

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX103125\
 Data File : VX048441.D
 Acq On : 31 Oct 2025 18:14
 Operator : JC/MD
 Sample : Q3510-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL-002

Quant Time: Oct 31 23:10:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X102925W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 30 02:37:17 2025
 Response via : Initial Calibration

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

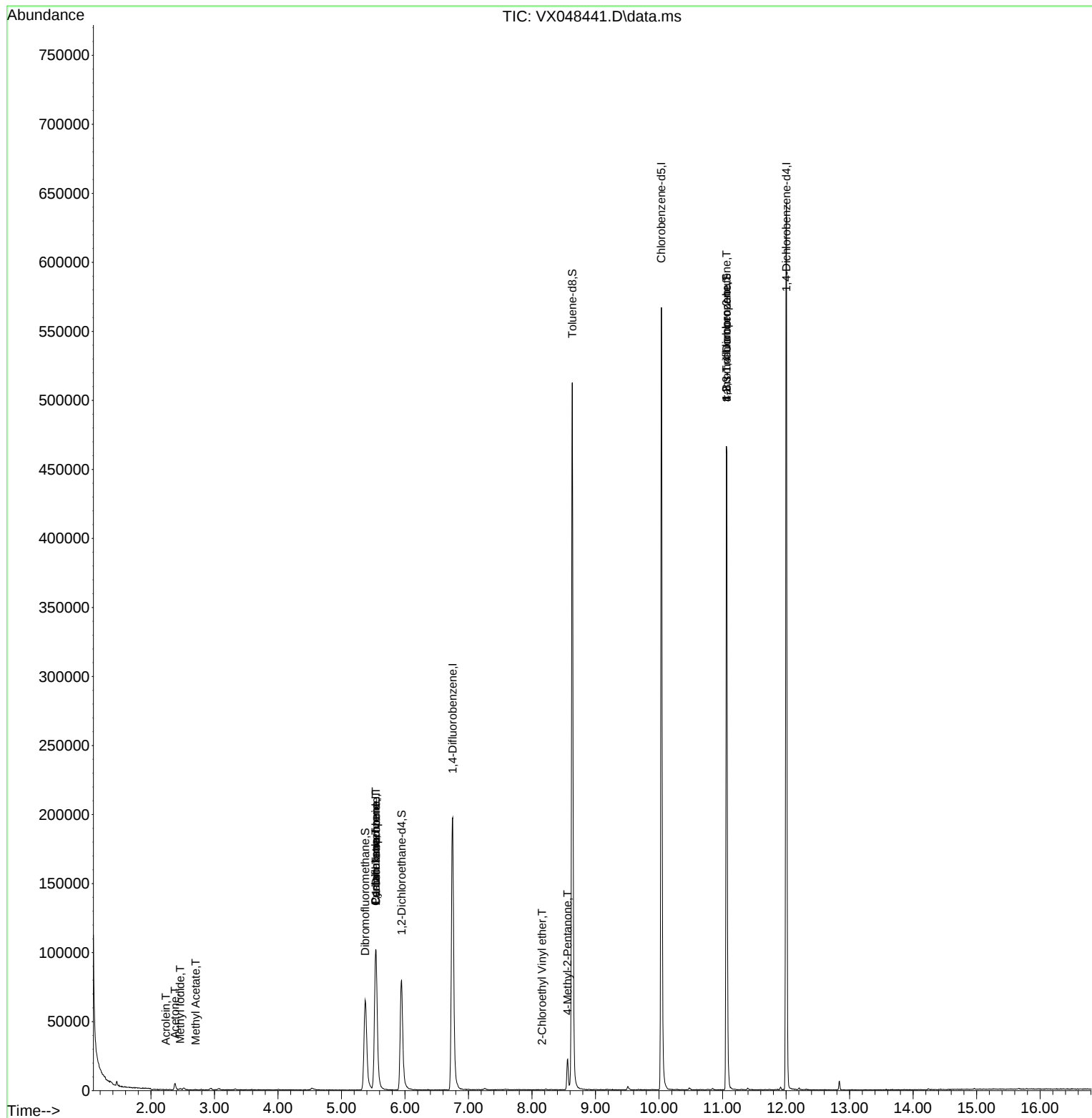
Internal Standards						
1) Pentafluorobenzene	5.537	168	110938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	229120	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	272455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	140983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	85173	53.385	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.760%	
35) Dibromofluoromethane	5.373	113	64341	49.254	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.500%	
50) Toluene-d8	8.634	98	315046	54.635	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 109.280%	
62) 4-Bromofluorobenzene	11.061	95	138312	64.120	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 128.240%#	
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.459	142	1046	0.205	ug/l #	90
13) Acrolein	2.233	56	181	0.709	ug/l #	31
16) Acetone	2.380	43	6439	17.807	ug/l	92
18) Methyl Acetate	2.703	43	495	0.409	ug/l #	63
31) Cyclohexane	5.537	56	1920	0.871	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	8195	3.736	ug/l #	49
38) Carbon Tetrachloride	5.544	117	11032	4.356	ug/l #	17
51) 4-Methyl-2-Pentanone	8.561	43	14921	8.689	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.159	63	52	9.332	ug/l #	47
76) 1,2,3-Trichloropropane	11.061	75	69616	34.336	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.061	75	69616	118.822	ug/l #	10

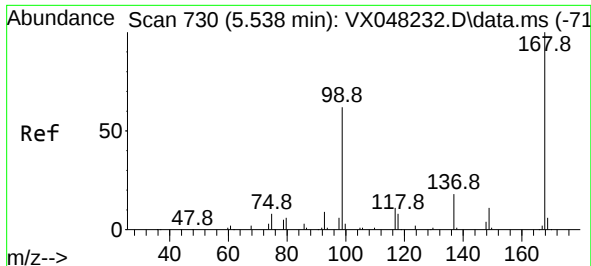
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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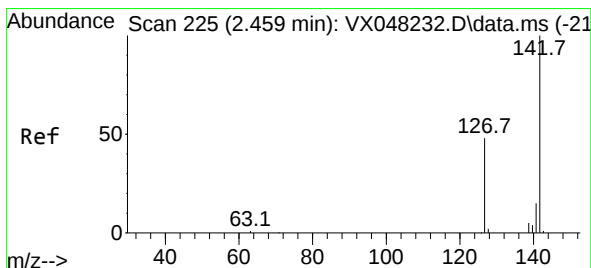
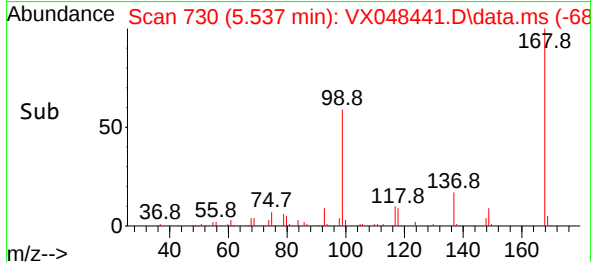
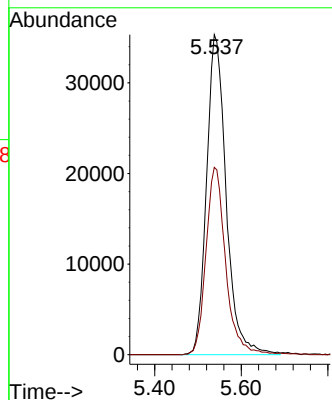
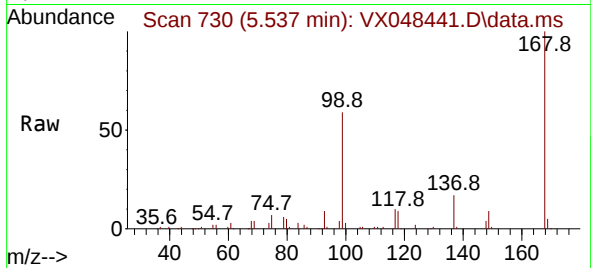




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX048441.D
Acq: 31 Oct 2025 18:14

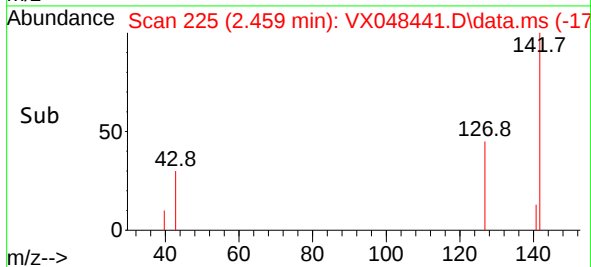
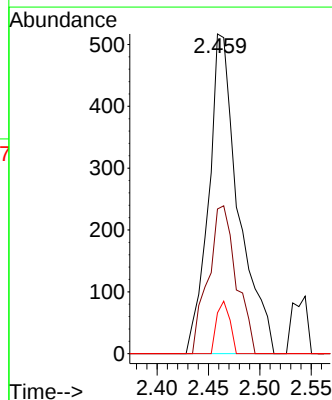
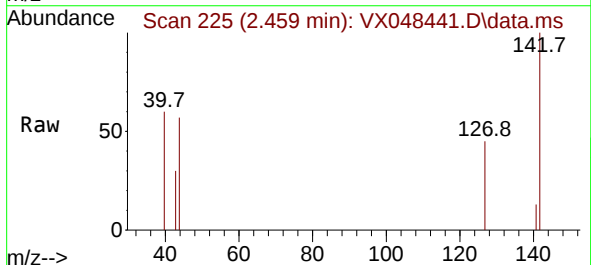
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL-002

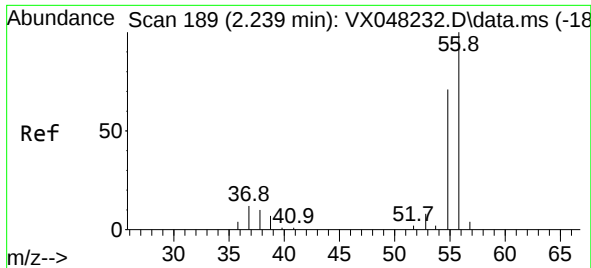
Tgt Ion:168 Resp: 110938
Ion Ratio Lower Upper
168 100
99 58.6 46.4 69.6



#10
Methyl Iodide
Concen: 0.205 ug/l
RT: 2.459 min Scan# 225
Delta R.T. -0.000 min
Lab File: VX048441.D
Acq: 31 Oct 2025 18:14

Tgt Ion:142 Resp: 1046
Ion Ratio Lower Upper
142 100
127 43.3 38.5 57.7
141 7.2 11.6 17.4#

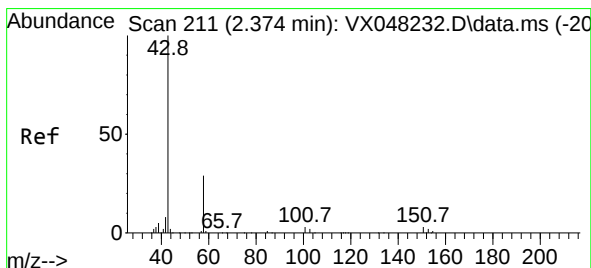
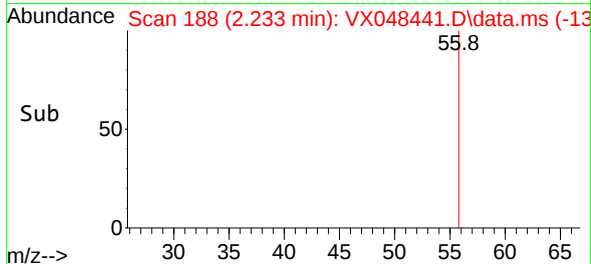
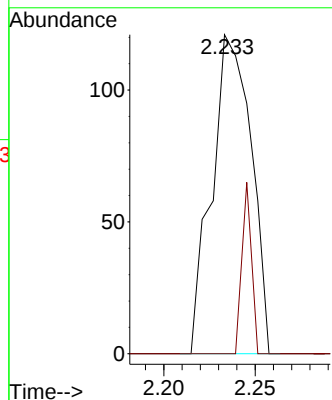
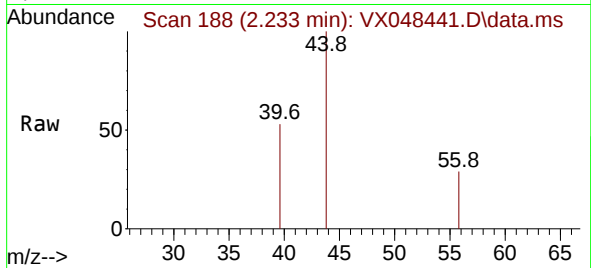




#13
Acrolein
Concen: 0.709 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048441.D
Acq: 31 Oct 2025 18:14

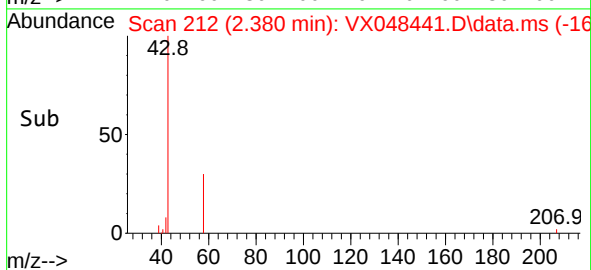
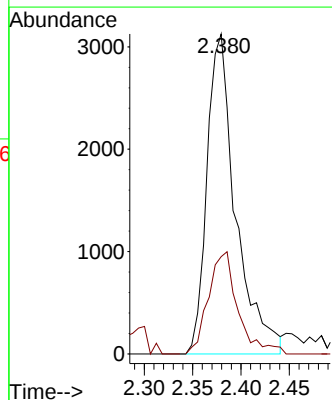
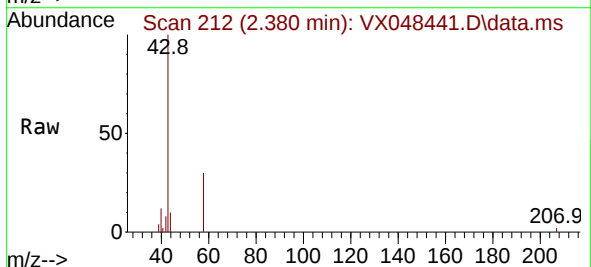
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL-002

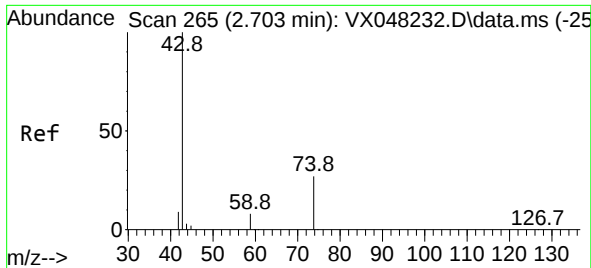
Tgt Ion: 56 Resp: 181
Ion Ratio Lower Upper
56 100
55 13.3 56.1 84.1#



#16
Acetone
Concen: 17.807 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048441.D
Acq: 31 Oct 2025 18:14

Tgt Ion: 43 Resp: 6439
Ion Ratio Lower Upper
43 100
58 33.7 23.4 35.2

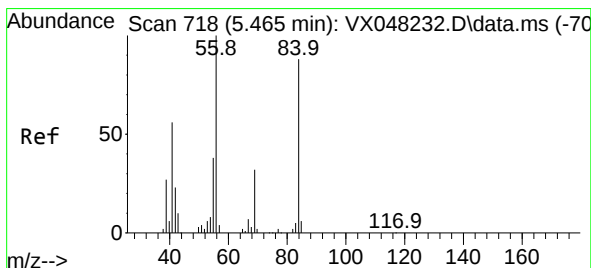
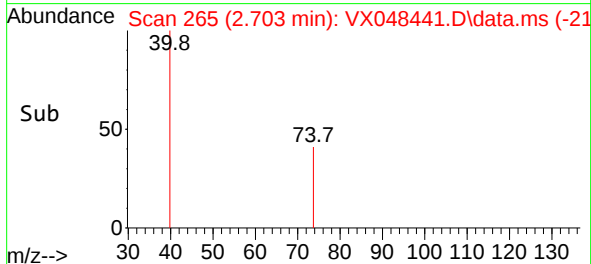
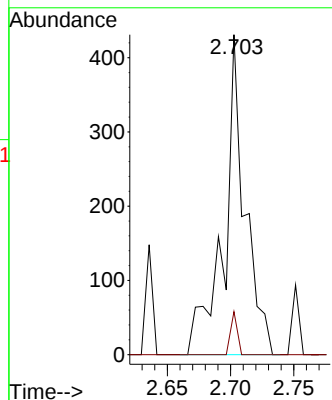
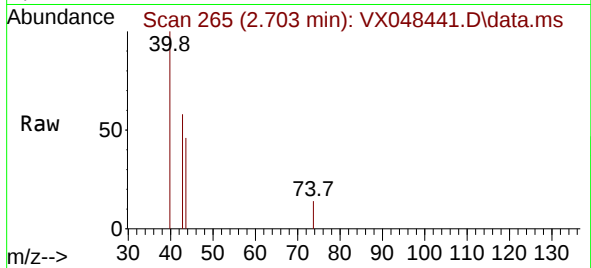




#18
Methyl Acetate
Concen: 0.409 ug/l
RT: 2.703 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX048441.D
Acq: 31 Oct 2025 18:14

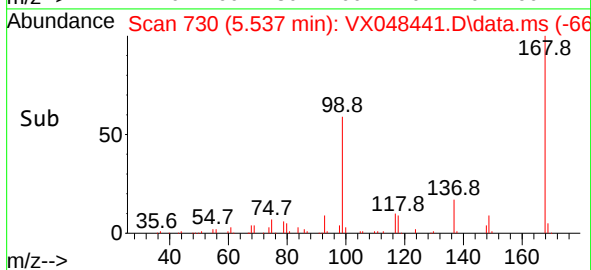
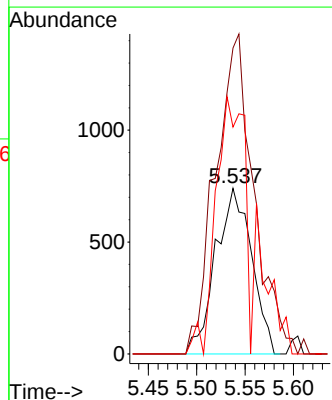
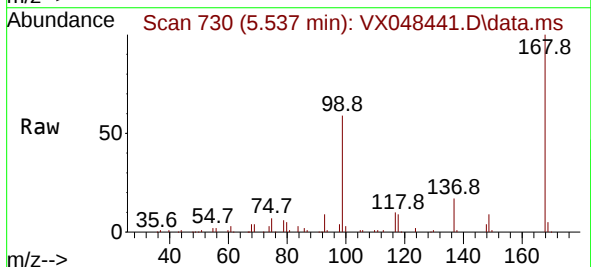
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL-002

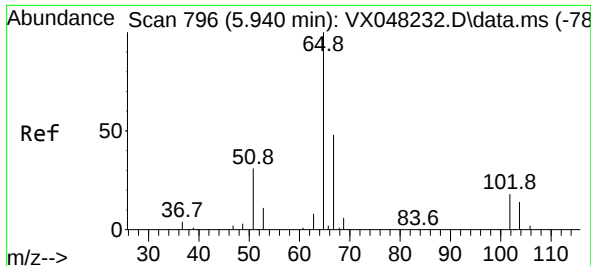
Tgt Ion: 43 Resp: 495
Ion Ratio Lower Upper
43 100
74 4.2 17.5 26.3#



#31
Cyclohexane
Concen: 0.871 ug/l
RT: 5.537 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX048441.D
Acq: 31 Oct 2025 18:14

Tgt Ion: 56 Resp: 1920
Ion Ratio Lower Upper
56 100
69 184.7 23.0 34.6#
84 137.0 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 53.385 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048441.D

Acq: 31 Oct 2025 18:14

Instrument :

MSVOA_X

ClientSampleId :

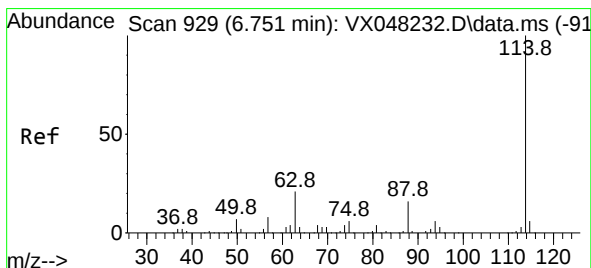
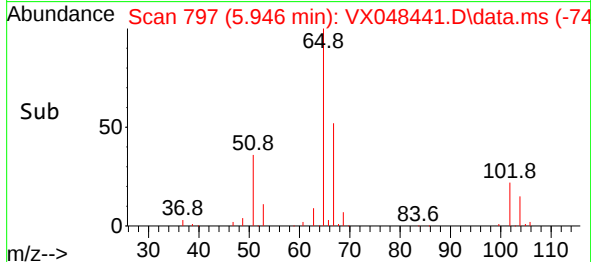
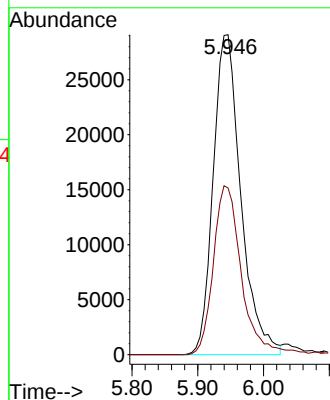
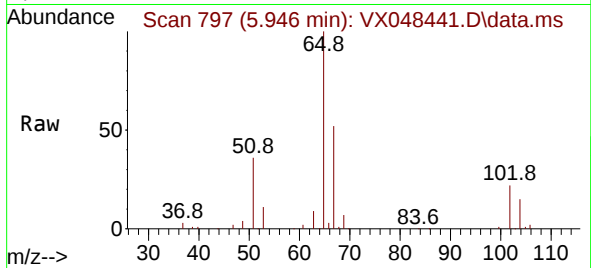
OUTFALL-002

Tgt Ion: 65 Resp: 85173

Ion Ratio Lower Upper

65 100

67 53.5 0.0 105.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX048441.D

Acq: 31 Oct 2025 18:14

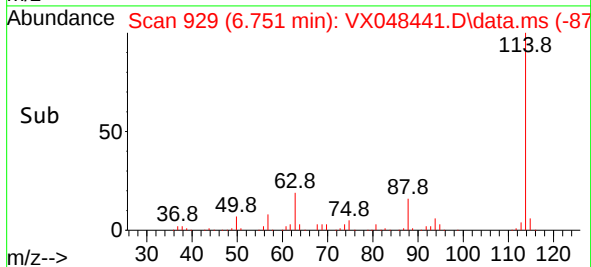
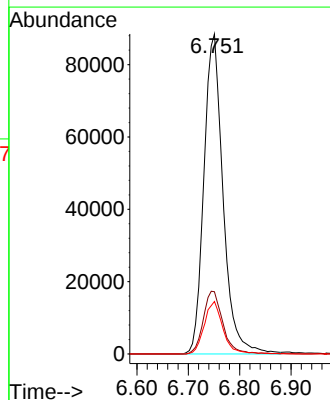
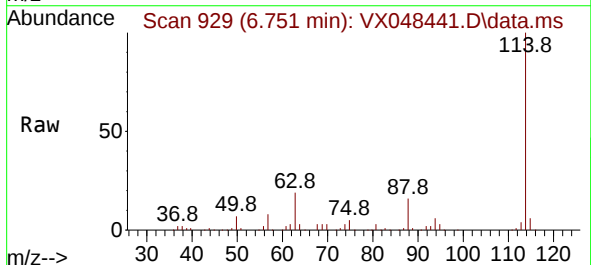
Tgt Ion: 114 Resp: 229120

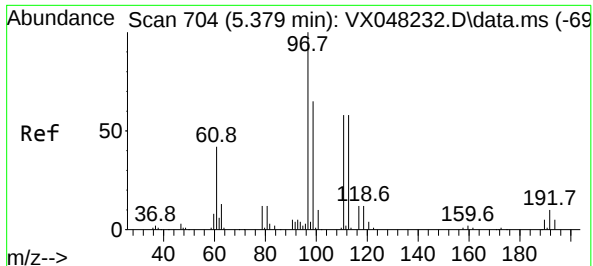
Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.2

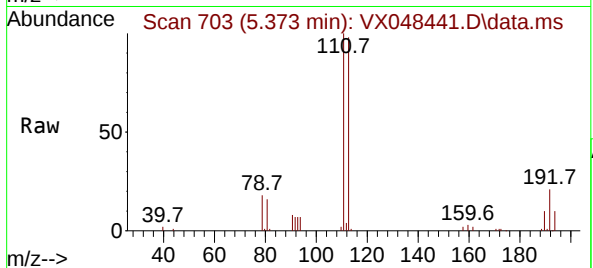
88 16.4 0.0 33.6



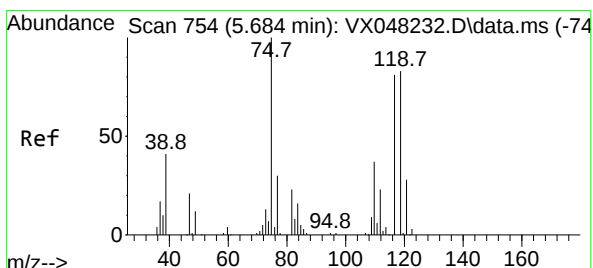
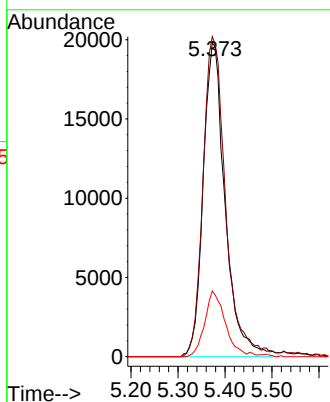
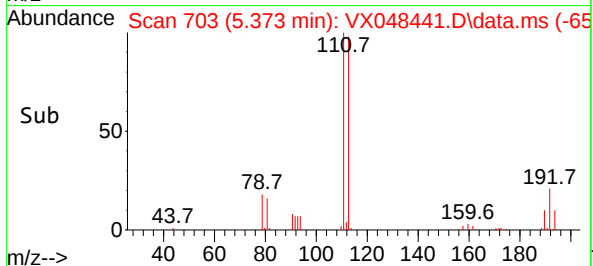


#35
Dibromofluoromethane
Concen: 49.254 ug/l
RT: 5.373 min Scan# 704
Delta R.T. -0.000 min
Lab File: VX048441.D
Acq: 31 Oct 2025 18:14

Instrument :
MSVOA_X
ClientSampleId :
OUTFALL-002

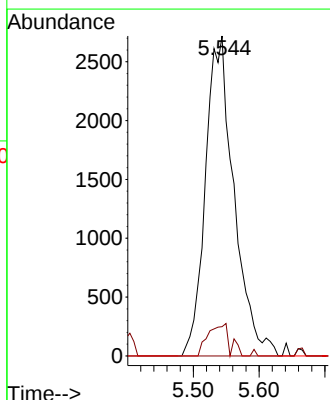
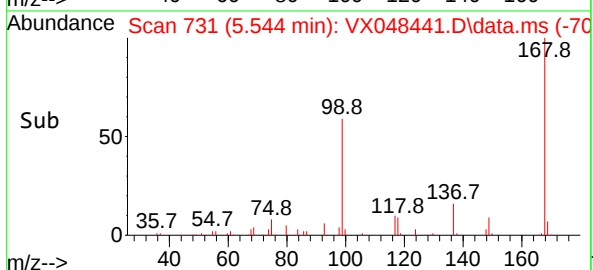
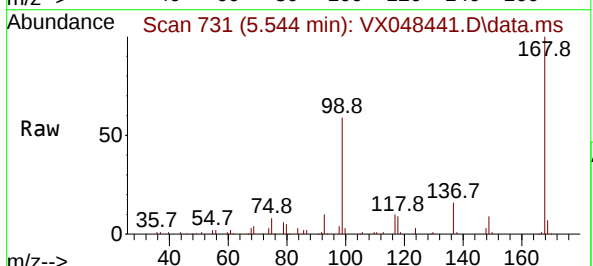


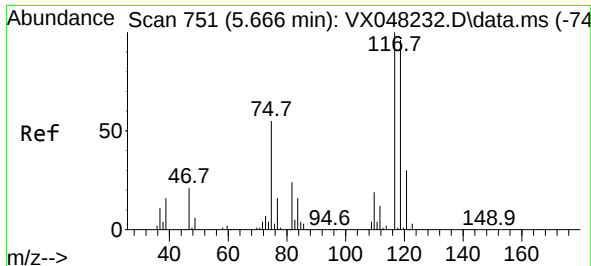
Tgt Ion:113 Resp: 64341
Ion Ratio Lower Upper
113 100
111 104.8 82.2 123.4
192 19.4 15.1 22.7



#36
1,1-Dichloropropene
Concen: 3.736 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX048441.D
Acq: 31 Oct 2025 18:14

Tgt Ion: 75 Resp: 8195
Ion Ratio Lower Upper
75 100
110 7.6 17.7 53.1#
77 0.0 24.3 36.5#

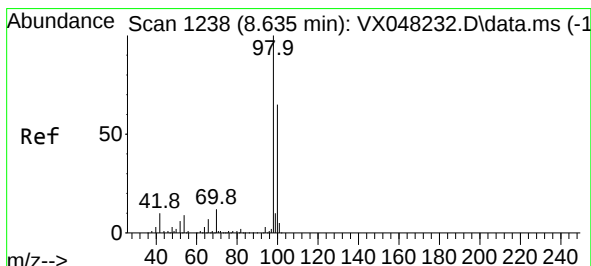
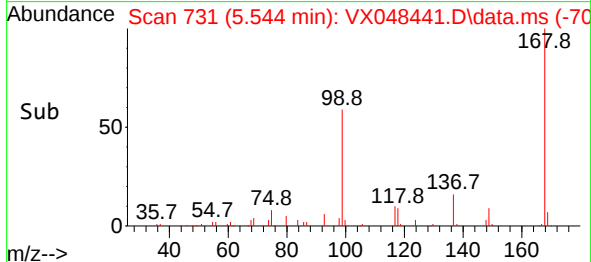
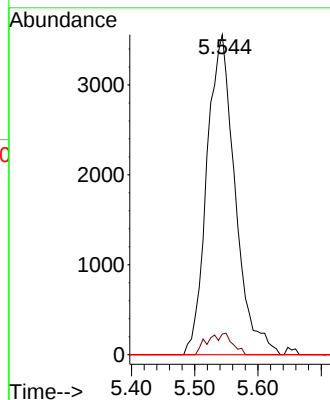
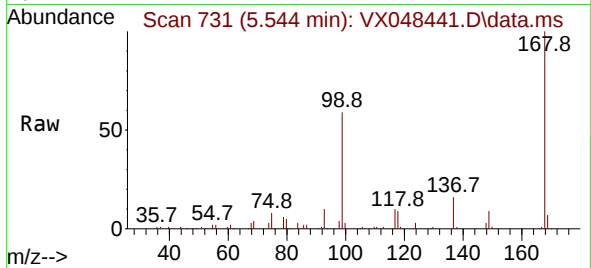




#38
Carbon Tetrachloride
Concen: 4.356 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX048441.D
Acq: 31 Oct 2025 18:14

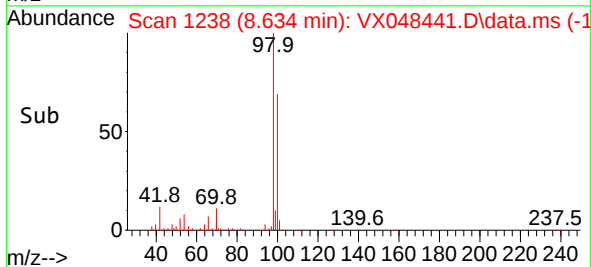
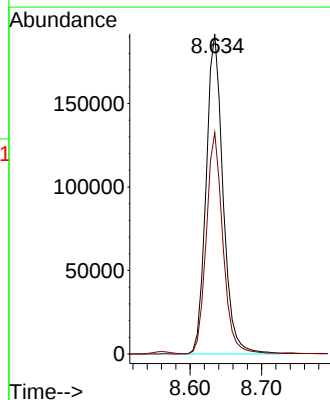
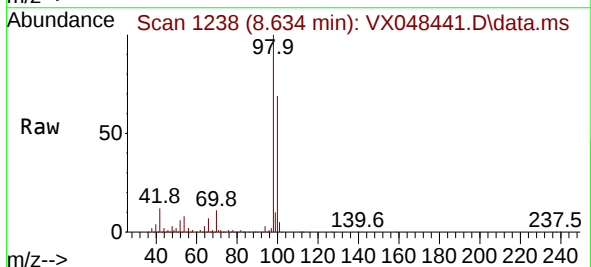
Instrument :
MSVOA_X
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OUTFALL-002

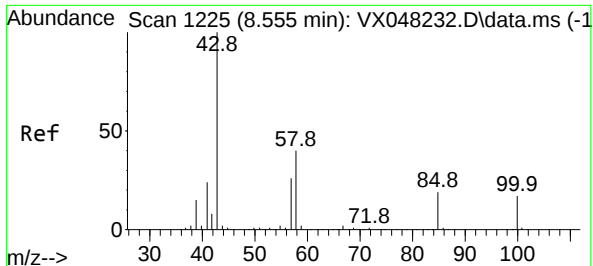
Tgt Ion:117 Resp: 11032
Ion Ratio Lower Upper
117 100
119 6.4 77.2 115.8#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 54.635 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048441.D
Acq: 31 Oct 2025 18:14

Tgt Ion: 98 Resp: 315046
Ion Ratio Lower Upper
98 100
100 67.6 53.0 79.4





#51

4-Methyl-2-Pentanone

Concen: 8.689 ug/l

RT: 8.561 min Scan# 1160

Delta R.T. 0.006 min

Lab File: VX048441.D

Acq: 31 Oct 2025 18:14

Instrument :

MSVOA_X

ClientSampleId :

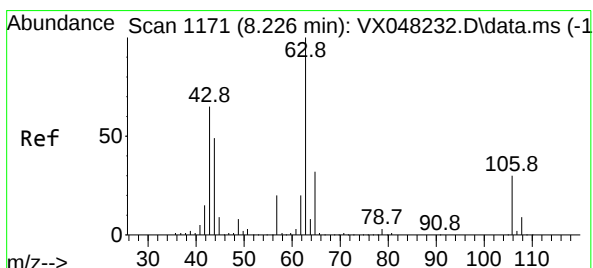
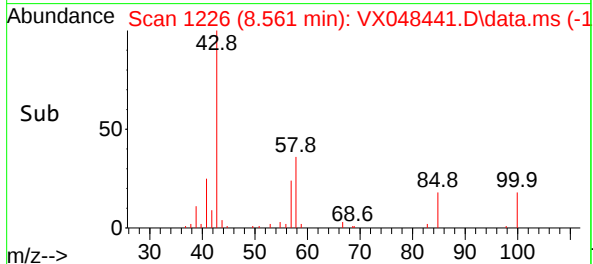
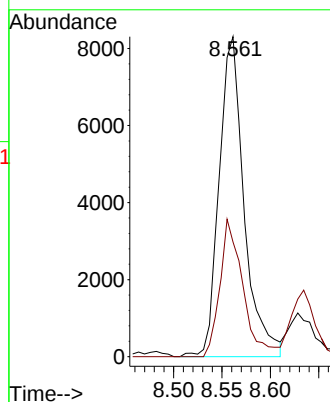
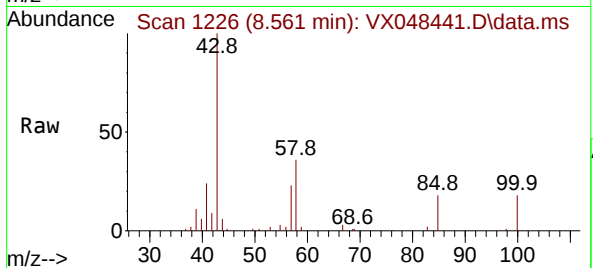
OUTFALL-002

Tgt Ion: 43 Resp: 14921

Ion Ratio Lower Upper

43 100

58 39.1 29.5 44.3



#58

2-Chloroethyl Vinyl ether

Concen: 9.332 ug/l

RT: 8.159 min Scan# 1160

Delta R.T. -0.067 min

Lab File: VX048441.D

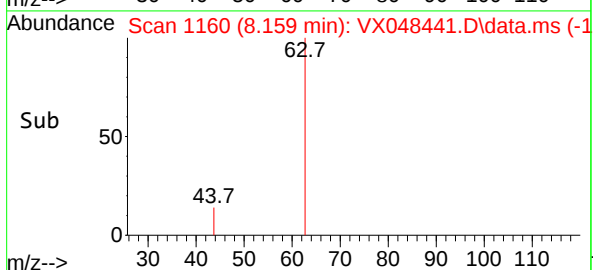
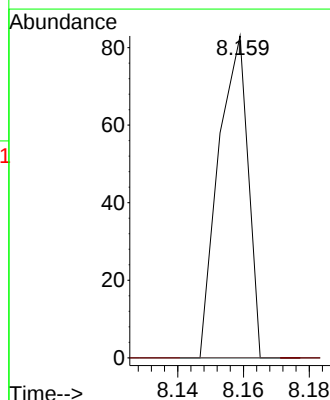
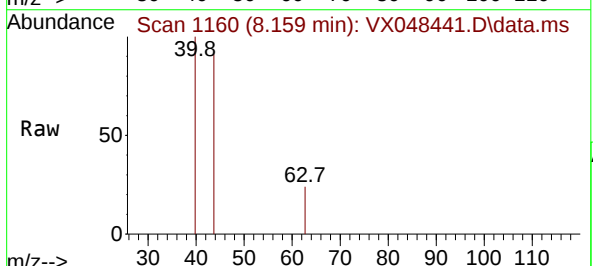
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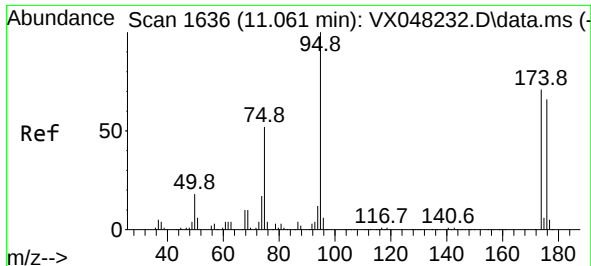
Tgt Ion: 63 Resp: 52

Ion Ratio Lower Upper

63 100

106 0.0 22.2 33.2#

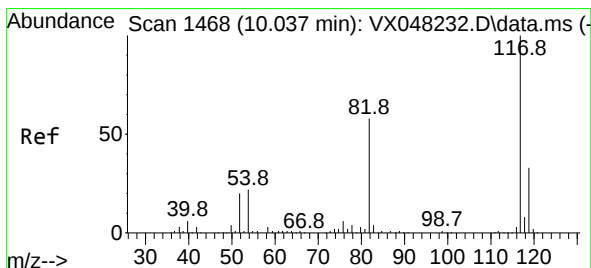
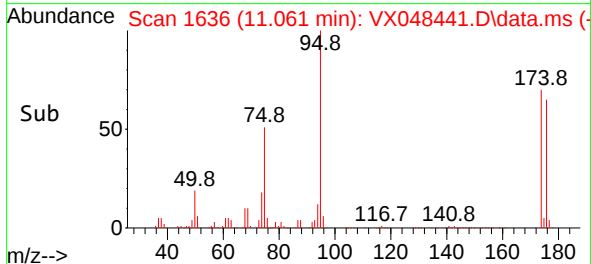
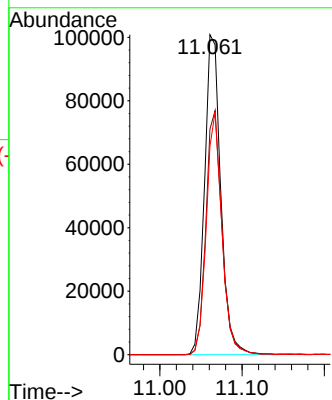
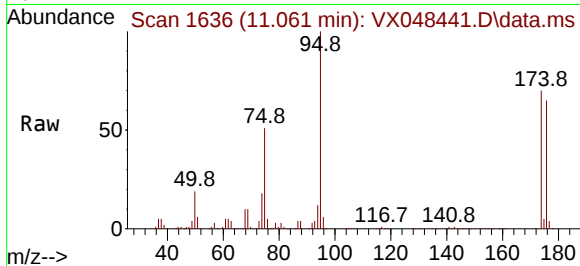




#62
4-Bromofluorobenzene
Concen: 64.120 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048441.D
Acq: 31 Oct 2025 18:14

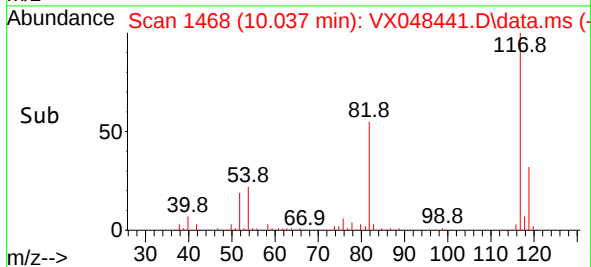
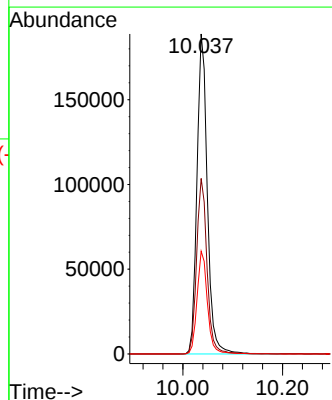
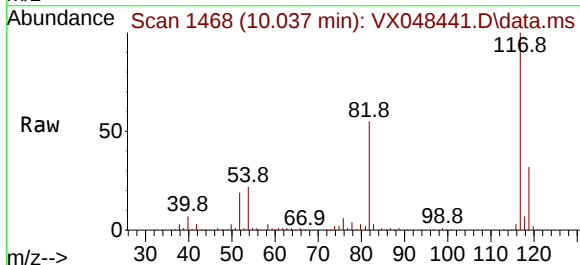
Instrument :
MSVOA_X
ClientSampleId :
OUTFALL-002

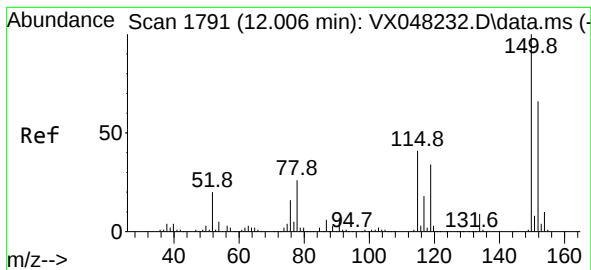
Tgt Ion: 95 Resp: 138312
Ion Ratio Lower Upper
95 100
174 75.2 0.0 147.8
176 72.9 0.0 142.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048441.D
Acq: 31 Oct 2025 18:14

Tgt Ion: 117 Resp: 272455
Ion Ratio Lower Upper
117 100
82 54.8 46.5 69.7
119 32.1 25.9 38.9

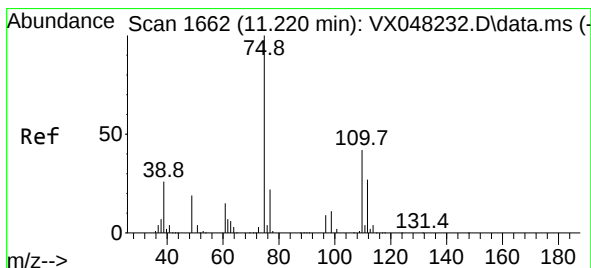
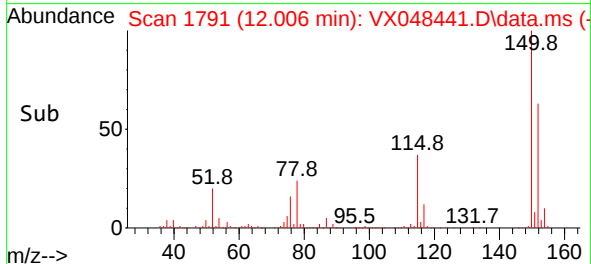
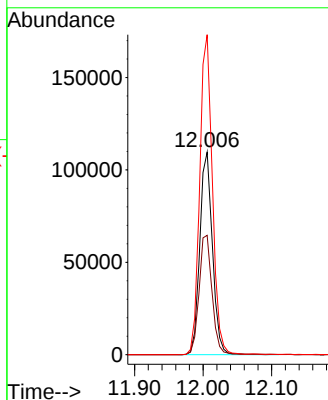
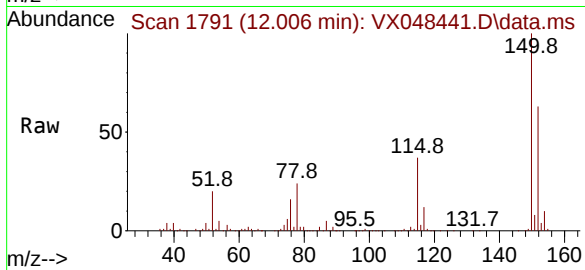




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048441.D
 Acq: 31 Oct 2025 18:14

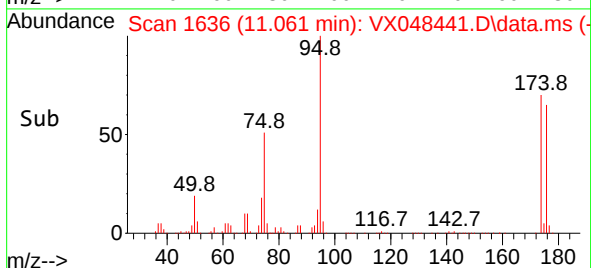
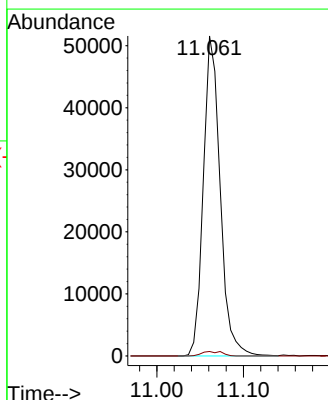
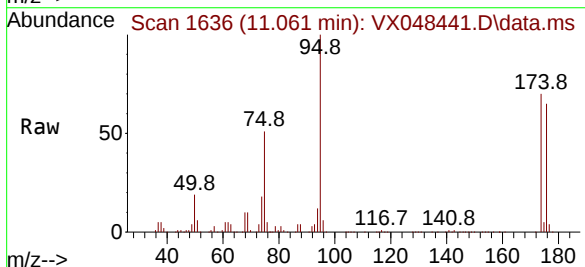
Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL-002

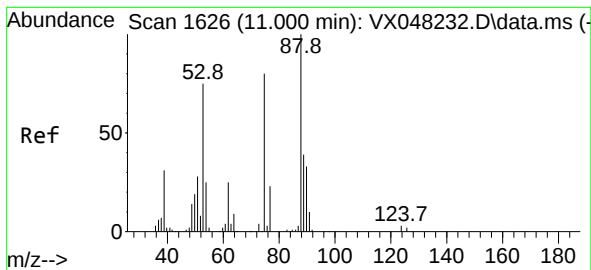
Tgt Ion:152 Resp: 140983
 Ion Ratio Lower Upper
 152 100
 115 60.2 43.1 129.4
 150 157.8 0.0 353.0



#76
 1,2,3-Trichloropropane
 Concen: 34.336 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048441.D
 Acq: 31 Oct 2025 18:14

Tgt Ion: 75 Resp: 69616
 Ion Ratio Lower Upper
 75 100
 77 1.7 22.4 67.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 118.822 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX048441.D
 Acq: 31 Oct 2025 18:14

Instrument :
 MSVOA_X
 ClientSampleId :
 OUTFALL-002

Tgt Ion: 75 Resp: 69616
 Ion Ratio Lower Upper
 75 100
 53 0.0 79.5 119.3#
 89 0.0 36.8 55.2#

