

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121125\
 Data File : VX048836.D
 Acq On : 11 Dec 2025 18:44
 Operator : JC/MD
 Sample : Q3828-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RMW-03B-90-120925

Quant Time: Dec 11 23:55:11 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	172815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.744	114	291968	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	260001	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	125510	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	123876	53.406	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.820%	
35) Dibromofluoromethane	5.379	113	94752	47.133	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.260%	
50) Toluene-d8	8.634	98	340129	48.267	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 96.540%	
62) 4-Bromofluorobenzene	11.061	95	118676	48.839	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 97.680%	

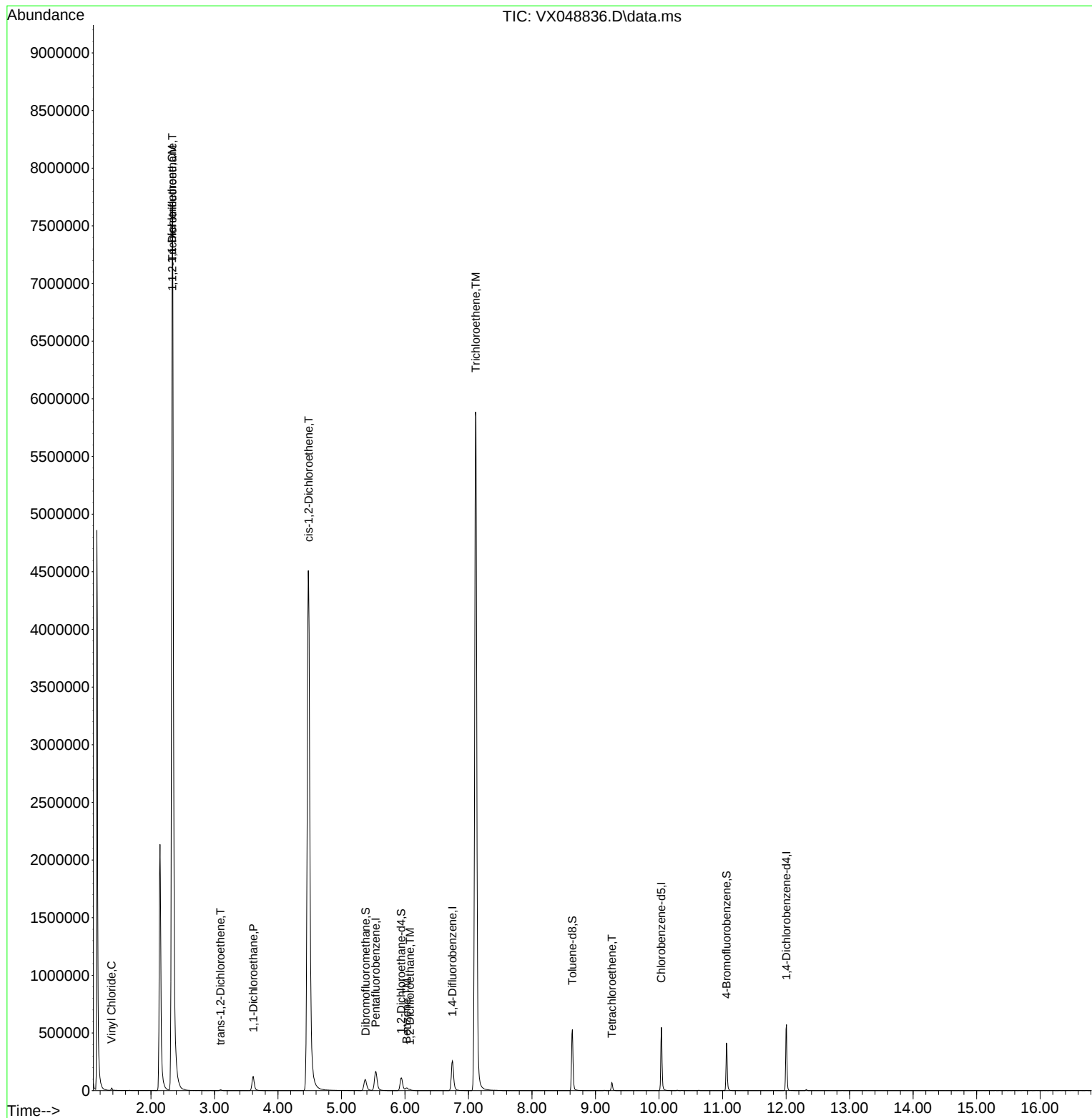
Target Compounds						Qvalue
4) Vinyl Chloride	1.380	62	14515	6.134	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	3543073	1802.023	ug/l	98
12) 1,1-Dichloroethene	2.331	96	21657	10.792	ug/l #	76
21) trans-1,2-Dichloroethene	3.093	96	3411	1.665	ug/l	96
24) 1,1-Dichloroethane	3.611	63	157265	44.788	ug/l	99
27) cis-1,2-Dichloroethene	4.483	96	3224871	1395.335	ug/l	95
40) Benzene	6.025	78	26446	3.240	ug/l	100
42) 1,2-Dichloroethane	6.080	62	8717	3.017	ug/l	100
44) Trichloroethene	7.116	130	2557014	1200.604	ug/l	94
64) Tetrachloroethene	9.256	164	14381	7.588	ug/l	96

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

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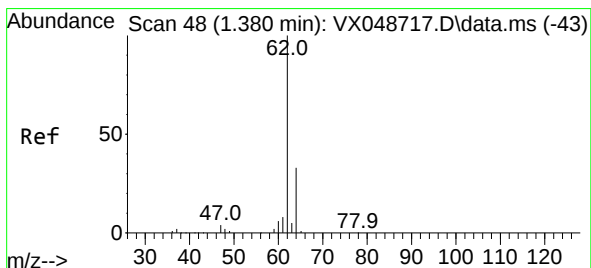
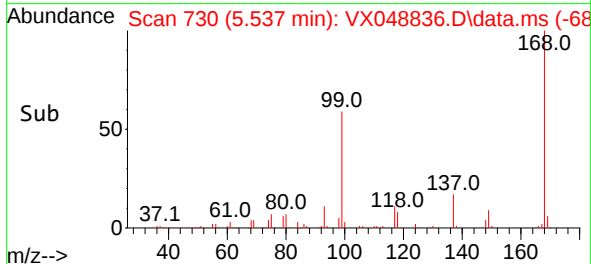
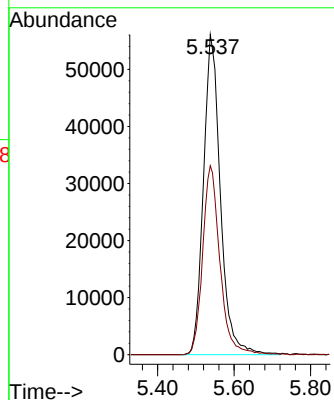
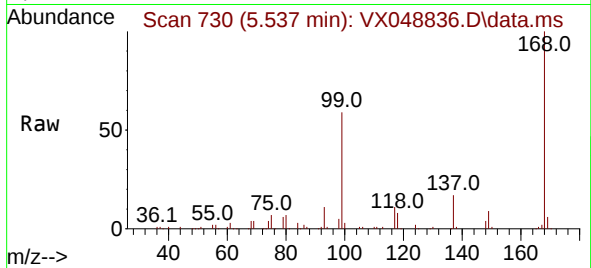




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048836.D
Acq: 11 Dec 2025 18:44

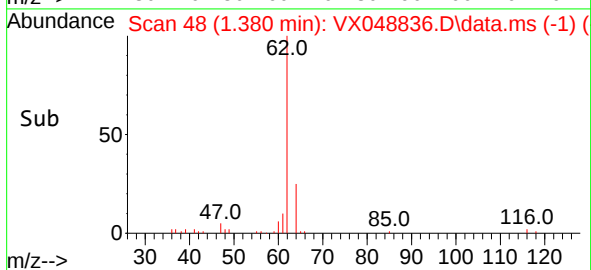
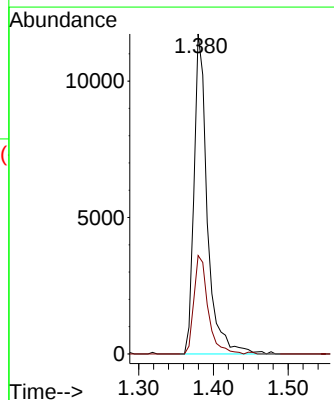
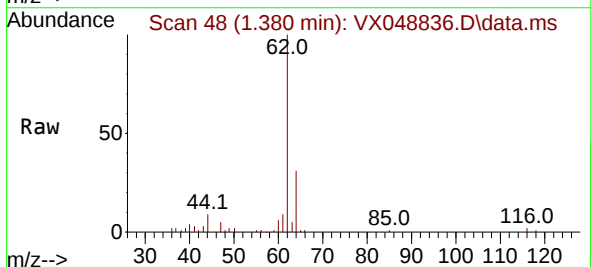
Instrument :
MSVOA_X
ClientSampleId :
RMW-03B-90-120925

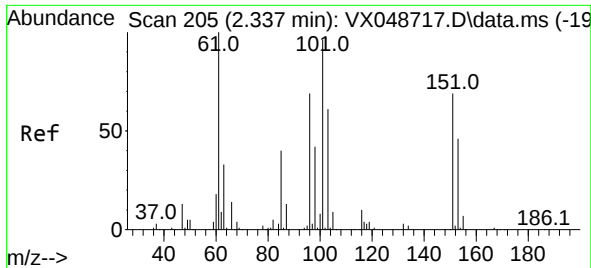
Tgt Ion:168 Resp: 172815
Ion Ratio Lower Upper
168 100
99 59.0 44.2 66.4



#4
Vinyl Chloride
Concen: 6.134 ug/l
RT: 1.380 min Scan# 48
Delta R.T. -0.000 min
Lab File: VX048836.D
Acq: 11 Dec 2025 18:44

Tgt Ion: 62 Resp: 14515
Ion Ratio Lower Upper
62 100
64 30.8 26.0 39.0

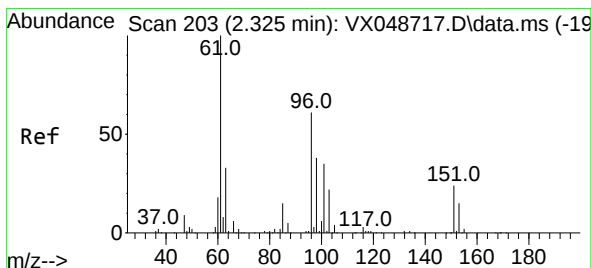
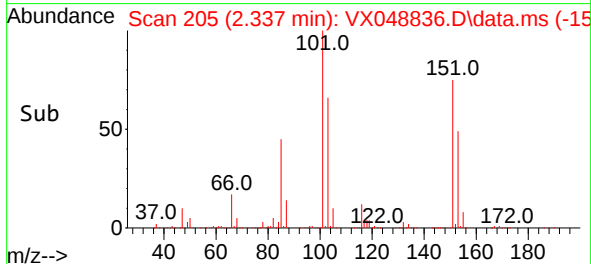
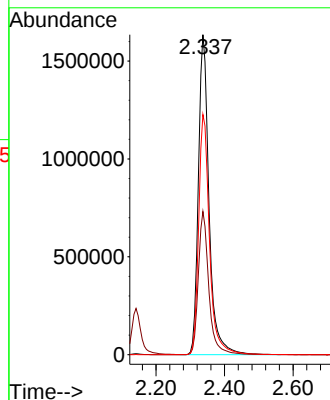
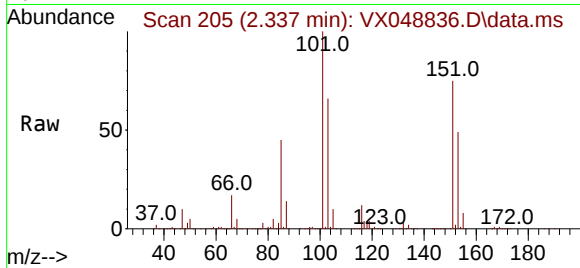




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1802.023 ug/l
 RT: 2.337 min Scan# 205
 Delta R.T. -0.000 min
 Lab File: VX048836.D
 Acq: 11 Dec 2025 18:44

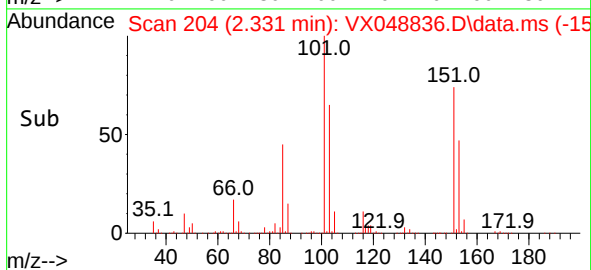
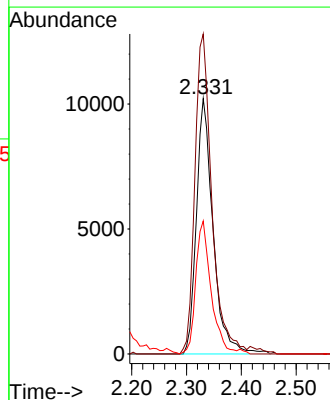
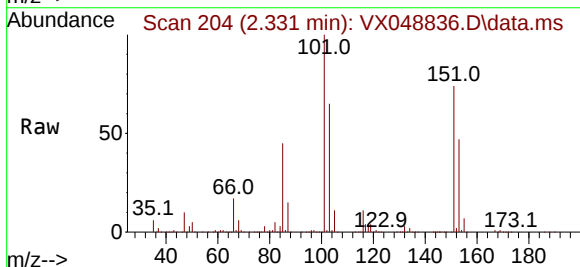
Instrument :
 MSVOA_X
 ClientSampleId :
 RMW-03B-90-120925

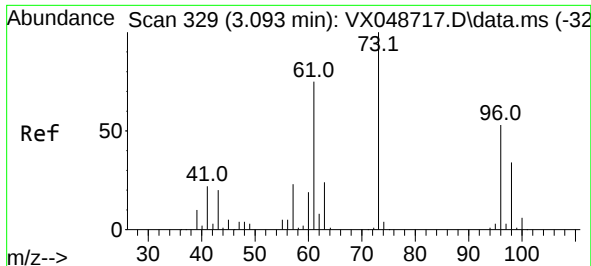
Tgt Ion:101 Resp: 3543073
 Ion Ratio Lower Upper
 101 100
 85 44.2 34.2 51.2
 151 76.7 60.2 90.4



#12
 1,1-Dichloroethene
 Concen: 10.792 ug/l
 RT: 2.331 min Scan# 204
 Delta R.T. 0.006 min
 Lab File: VX048836.D
 Acq: 11 Dec 2025 18:44

Tgt Ion: 96 Resp: 21657
 Ion Ratio Lower Upper
 96 100
 61 125.3 130.7 196.1#
 98 52.1 49.8 74.8

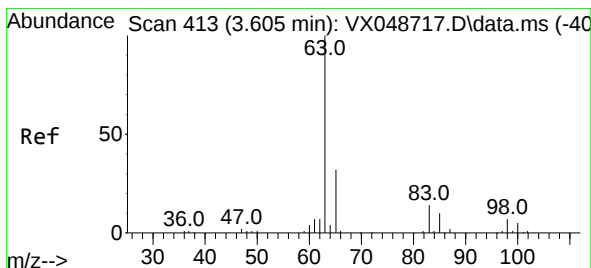
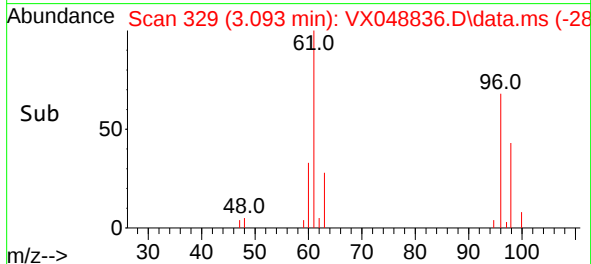
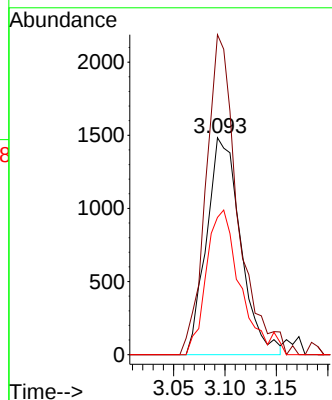
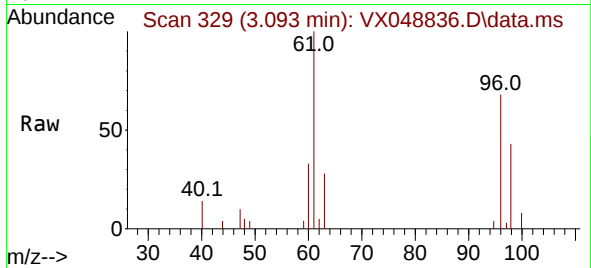




#21
trans-1,2-Dichloroethene
Concen: 1.665 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX048836.D
Acq: 11 Dec 2025 18:44

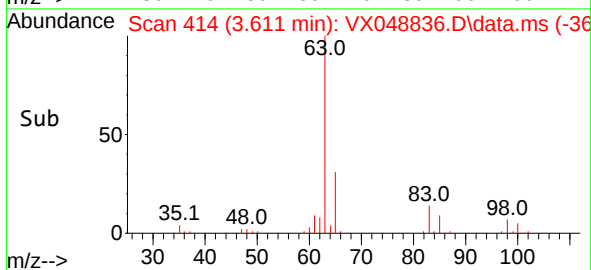
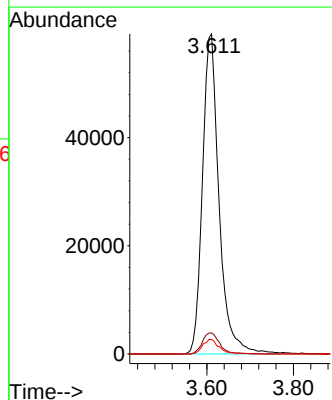
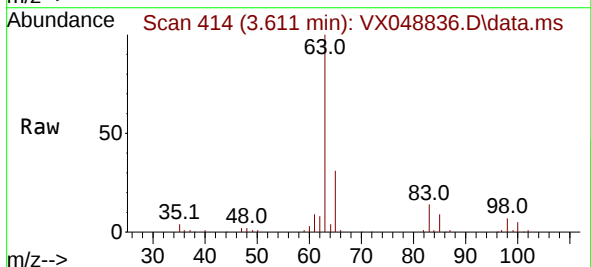
Instrument :
MSVOA_X
ClientSampleId :
RMW-03B-90-120925

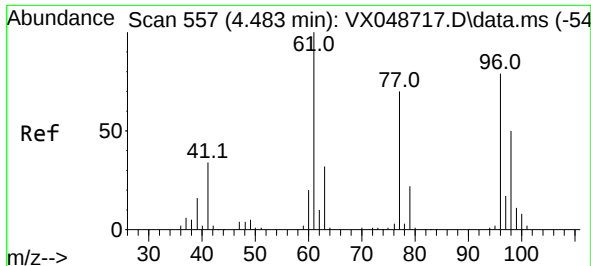
Tgt Ion: 96 Resp: 3411
Ion Ratio Lower Upper
96 100
61 147.5 112.8 169.2
98 63.3 51.0 76.4



#24
1,1-Dichloroethane
Concen: 44.788 ug/l
RT: 3.611 min Scan# 414
Delta R.T. 0.006 min
Lab File: VX048836.D
Acq: 11 Dec 2025 18:44

Tgt Ion: 63 Resp: 157265
Ion Ratio Lower Upper
63 100
98 6.6 3.5 10.6
100 4.6 2.5 7.4





#27

cis-1,2-Dichloroethene

Concen: 1395.335 ug/l

RT: 4.483 min Scan# 557

Delta R.T. -0.000 min

Lab File: VX048836.D

Acq: 11 Dec 2025 18:44

Instrument :

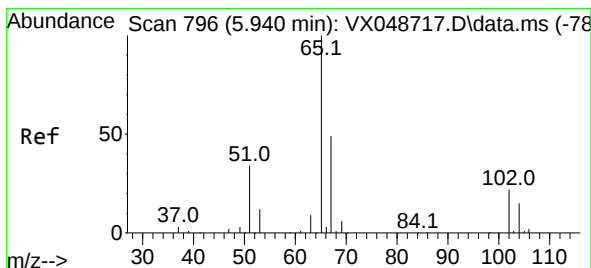
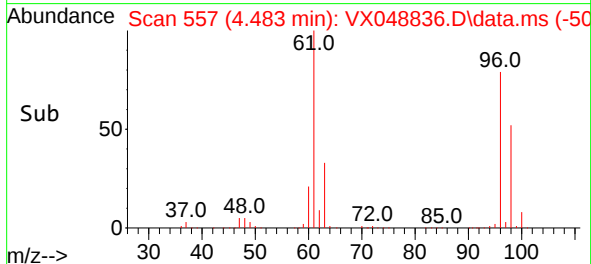
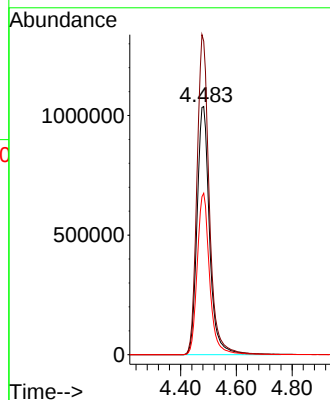
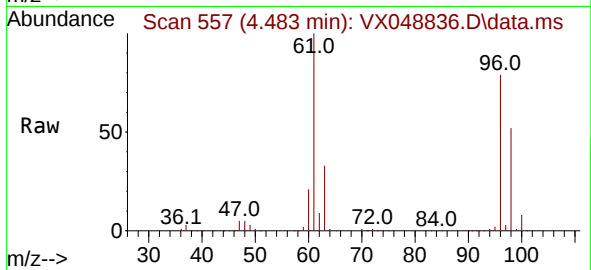
MSVOA_X

ClientSampleId :

RMW-03B-90-120925

Tgt Ion: 96 Resp: 3224871

Ion	Ratio	Lower	Upper
96	100		
61	126.7	0.0	271.0
98	64.5	0.0	130.2



#33

1,2-Dichloroethane-d4

Concen: 53.406 ug/l

RT: 5.940 min Scan# 796

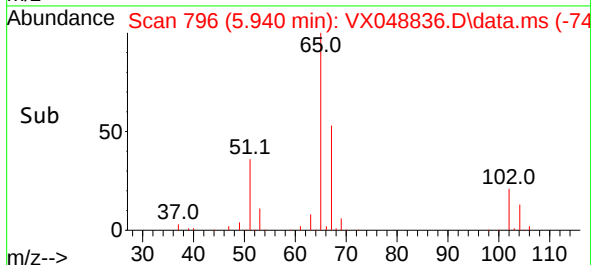
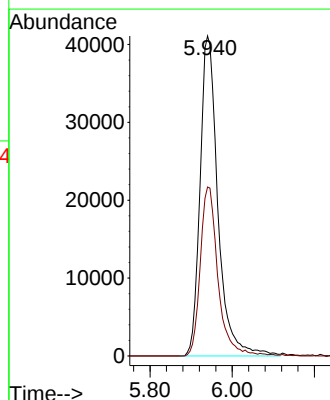
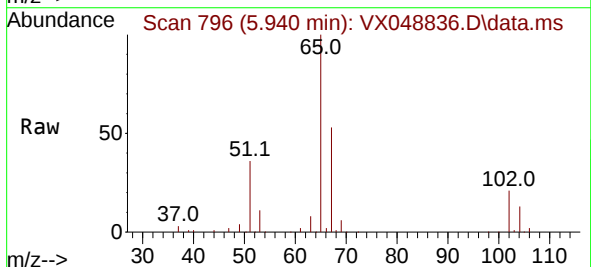
Delta R.T. -0.000 min

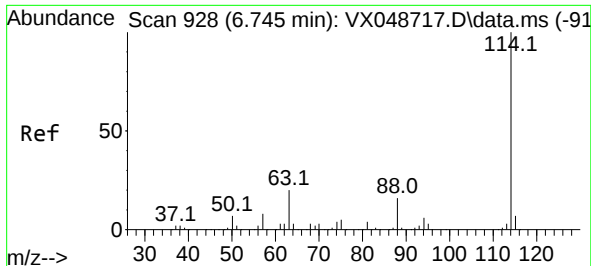
Lab File: VX048836.D

Acq: 11 Dec 2025 18:44

Tgt Ion: 65 Resp: 123876

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	107.4

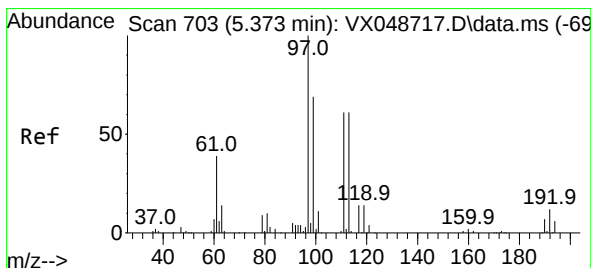
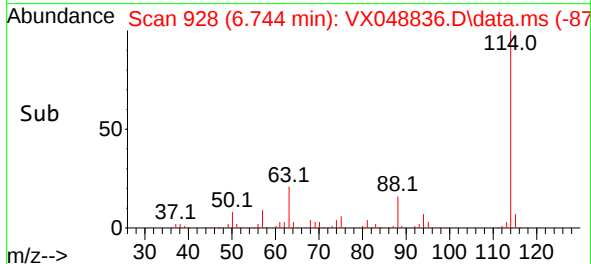
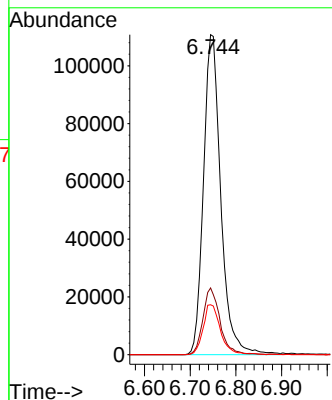
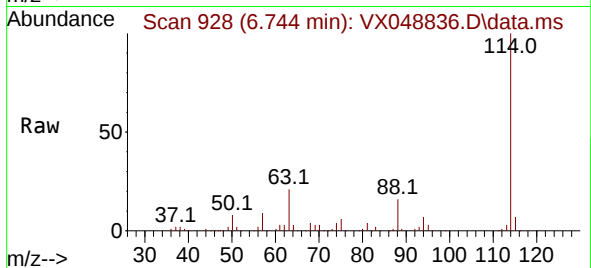




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.744 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048836.D
Acq: 11 Dec 2025 18:44

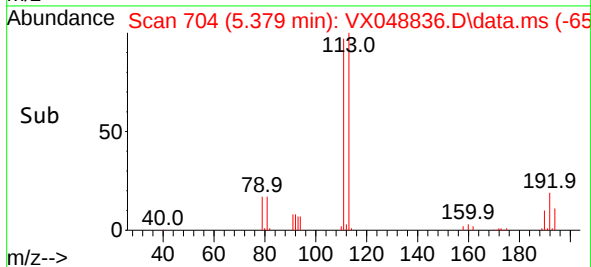
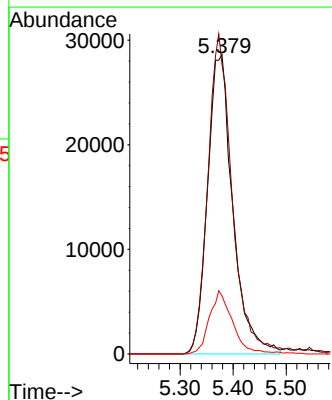
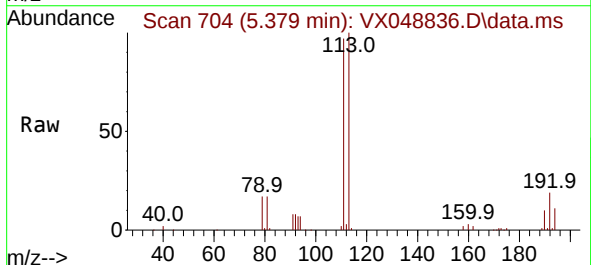
Instrument :
MSVOA_X
ClientSampleId :
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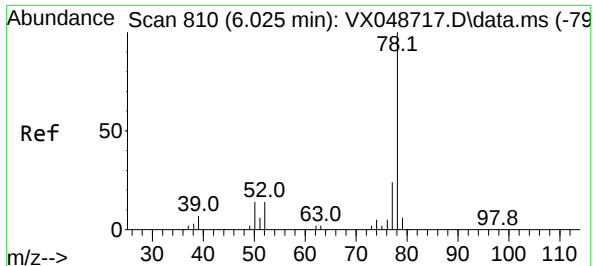
Tgt Ion:114 Resp: 291968
Ion Ratio Lower Upper
114 100
63 20.8 0.0 39.0
88 15.6 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.133 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048836.D
Acq: 11 Dec 2025 18:44

Tgt Ion:113 Resp: 94752
Ion Ratio Lower Upper
113 100
111 103.9 79.5 119.3
192 19.4 16.1 24.1

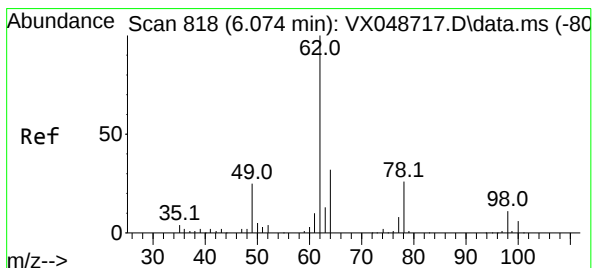
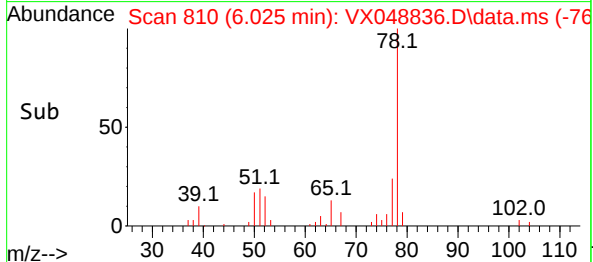
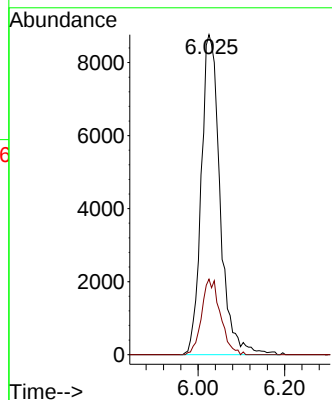
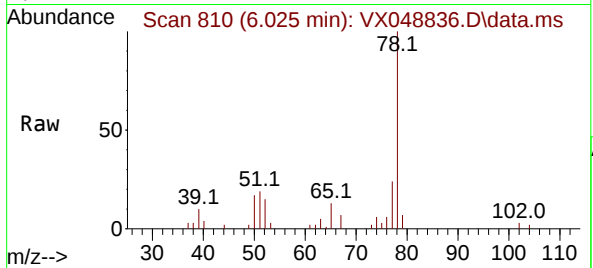




#40
Benzene
Concen: 3.240 ug/l
RT: 6.025 min Scan# 810
Delta R.T. -0.000 min
Lab File: VX048836.D
Acq: 11 Dec 2025 18:44

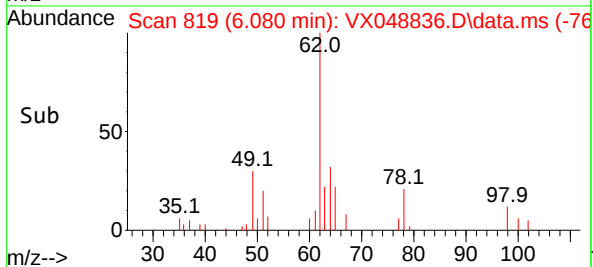
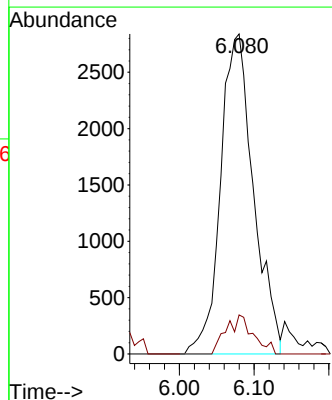
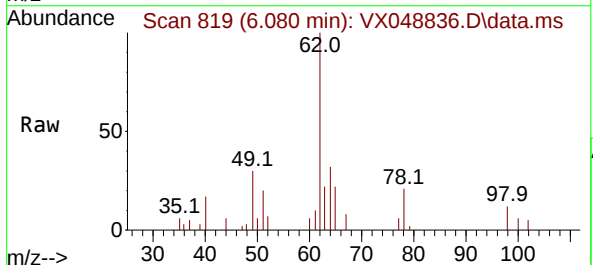
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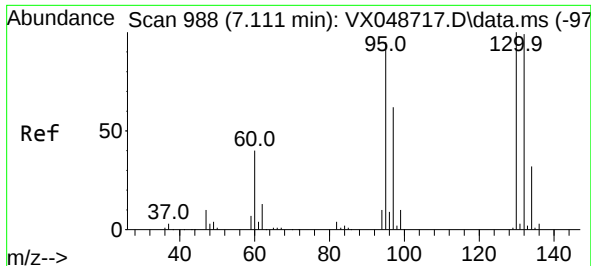
Tgt Ion: 78 Resp: 26446
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2



#42
1,2-Dichloroethane
Concen: 3.017 ug/l
RT: 6.080 min Scan# 819
Delta R.T. 0.006 min
Lab File: VX048836.D
Acq: 11 Dec 2025 18:44

Tgt Ion: 62 Resp: 8717
Ion Ratio Lower Upper
62 100
98 9.9 0.0 20.2

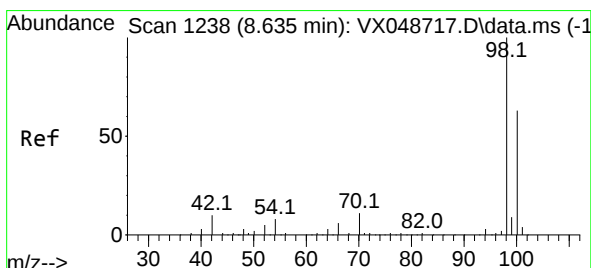
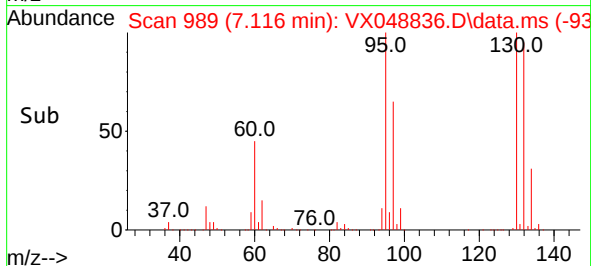
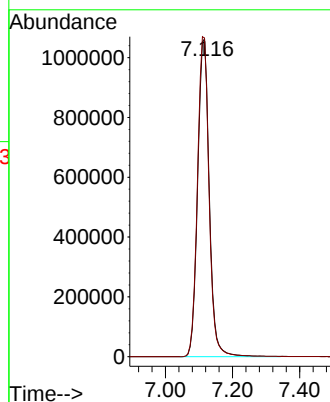
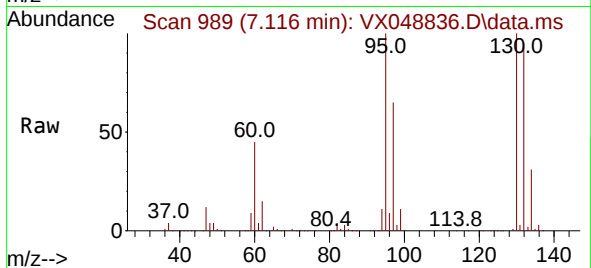




#44
Trichloroethene
Concen: 1200.604 ug/l
RT: 7.116 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048836.D
Acq: 11 Dec 2025 18:44

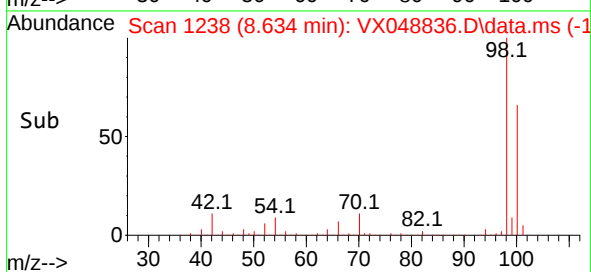
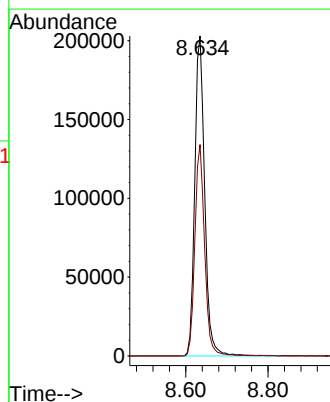
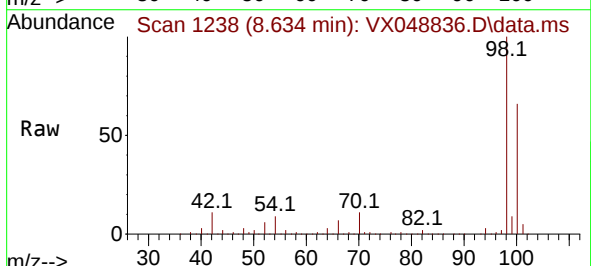
Instrument :
MSVOA_X
ClientSampleId :
RMW-03B-90-120925

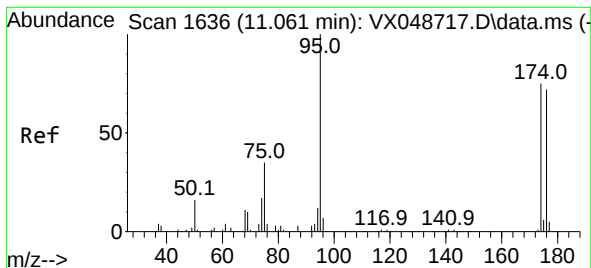
Tgt Ion:130 Resp: 2557014
Ion Ratio Lower Upper
130 100
95 100.2 0.0 189.6



#50
Toluene-d8
Concen: 48.267 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048836.D
Acq: 11 Dec 2025 18:44

Tgt Ion: 98 Resp: 340129
Ion Ratio Lower Upper
98 100
100 65.2 53.4 80.0

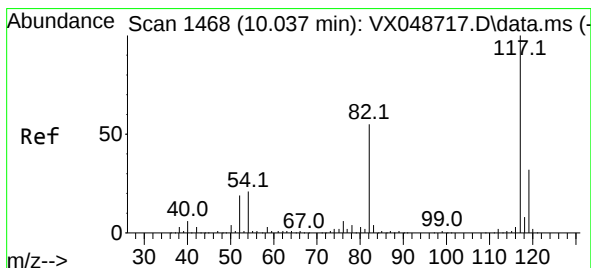
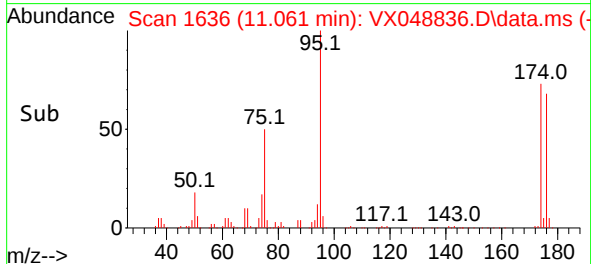
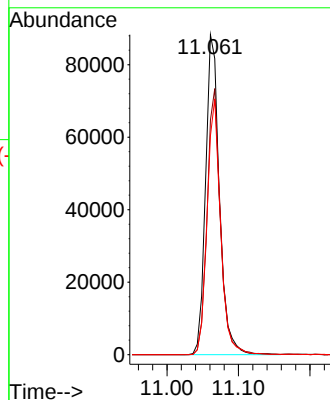
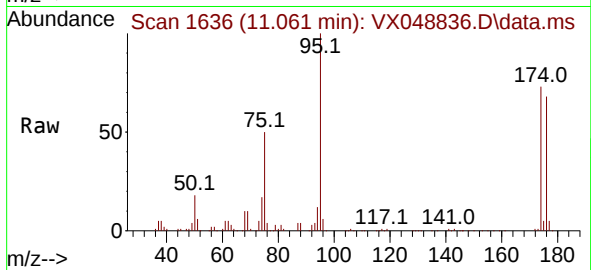




#62
4-Bromofluorobenzene
Concen: 48.839 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048836.D
Acq: 11 Dec 2025 18:44

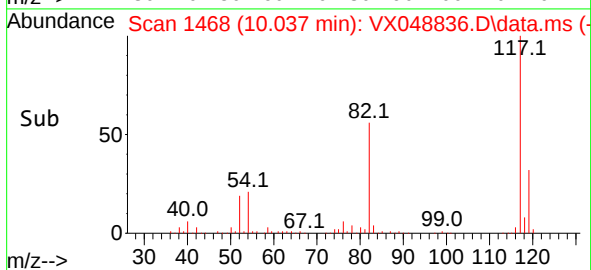
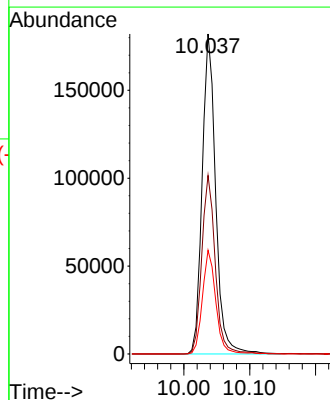
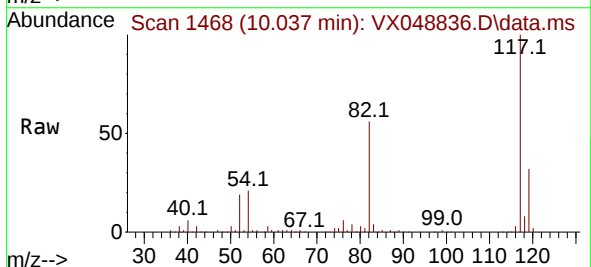
Instrument :
MSVOA_X
ClientSampleId :
RMW-03B-90-120925

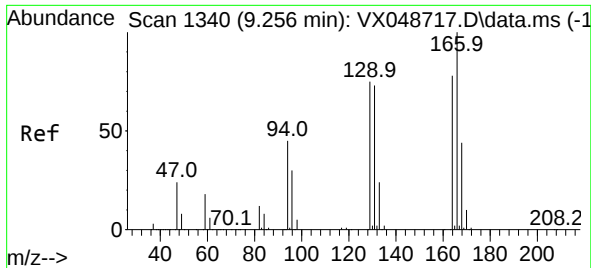
Tgt Ion: 95 Resp: 118676
Ion Ratio Lower Upper
95 100
174 81.2 0.0 157.8
176 78.2 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048836.D
Acq: 11 Dec 2025 18:44

Tgt Ion: 117 Resp: 260001
Ion Ratio Lower Upper
117 100
82 55.8 44.1 66.1
119 32.4 25.2 37.8

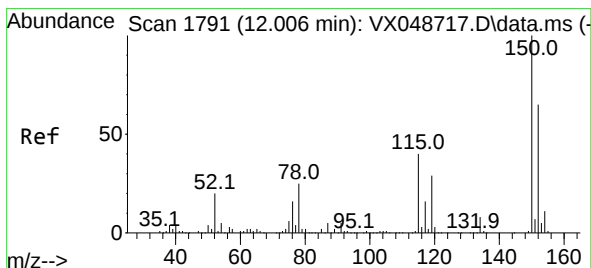
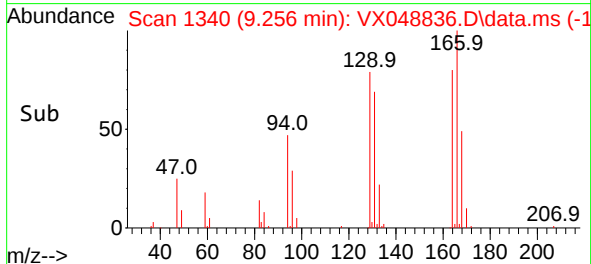
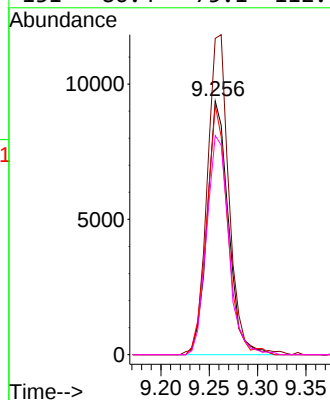
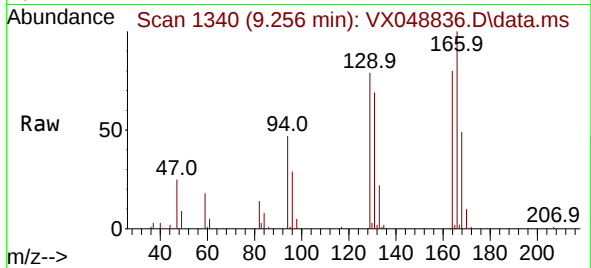




#64
Tetrachloroethene
Concen: 7.588 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048836.D
Acq: 11 Dec 2025 18:44

Instrument :
MSVOA_X
ClientSampleId :
RMW-03B-90-120925

Tgt Ion:164	Resp:	14381
Ion	Ratio	Lower Upper
164	100	
166	124.7	103.1 154.7
129	98.4	76.9 115.3
131	86.4	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: VX048836.D
Acq: 11 Dec 2025 18:44

Tgt Ion:152	Resp:	125510
Ion	Ratio	Lower Upper
152	100	
115	58.8	42.1 126.4
150	158.7	0.0 347.8

