

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082925\
 Data File : VX047564.D
 Acq On : 29 Aug 2025 12:42
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Aug 29 23:53:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X082825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 29 02:31:18 2025
 Response via : Initial Calibration

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

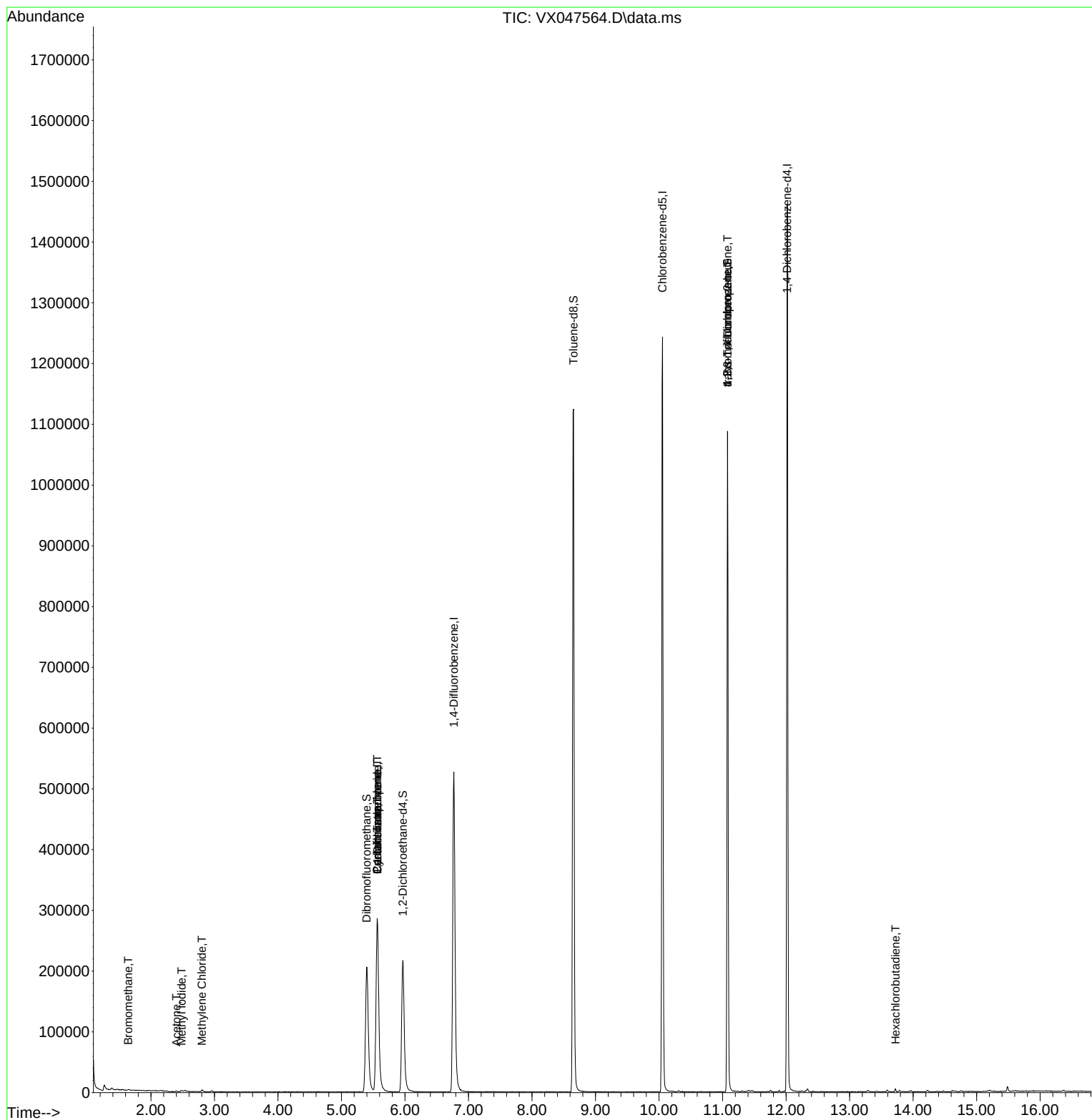
Internal Standards						
1) Pentafluorobenzene	5.562	168	284261	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	570660	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	562526	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	283455	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	229282	52.524	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.040%			
35) Dibromofluoromethane	5.397	113	196503	50.171	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.340%			
50) Toluene-d8	8.653	98	697476	50.805	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.600%			
62) 4-Bromofluorobenzene	11.079	95	286515	55.553	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.100%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.642	94	724	0.419	ug/l	84
10) Methyl Iodide	2.483	142	3748	0.669	ug/l #	92
16) Acetone	2.398	43	1889	1.093	ug/l #	77
20) Methylene Chloride	2.800	84	1076	0.245	ug/l	92
31) Cyclohexane	5.562	56	5739	0.935	ug/l #	8
36) 1,1-Dichloropropene	5.562	75	23717	4.255	ug/l #	51
38) Carbon Tetrachloride	5.562	117	30297	4.899	ug/l #	17
76) 1,2,3-Trichloropropane	11.079	75	149034	29.459	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	149034	104.090	ug/l #	7
94) Hexachlorobutadiene	13.725	225	694	0.336	ug/l	90

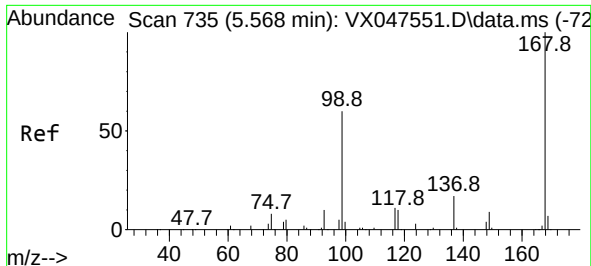
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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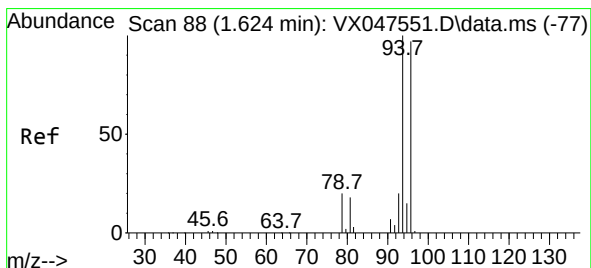
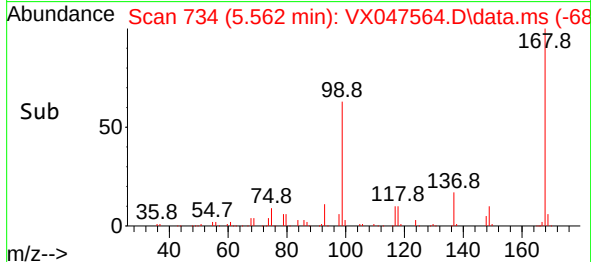
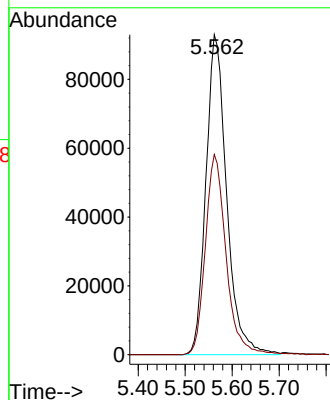
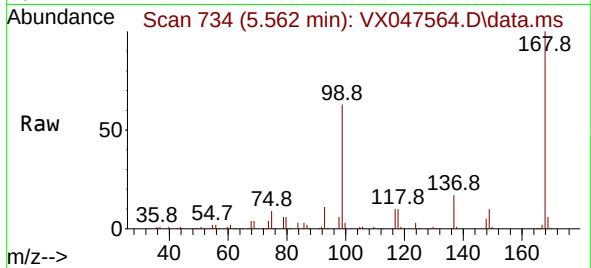




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047564.D
Acq: 29 Aug 2025 12:42

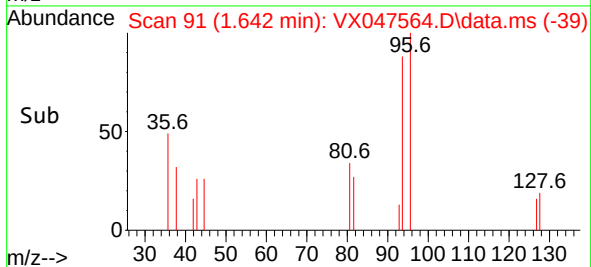
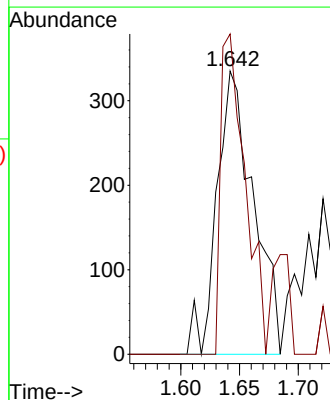
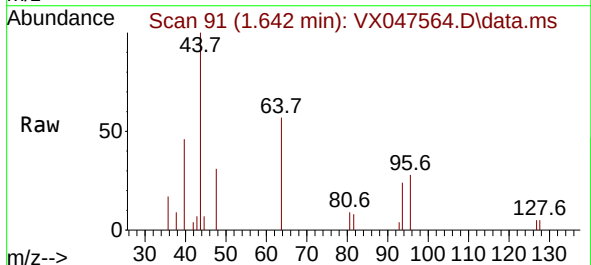
Instrument :
MSVOA_X
ClientSampleId :
IBLK

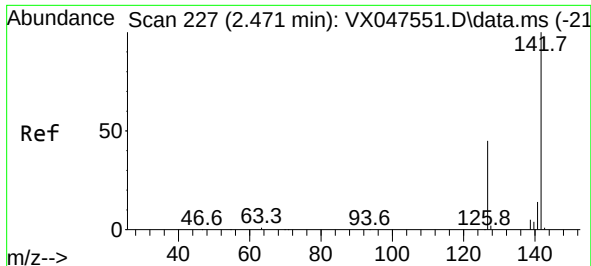
Tgt Ion:168 Resp: 284261
Ion Ratio Lower Upper
168 100
99 62.5 48.9 73.3



#5
Bromomethane
Concen: 0.419 ug/l
RT: 1.642 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX047564.D
Acq: 29 Aug 2025 12:42

Tgt Ion: 94 Resp: 724
Ion Ratio Lower Upper
94 100
96 113.1 77.7 116.5

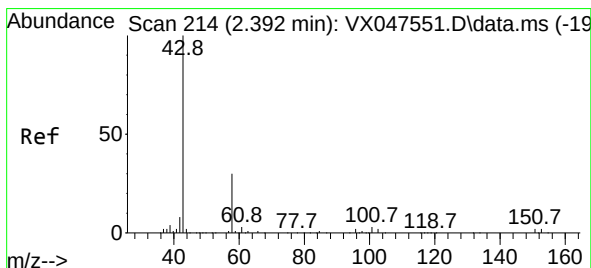
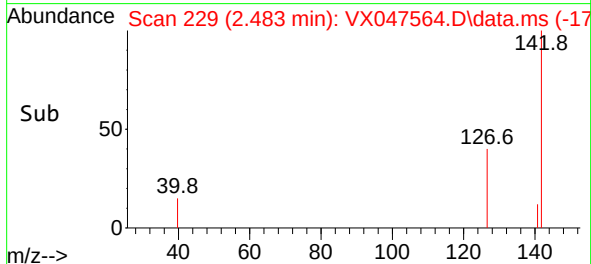
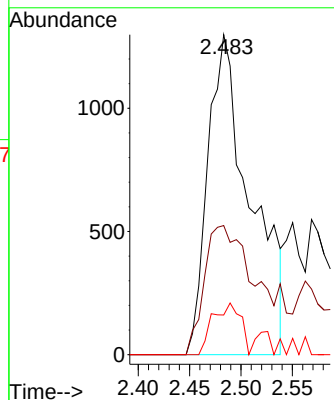
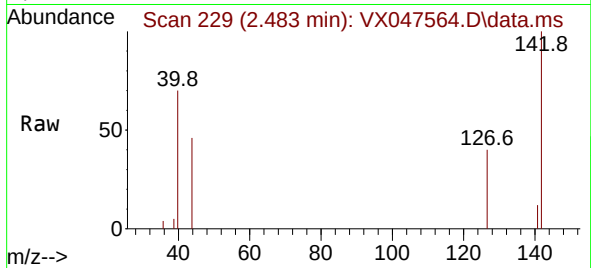




#10
Methyl Iodide
Concen: 0.669 ug/l
RT: 2.483 min Scan# 215
Delta R.T. 0.012 min
Lab File: VX047564.D
Acq: 29 Aug 2025 12:42

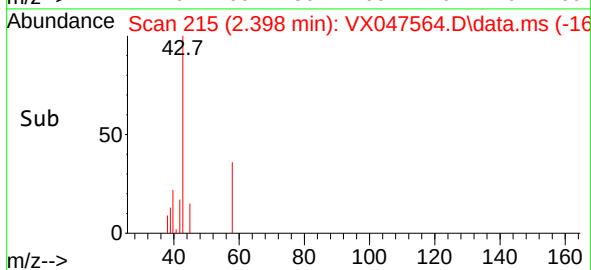
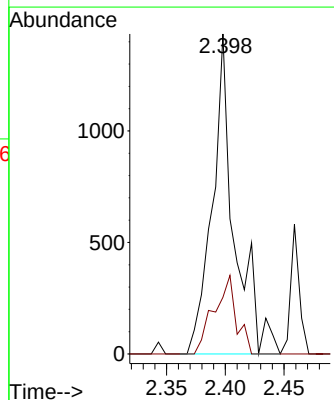
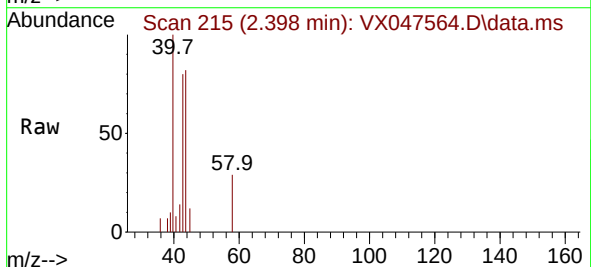
Instrument :
MSVOA_X
ClientSampleId :
IBLK

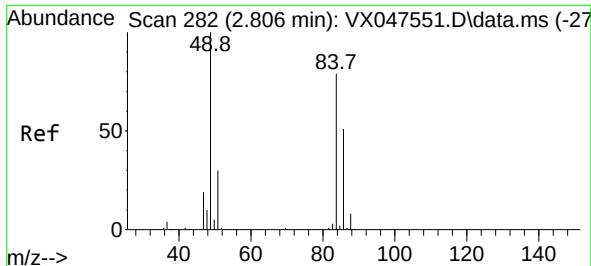
Tgt Ion:142 Resp: 3748
Ion Ratio Lower Upper
142 100
127 52.9 37.6 56.4
141 10.5 10.6 16.0#



#16
Acetone
Concen: 1.093 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX047564.D
Acq: 29 Aug 2025 12:42

Tgt Ion: 43 Resp: 1889
Ion Ratio Lower Upper
43 100
58 17.7 24.2 36.2#

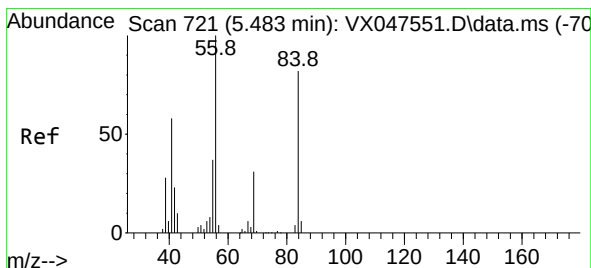
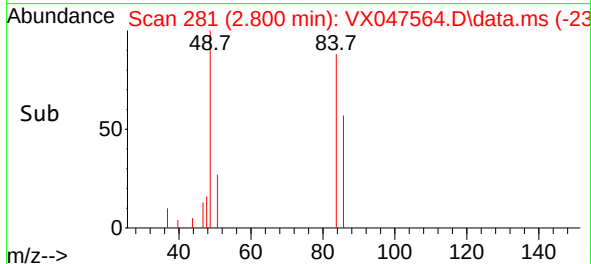
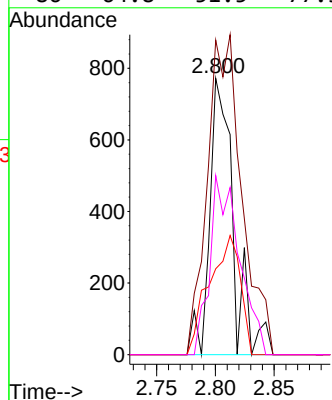
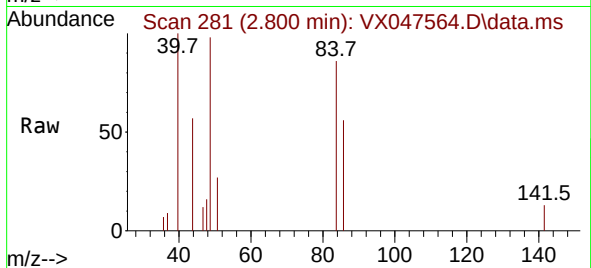




#20
Methylene Chloride
Concen: 0.245 ug/l
RT: 2.800 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047564.D
Acq: 29 Aug 2025 12:42

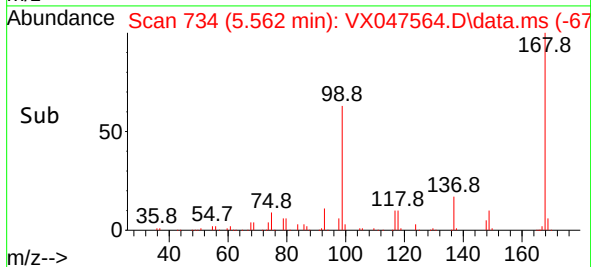
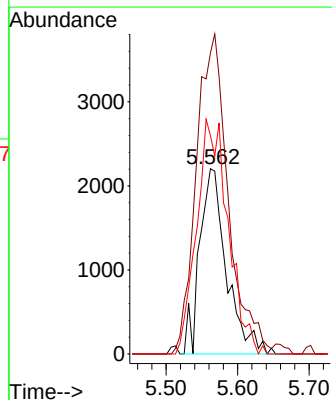
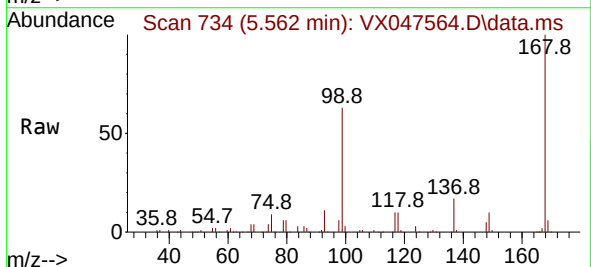
Instrument :
MSVOA_X
ClientSampleId :
IBLK

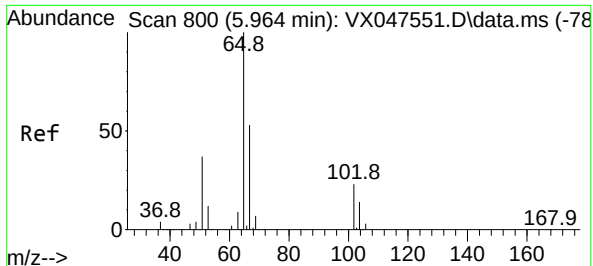
Tgt Ion:	84	Resp:	1076
Ion	Ratio	Lower	Upper
84	100		
49	113.9	101.4	152.2
51	31.1	30.6	46.0
86	64.8	51.5	77.3



#31
Cyclohexane
Concen: 0.935 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.079 min
Lab File: VX047564.D
Acq: 29 Aug 2025 12:42

Tgt Ion:	56	Resp:	5739
Ion	Ratio	Lower	Upper
56	100		
69	157.3	24.2	36.2#
84	117.8	65.5	98.3#





#33

1,2-Dichloroethane-d4

Concen: 52.524 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.000 min

Lab File: VX047564.D

Acq: 29 Aug 2025 12:42

Instrument :

MSVOA_X

ClientSampleId :

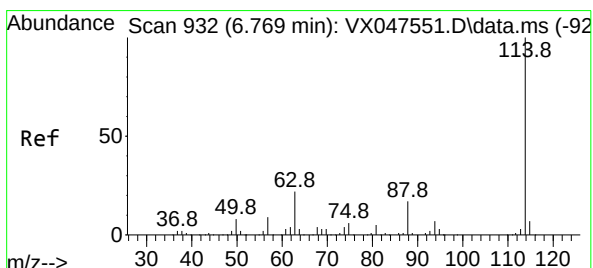
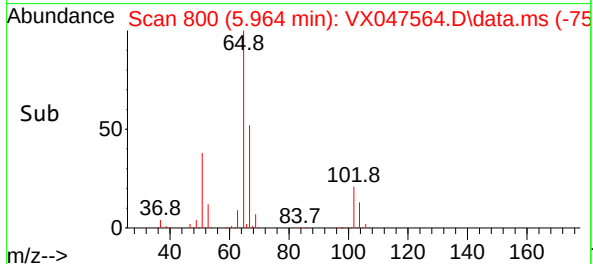
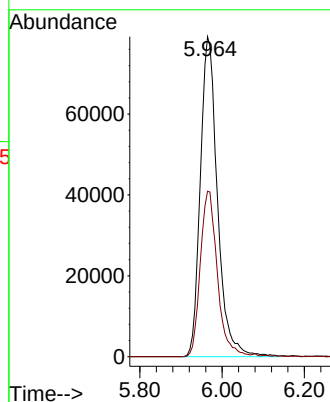
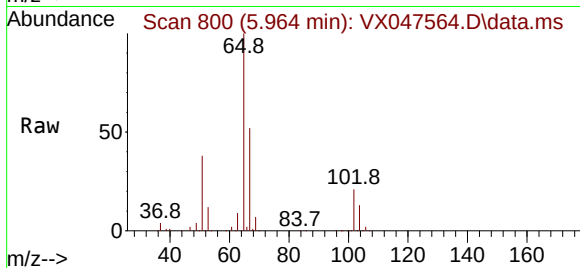
IBLK

Tgt Ion: 65 Resp: 229282

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.000 min

Lab File: VX047564.D

Acq: 29 Aug 2025 12:42

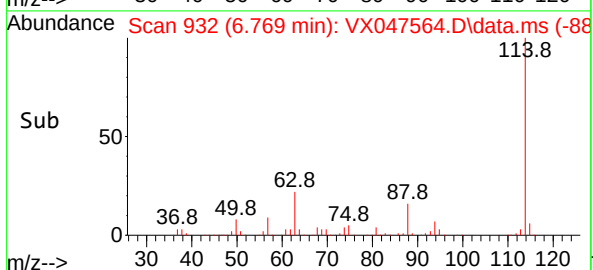
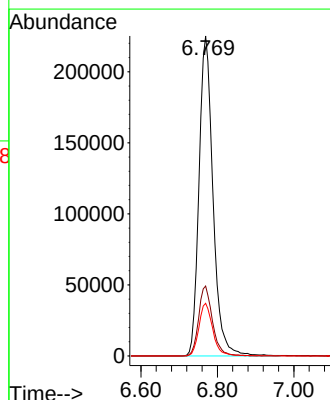
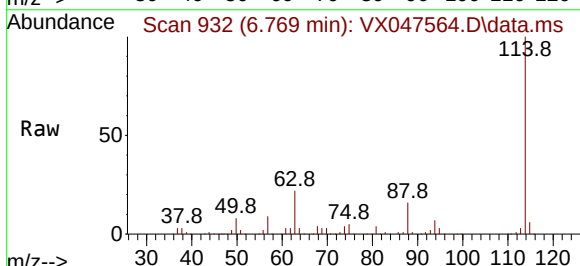
Tgt Ion: 114 Resp: 570660

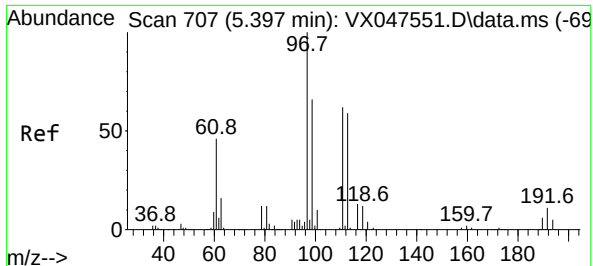
Ion Ratio Lower Upper

114 100

63 21.8 0.0 43.6

88 16.5 0.0 33.2

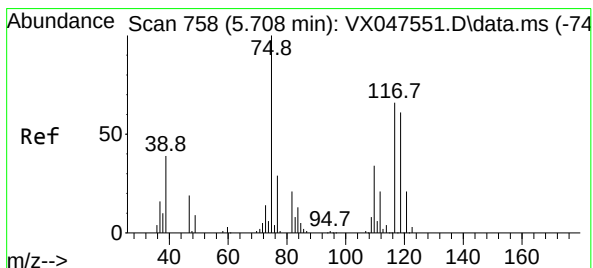
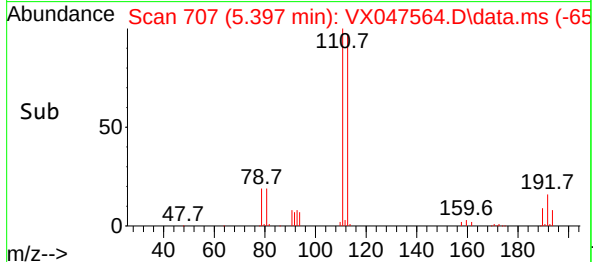
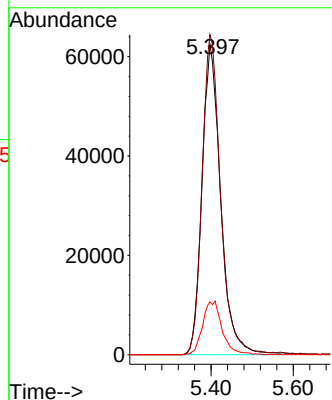
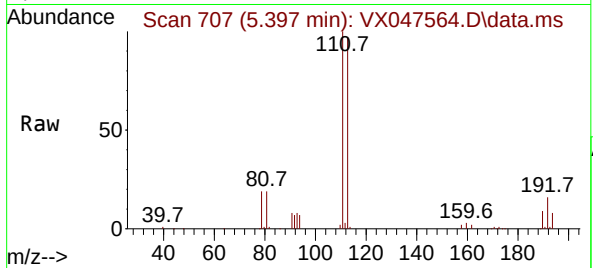




#35
Dibromofluoromethane
Concen: 50.171 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX047564.D
Acq: 29 Aug 2025 12:42

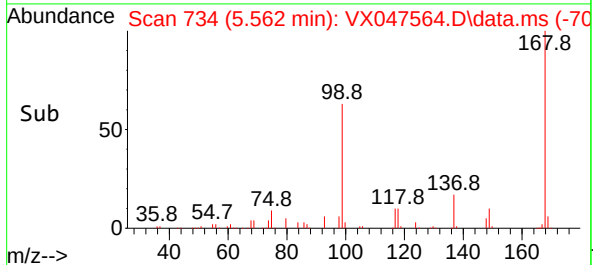
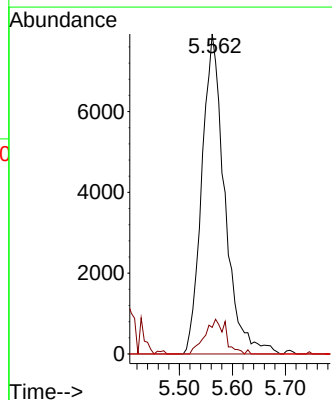
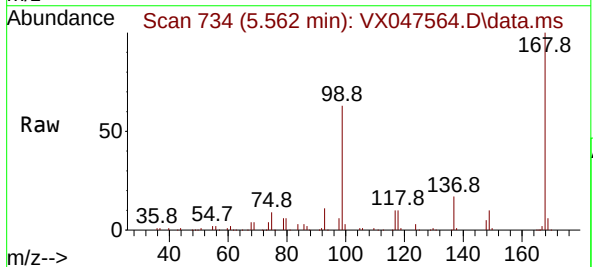
Instrument :
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IBLK

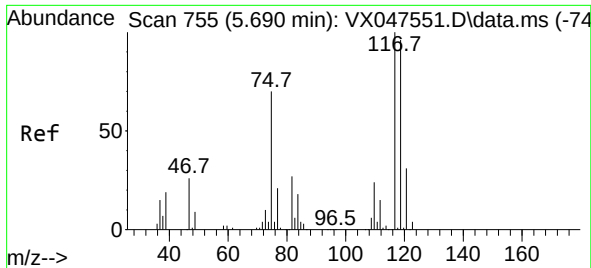
Tgt Ion:113 Resp: 196503
Ion Ratio Lower Upper
113 100
111 102.3 81.2 121.8
192 18.1 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.255 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.146 min
Lab File: VX047564.D
Acq: 29 Aug 2025 12:42

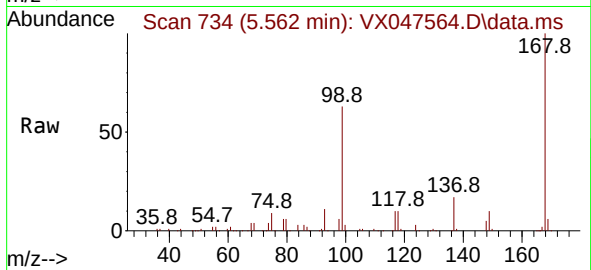
Tgt Ion: 75 Resp: 23717
Ion Ratio Lower Upper
75 100
110 9.8 17.1 51.3#
77 0.0 25.0 37.6#



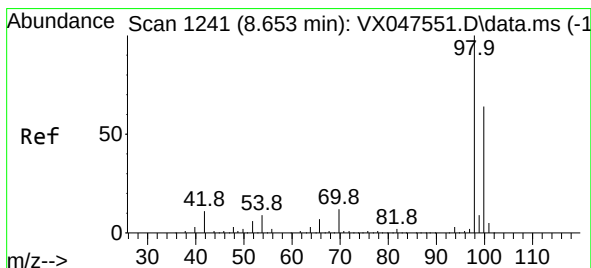
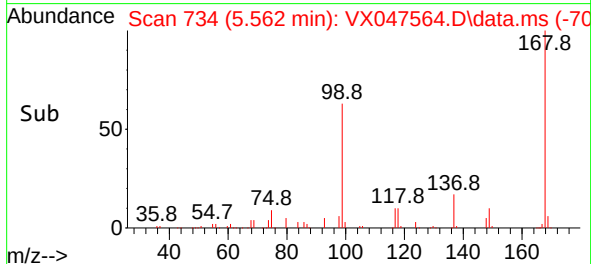
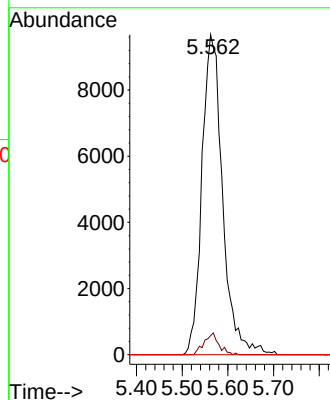


#38
Carbon Tetrachloride
Concen: 4.899 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047564.D
Acq: 29 Aug 2025 12:42

Instrument :
MSVOA_X
ClientSampleId :
IBLK

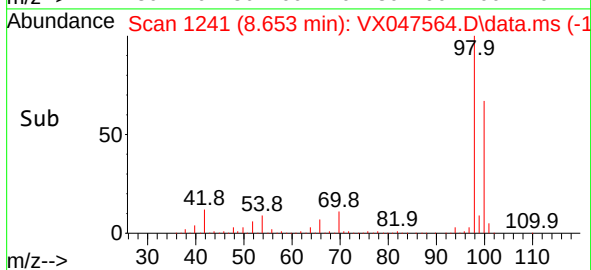
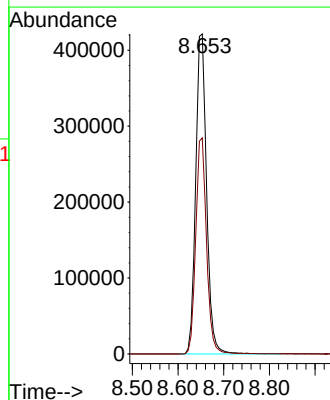
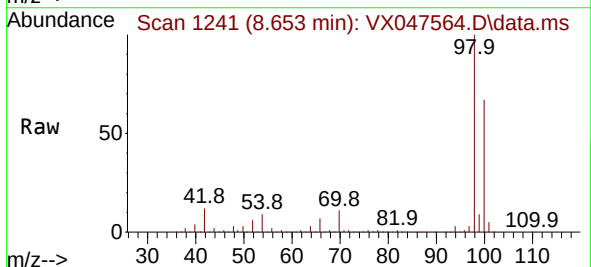


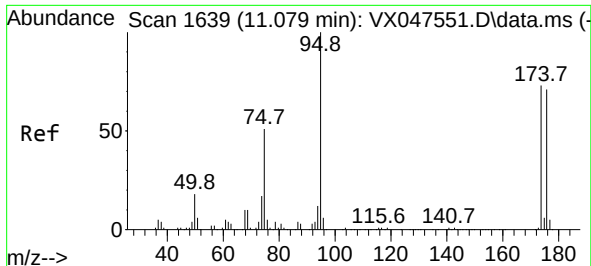
Tgt Ion:117 Resp: 30297
Ion Ratio Lower Upper
117 100
119 5.9 76.4 114.6#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 50.805 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX047564.D
Acq: 29 Aug 2025 12:42

Tgt Ion: 98 Resp: 697476
Ion Ratio Lower Upper
98 100
100 66.8 53.5 80.3





#62

4-Bromofluorobenzene

Concen: 55.553 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX047564.D

Acq: 29 Aug 2025 12:42

Instrument :

MSVOA_X

ClientSampleId :

IBLK

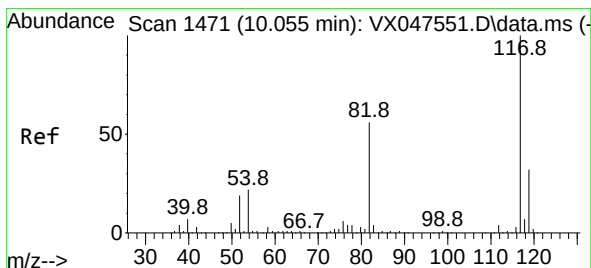
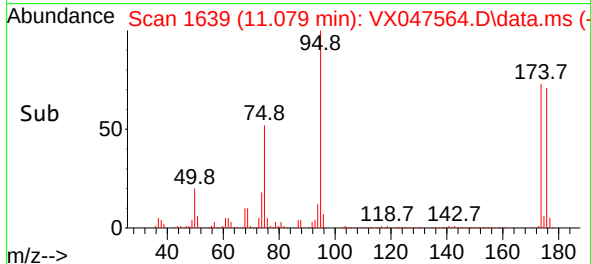
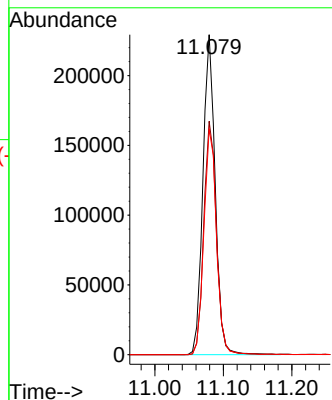
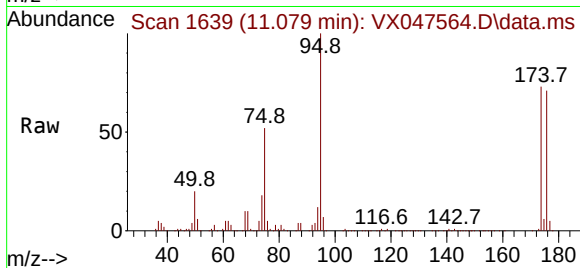
Tgt Ion: 95 Resp: 286515

Ion Ratio Lower Upper

95 100

174 75.0 0.0 145.2

176 72.2 0.0 140.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX047564.D

Acq: 29 Aug 2025 12:42

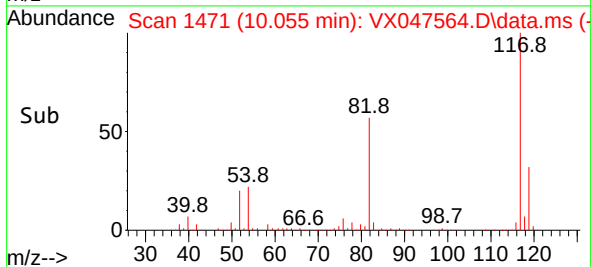
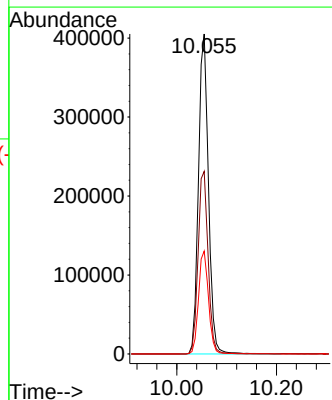
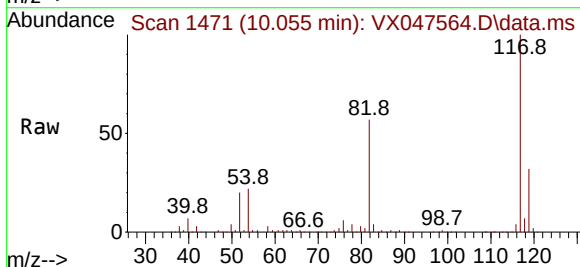
Tgt Ion: 117 Resp: 562526

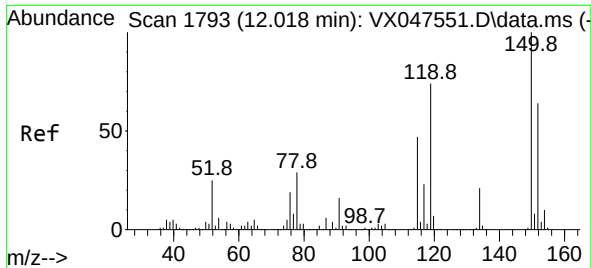
Ion Ratio Lower Upper

117 100

82 57.1 44.6 66.8

119 32.1 25.7 38.5

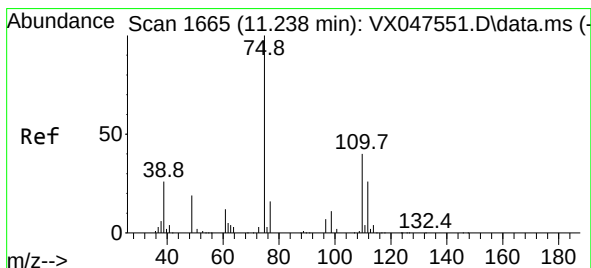
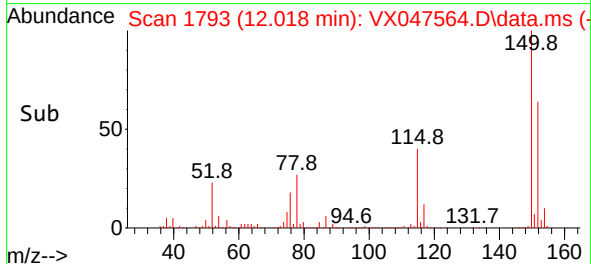
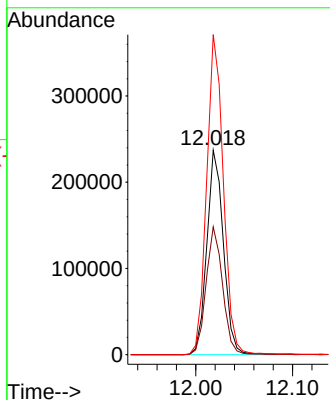
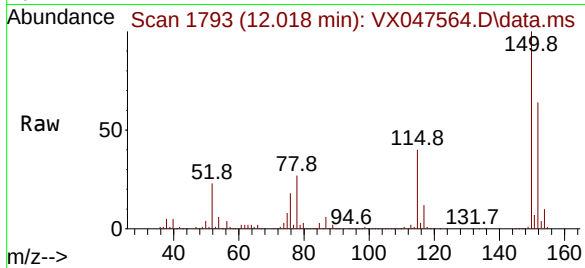




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047564.D
 Acq: 29 Aug 2025 12:42

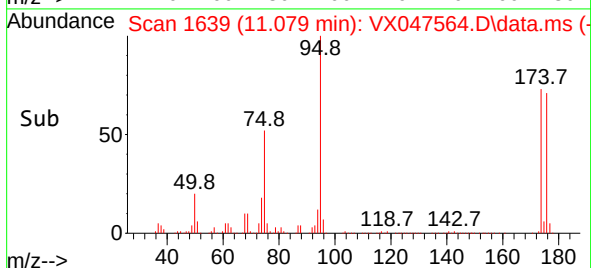
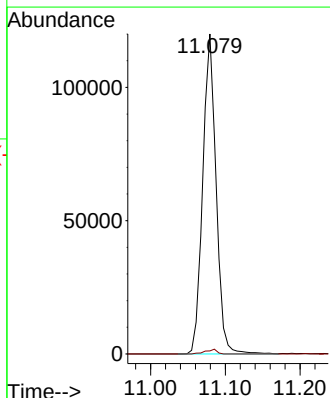
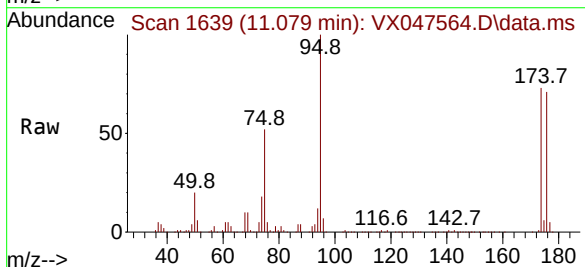
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

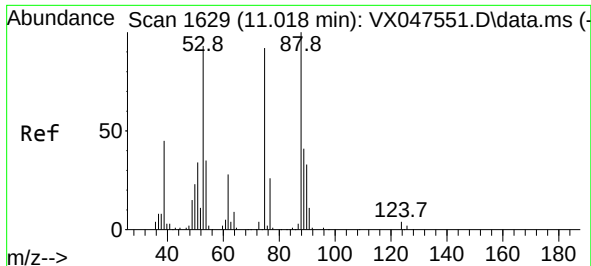
Tgt Ion:152 Resp: 283455
 Ion Ratio Lower Upper
 152 100
 115 62.5 42.9 128.5
 150 157.7 0.0 351.0



#76
 1,2,3-Trichloropropane
 Concen: 29.459 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.159 min
 Lab File: VX047564.D
 Acq: 29 Aug 2025 12:42

Tgt Ion: 75 Resp: 149034
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.7 59.1#

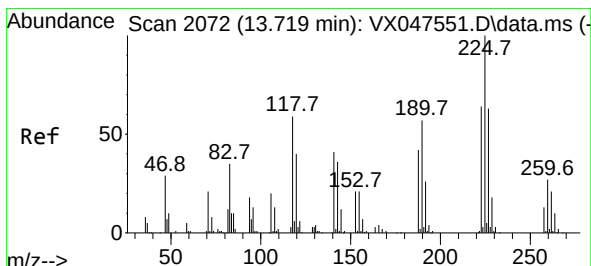
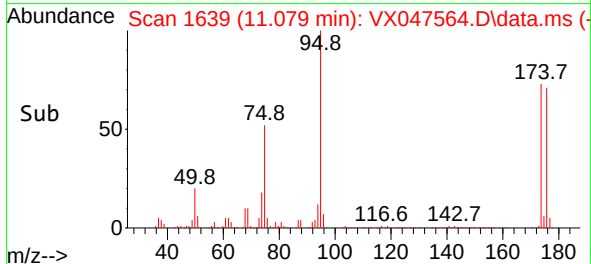
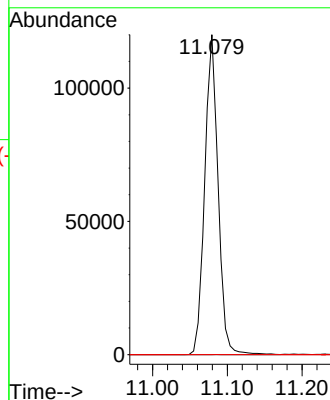
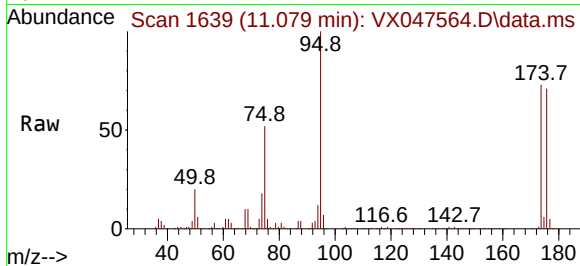




#81
trans-1,4-Dichloro-2-butene
Concen: 104.090 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX047564.D
Acq: 29 Aug 2025 12:42

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 149034
Ion Ratio Lower Upper
75 100
53 0.0 85.7 128.5#
89 0.0 36.4 54.6#



#94
Hexachlorobutadiene
Concen: 0.336 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.006 min
Lab File: VX047564.D
Acq: 29 Aug 2025 12:42

Tgt Ion: 225 Resp: 694
Ion Ratio Lower Upper
225 100
223 60.8 31.1 93.5
227 77.5 31.8 95.3

