

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121625\
 Data File : VX048906.D
 Acq On : 16 Dec 2025 22:18
 Operator : JC/MD
 Sample : Q3849-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OW-07B-65-121125

Quant Time: Dec 17 03:31:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X121625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 17 03:22:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

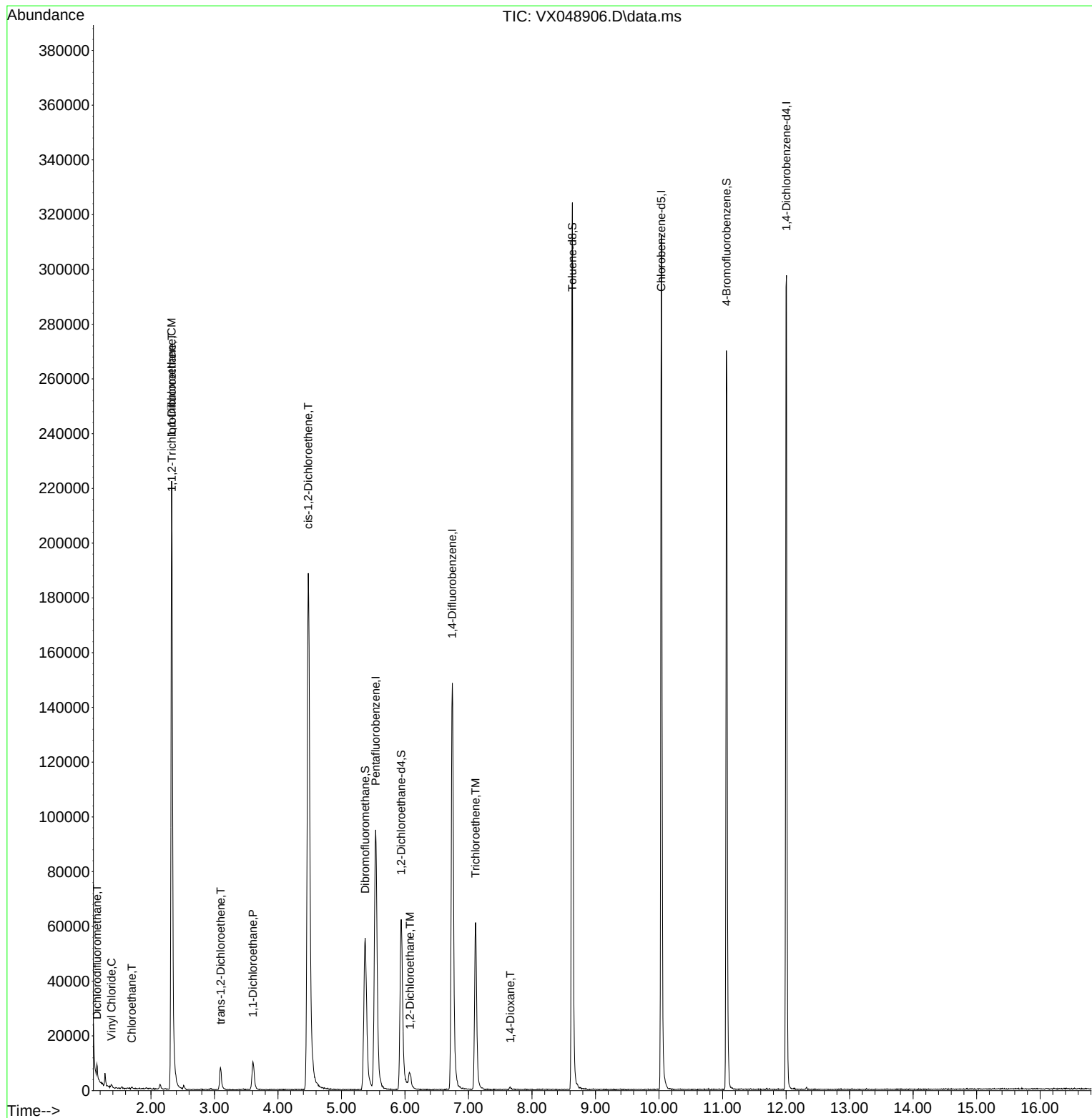
Internal Standards						
1) Pentafluorobenzene	5.538	168	96028	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	160224	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	143922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	63676	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	67995	42.361	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	84.720%
35) Dibromofluoromethane	5.373	113	53996	45.340	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.680%
50) Toluene-d8	8.635	98	201889	47.484	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.960%
62) 4-Bromofluorobenzene	11.061	95	73966	48.456	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	96.920%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.148	85	460	0.416	ug/l	96
4) Vinyl Chloride	1.380	62	555	0.442	ug/l #	73
6) Chloroethane	1.697	64	466	0.610	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.331	101	453	0.444	ug/l #	83
12) 1,1-Dichloroethene	2.325	96	81536	81.296	ug/l	88
21) trans-1,2-Dichloroethene	3.099	96	3829	3.398	ug/l	97
24) 1,1-Dichloroethane	3.605	63	13134	5.437	ug/l	99
27) cis-1,2-Dichloroethene	4.477	96	130354	90.360	ug/l	99
42) 1,2-Dichloroethane	6.080	62	7606	4.142	ug/l	85
44) Trichloroethene	7.110	130	26192	21.200	ug/l	100
49) 1,4-Dioxane	7.659	88	589	55.819	ug/l #	90

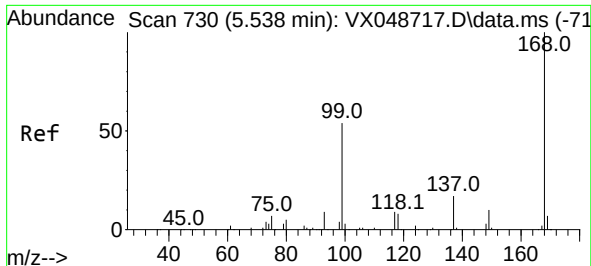
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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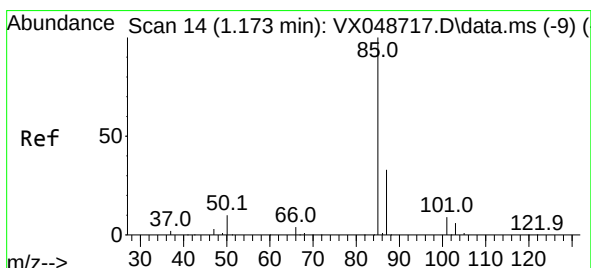
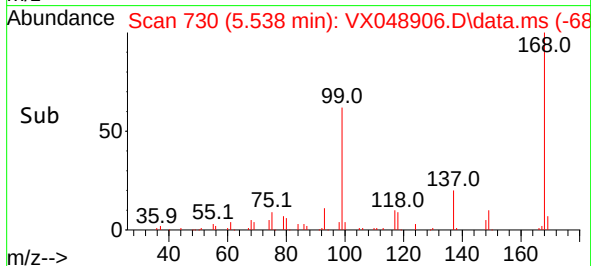
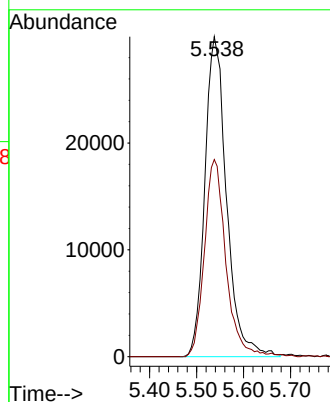
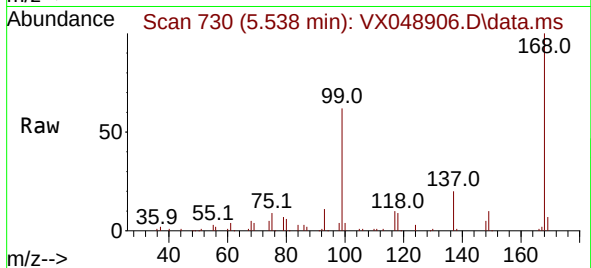




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048906.D
Acq: 16 Dec 2025 22:18

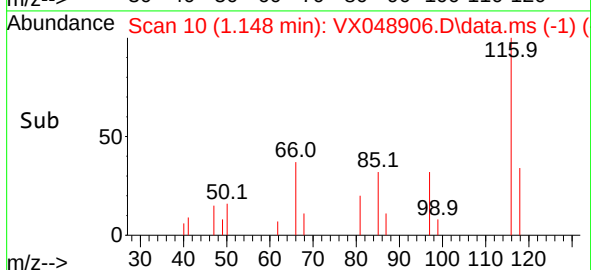
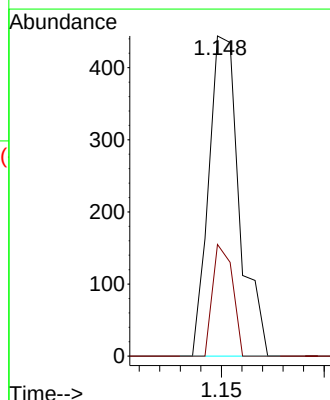
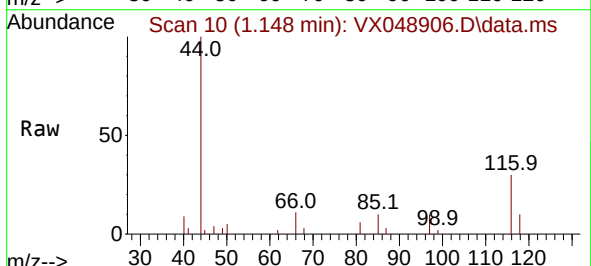
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-121125

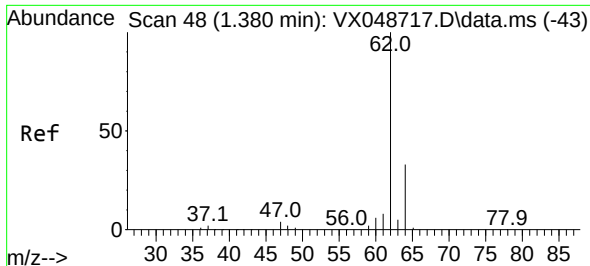
Tgt Ion:168 Resp: 96028
Ion Ratio Lower Upper
168 100
99 61.6 44.2 66.4



#2
Dichlorodifluoromethane
Concen: 0.416 ug/l
RT: 1.148 min Scan# 10
Delta R.T. -0.024 min
Lab File: VX048906.D
Acq: 16 Dec 2025 22:18

Tgt Ion: 85 Resp: 460
Ion Ratio Lower Upper
85 100
87 34.9 16.4 49.1

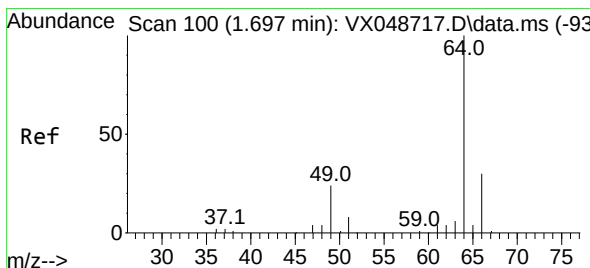
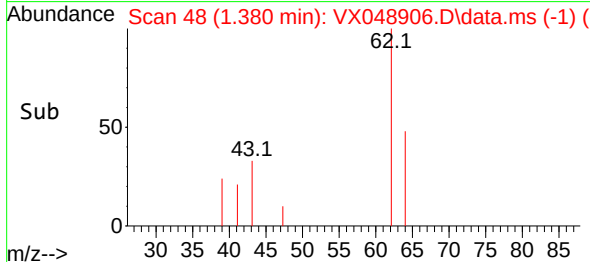
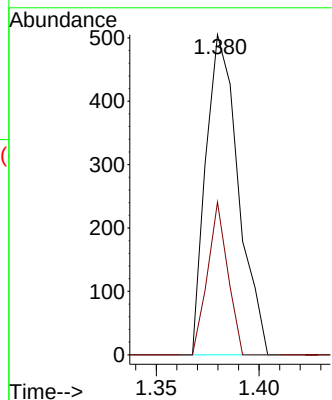
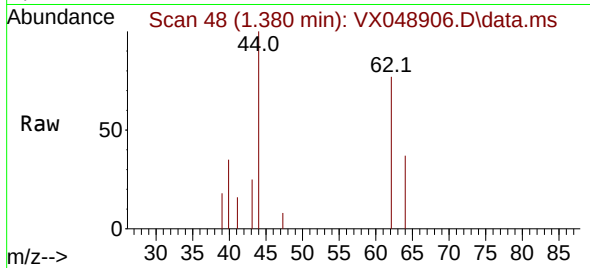




#4
 Vinyl Chloride
 Concen: 0.442 ug/l
 RT: 1.380 min Scan# 41
 Delta R.T. -0.000 min
 Lab File: VX048906.D
 Acq: 16 Dec 2025 22:18

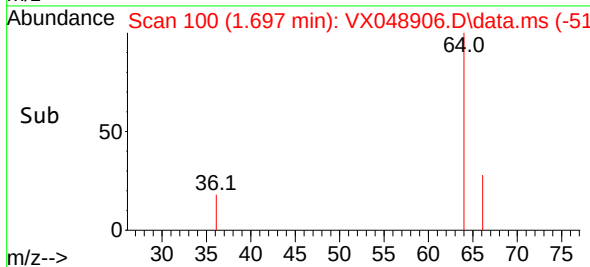
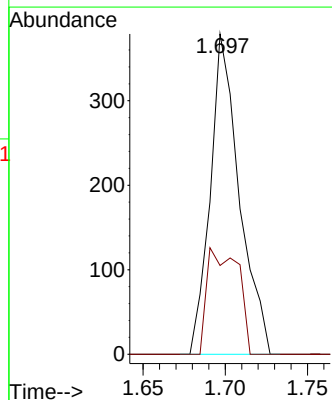
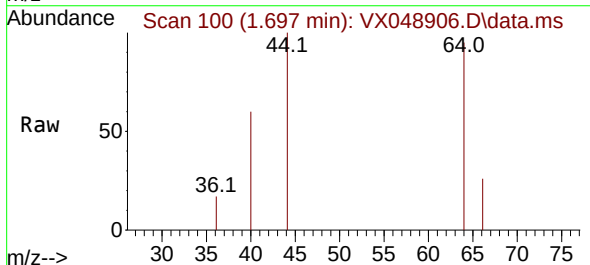
Instrument :
 MSVOA_X
 ClientSampleId :
 OW-07B-65-121125

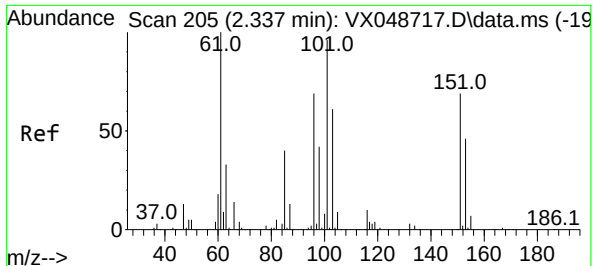
Tgt Ion: 62 Resp: 555
 Ion Ratio Lower Upper
 62 100
 64 47.7 26.0 39.0#



#6
 Chloroethane
 Concen: 0.610 ug/l
 RT: 1.697 min Scan# 100
 Delta R.T. -0.000 min
 Lab File: VX048906.D
 Acq: 16 Dec 2025 22:18

Tgt Ion: 64 Resp: 466
 Ion Ratio Lower Upper
 64 100
 66 27.7 24.0 36.0

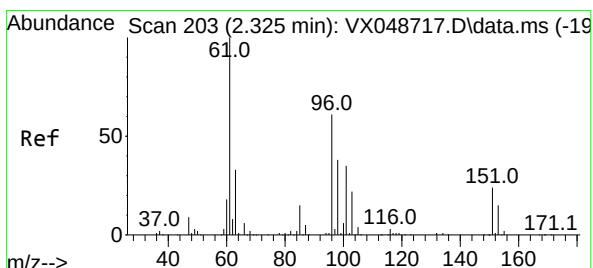
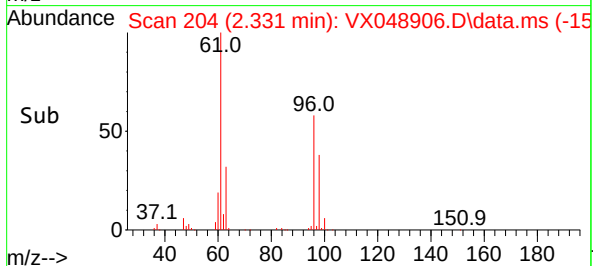
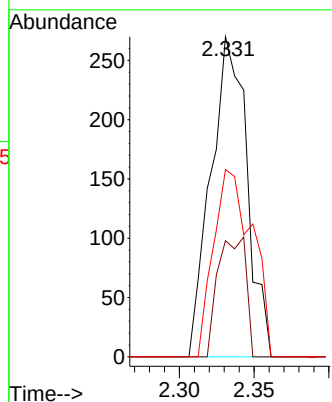
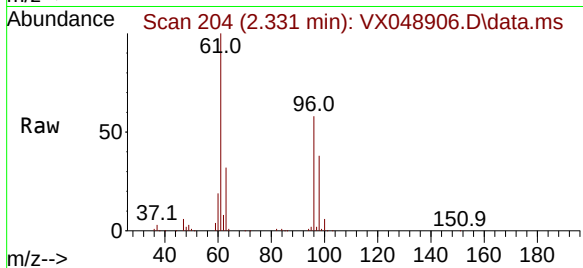




#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.444 ug/l
RT: 2.331 min Scan# 20
Delta R.T. -0.006 min
Lab File: VX048906.D
Acq: 16 Dec 2025 22:18

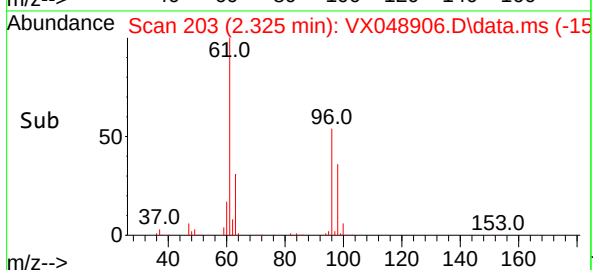
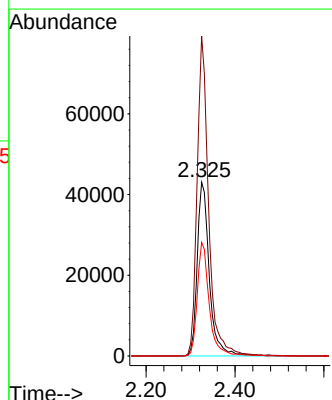
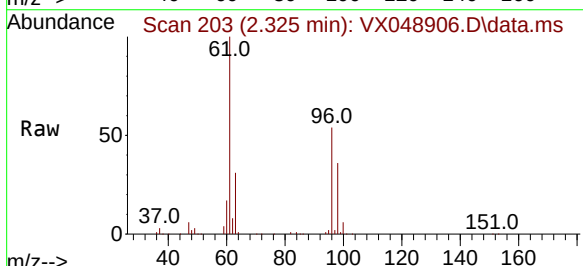
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-121125

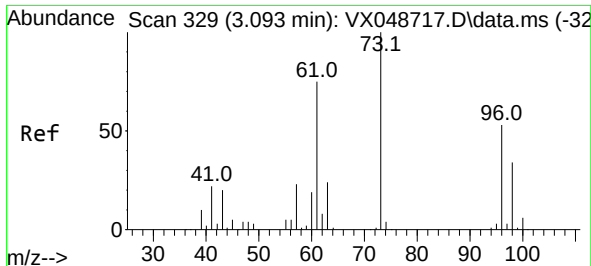
Tgt Ion:101 Resp: 453
Ion Ratio Lower Upper
101 100
85 28.9 34.2 51.2#
151 62.9 60.2 90.4



#12
1,1-Dichloroethene
Concen: 81.296 ug/l
RT: 2.325 min Scan# 203
Delta R.T. -0.000 min
Lab File: VX048906.D
Acq: 16 Dec 2025 22:18

Tgt Ion: 96 Resp: 81536
Ion Ratio Lower Upper
96 100
61 184.1 130.7 196.1
98 65.4 49.8 74.8

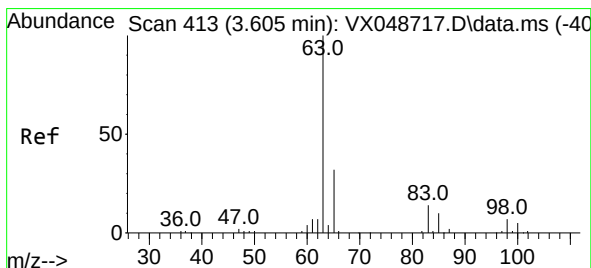
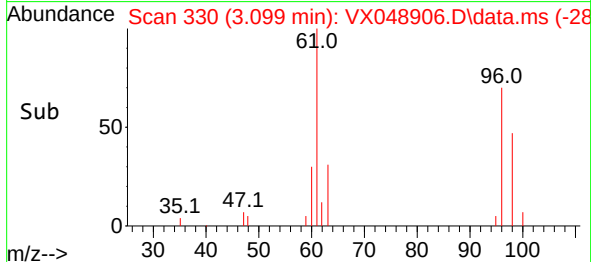
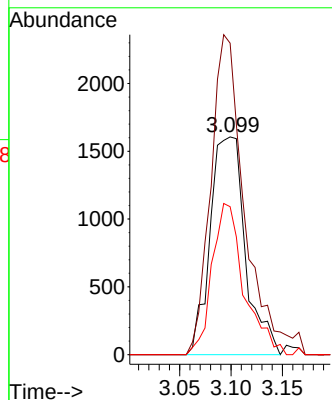
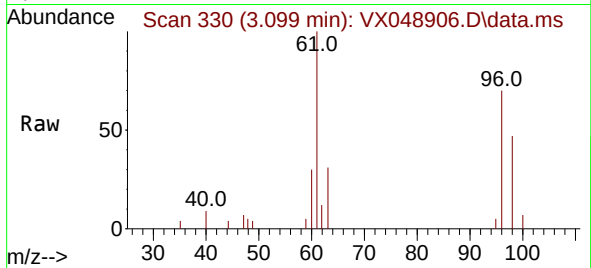




#21
trans-1,2-Dichloroethene
Concen: 3.398 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX048906.D
Acq: 16 Dec 2025 22:18

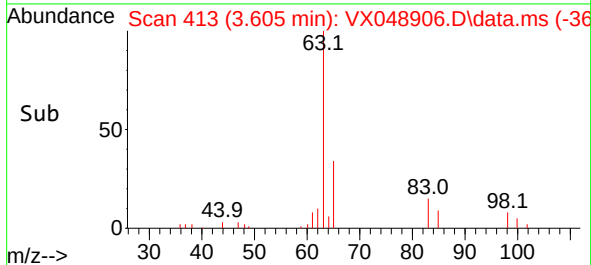
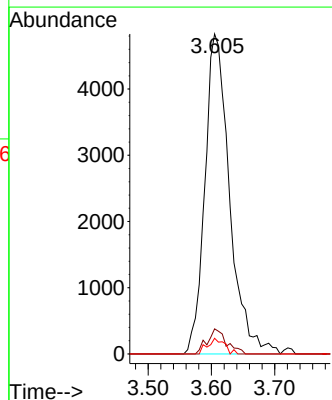
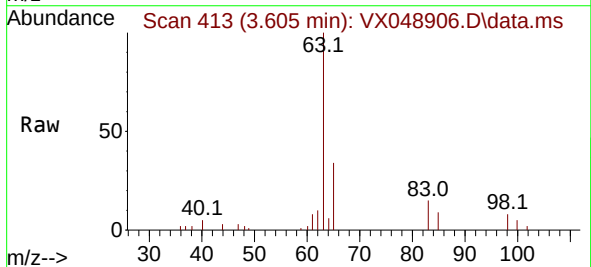
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-121125

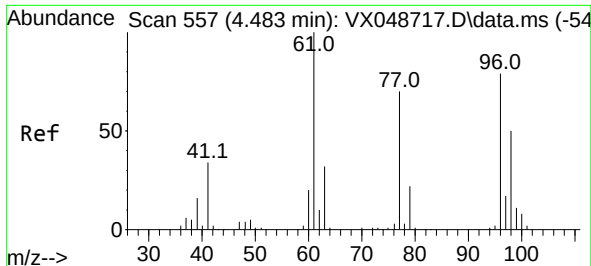
Tgt Ion: 96 Resp: 3829
Ion Ratio Lower Upper
96 100
61 143.1 112.8 169.2
98 67.9 51.0 76.4



#24
1,1-Dichloroethane
Concen: 5.437 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048906.D
Acq: 16 Dec 2025 22:18

Tgt Ion: 63 Resp: 13134
Ion Ratio Lower Upper
63 100
98 7.8 3.5 10.6
100 4.9 2.5 7.4



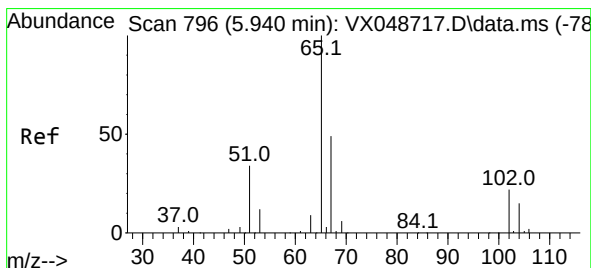
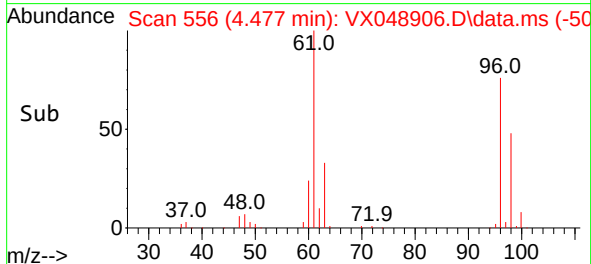
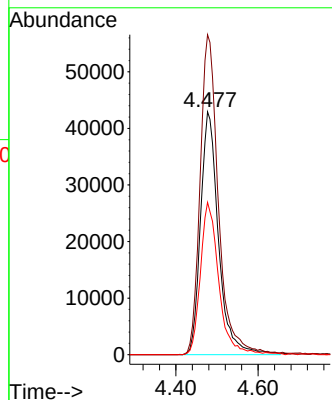
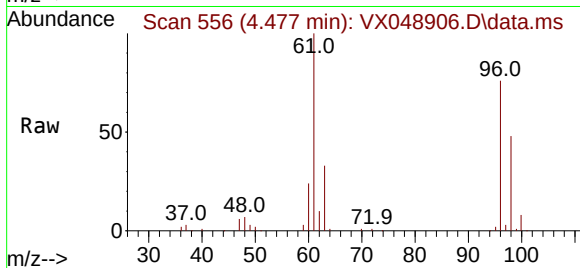


#27
 cis-1,2-Dichloroethene
 Concen: 90.360 ug/l
 RT: 4.477 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX048906.D
 Acq: 16 Dec 2025 22:18

Instrument :
 MSVOA_X
 ClientSampleId :
 OW-07B-65-121125

Tgt Ion: 96 Resp: 130354

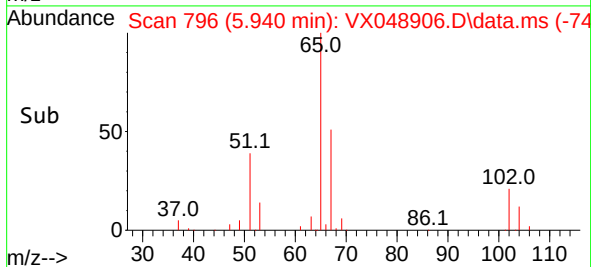
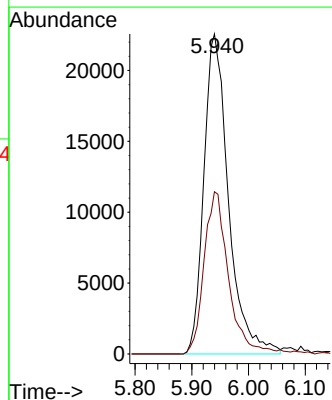
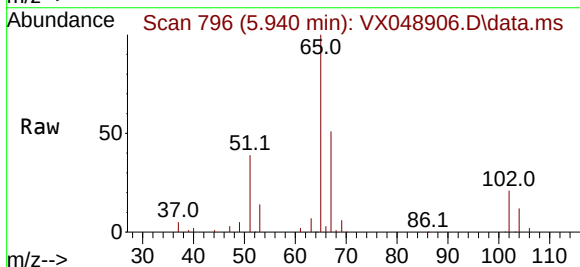
Ion	Ratio	Lower	Upper
96	100		
61	134.1	0.0	271.0
98	63.4	0.0	130.2

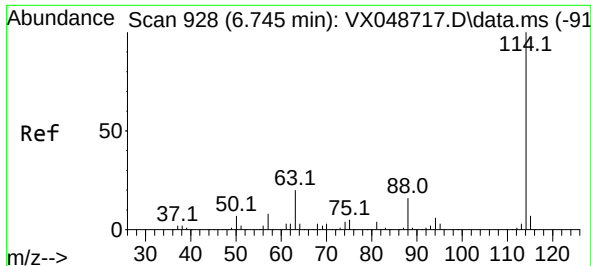


#33
 1,2-Dichloroethane-d4
 Concen: 42.361 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. -0.000 min
 Lab File: VX048906.D
 Acq: 16 Dec 2025 22:18

Tgt Ion: 65 Resp: 67995

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	107.4

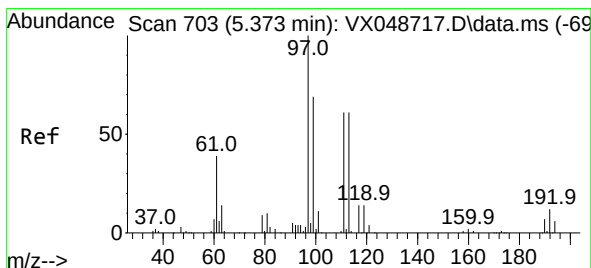
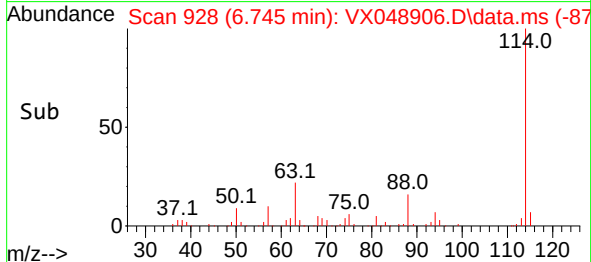
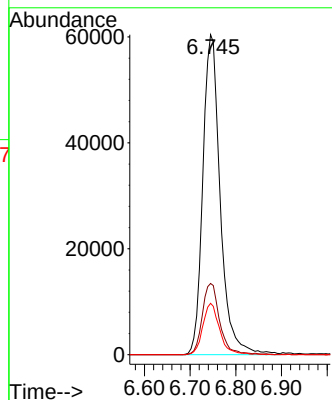
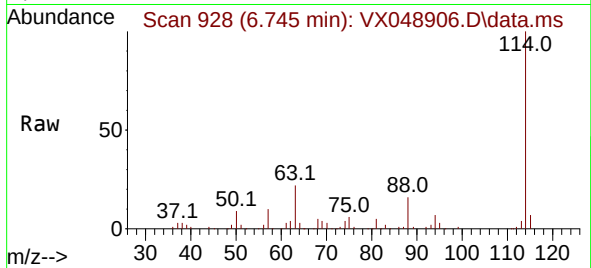




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048906.D
Acq: 16 Dec 2025 22:18

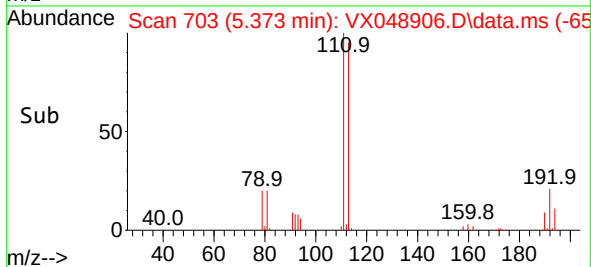
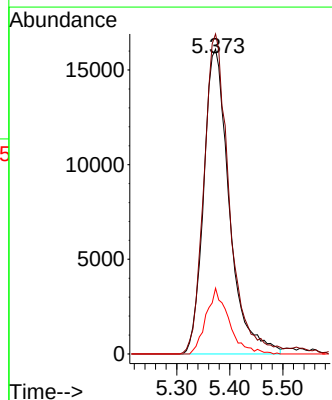
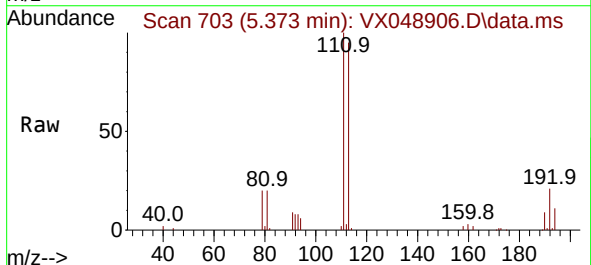
Instrument :
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OW-07B-65-121125

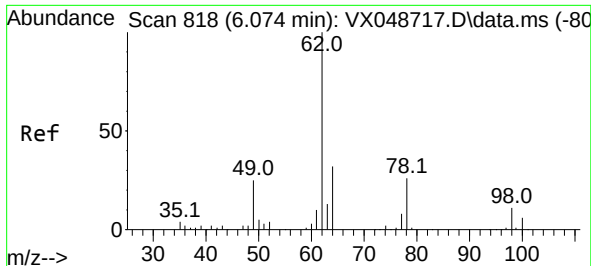
Tgt Ion:114 Resp: 160224
Ion Ratio Lower Upper
114 100
63 22.3 0.0 39.0
88 16.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 45.340 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX048906.D
Acq: 16 Dec 2025 22:18

Tgt Ion:113 Resp: 53996
Ion Ratio Lower Upper
113 100
111 104.4 79.5 119.3
192 19.3 16.1 24.1





#42

1,2-Dichloroethane

Concen: 4.142 ug/l

RT: 6.080 min Scan# 818

Delta R.T. 0.012 min

Lab File: VX048906.D

Acq: 16 Dec 2025 22:18

Instrument :

MSVOA_X

ClientSampleId :

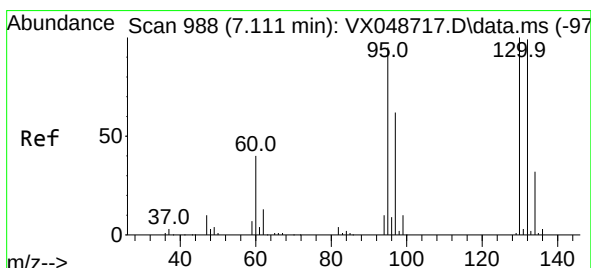
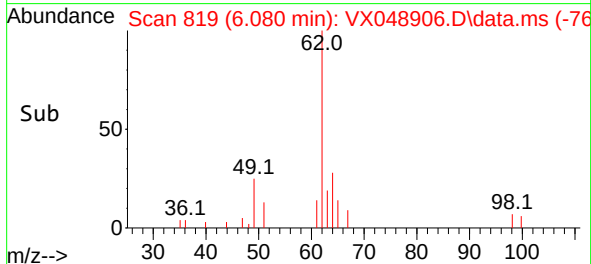
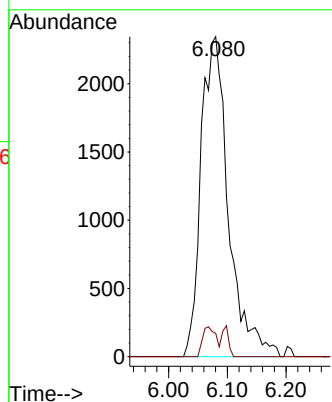
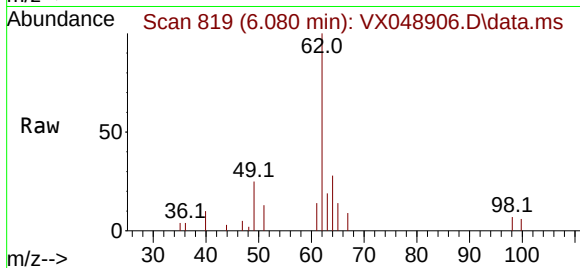
OW-07B-65-121125

Tgt Ion: 62 Resp: 7606

Ion Ratio Lower Upper

62 100

98 4.6 0.0 20.2



#44

Trichloroethene

Concen: 21.200 ug/l

RT: 7.110 min Scan# 988

Delta R.T. -0.000 min

Lab File: VX048906.D

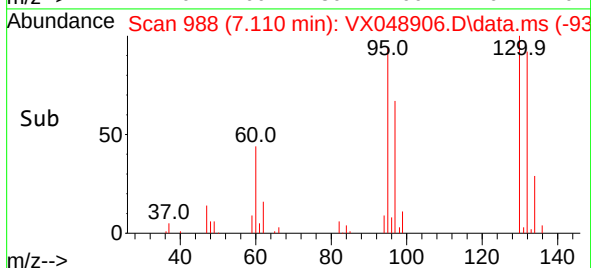
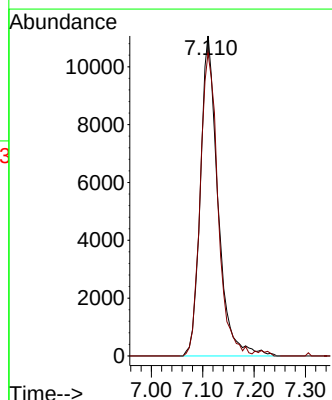
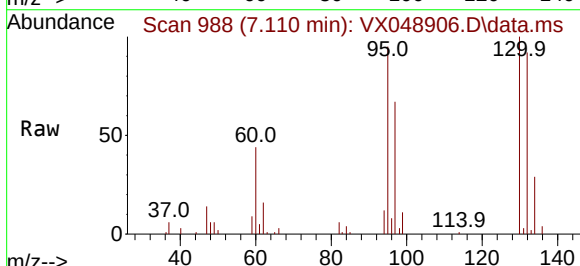
Acq: 16 Dec 2025 22:18

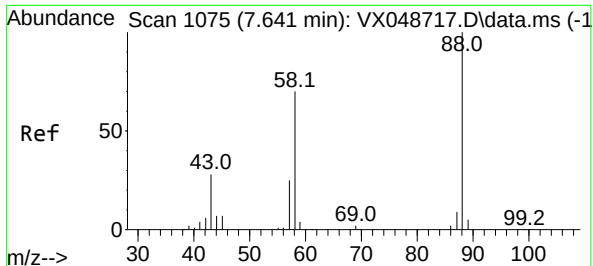
Tgt Ion:130 Resp: 26192

Ion Ratio Lower Upper

130 100

95 94.7 0.0 189.6





#49

1,4-Dioxane

Concen: 55.819 ug/l

RT: 7.659 min Scan# 1075

Delta R.T. 0.012 min

Lab File: VX048906.D

Acq: 16 Dec 2025 22:18

Instrument :

MSVOA_X

ClientSampleId :

OW-07B-65-121125

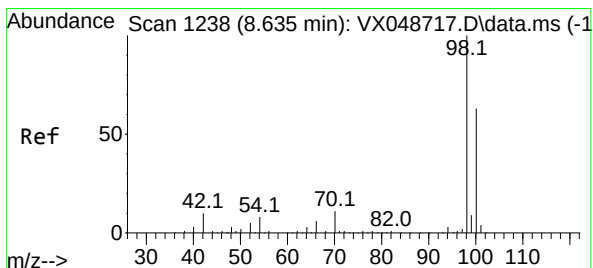
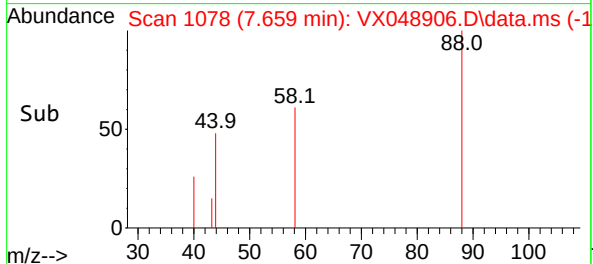
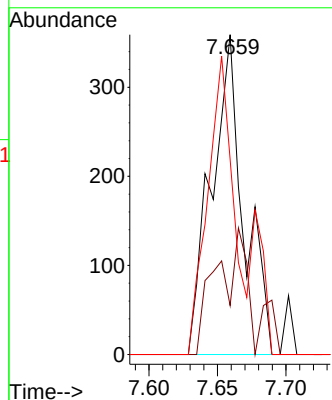
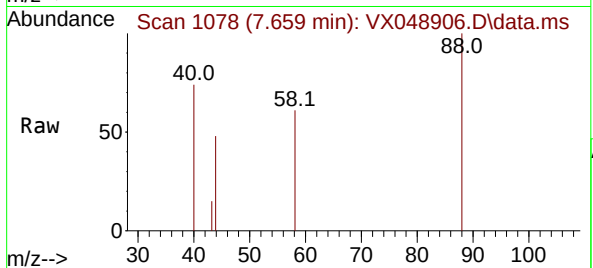
Tgt Ion: 88 Resp: 589

Ion Ratio Lower Upper

88 100

43 20.9 28.6 43.0#

58 74.4 58.0 87.0



#50

Toluene-d8

Concen: 47.484 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048906.D

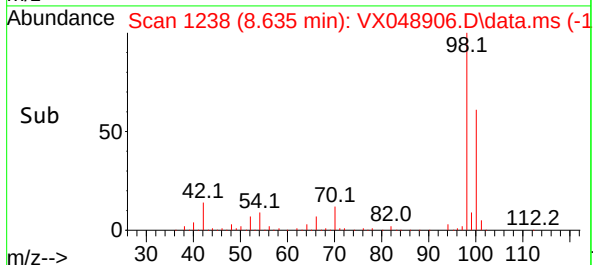
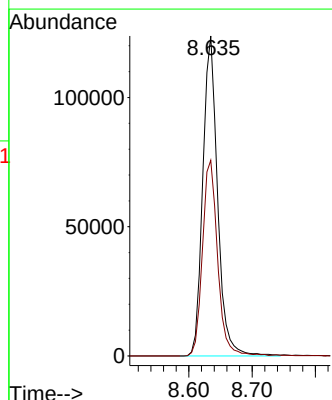
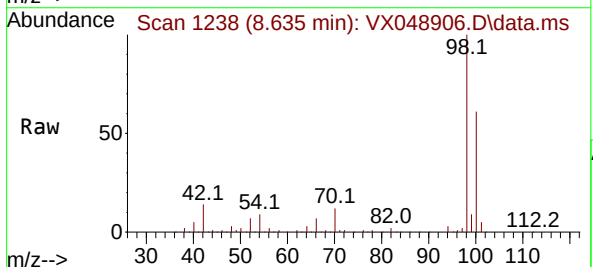
Acq: 16 Dec 2025 22:18

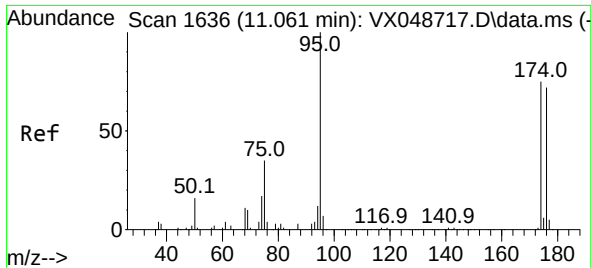
Tgt Ion: 98 Resp: 201889

Ion Ratio Lower Upper

98 100

100 62.6 53.4 80.0

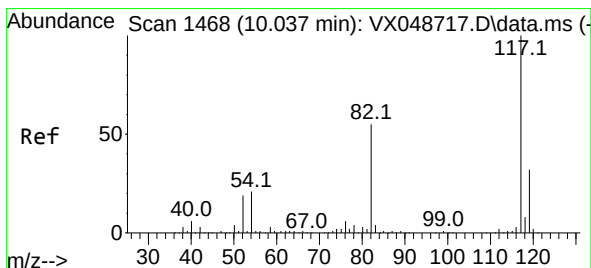
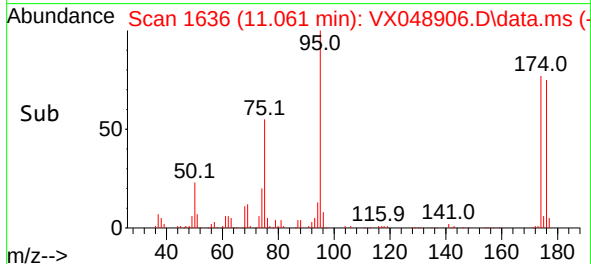
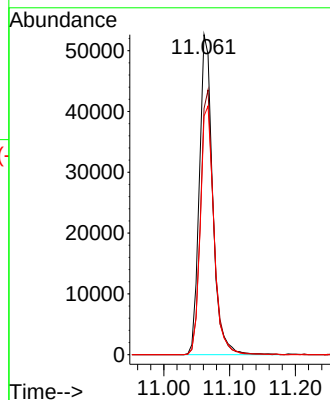
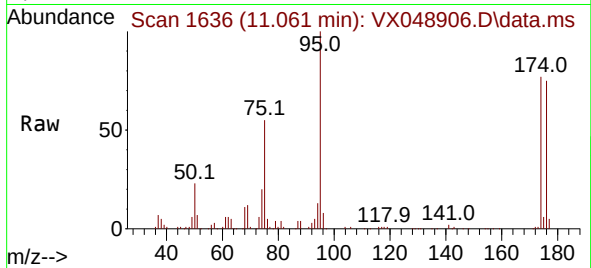




#62
4-Bromofluorobenzene
Concen: 48.456 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048906.D
Acq: 16 Dec 2025 22:18

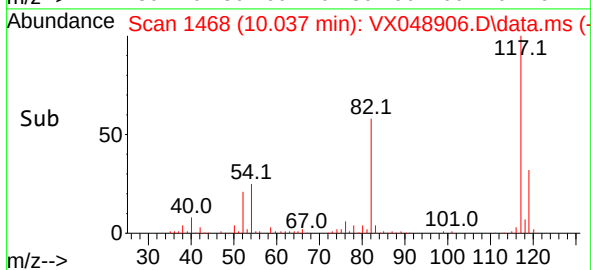
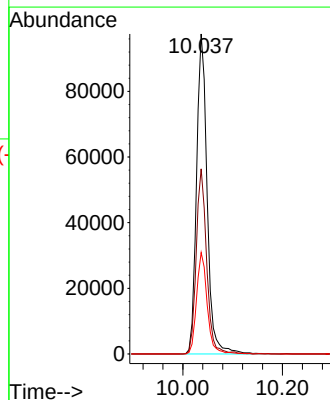
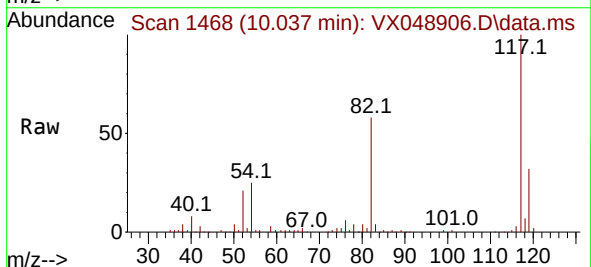
Instrument :
MSVOA_X
ClientSampleId :
OW-07B-65-121125

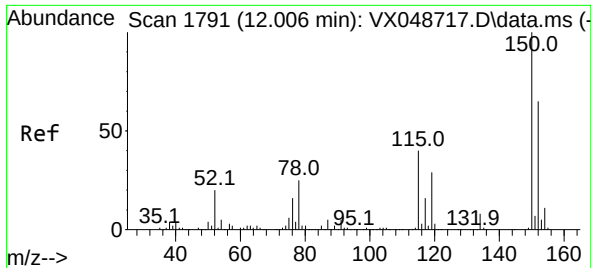
Tgt Ion: 95 Resp: 73966
Ion Ratio Lower Upper
95 100
174 82.0 0.0 157.8
176 79.4 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048906.D
Acq: 16 Dec 2025 22:18

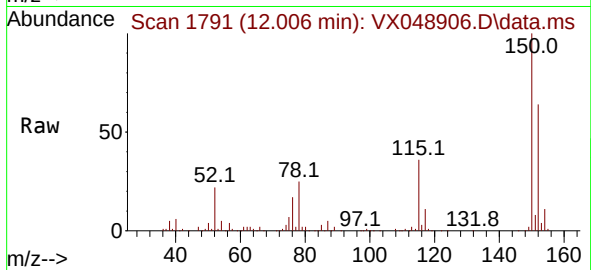
Tgt Ion: 117 Resp: 143922
Ion Ratio Lower Upper
117 100
82 57.8 44.1 66.1
119 31.7 25.2 37.8





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: VX048906.D
 Acq: 16 Dec 2025 22:18

Instrument :
 MSVOA_X
 ClientSampleId :
 OW-07B-65-121125



Tgt Ion:152 Resp: 63676
 Ion Ratio Lower Upper
 152 100
 115 58.5 42.1 126.4
 150 158.7 0.0 347.8

