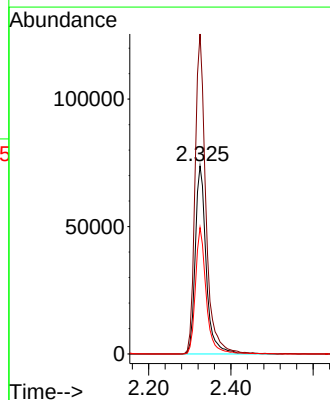
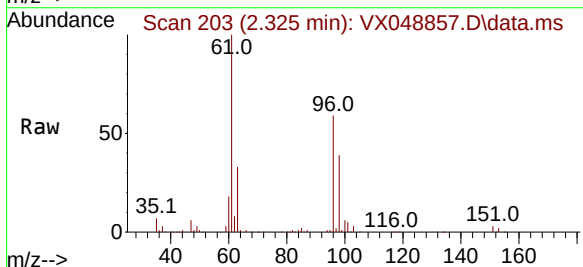
Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-67-121125

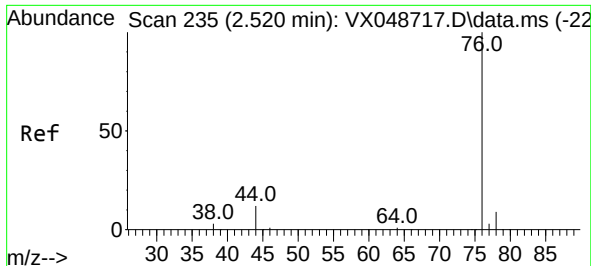
Tgt Ion:	101	Resp:	19135
Ion	Ratio	Lower	Upper
101	100		
85	45.0	34.2	51.2
151	76.8	60.2	90.4



#12
1,1-Dichloroethene
Concen: 107.954 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048857.D
Acq: 12 Dec 2025 16:03

Tgt Ion:	96	Resp:	136286
Ion	Ratio	Lower	Upper
96	100		
61	170.2	130.7	196.1
98	67.2	49.8	74.8

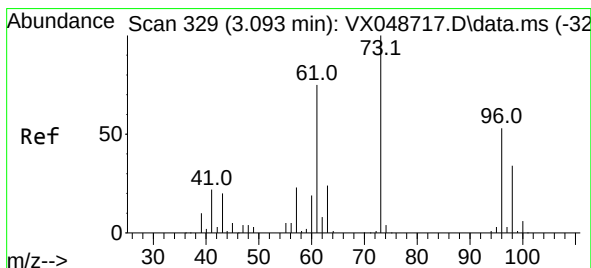
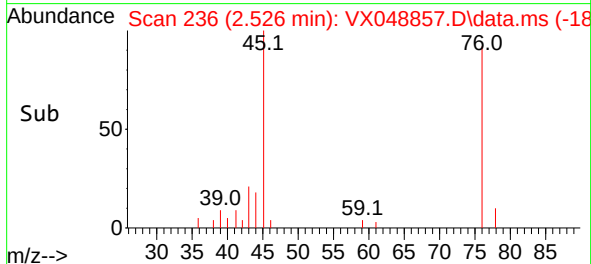
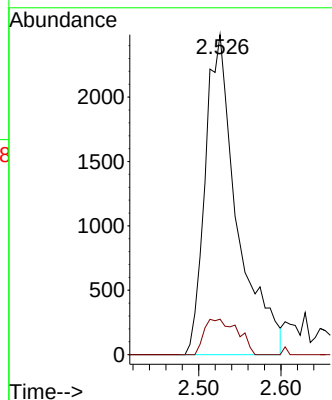
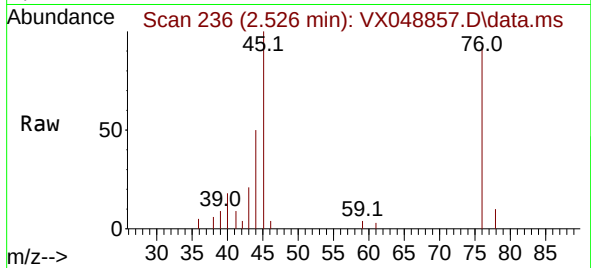




#17
Carbon Disulfide
Concen: 1.825 ug/l
RT: 2.526 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048857.D
Acq: 12 Dec 2025 16:03

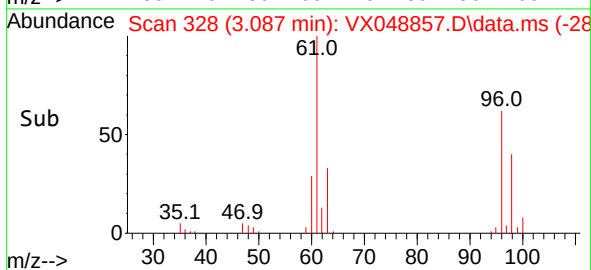
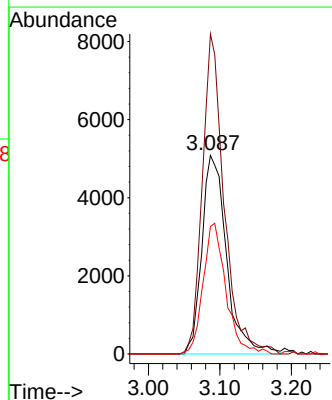
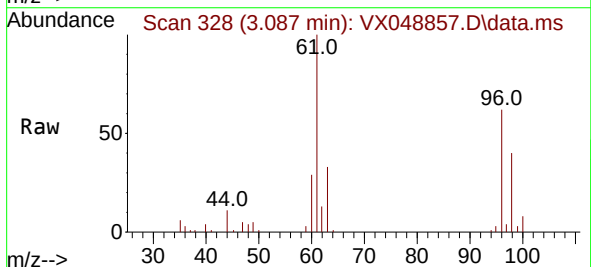
Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-67-121125

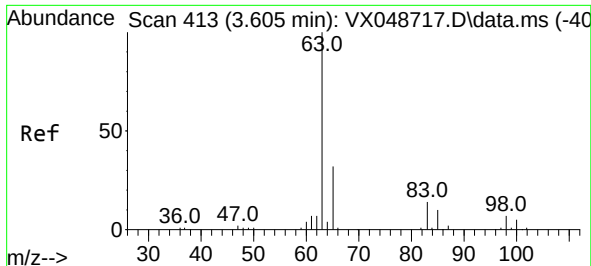
Tgt Ion: 76 Resp: 6690
Ion Ratio Lower Upper
76 100
78 11.1 7.4 11.2



#21
trans-1,2-Dichloroethene
Concen: 9.435 ug/l
RT: 3.087 min Scan# 328
Delta R.T. -0.006 min
Lab File: VX048857.D
Acq: 12 Dec 2025 16:03

Tgt Ion: 96 Resp: 12157
Ion Ratio Lower Upper
96 100
61 161.2 112.8 169.2
98 64.2 51.0 76.4

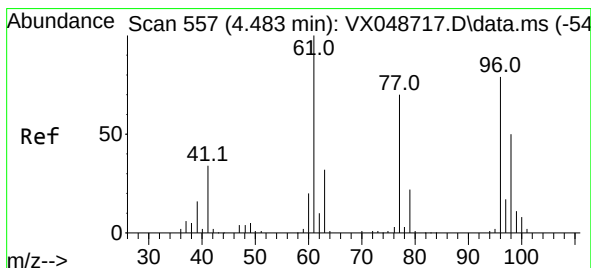
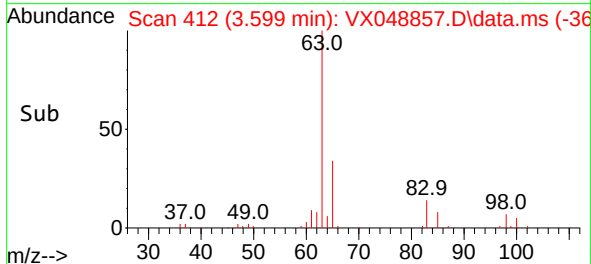
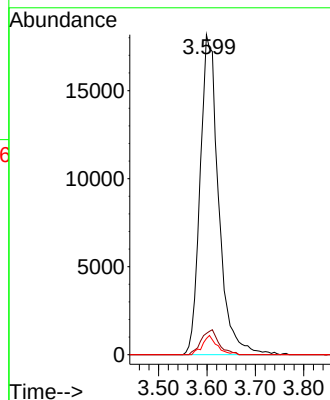
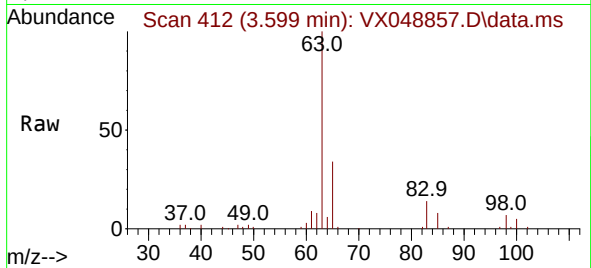




#24
 1,1-Dichloroethane
 Concen: 21.839 ug/l
 RT: 3.599 min Scan# 41
 Delta R.T. -0.006 min
 Lab File: VX048857.D
 Acq: 12 Dec 2025 16:03

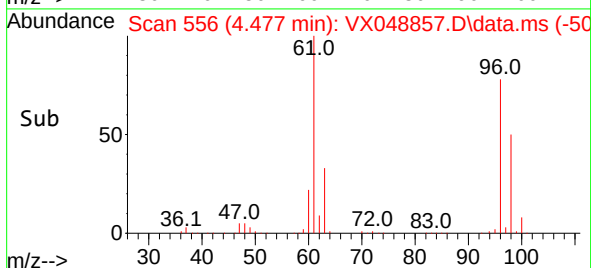
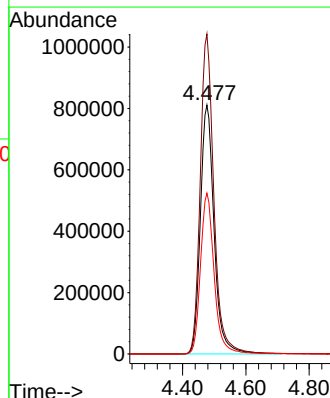
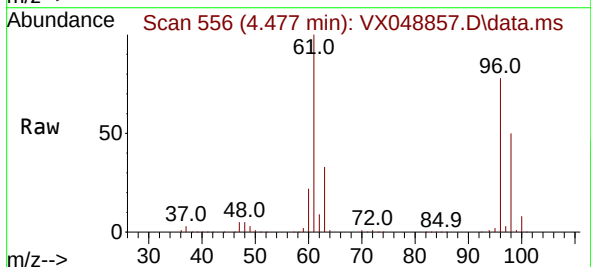
Instrument :
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 ClientSampleId :
 RMW-02B-67-121125

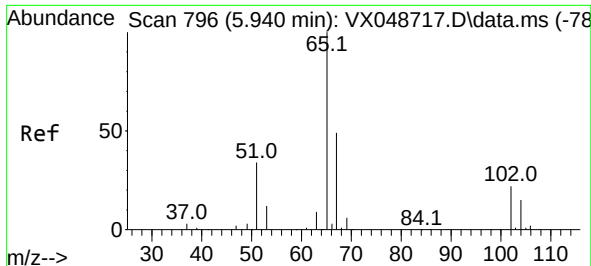
Tgt Ion: 63 Resp: 48241
 Ion Ratio Lower Upper
 63 100
 98 6.6 3.5 10.6
 100 5.0 2.5 7.4



#27
 cis-1,2-Dichloroethene
 Concen: 1691.012 ug/l
 RT: 4.477 min Scan# 556
 Delta R.T. -0.006 min
 Lab File: VX048857.D
 Acq: 12 Dec 2025 16:03

Tgt Ion: 96 Resp: 2458672
 Ion Ratio Lower Upper
 96 100
 61 127.3 0.0 271.0
 98 64.0 0.0 130.2

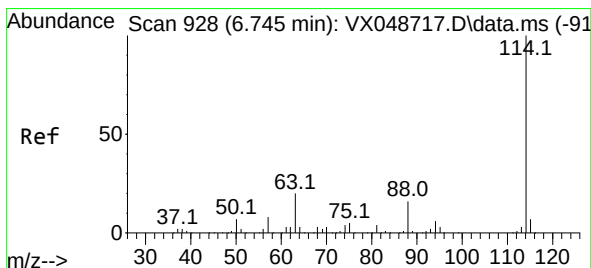
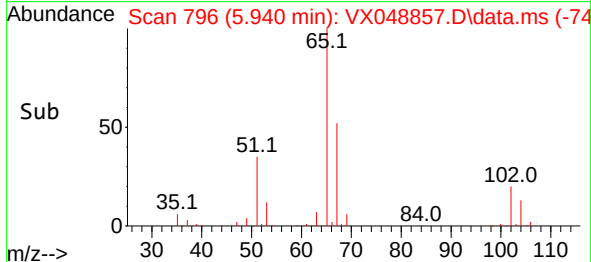
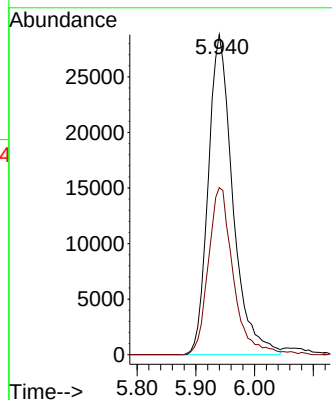
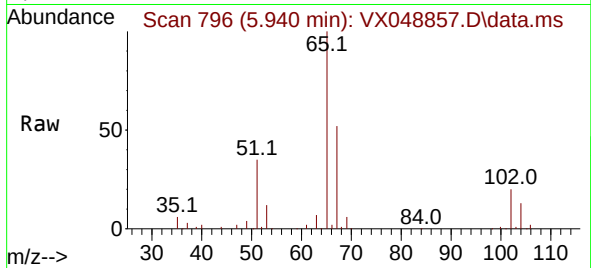




#33
 1,2-Dichloroethane-d4
 Concen: 57.284 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. -0.000 min
 Lab File: VX048857.D
 Acq: 12 Dec 2025 16:03

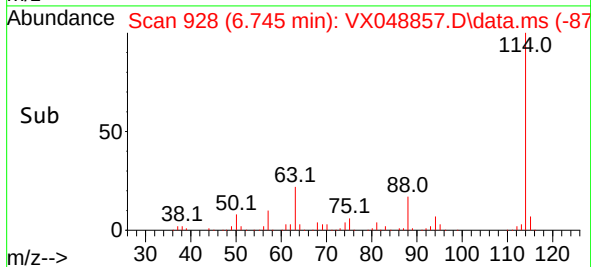
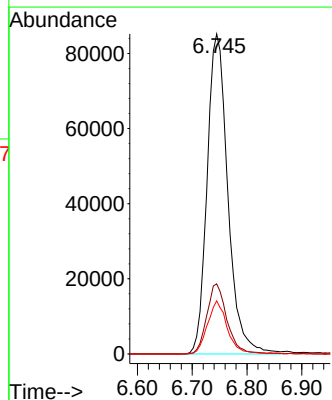
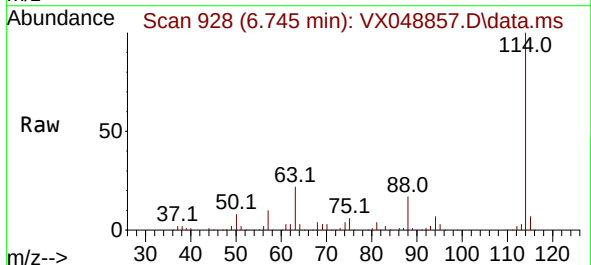
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 RMW-02B-67-121125

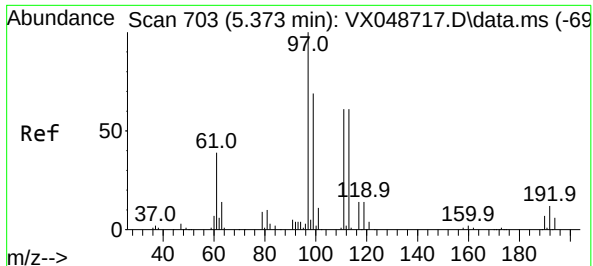
Tgt Ion: 65 Resp: 83588
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. -0.000 min
 Lab File: VX048857.D
 Acq: 12 Dec 2025 16:03

Tgt Ion: 114 Resp: 223506
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 39.0
 88 16.6 0.0 31.8

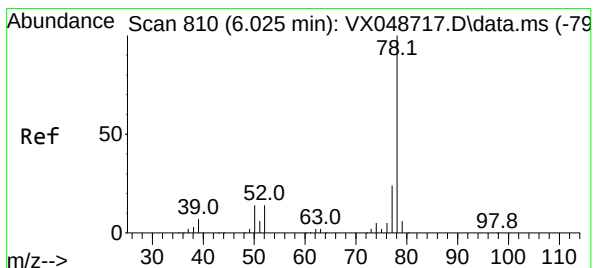
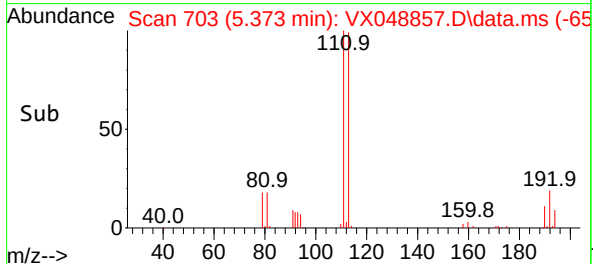
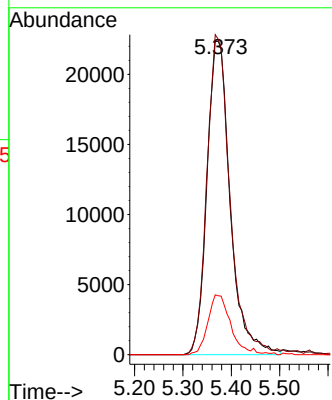
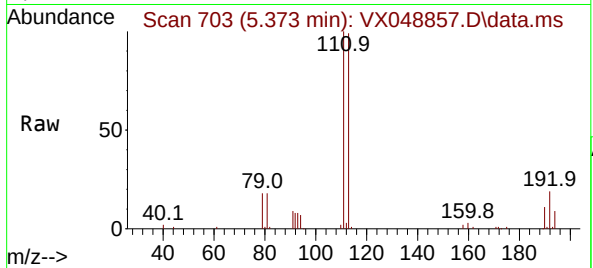




#35
Dibromofluoromethane
Concen: 48.500 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048857.D
Acq: 12 Dec 2025 16:03

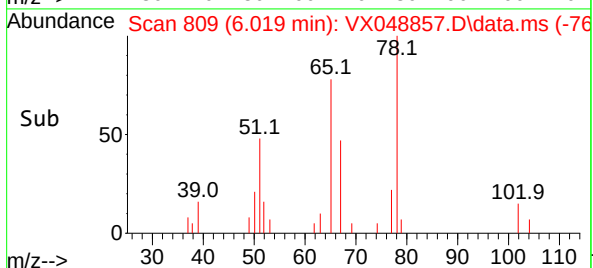
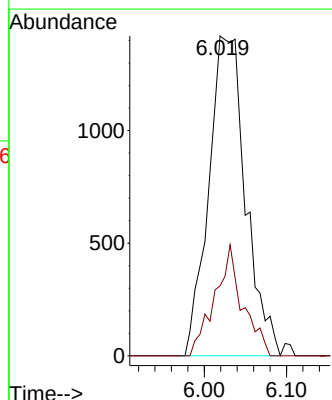
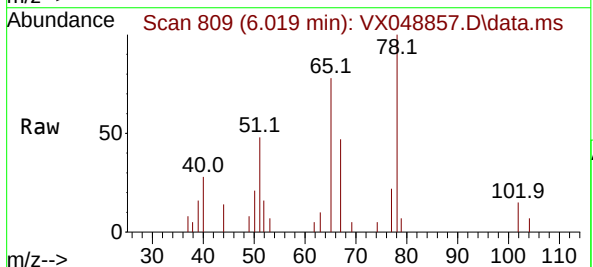
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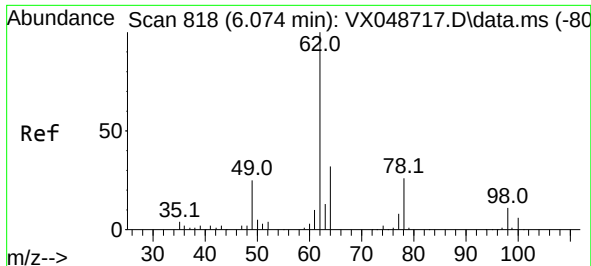
Tgt Ion:113 Resp: 74638
Ion Ratio Lower Upper
113 100
111 101.1 79.5 119.3
192 18.8 16.1 24.1



#40
Benzene
Concen: 0.710 ug/l
RT: 6.019 min Scan# 809
Delta R.T. -0.006 min
Lab File: VX048857.D
Acq: 12 Dec 2025 16:03

Tgt Ion: 78 Resp: 4436
Ion Ratio Lower Upper
78 100
77 21.9 18.8 28.2





#42

1,2-Dichloroethane

Concen: 9.676 ug/l

RT: 6.074 min Scan# 818

Delta R.T. -0.000 min

Lab File: VX048857.D

Acq: 12 Dec 2025 16:03

Instrument :

MSVOA_X

ClientSampleId :

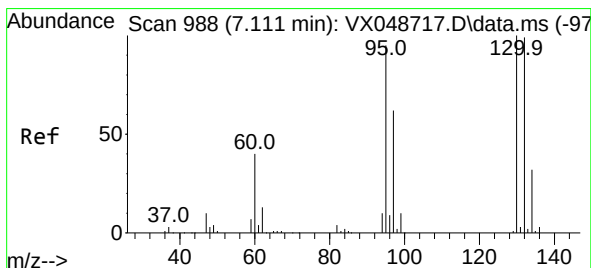
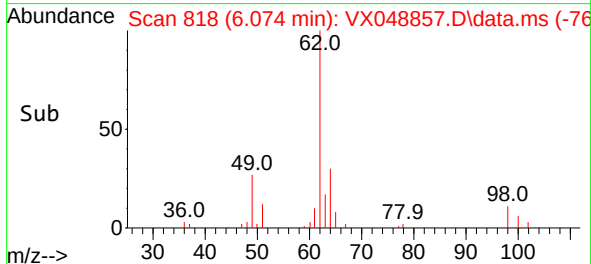
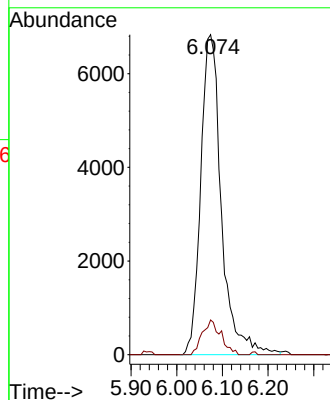
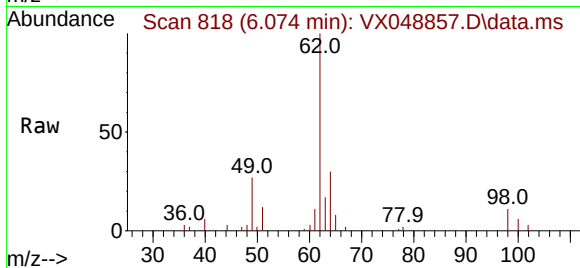
RMW-02B-67-121125

Tgt Ion: 62 Resp: 21399

Ion Ratio Lower Upper

62 100

98 9.8 0.0 20.2



#44

Trichloroethene

Concen: 2706.963 ug/l

RT: 7.116 min Scan# 989

Delta R.T. 0.006 min

Lab File: VX048857.D

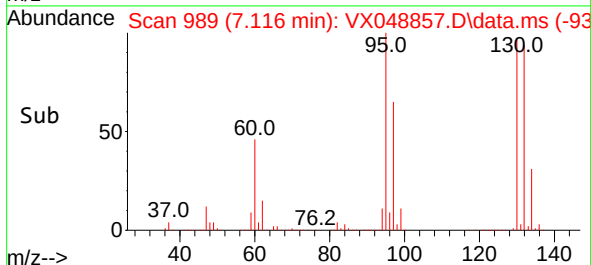
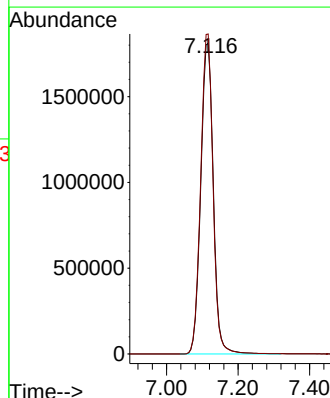
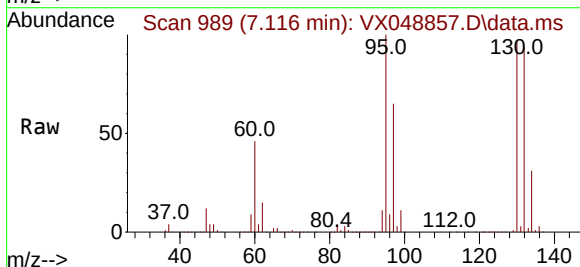
Acq: 12 Dec 2025 16:03

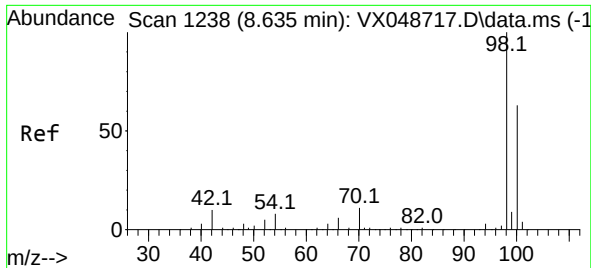
Tgt Ion:130 Resp: 4413361

Ion Ratio Lower Upper

130 100

95 103.0 0.0 189.6

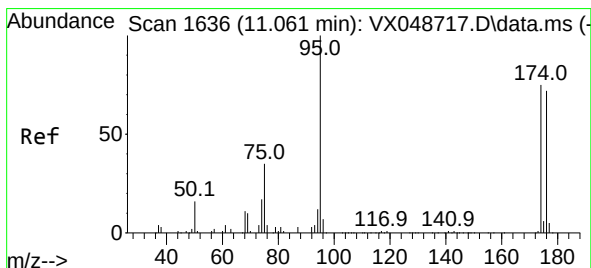
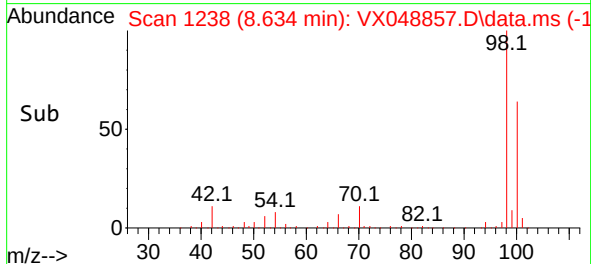
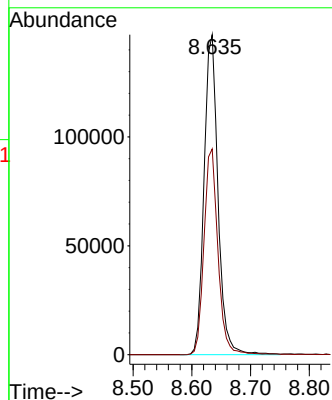
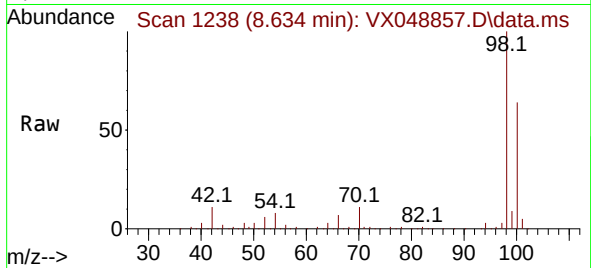




#50
Toluene-d8
Concen: 44.838 ug/l
RT: 8.634 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048857.D
Acq: 12 Dec 2025 16:03

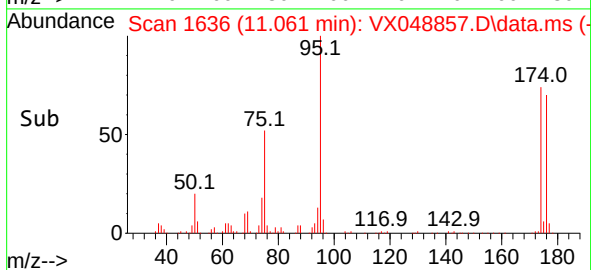
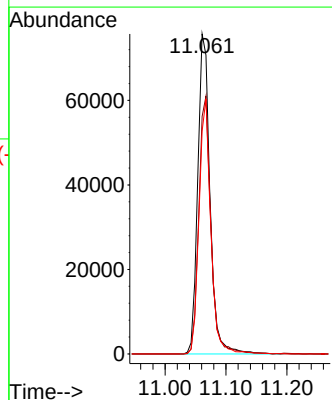
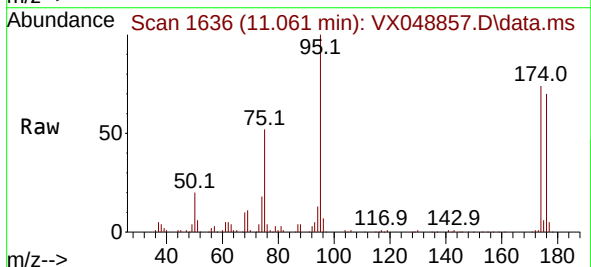
Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-67-121125

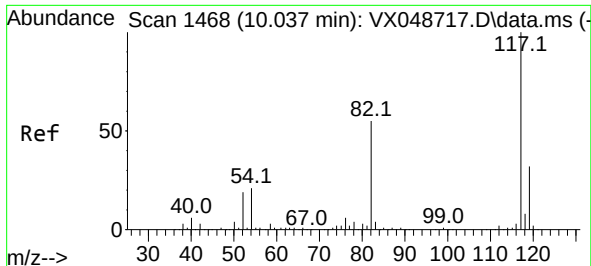
Tgt Ion: 98 Resp: 241877
Ion Ratio Lower Upper
98 100
100 64.6 53.4 80.0



#62
4-Bromofluorobenzene
Concen: 56.782 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048857.D
Acq: 12 Dec 2025 16:03

Tgt Ion: 95 Resp: 105624
Ion Ratio Lower Upper
95 100
174 79.7 0.0 157.8
176 76.8 0.0 154.0

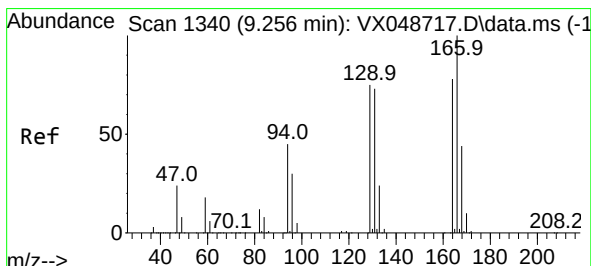
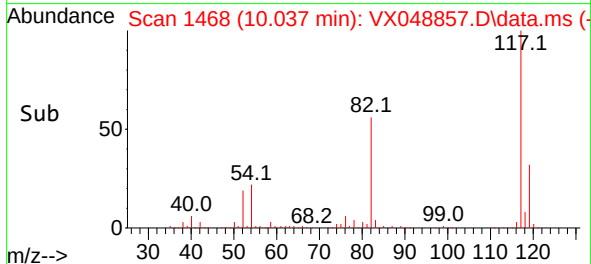
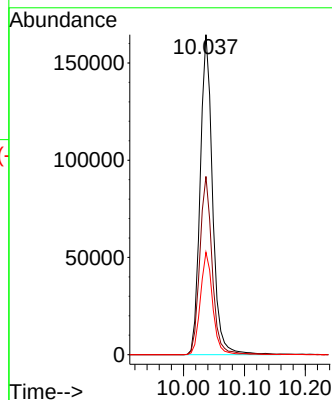
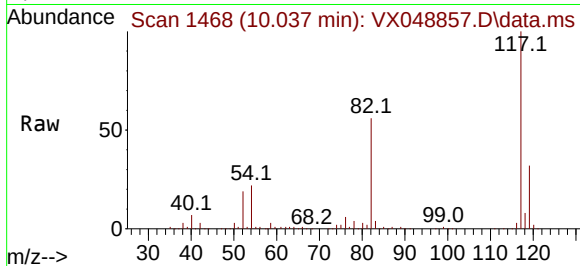




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048857.D
Acq: 12 Dec 2025 16:03

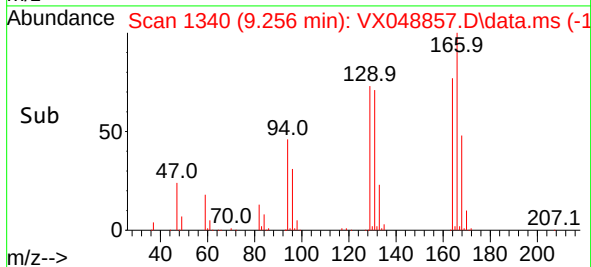
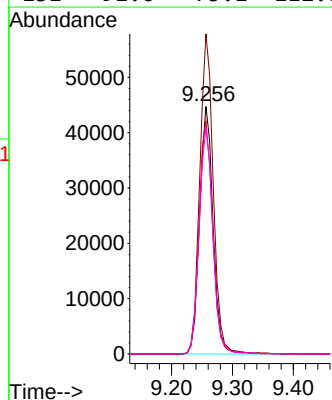
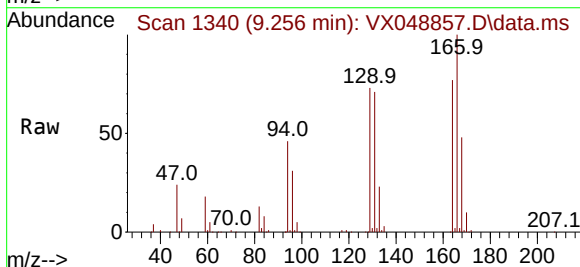
Instrument :
MSVOA_X
ClientSampleId :
RMW-02B-67-121125

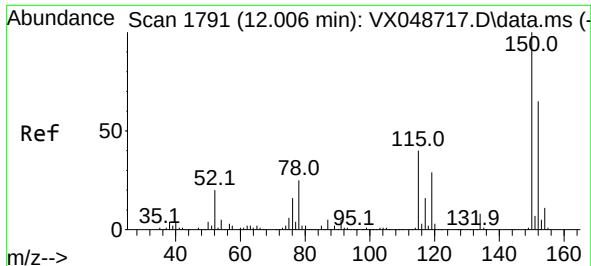
Tgt Ion:117 Resp: 232553
Ion Ratio Lower Upper
117 100
82 55.7 44.1 66.1
119 32.0 25.2 37.8



#64
Tetrachloroethene
Concen: 40.647 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. -0.000 min
Lab File: VX048857.D
Acq: 12 Dec 2025 16:03

Tgt Ion:164 Resp: 68900
Ion Ratio Lower Upper
164 100
166 129.2 103.1 154.7
129 94.0 76.9 115.3
131 91.6 75.1 112.7

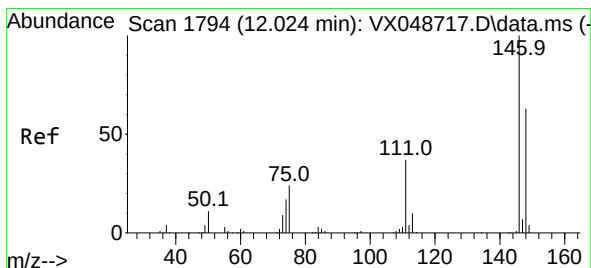
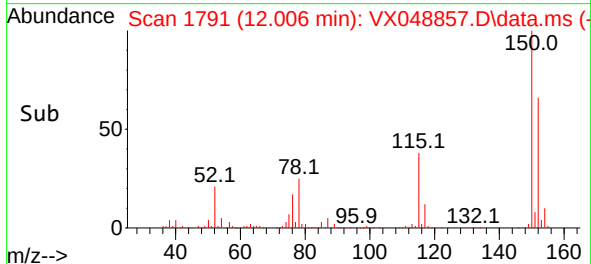
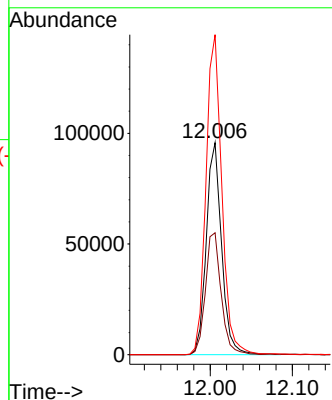
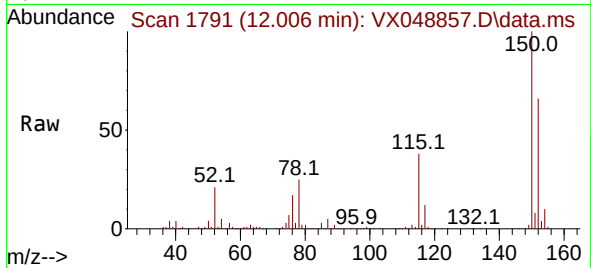




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 1791
 Delta R.T. -0.000 min
 Lab File: VX048857.D
 Acq: 12 Dec 2025 16:03

Instrument :
 MSVOA_X
 ClientSampleId :
 RMW-02B-67-121125

Tgt Ion:152 Resp: 124059
 Ion Ratio Lower Upper
 152 100
 115 59.2 42.1 126.4
 150 156.3 0.0 347.8



#88
 1,4-Dichlorobenzene
 Concen: 0.515 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. -0.000 min
 Lab File: VX048857.D
 Acq: 12 Dec 2025 16:03

Tgt Ion:146 Resp: 2189
 Ion Ratio Lower Upper
 146 100
 111 111.1 19.6 58.7#
 148 85.1 31.6 94.7

