

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112025\
 Data File : VX048638.D
 Acq On : 20 Nov 2025 15:36
 Operator : JC/MD
 Sample : Q3685-02 100X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 4198

Quant Time: Nov 21 00:34:10 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

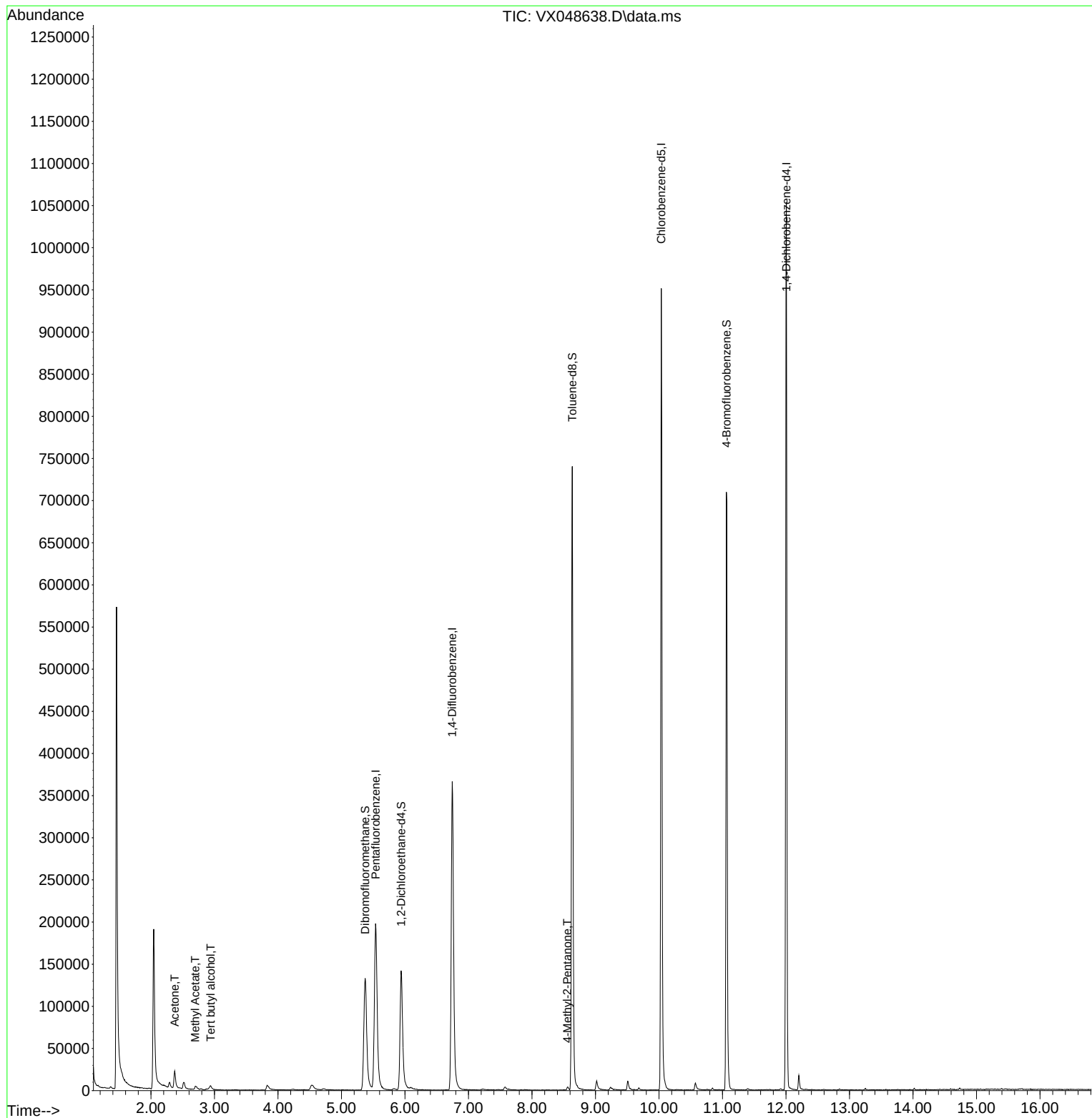
Internal Standards						
1) Pentafluorobenzene	5.538	168	202804	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	406282	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	438136	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	229391	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	155529	55.037	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	110.080%
35) Dibromofluoromethane	5.373	113	134437	43.719	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	87.440%
50) Toluene-d8	8.635	98	466468	48.639	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.280%
62) 4-Bromofluorobenzene	11.061	95	206656	57.822	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	115.640%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.940	59	5110	9.543	ug/l	99
16) Acetone	2.373	43	26815	20.046	ug/l	95
18) Methyl Acetate	2.697	43	5300	1.442	ug/l	91
51) 4-Methyl-2-Pentanone	8.555	43	2716	0.586	ug/l	97

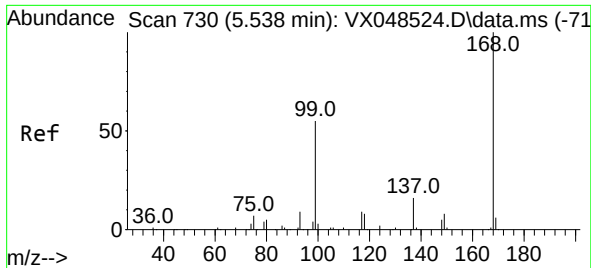
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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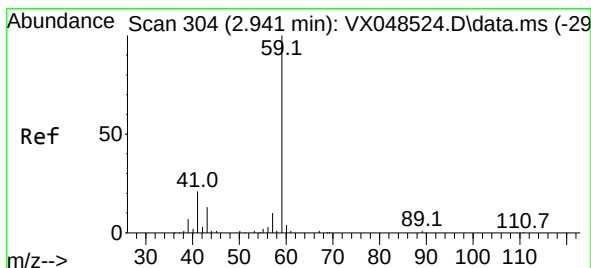
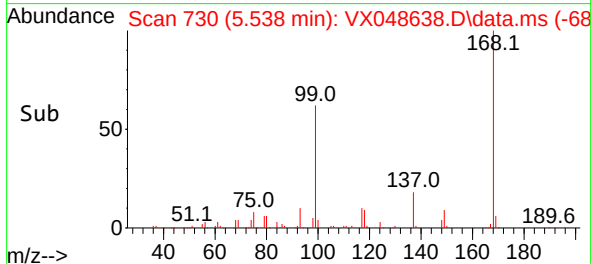
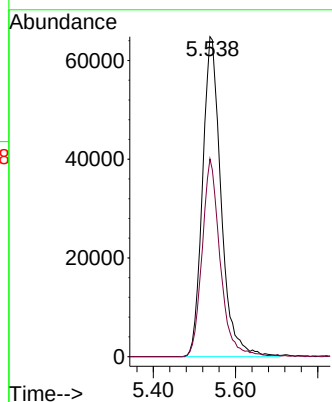
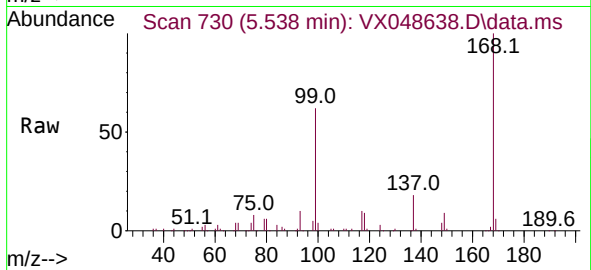




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.000 min
Lab File: VX048638.D
Acq: 20 Nov 2025 15:36

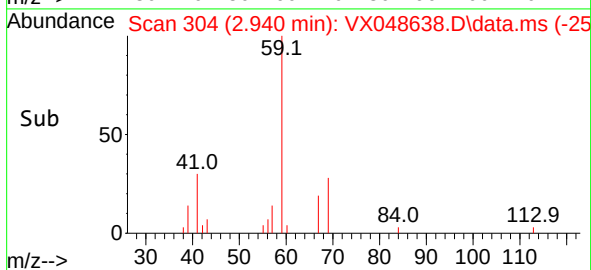
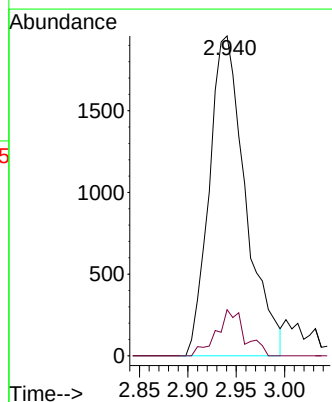
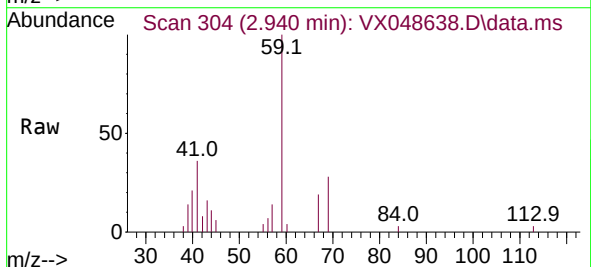
Instrument :
MSVOA_X
ClientSampleId :
4198

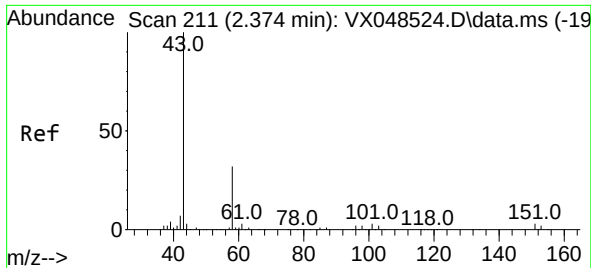
Tgt Ion:168 Resp: 202804
Ion Ratio Lower Upper
168 100
99 61.8 45.2 67.8



#11
Tert butyl alcohol
Concen: 9.543 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX048638.D
Acq: 20 Nov 2025 15:36

Tgt Ion: 59 Resp: 5110
Ion Ratio Lower Upper
59 100
57 11.2 8.6 13.0

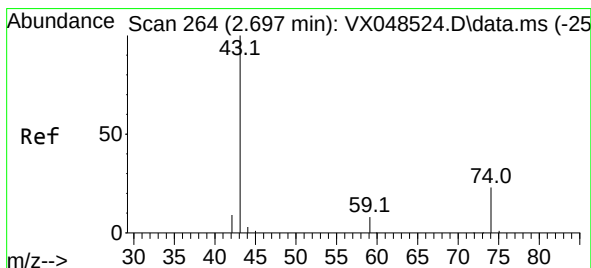
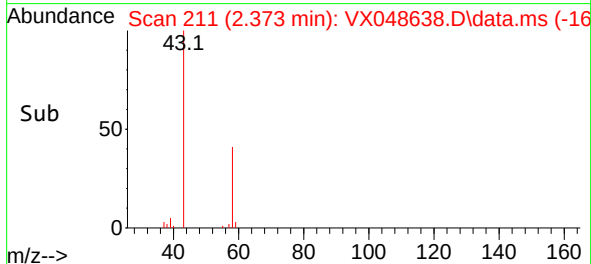
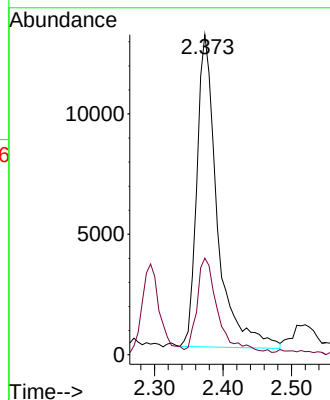
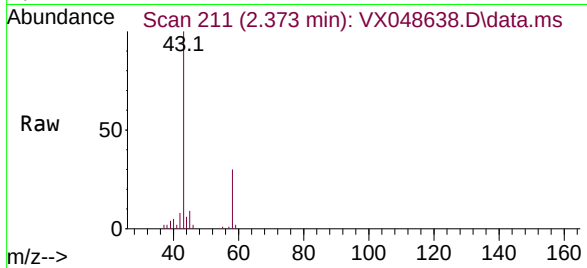




#16
Acetone
Concen: 20.046 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048638.D
Acq: 20 Nov 2025 15:36

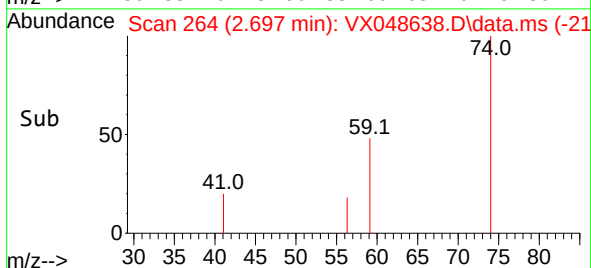
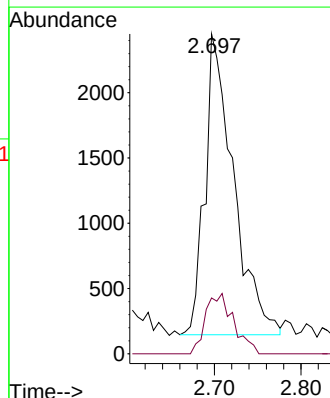
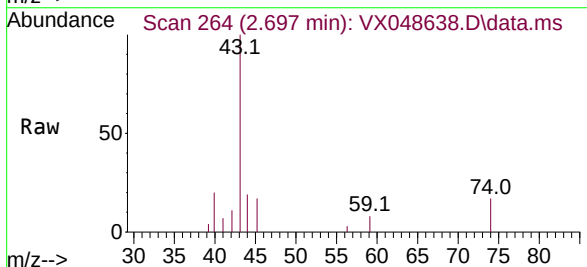
Instrument :
MSVOA_X
ClientSampleId :
4198

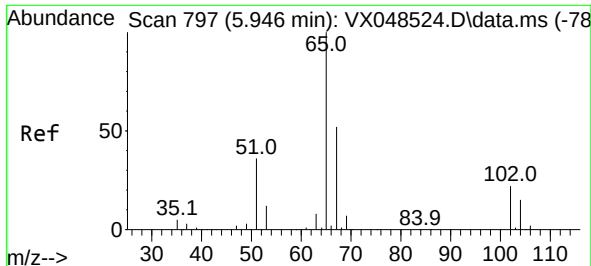
Tgt Ion: 43 Resp: 26815
Ion Ratio Lower Upper
43 100
58 29.3 25.8 38.6



#18
Methyl Acetate
Concen: 1.442 ug/l
RT: 2.697 min Scan# 264
Delta R.T. -0.000 min
Lab File: VX048638.D
Acq: 20 Nov 2025 15:36

Tgt Ion: 43 Resp: 5300
Ion Ratio Lower Upper
43 100
74 19.7 19.1 28.7





#33

1,2-Dichloroethane-d4

Concen: 55.037 ug/l

RT: 5.940 min Scan# 797

Delta R.T. -0.006 min

Lab File: VX048638.D

Acq: 20 Nov 2025 15:36

Instrument :

MSVOA_X

ClientSampleId :

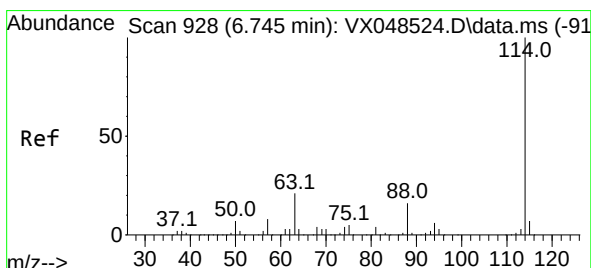
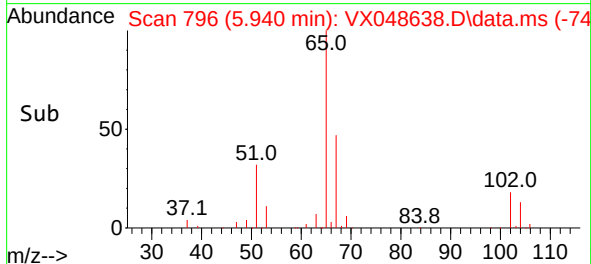
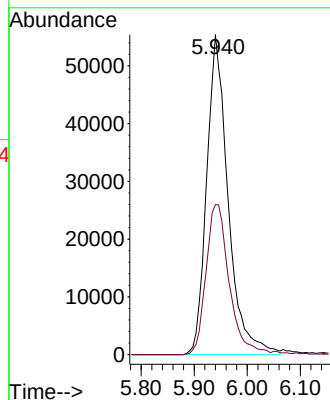
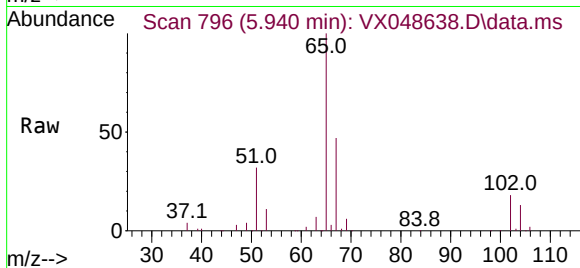
4198

Tgt Ion: 65 Resp: 155529

Ion Ratio Lower Upper

65 100

67 50.6 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048638.D

Acq: 20 Nov 2025 15:36

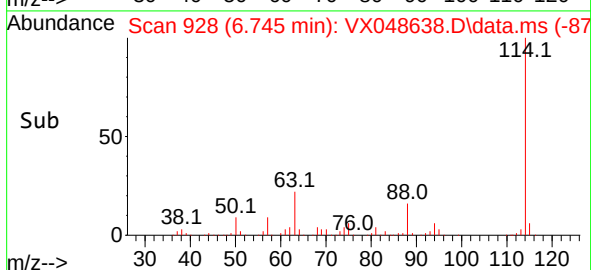
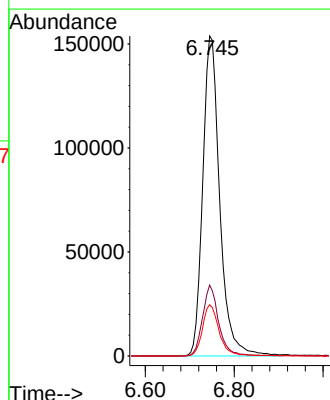
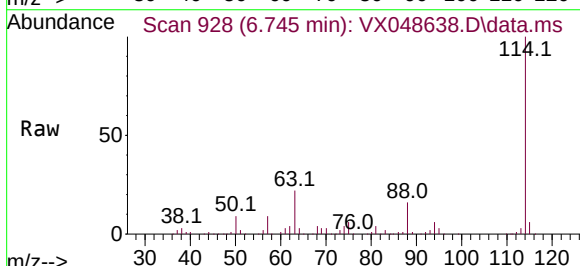
Tgt Ion: 114 Resp: 406282

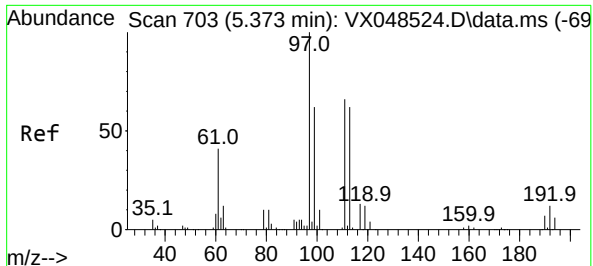
Ion Ratio Lower Upper

114 100

63 22.1 0.0 41.2

88 16.0 0.0 32.2





#35

Dibromofluoromethane

Concen: 43.719 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048638.D

Acq: 20 Nov 2025 15:36

Instrument :

MSVOA_X

ClientSampleId :

4198

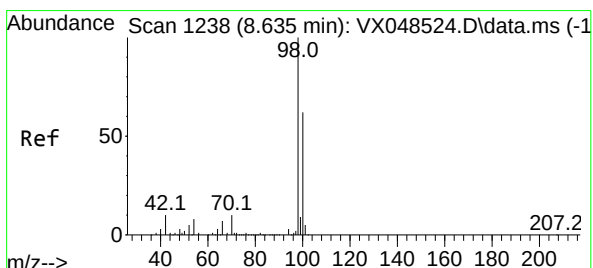
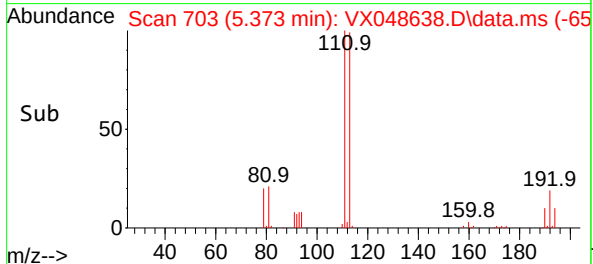
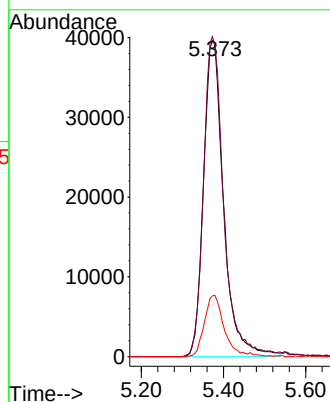
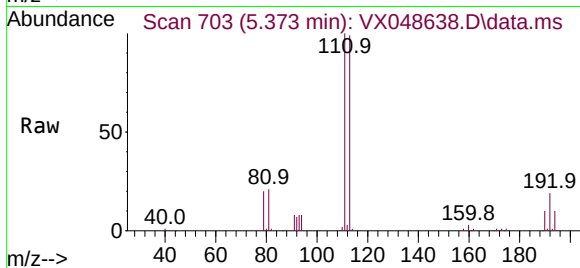
Tgt Ion:113 Resp: 134437

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

192 19.3 15.8 23.6



#50

Toluene-d8

Concen: 48.639 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048638.D

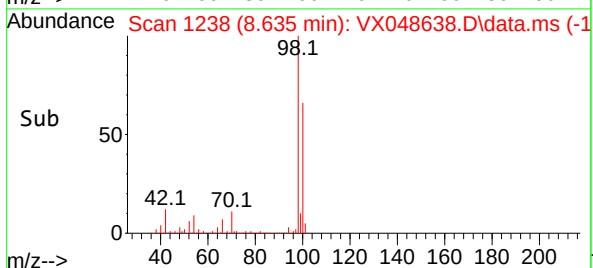
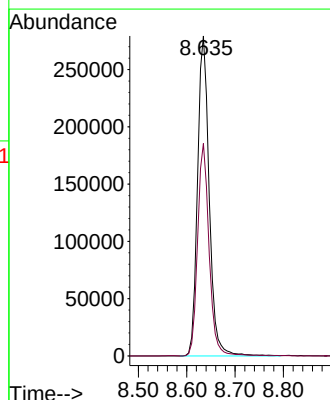
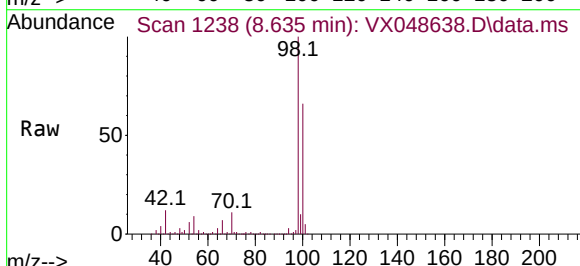
Acq: 20 Nov 2025 15:36

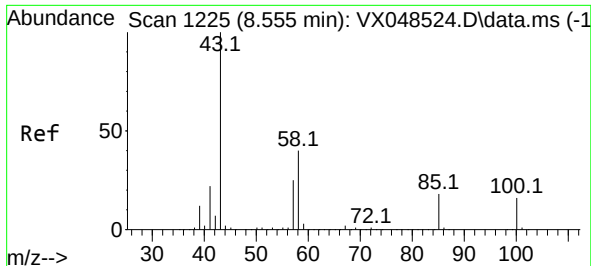
Tgt Ion: 98 Resp: 466468

Ion Ratio Lower Upper

98 100

100 65.3 53.6 80.4

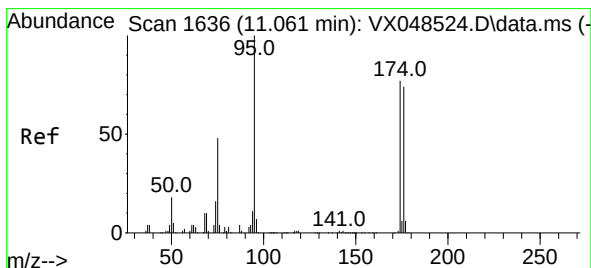
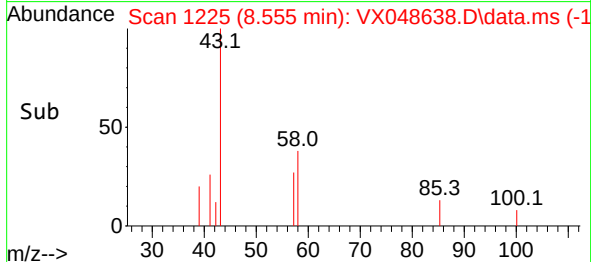
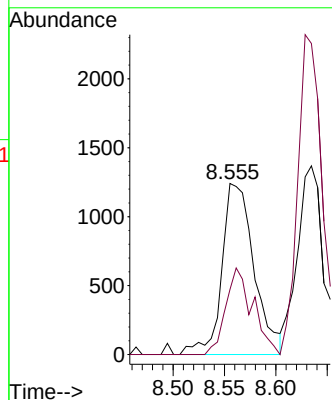
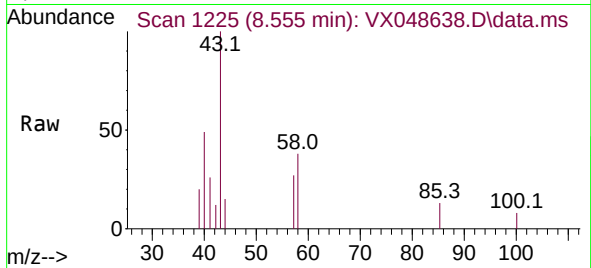




#51
4-Methyl-2-Pentanone
Concen: 0.586 ug/l
RT: 8.555 min Scan# 111
Delta R.T. -0.000 min
Lab File: VX048638.D
Acq: 20 Nov 2025 15:36

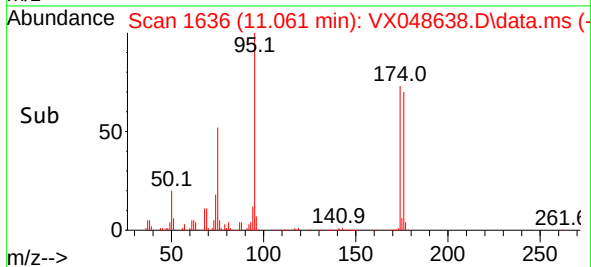
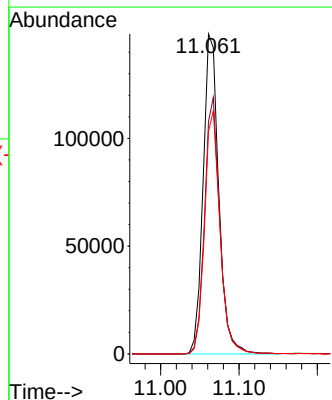
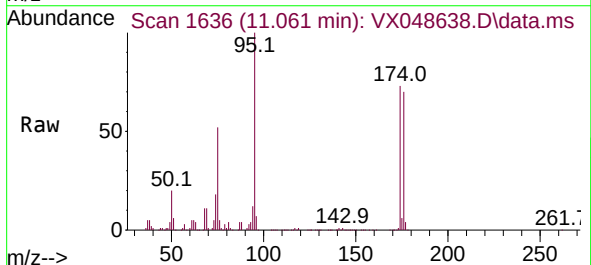
Instrument :
MSVOA_X
ClientSampleId :
4198

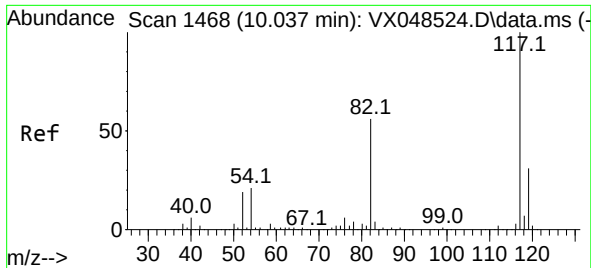
Tgt Ion: 43 Resp: 2716
Ion Ratio Lower Upper
43 100
58 42.4 32.3 48.5



#62
4-Bromofluorobenzene
Concen: 57.822 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048638.D
Acq: 20 Nov 2025 15:36

Tgt Ion: 95 Resp: 206656
Ion Ratio Lower Upper
95 100
174 78.4 0.0 161.8
176 75.2 0.0 153.6

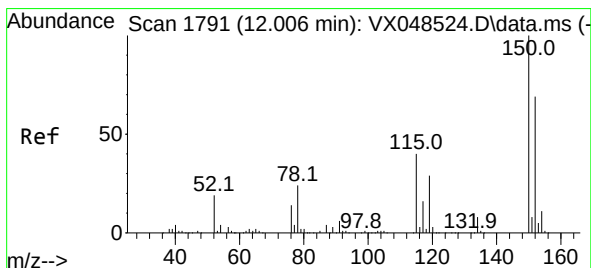
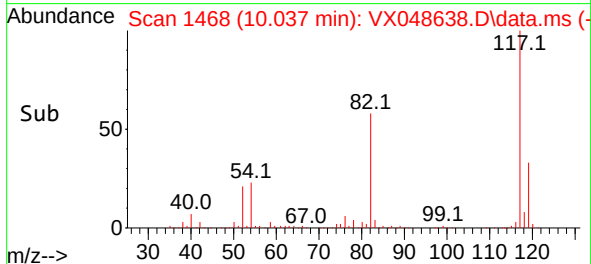
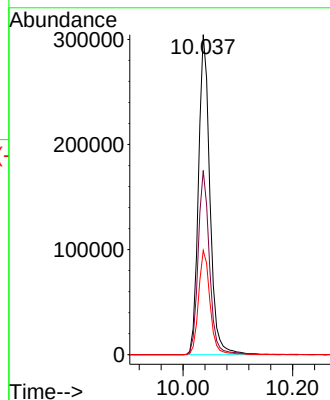
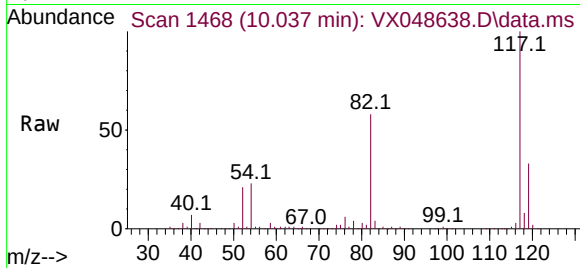




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 14198
Delta R.T. -0.000 min
Lab File: VX048638.D
Acq: 20 Nov 2025 15:36

Instrument :
MSVOA_X
ClientSampleId :
4198

Tgt Ion:117 Resp: 438136
Ion Ratio Lower Upper
117 100
82 57.5 44.4 66.6
119 32.6 25.1 37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048638.D
Acq: 20 Nov 2025 15:36

Tgt Ion:152 Resp: 229391
Ion Ratio Lower Upper
152 100
115 58.8 39.2 117.6
150 157.4 0.0 347.0

