

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX121225\
 Data File : VX048862.D
 Acq On : 12 Dec 2025 17:52
 Operator : JC/MD
 Sample : Q3813-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BR-04DR-451-120825

Quant Time: Dec 12 22:17:04 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	113879	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.745	114	237003	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	261744	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	136774	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	93647	61.269	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	122.540%#
35) Dibromofluoromethane	5.373	113	80851	49.545	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.100%
50) Toluene-d8	8.634	98	269212	47.064	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	94.120%
62) 4-Bromofluorobenzene	11.061	95	117573	59.606	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	119.220%

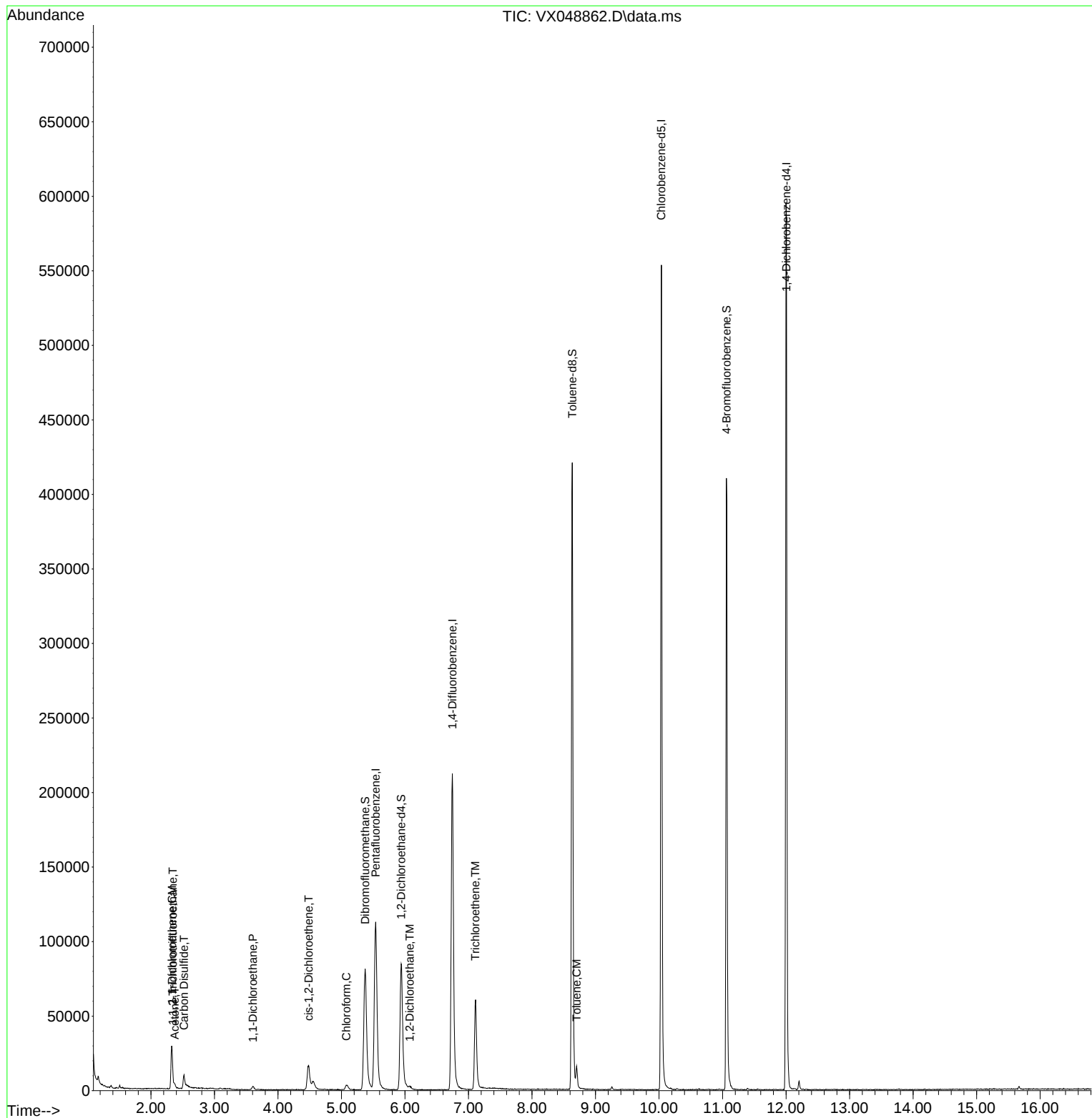
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluo...	2.343	101	1400	1.081	ug/l	97
12) 1,1-Dichloroethene	2.331	96	10542	7.972	ug/l	86
16) Acetone	2.373	43	2724	4.655	ug/l	92
17) Carbon Disulfide	2.520	76	8089	2.106	ug/l	100
24) 1,1-Dichloroethane	3.605	63	3024	1.307	ug/l	# 86
27) cis-1,2-Dichloroethene	4.483	96	12030	7.899	ug/l	95
30) Chloroform	5.074	83	4558	1.838	ug/l	86
42) 1,2-Dichloroethane	6.074	62	2118	0.903	ug/l	80
44) Trichloroethene	7.104	130	25638	14.830	ug/l	99
52) Toluene	8.702	92	5219	1.306	ug/l	97

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

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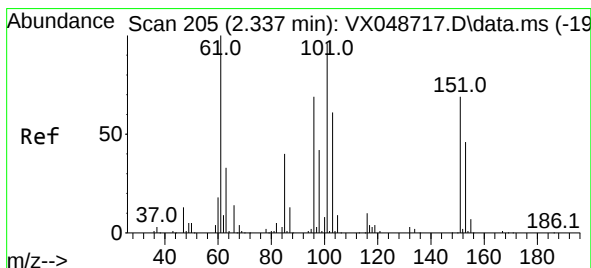
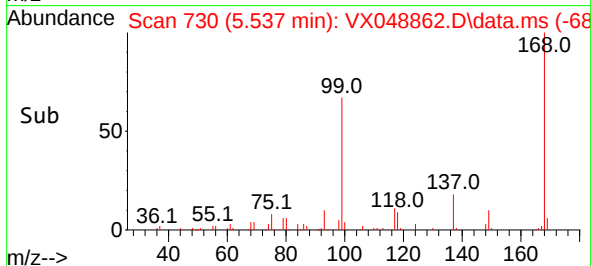
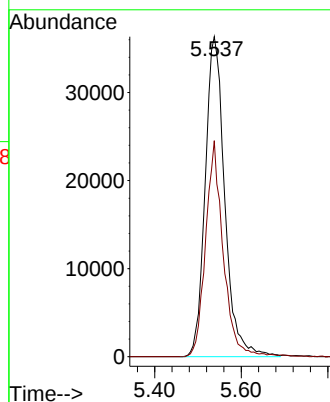
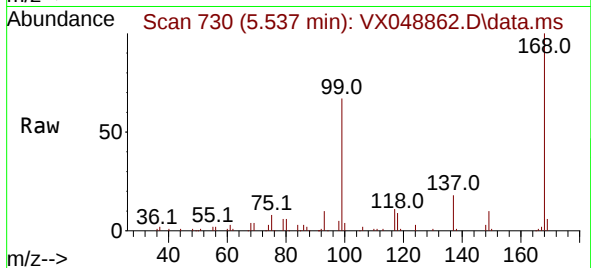




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.001 min
Lab File: VX048862.D
Acq: 12 Dec 2025 17:52

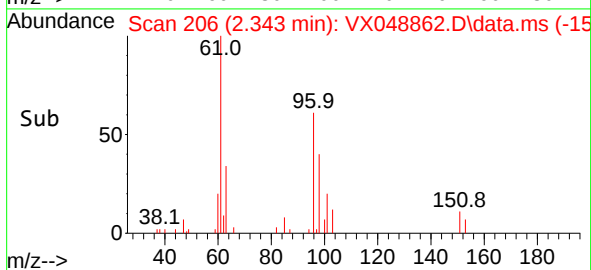
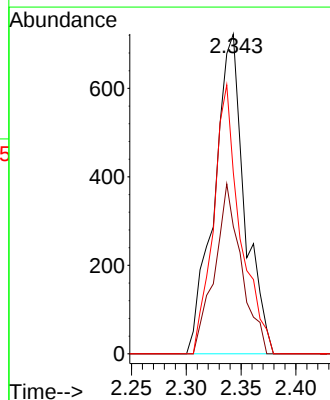
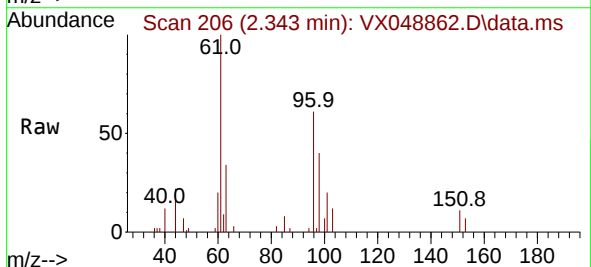
Instrument :
MSVOA_X
ClientSampleId :
BR-04DR-451-120825

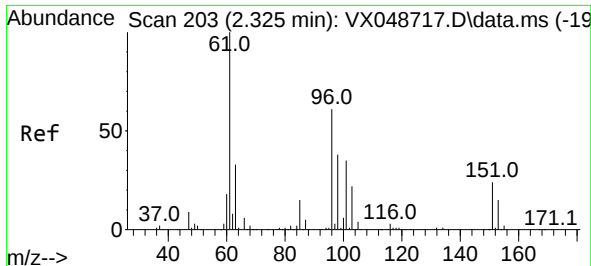
Tgt Ion:168 Resp: 113879
Ion Ratio Lower Upper
168 100
99 67.5 44.2 66.4#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.081 ug/l
RT: 2.343 min Scan# 206
Delta R.T. 0.006 min
Lab File: VX048862.D
Acq: 12 Dec 2025 17:52

Tgt Ion:101 Resp: 1400
Ion Ratio Lower Upper
101 100
85 46.9 34.2 51.2
151 74.1 60.2 90.4





#12

1,1-Dichloroethene

Concen: 7.972 ug/l

RT: 2.331 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX048862.D

Acq: 12 Dec 2025 17:52

Instrument :

MSVOA_X

ClientSampleId :

BR-04DR-451-120825

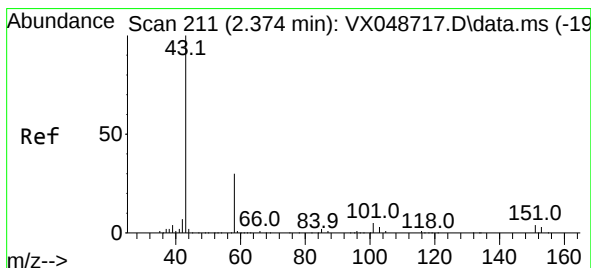
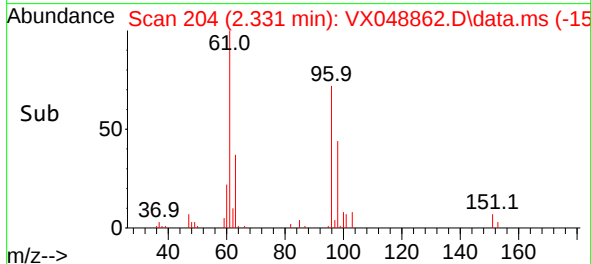
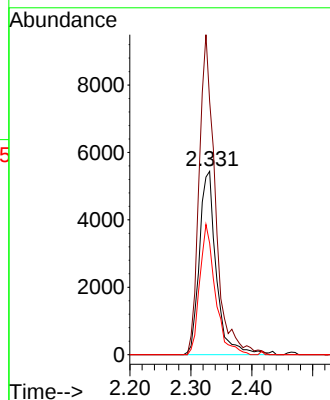
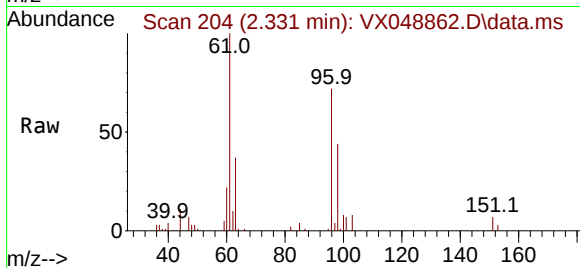
Tgt Ion: 96 Resp: 10542

Ion Ratio Lower Upper

96 100

61 138.1 130.7 196.1

98 60.8 49.8 74.8



#16

Acetone

Concen: 4.655 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX048862.D

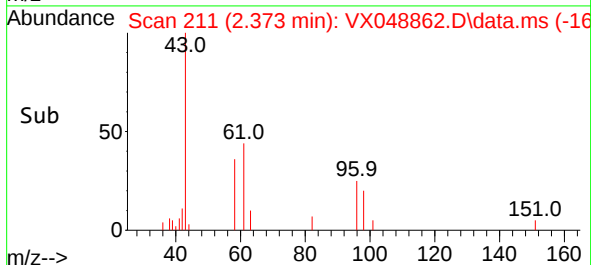
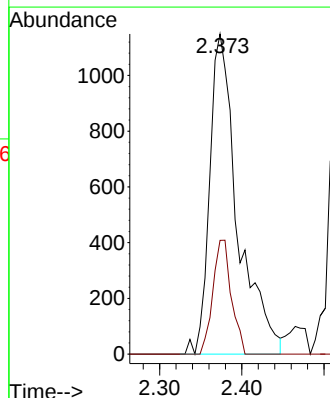
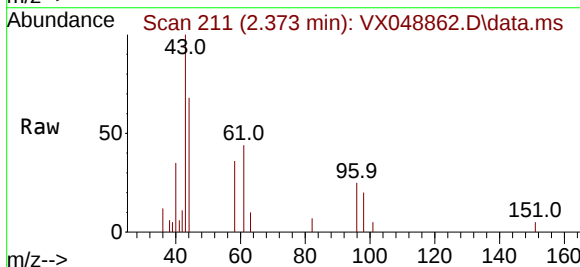
Acq: 12 Dec 2025 17:52

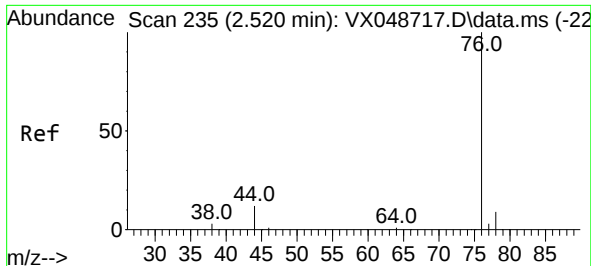
Tgt Ion: 43 Resp: 2724

Ion Ratio Lower Upper

43 100

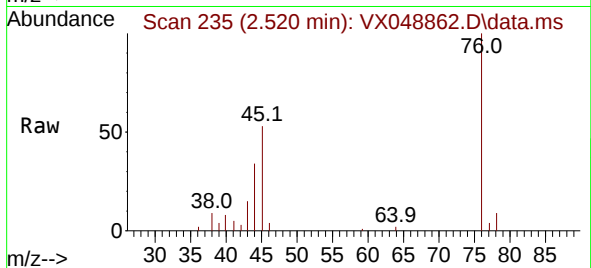
58 35.5 25.0 37.4



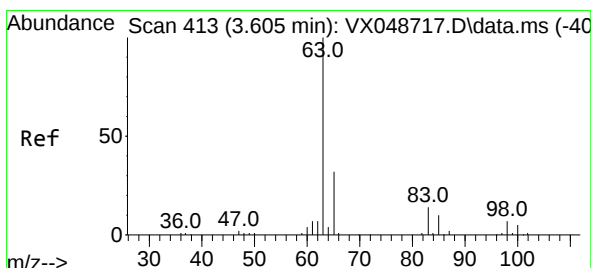
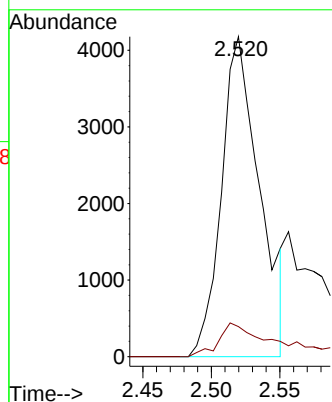
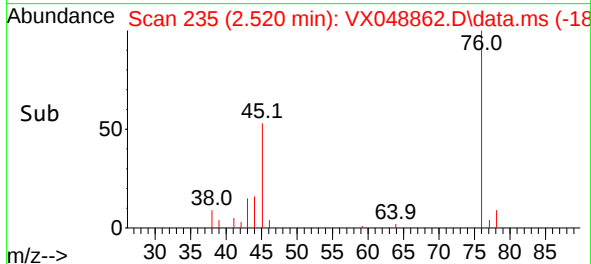


#17
Carbon Disulfide
Concen: 2.106 ug/l
RT: 2.520 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX048862.D
Acq: 12 Dec 2025 17:52

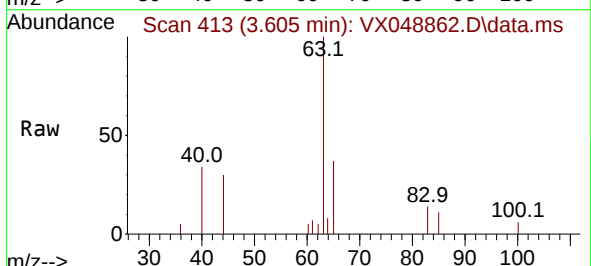
Instrument :
MSVOA_X
ClientSampleId :
BR-04DR-451-120825



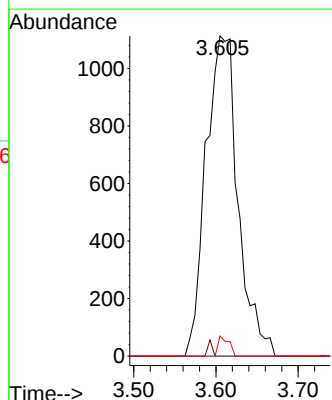
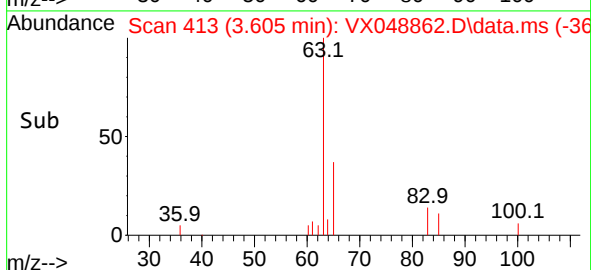
Tgt Ion: 76 Resp: 8089
Ion Ratio Lower Upper
76 100
78 9.4 7.4 11.2

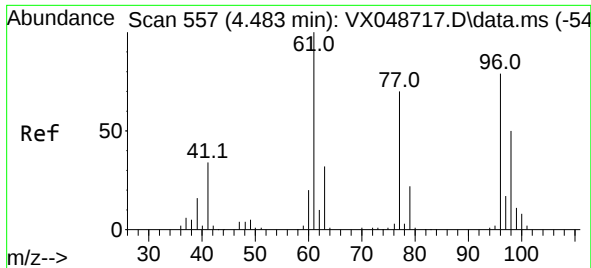


#24
1,1-Dichloroethane
Concen: 1.307 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX048862.D
Acq: 12 Dec 2025 17:52



Tgt Ion: 63 Resp: 3024
Ion Ratio Lower Upper
63 100
98 0.0 3.5 10.6#
100 6.3 2.5 7.4

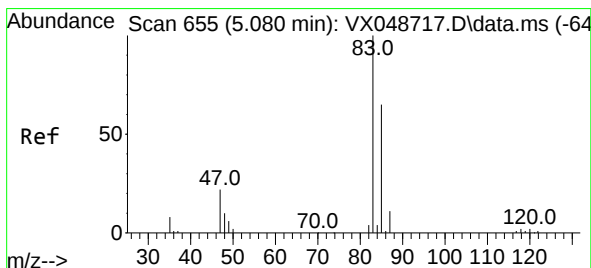
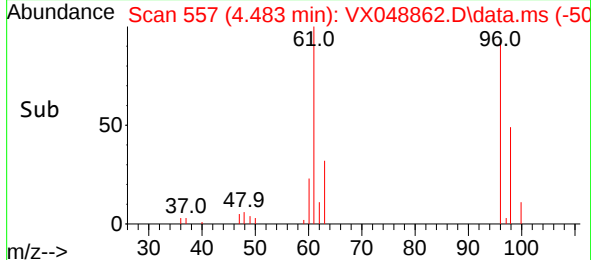
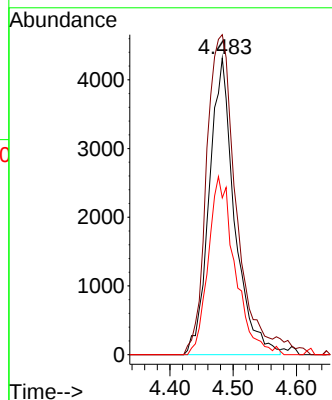
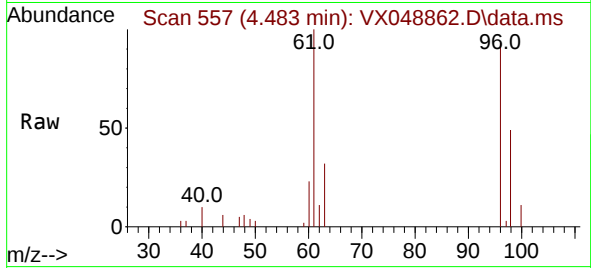




#27
 cis-1,2-Dichloroethene
 Concen: 7.899 ug/l
 RT: 4.483 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX048862.D
 Acq: 12 Dec 2025 17:52

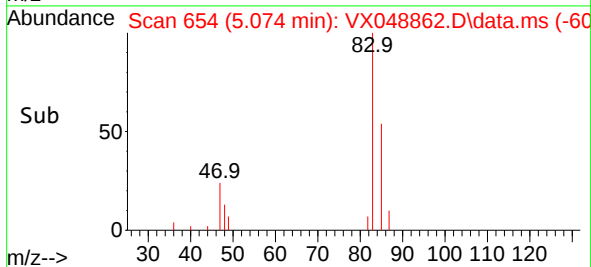
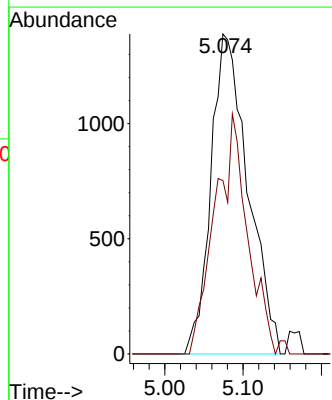
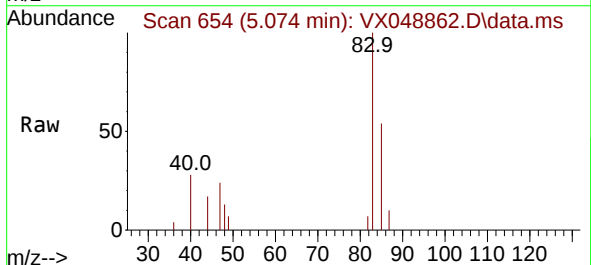
Instrument :
 MSVOA_X
 ClientSampleId :
 BR-04DR-451-120825

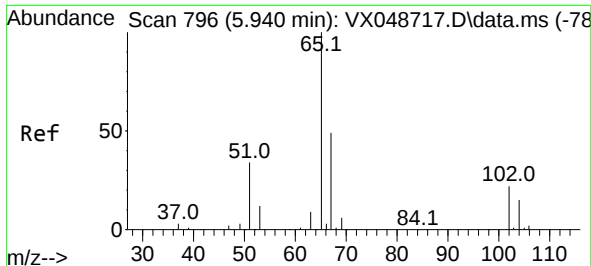
Tgt Ion: 96	Resp: 12030
Ion Ratio	Lower Upper
96 100	
61 128.3	0.0 271.0
98 63.4	0.0 130.2



#30
 Chloroform
 Concen: 1.838 ug/l
 RT: 5.074 min Scan# 654
 Delta R.T. -0.006 min
 Lab File: VX048862.D
 Acq: 12 Dec 2025 17:52

Tgt Ion: 83	Resp: 4558
Ion Ratio	Lower Upper
83 100	
85 54.2	52.1 78.1





#33

1,2-Dichloroethane-d4

Concen: 61.269 ug/l

RT: 5.940 min Scan# 796

Delta R.T. -0.000 min

Lab File: VX048862.D

Acq: 12 Dec 2025 17:52

Instrument :

MSVOA_X

ClientSampleId :

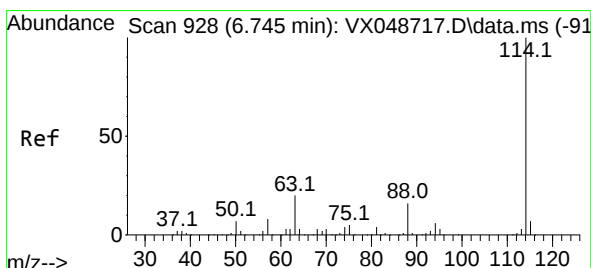
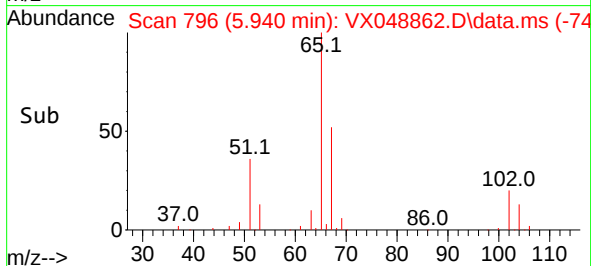
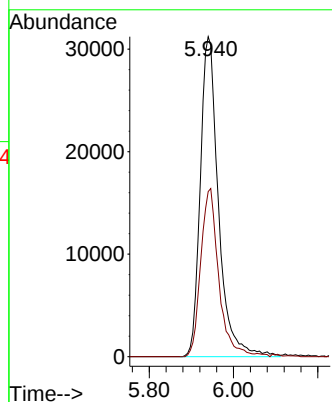
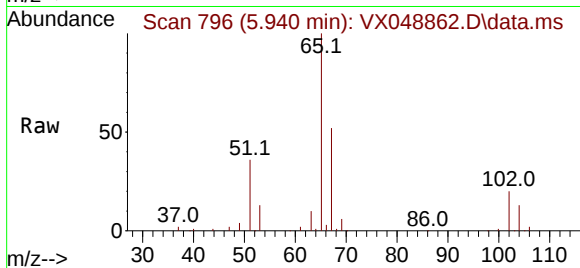
BR-04DR-451-120825

Tgt Ion: 65 Resp: 93647

Ion Ratio Lower Upper

65 100

67 51.9 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048862.D

Acq: 12 Dec 2025 17:52

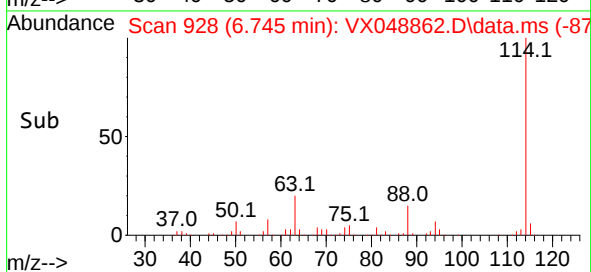
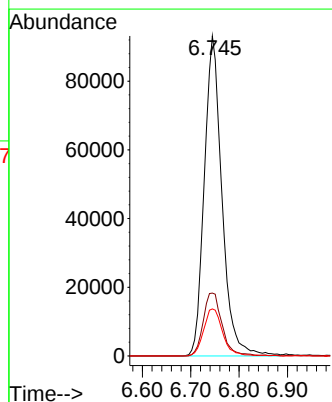
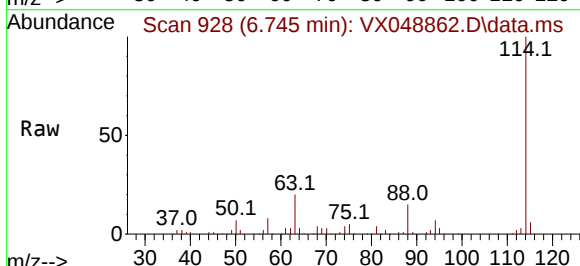
Tgt Ion: 114 Resp: 237003

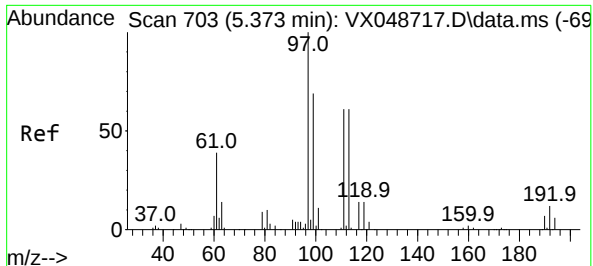
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.0

88 14.7 0.0 31.8

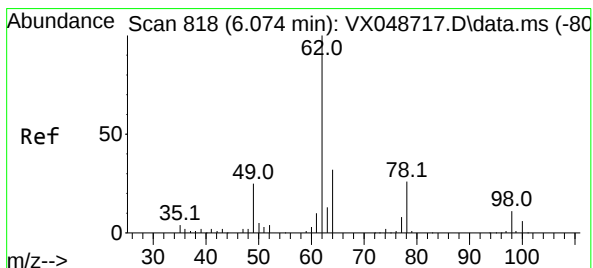
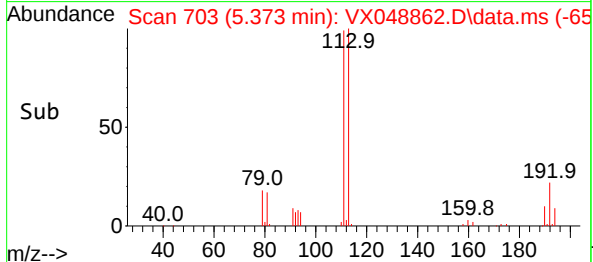
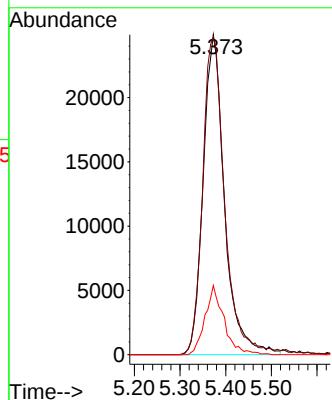
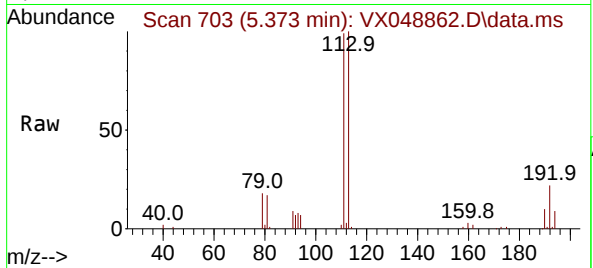




#35
Dibromofluoromethane
Concen: 49.545 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048862.D
Acq: 12 Dec 2025 17:52

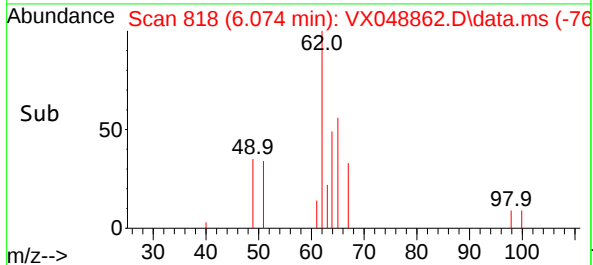
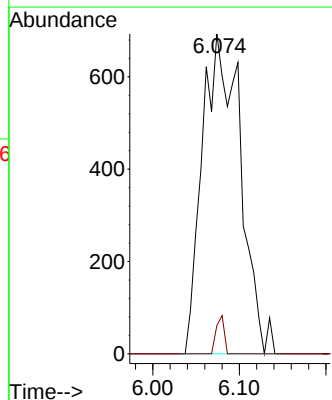
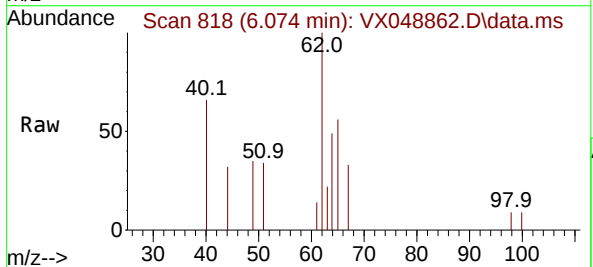
Instrument :
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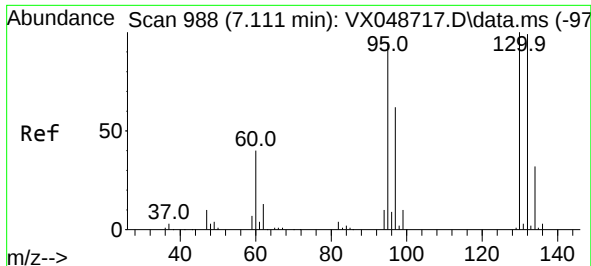
Tgt Ion:113 Resp: 80851
Ion Ratio Lower Upper
113 100
111 103.2 79.5 119.3
192 19.2 16.1 24.1



#42
1,2-Dichloroethane
Concen: 0.903 ug/l
RT: 6.074 min Scan# 818
Delta R.T. -0.000 min
Lab File: VX048862.D
Acq: 12 Dec 2025 17:52

Tgt Ion: 62 Resp: 2118
Ion Ratio Lower Upper
62 100
98 2.5 0.0 20.2

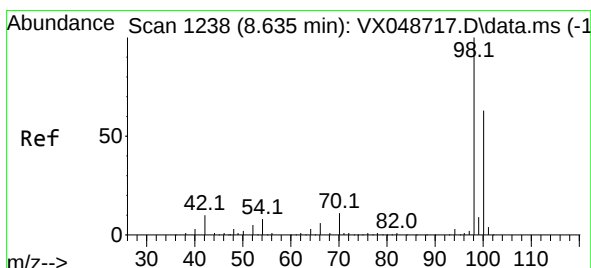
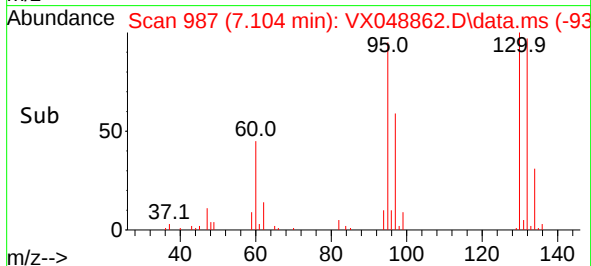
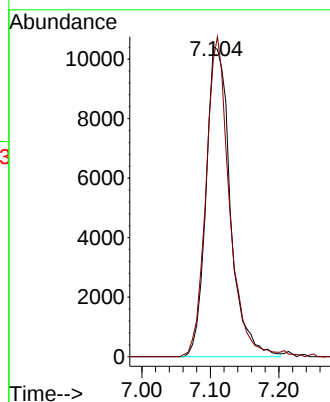
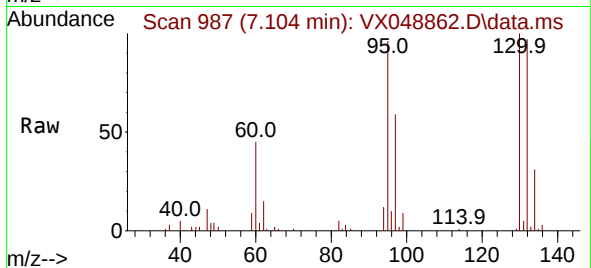




#44
Trichloroethene
Concen: 14.830 ug/l
RT: 7.104 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX048862.D
Acq: 12 Dec 2025 17:52

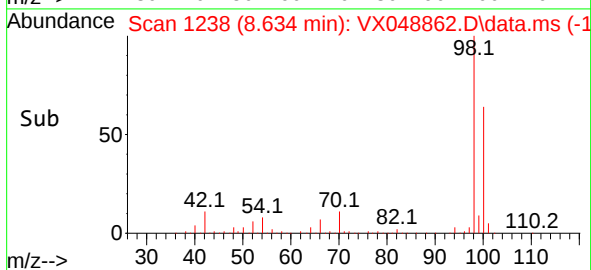
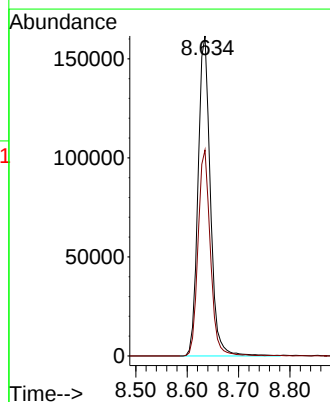
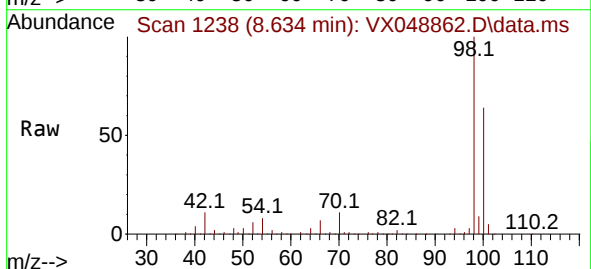
Instrument :
MSVOA_X
ClientSampleId :
BR-04DR-451-120825

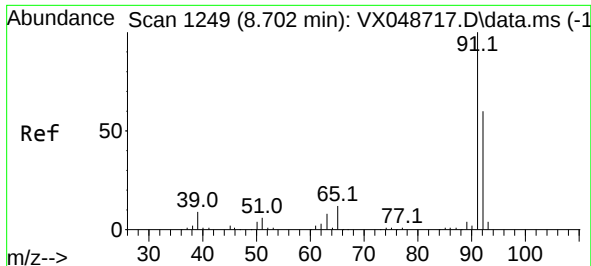
Tgt Ion:130 Resp: 25638
Ion Ratio Lower Upper
130 100
95 95.9 0.0 189.6



#50
Toluene-d8
Concen: 47.064 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048862.D
Acq: 12 Dec 2025 17:52

Tgt Ion: 98 Resp: 269212
Ion Ratio Lower Upper
98 100
100 64.2 53.4 80.0

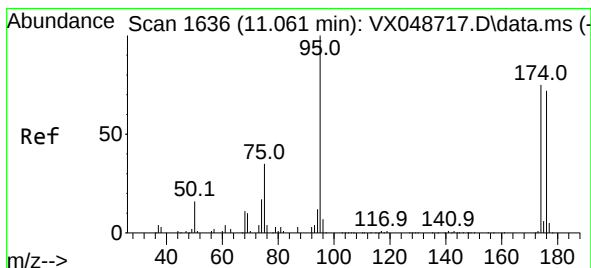
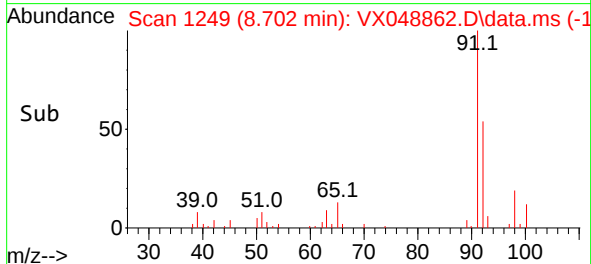
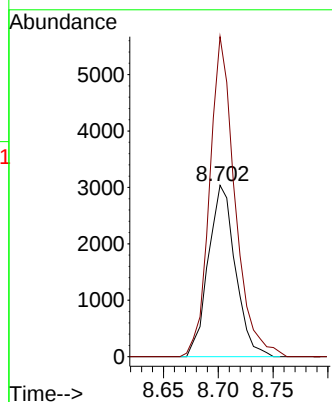
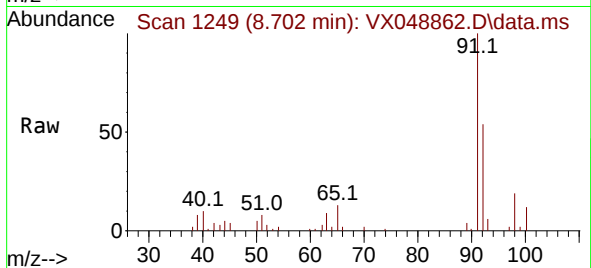




#52
Toluene
Concen: 1.306 ug/l
RT: 8.702 min Scan# 1249
Delta R.T. -0.000 min
Lab File: VX048862.D
Acq: 12 Dec 2025 17:52

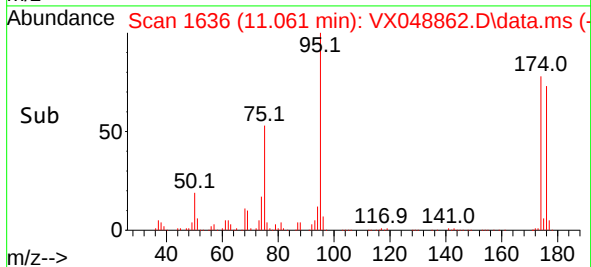
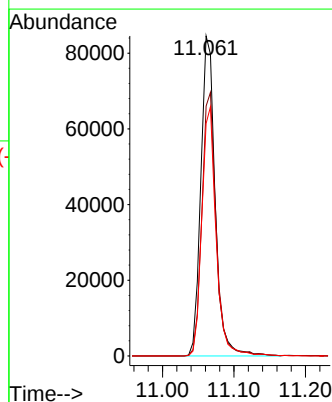
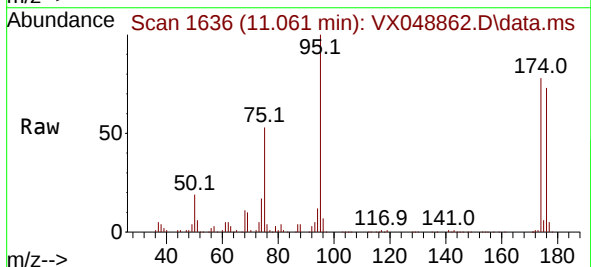
Instrument :
MSVOA_X
ClientSampleId :
BR-04DR-451-120825

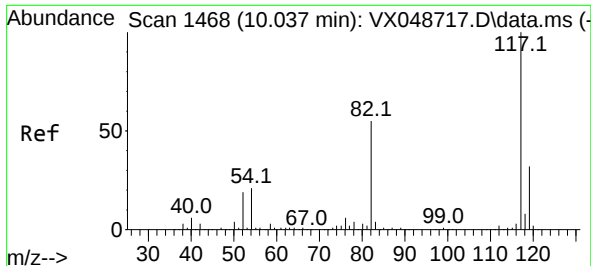
Tgt Ion: 92 Resp: 5219
Ion Ratio Lower Upper
92 100
91 175.1 136.3 204.5



#62
4-Bromofluorobenzene
Concen: 59.606 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048862.D
Acq: 12 Dec 2025 17:52

Tgt Ion: 95 Resp: 117573
Ion Ratio Lower Upper
95 100
174 82.8 0.0 157.8
176 77.6 0.0 154.0

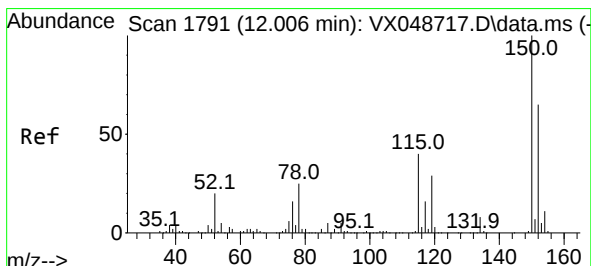
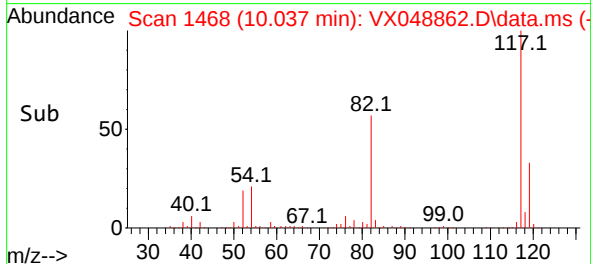
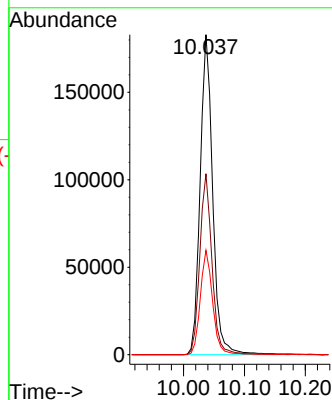
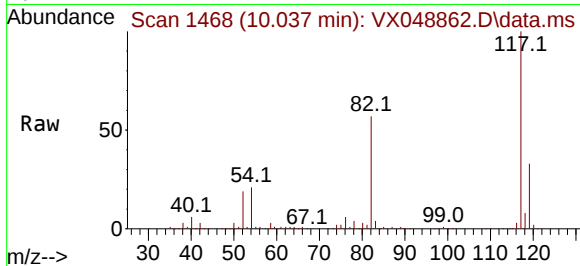




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048862.D
Acq: 12 Dec 2025 17:52

Instrument :
MSVOA_X
ClientSampleId :
BR-04DR-451-120825

Tgt Ion:117 Resp: 261744
Ion Ratio Lower Upper
117 100
82 56.5 44.1 66.1
119 32.6 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048862.D
Acq: 12 Dec 2025 17:52

Tgt Ion:152 Resp: 136774
Ion Ratio Lower Upper
152 100
115 58.7 42.1 126.4
150 156.8 0.0 347.8

