

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111225\
 Data File : VX048573.D
 Acq On : 12 Nov 2025 13:00
 Operator : JC/MD
 Sample : Q3604-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S-2

Quant Time: Nov 12 13:18:28 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)

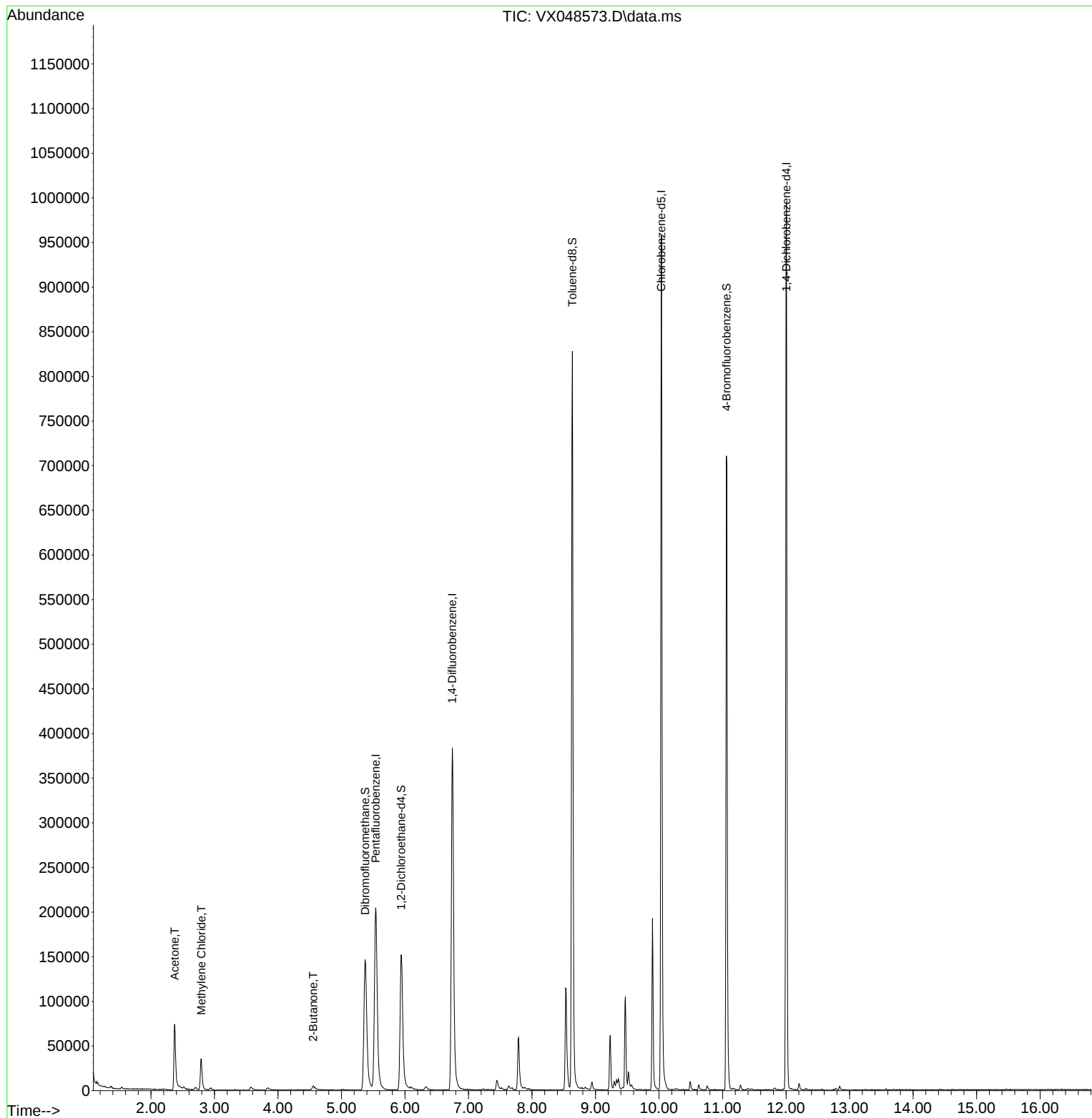
Internal Standards						
1) Pentafluorobenzene	5.537	168	212518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	429611	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	445317	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	214536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	168989	57.066	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	114.140%
35) Dibromofluoromethane	5.373	113	147905	45.487	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	90.980%
50) Toluene-d8	8.634	98	521695	51.444	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	102.880%
62) 4-Bromofluorobenzene	11.061	95	209428	55.415	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	110.840%
Target Compounds						
						Qvalue
16) Acetone	2.373	43	99526	71.002	ug/l	99
20) Methylene Chloride	2.794	84	18055	6.265	ug/l	98
25) 2-Butanone	4.556	43	10024	4.834	ug/l #	88

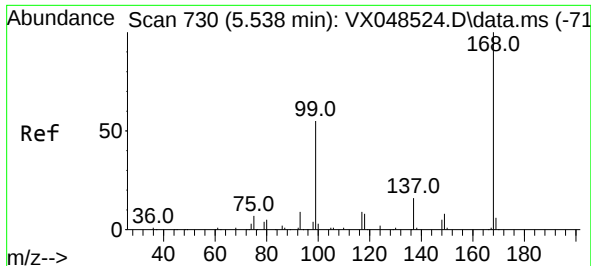
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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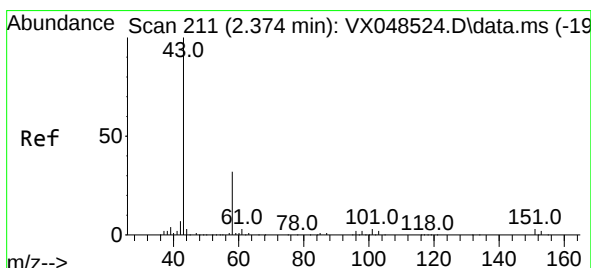
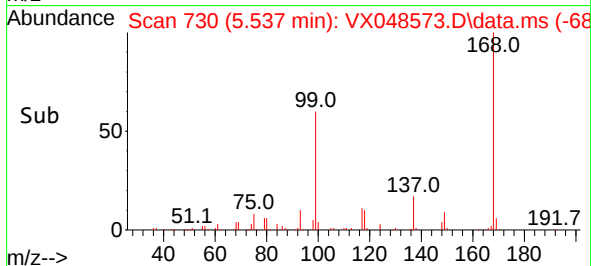
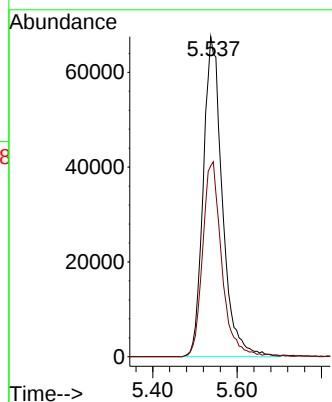
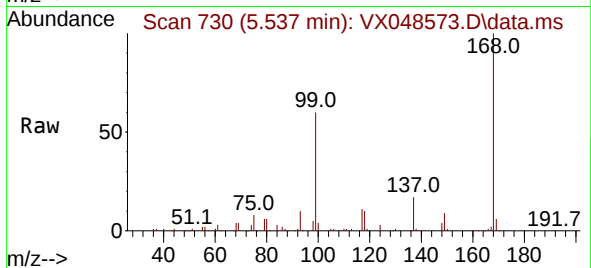




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048573.D
Acq: 12 Nov 2025 13:00

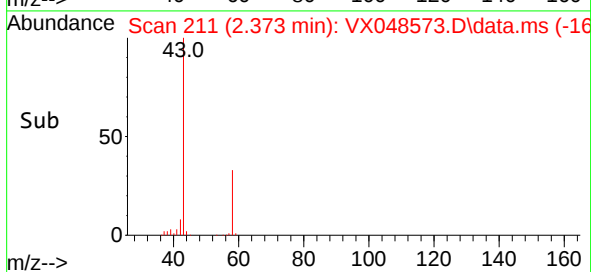
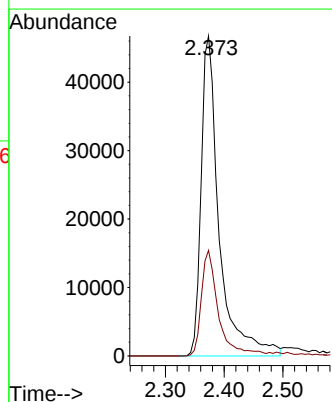
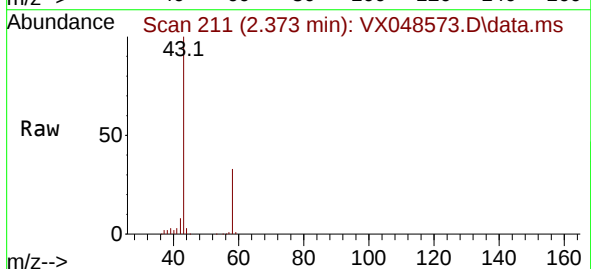
Instrument :
MSVOA_X
ClientSampleId :
S-2

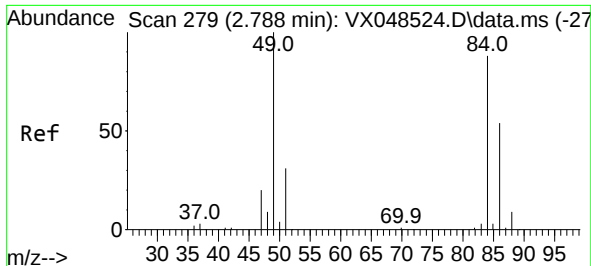
Tgt Ion:168 Resp: 212518
Ion Ratio Lower Upper
168 100
99 59.6 45.2 67.8



#16
Acetone
Concen: 71.002 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX048573.D
Acq: 12 Nov 2025 13:00

Tgt Ion: 43 Resp: 99526
Ion Ratio Lower Upper
43 100
58 33.0 25.8 38.6

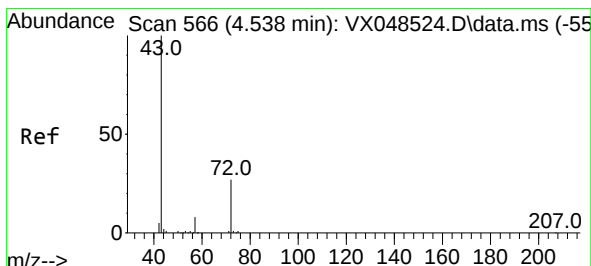
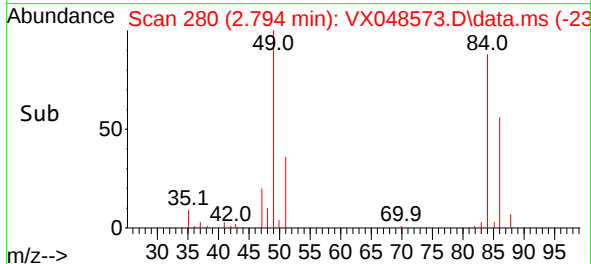
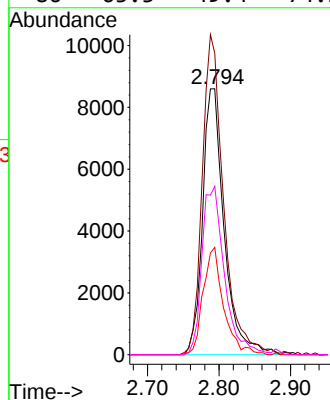
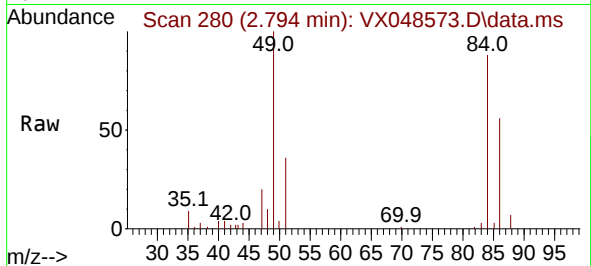




#20
Methylene Chloride
Concen: 6.265 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX048573.D
Acq: 12 Nov 2025 13:00

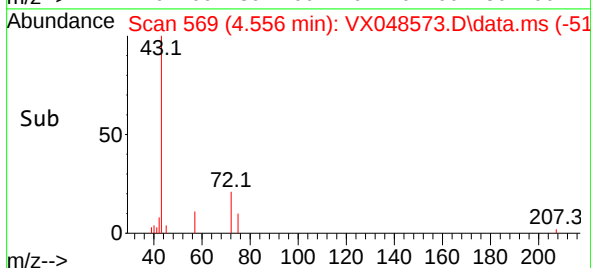
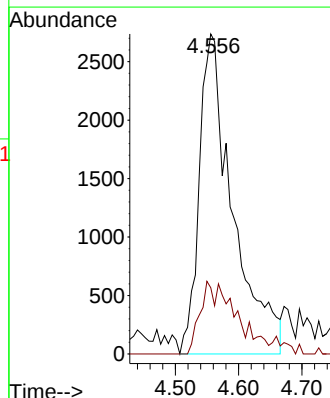
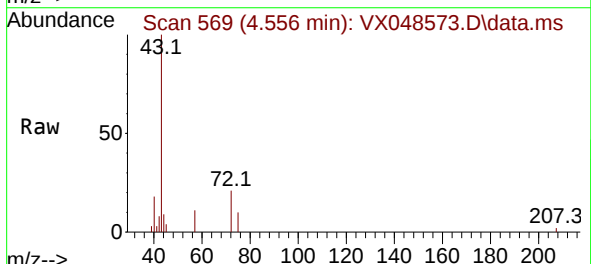
Instrument :
MSVOA_X
ClientSampleId :
S-2

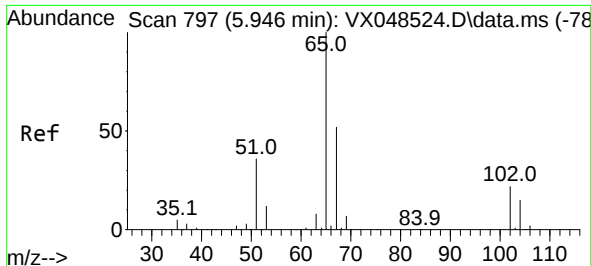
Tgt Ion:	84	Resp:	18055
Ion	Ratio	Lower	Upper
84	100		
49	113.4	91.2	136.8
51	40.4	28.3	42.5
86	63.3	49.4	74.2



#25
2-Butanone
Concen: 4.834 ug/l
RT: 4.556 min Scan# 569
Delta R.T. 0.018 min
Lab File: VX048573.D
Acq: 12 Nov 2025 13:00

Tgt Ion:	43	Resp:	10024
Ion	Ratio	Lower	Upper
43	100		
72	20.7	21.5	32.3#

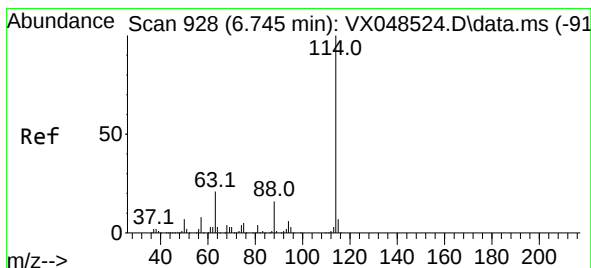
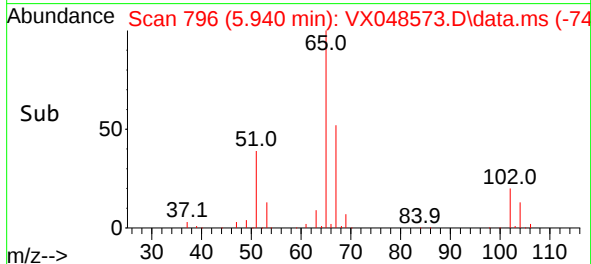
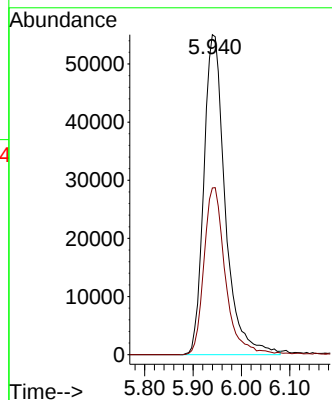
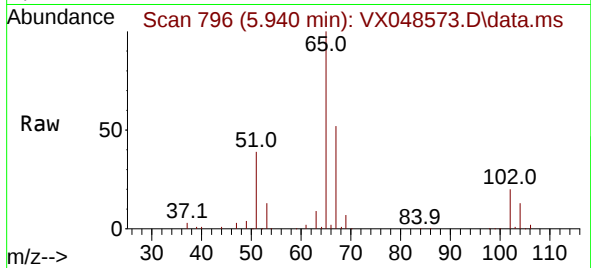




#33
 1,2-Dichloroethane-d4
 Concen: 57.066 ug/l
 RT: 5.940 min Scan# 797
 Delta R.T. -0.006 min
 Lab File: VX048573.D
 Acq: 12 Nov 2025 13:00

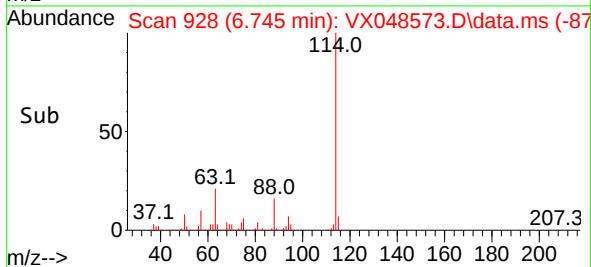
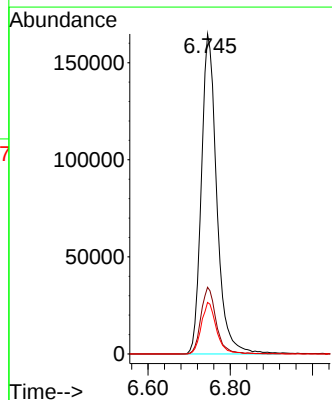
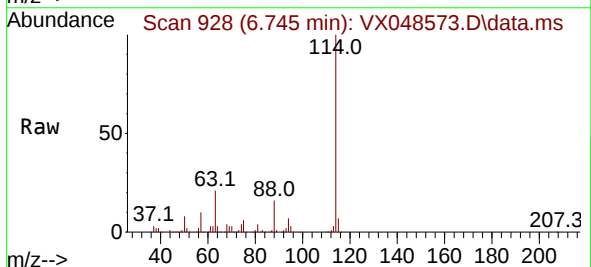
Instrument :
 MSVOA_X
 ClientSampleId :
 S-2

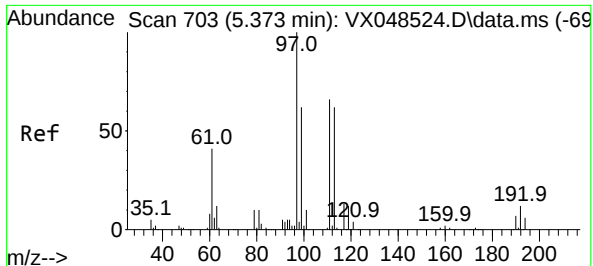
Tgt Ion: 65 Resp: 168989
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. -0.000 min
 Lab File: VX048573.D
 Acq: 12 Nov 2025 13:00

Tgt Ion: 114 Resp: 429611
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 41.2
 88 16.1 0.0 32.2

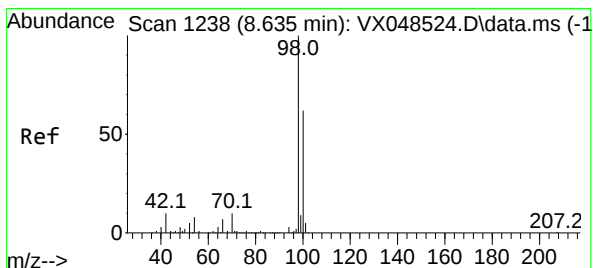
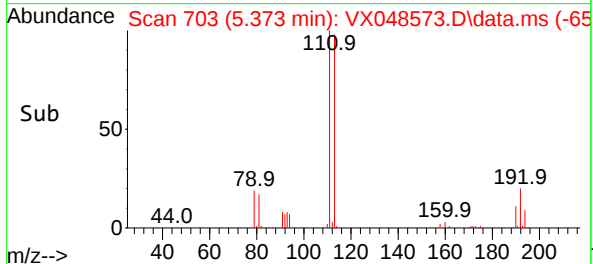
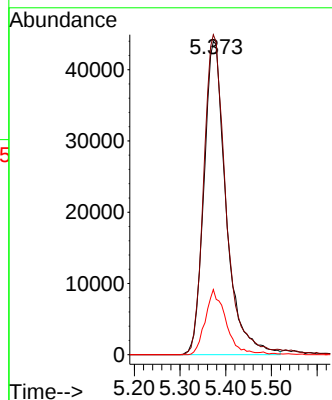
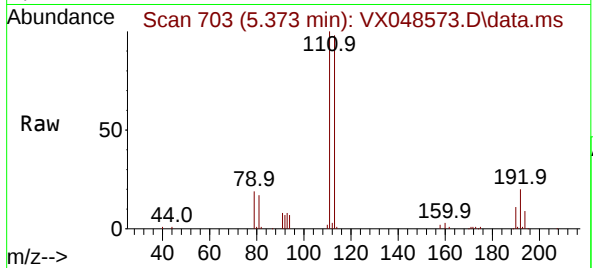




#35
Dibromofluoromethane
Concen: 45.487 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048573.D
Acq: 12 Nov 2025 13:00

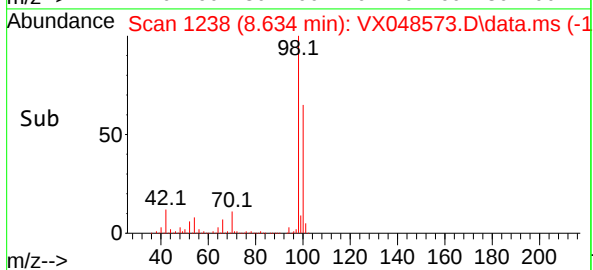
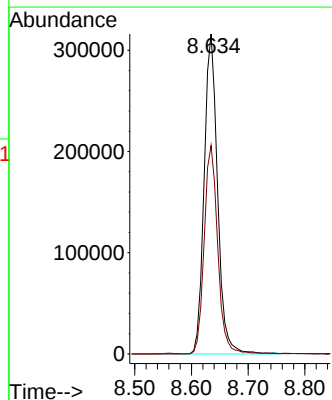
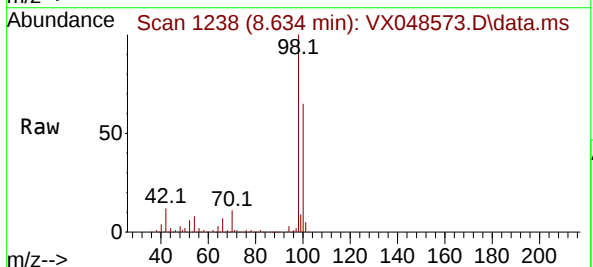
Instrument :
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ClientSampleId :
S-2

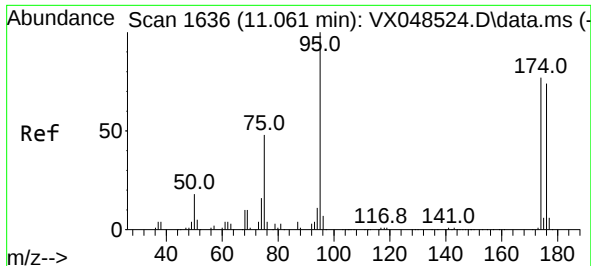
Tgt Ion:113 Resp: 147905
Ion Ratio Lower Upper
113 100
111 101.7 81.9 122.9
192 19.2 15.8 23.6



#50
Toluene-d8
Concen: 51.444 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048573.D
Acq: 12 Nov 2025 13:00

Tgt Ion: 98 Resp: 521695
Ion Ratio Lower Upper
98 100
100 65.7 53.6 80.4





#62

4-Bromofluorobenzene

Concen: 55.415 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048573.D

Acq: 12 Nov 2025 13:00

Instrument :

MSVOA_X

ClientSampleId :

S-2

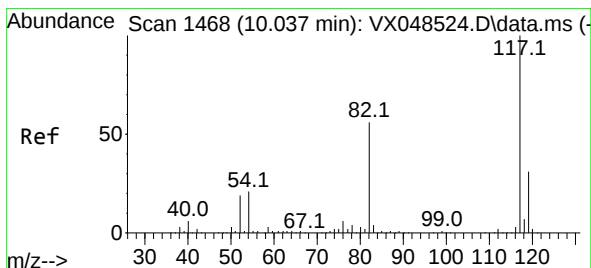
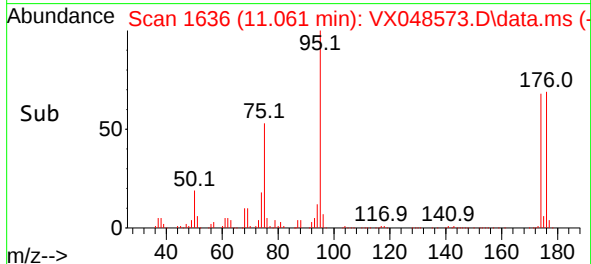
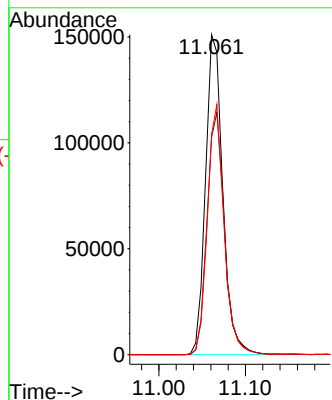
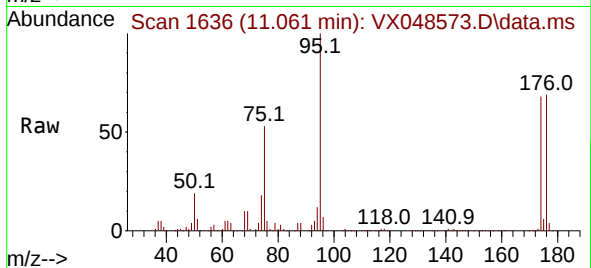
Tgt Ion: 95 Resp: 209428

Ion Ratio Lower Upper

95 100

174 76.7 0.0 161.8

176 75.7 0.0 153.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX048573.D

Acq: 12 Nov 2025 13:00

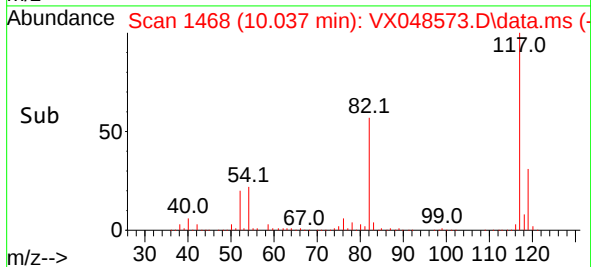
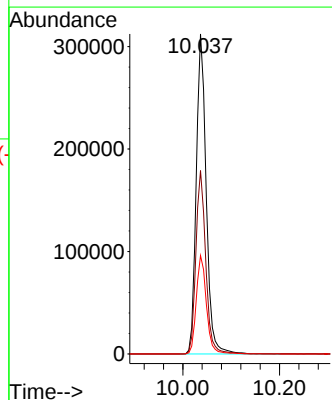
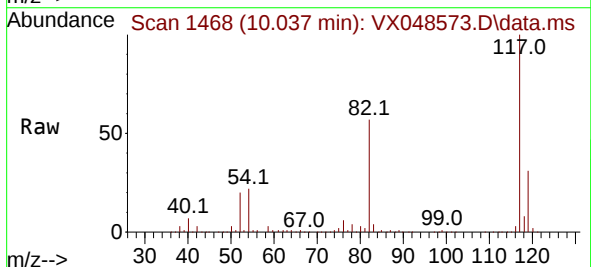
Tgt Ion: 117 Resp: 445317

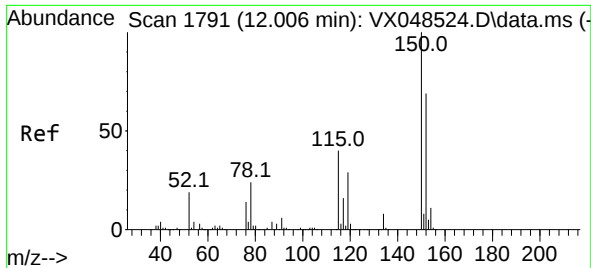
Ion Ratio Lower Upper

117 100

82 57.3 44.4 66.6

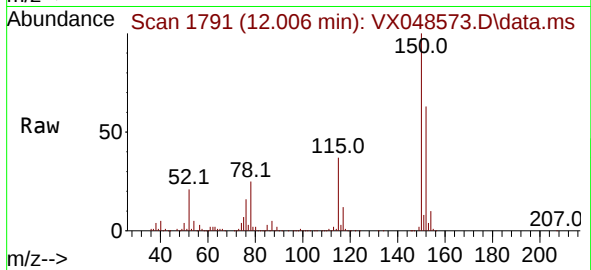
119 30.7 25.1 37.7





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048573.D
 Acq: 12 Nov 2025 13:00

Instrument :
 MSVOA_X
 ClientSampleId :
 S-2



Tgt Ion:152 Resp: 214536
 Ion Ratio Lower Upper
 152 100
 115 59.6 39.2 117.6
 150 157.3 0.0 347.0

