

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047831.D
 Acq On : 26 Sep 2025 04:13
 Operator : JC/MD
 Sample : Q3156-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT190D1-20250918

Quant Time: Sep 26 06:54:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 17 06:39:58 2025
 Response via : Initial Calibration

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

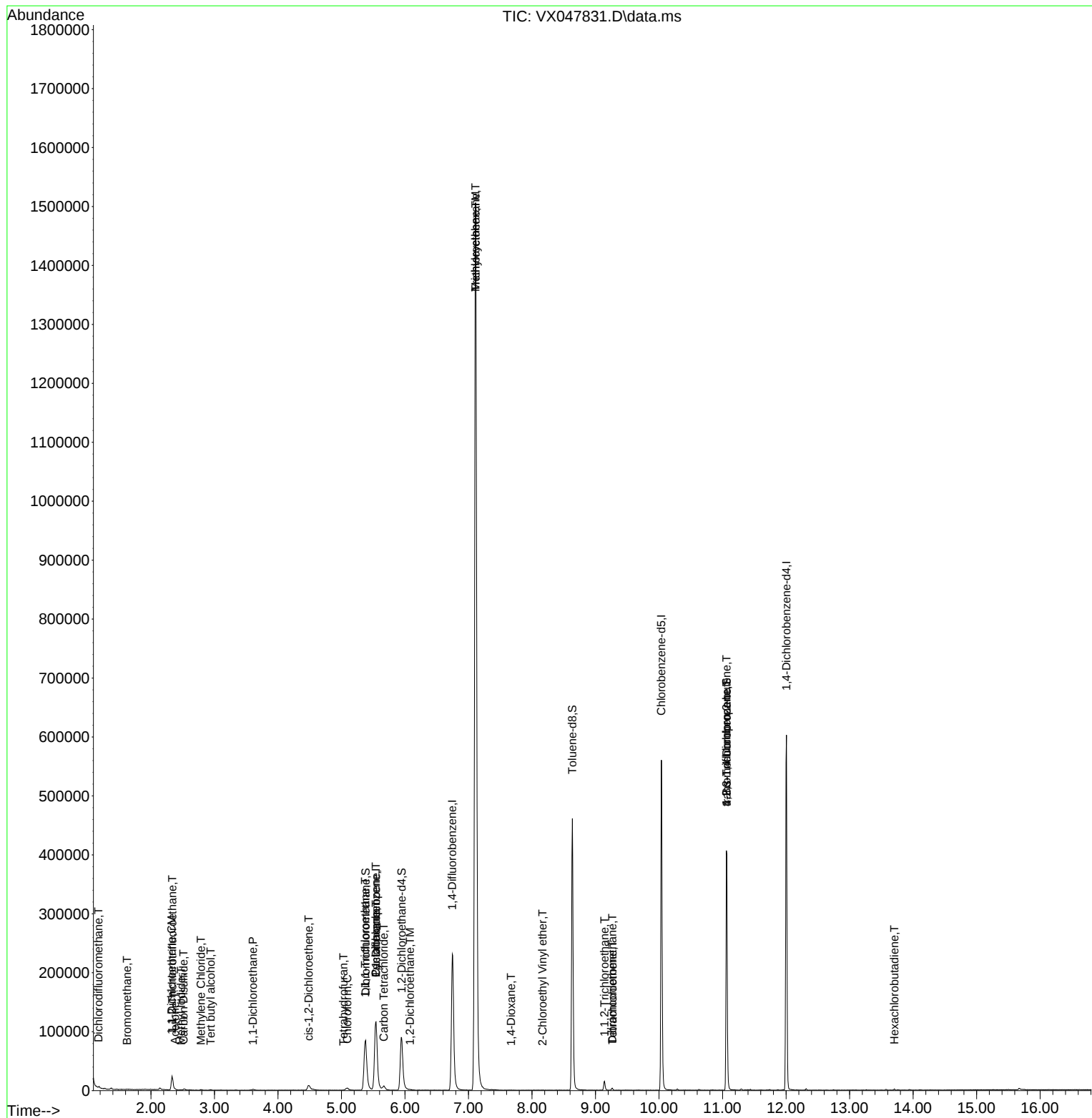
Internal Standards						
1) Pentafluorobenzene	5.544	168	118821	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	254440	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	254828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	125121	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	98090	51.863	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.720%			
35) Dibromofluoromethane	5.379	113	83067	48.679	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.360%			
50) Toluene-d8	8.635	98	284896	48.250	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.500%			
62) 4-Bromofluorobenzene	11.061	95	118134	52.718	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.172	85	341	0.277	ug/l	80
5) Bromomethane	1.624	94	287	0.286	ug/l #	59
9) 1,1,2-Trichlorotrifluo...	2.337	101	7169	5.216	ug/l	96
10) Methyl Iodide	2.477	142	768	0.358	ug/l #	60
11) Tert butyl alcohol	2.940	59	135	0.641	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	3914	2.773	ug/l	86
16) Acetone	2.380	43	1379	1.677	ug/l #	45
17) Carbon Disulfide	2.514	76	987	0.255	ug/l #	76
20) Methylene Chloride	2.788	84	376	0.216	ug/l #	58
24) 1,1-Dichloroethane	3.605	63	2475	0.825	ug/l #	94
27) cis-1,2-Dichloroethene	4.483	96	6168	3.314	ug/l	90
29) Tetrahydrofuran	5.032	42	157	0.254	ug/l #	34
30) Chloroform	5.092	83	5333	1.759	ug/l	94
31) Cyclohexane	5.544	56	2789	1.116	ug/l #	7
32) 1,1,1-Trichloroethane	5.373	97	529	0.206	ug/l #	24
36) 1,1-Dichloropropene	5.544	75	10153	4.072	ug/l #	47
38) Carbon Tetrachloride	5.666	117	6032	2.226	ug/l	92
39) Methylcyclohexane	7.110	83	6882	2.431	ug/l #	1
42) 1,2-Dichloroethane	6.080	62	876	0.304	ug/l #	76
44) Trichloroethene	7.110	130	628965	343.518	ug/l	96
49) 1,4-Dioxane	7.671	88	100	4.537	ug/l #	1
55) 1,1,2-Trichloroethane	9.141	97	4315	2.398	ug/l #	92
58) 2-Chloroethyl Vinyl ether	8.165	63	139	7.996	ug/l #	47
60) Dibromochloromethane	9.262	129	458	0.221	ug/l #	11
64) Tetrachloroethene	9.269	164	496	0.299	ug/l	93
76) 1,2,3-Trichloropropane	11.061	75	60958	24.063	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	60958	61.363	ug/l #	8
94) Hexachlorobutadiene	13.707	225	385	0.421	ug/l	85

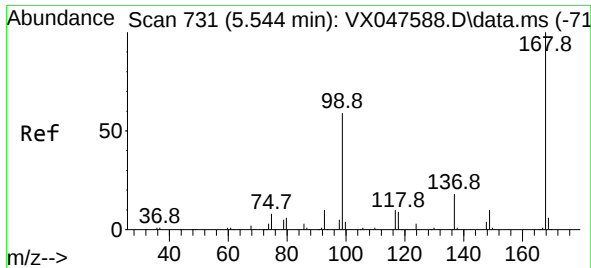
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
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Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration

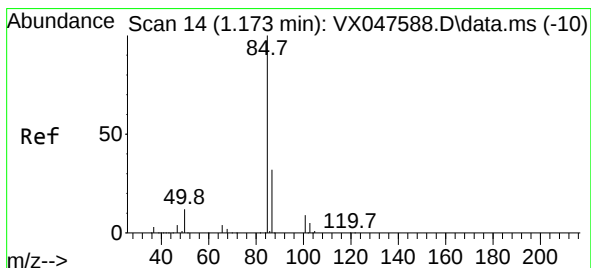
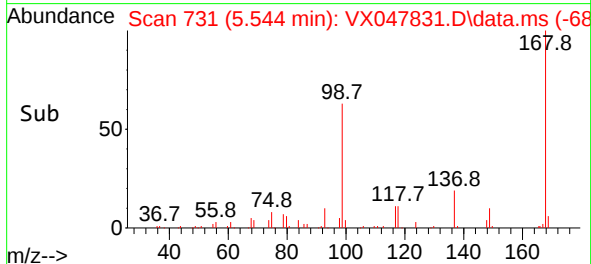
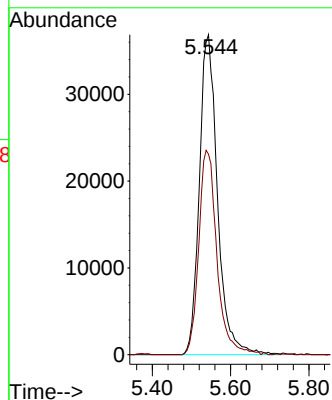
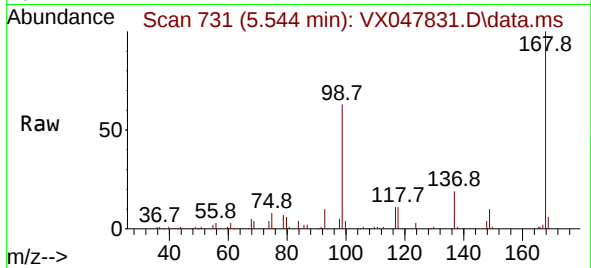




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047831.D
Acq: 26 Sep 2025 04:13

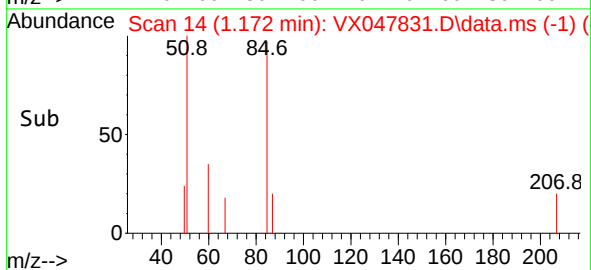
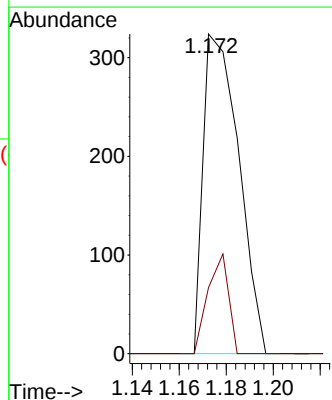
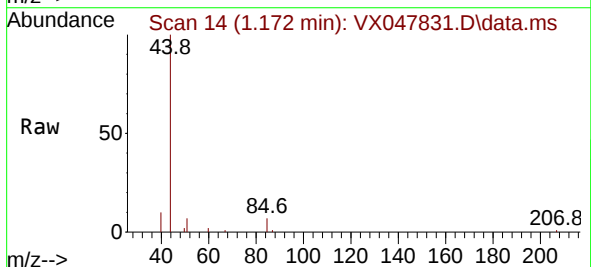
Instrument :
MSVOA_X
ClientSampleId :
TT190D1-20250918

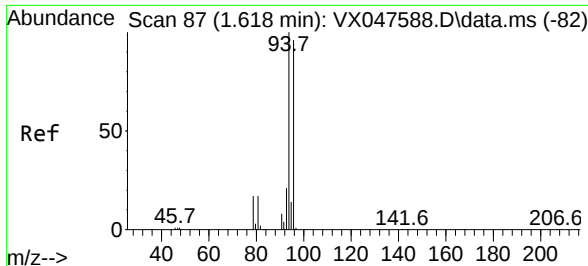
Tgt Ion:168 Resp: 118821
Ion Ratio Lower Upper
168 100
99 62.6 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 0.277 ug/l
RT: 1.172 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047831.D
Acq: 26 Sep 2025 04:13

Tgt Ion: 85 Resp: 341
Ion Ratio Lower Upper
85 100
87 20.7 15.8 47.3

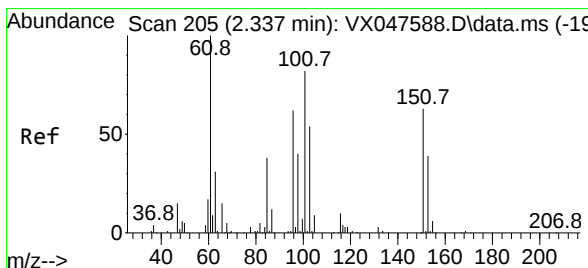
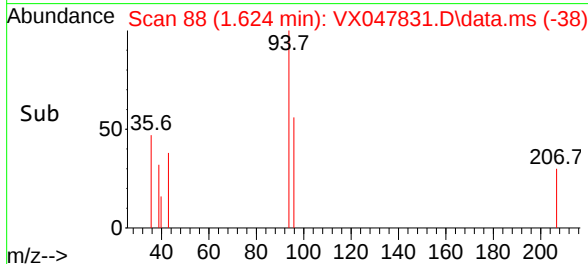
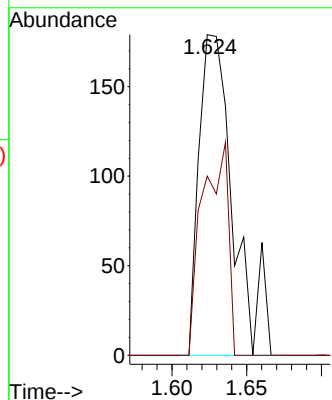
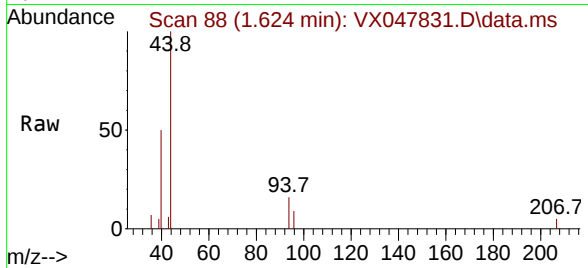




#5
Bromomethane
Concen: 0.286 ug/l
RT: 1.624 min Scan# 87
Delta R.T. 0.006 min
Lab File: VX047831.D
Acq: 26 Sep 2025 04:13

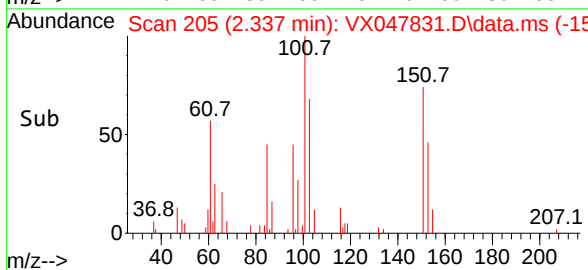
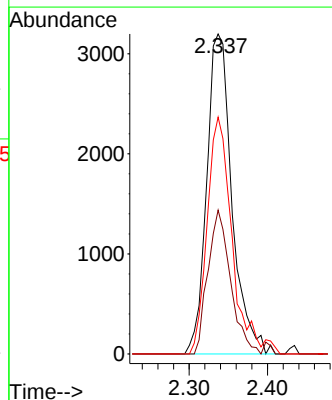
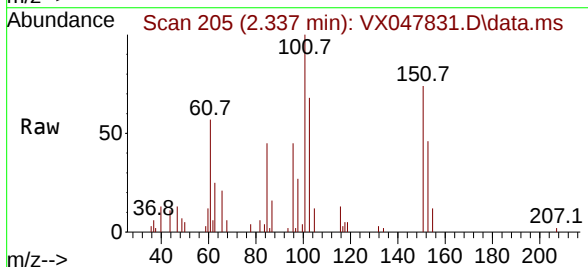
Instrument :
MSVOA_X
ClientSampleId :
TT190D1-20250918

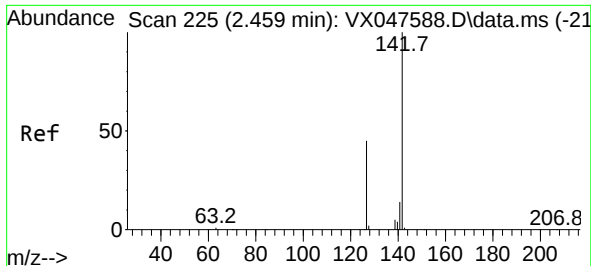
Tgt Ion: 94 Resp: 287
Ion Ratio Lower Upper
94 100
96 55.9 76.6 115.0#



#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.216 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047831.D
Acq: 26 Sep 2025 04:13

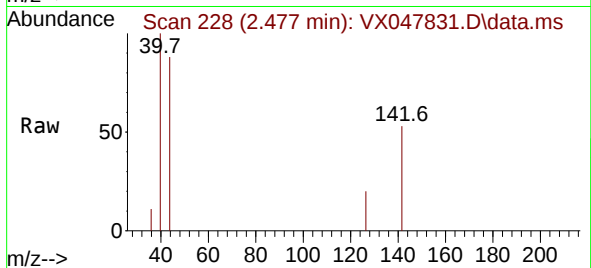
Tgt Ion: 101 Resp: 7169
Ion Ratio Lower Upper
101 100
85 40.3 35.5 53.3
151 71.4 59.4 89.0



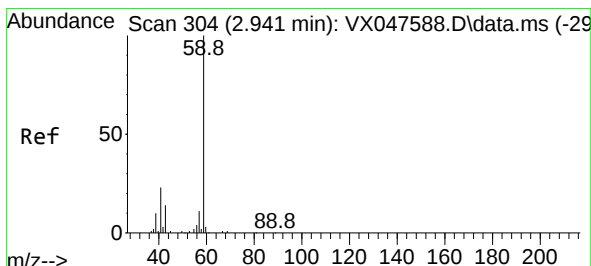
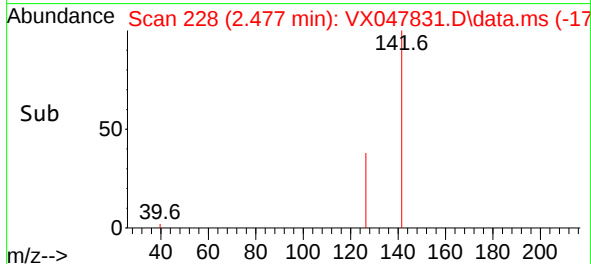
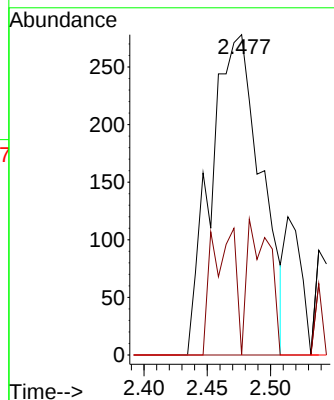


#10
Methyl Iodide
Concen: 0.358 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.018 min
Lab File: VX047831.D
Acq: 26 Sep 2025 04:13

Instrument :
MSVOA_X
ClientSampleId :
TT190D1-20250918

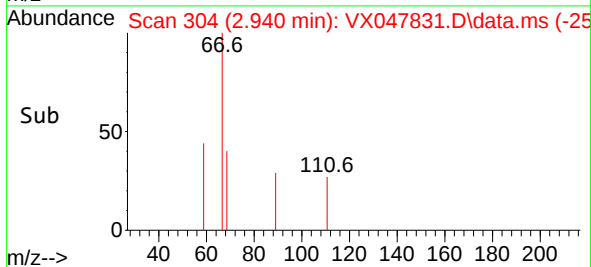
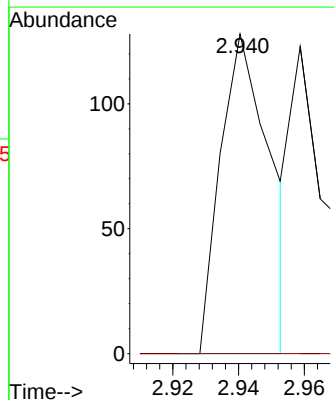
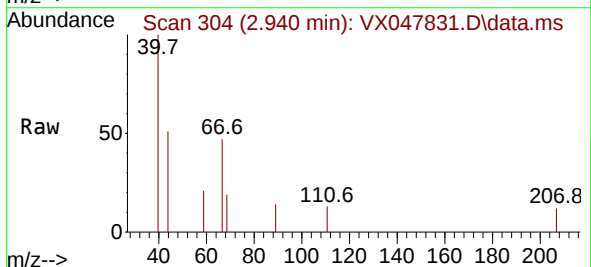


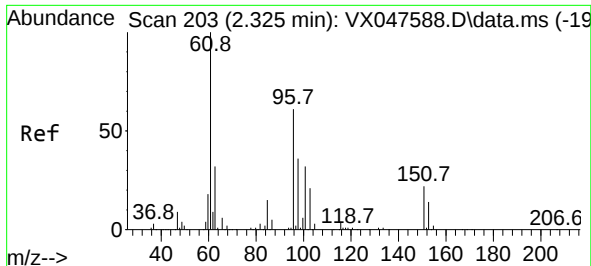
Tgt Ion:142 Resp: 768
Ion Ratio Lower Upper
142 100
127 18.9 37.2 55.8#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.641 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX047831.D
Acq: 26 Sep 2025 04:13

Tgt Ion: 59 Resp: 135
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 2.773 ug/l

RT: 2.325 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX047831.D

Acq: 26 Sep 2025 04:13

Instrument :

MSVOA_X

ClientSampleId :

TT190D1-20250918

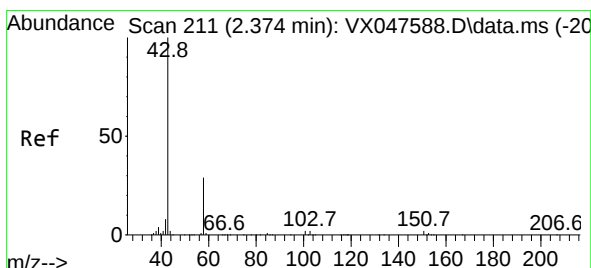
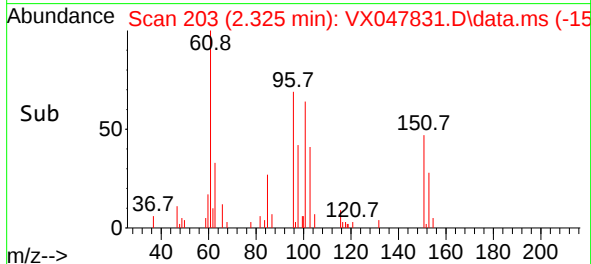
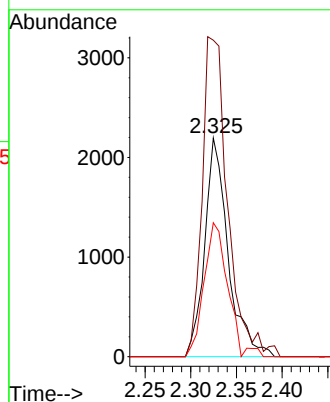
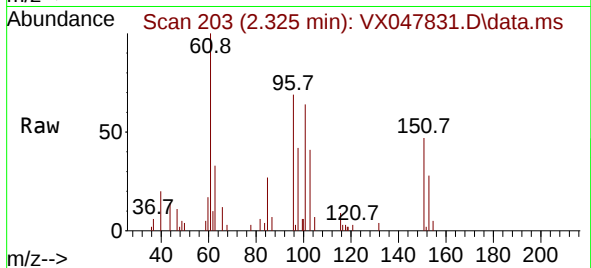
Tgt Ion: 96 Resp: 3914

Ion Ratio Lower Upper

96 100

61 139.2 131.0 196.6

98 58.9 47.7 71.5



#16

Acetone

Concen: 1.677 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX047831.D

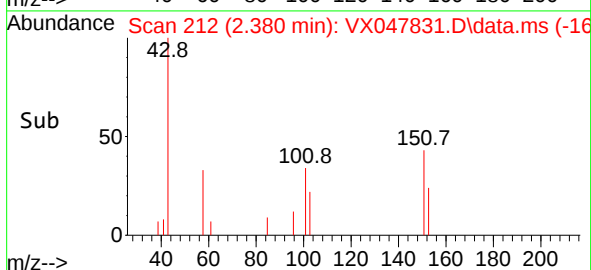
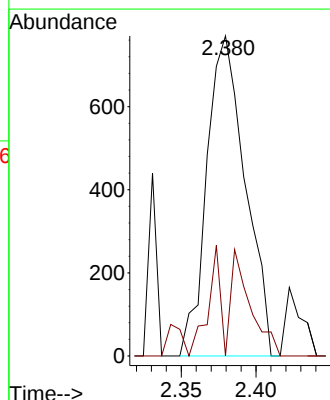
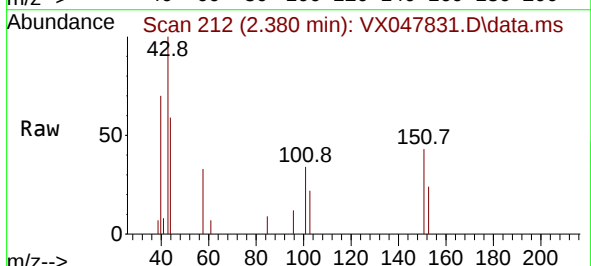
Acq: 26 Sep 2025 04:13

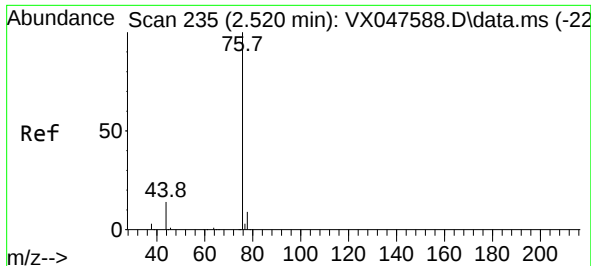
Tgt Ion: 43 Resp: 1379

Ion Ratio Lower Upper

43 100

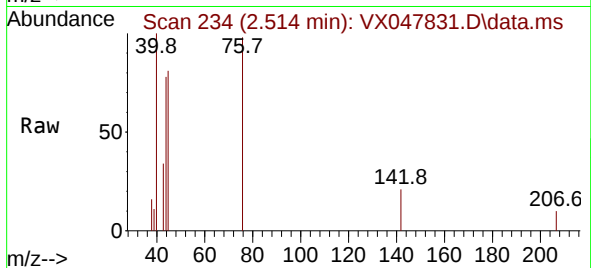
58 0.0 23.4 35.0#



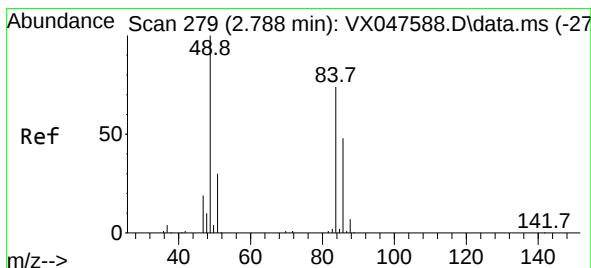
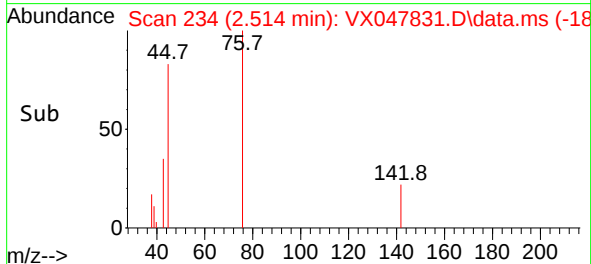
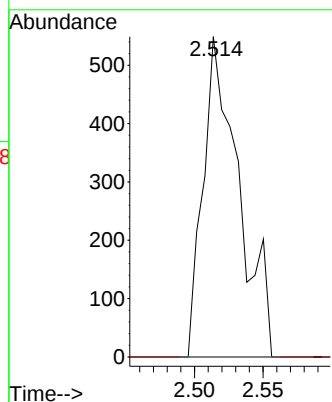


#17
Carbon Disulfide
Concen: 0.255 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX047831.D
Acq: 26 Sep 2025 04:13

Instrument :
MSVOA_X
ClientSampleId :
TT190D1-20250918

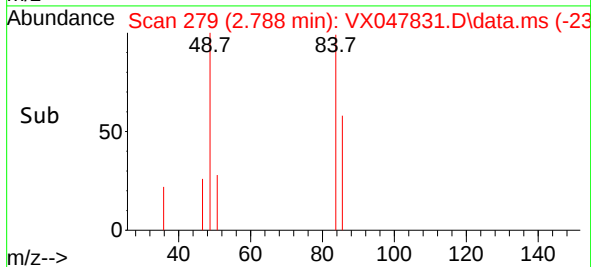
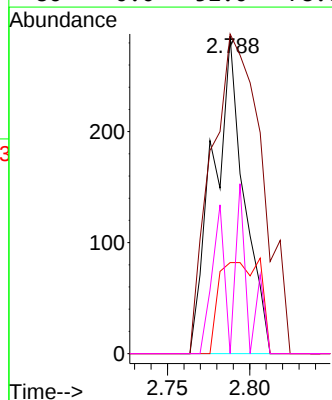
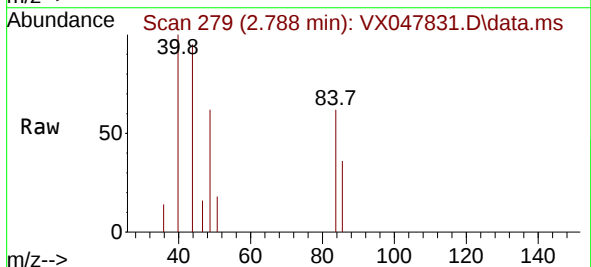


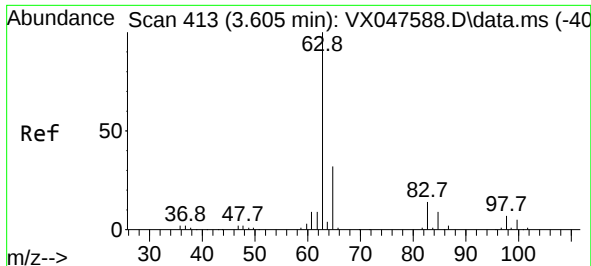
Tgt Ion: 76 Resp: 987
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#



#20
Methylene Chloride
Concen: 0.216 ug/l
RT: 2.788 min Scan# 279
Delta R.T. -0.000 min
Lab File: VX047831.D
Acq: 26 Sep 2025 04:13

Tgt Ion: 84 Resp: 376
Ion Ratio Lower Upper
84 100
49 100.7 108.6 162.8#
51 28.7 32.6 48.8#
86 0.0 52.0 78.0#

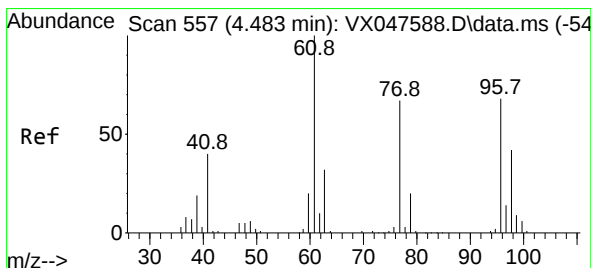
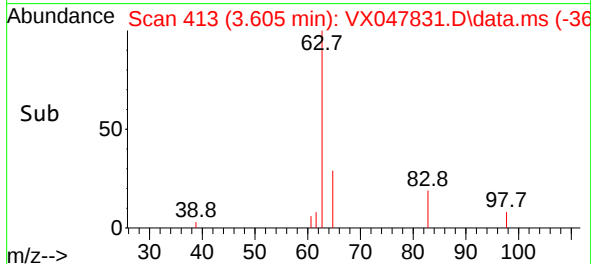
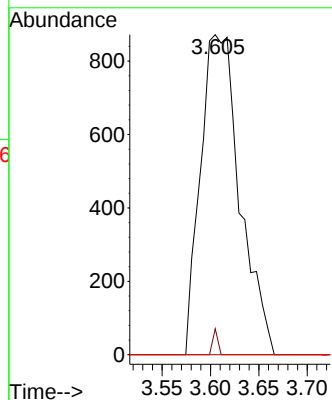
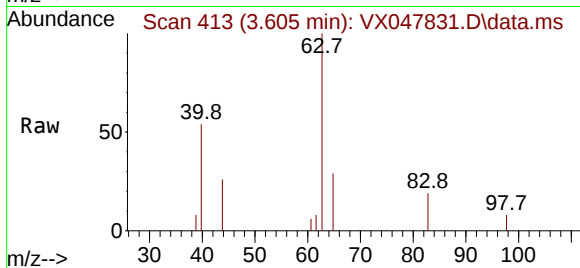




#24
 1,1-Dichloroethane
 Concen: 0.825 ug/l
 RT: 3.605 min Scan# 413
 Delta R.T. -0.000 min
 Lab File: VX047831.D
 Acq: 26 Sep 2025 04:13

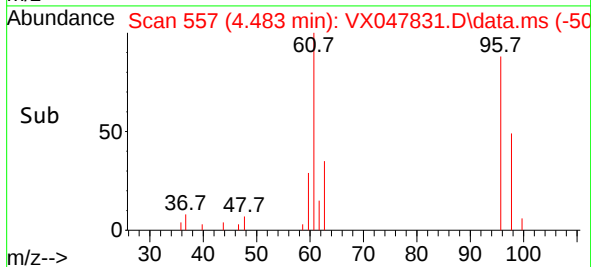
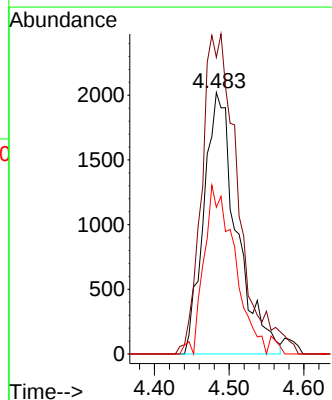
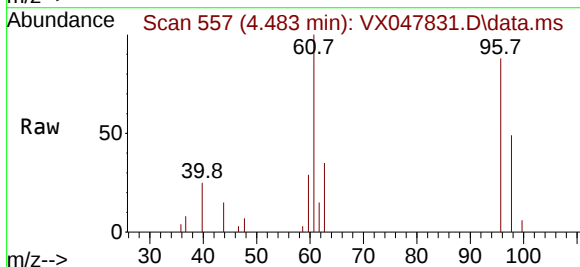
Instrument :
 MSVOA_X
 ClientSampleId :
 TT190D1-20250918

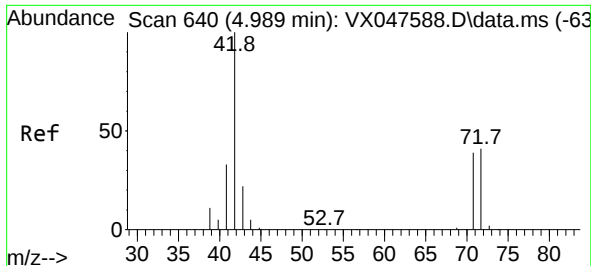
Tgt Ion: 63 Resp: 2475
 Ion Ratio Lower Upper
 63 100
 98 8.1 3.8 11.2
 100 0.0 2.3 6.9#



#27
 cis-1,2-Dichloroethene
 Concen: 3.314 ug/l
 RT: 4.483 min Scan# 557
 Delta R.T. -0.000 min
 Lab File: VX047831.D
 Acq: 26 Sep 2025 04:13

Tgt Ion: 96 Resp: 6168
 Ion Ratio Lower Upper
 96 100
 61 135.7 0.0 303.2
 98 60.4 0.0 127.8





#29

Tetrahydrofuran

Concen: 0.254 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.043 min

Lab File: VX047831.D

Acq: 26 Sep 2025 04:13

Instrument :

MSVOA_X

ClientSampleId :

TT190D1-20250918

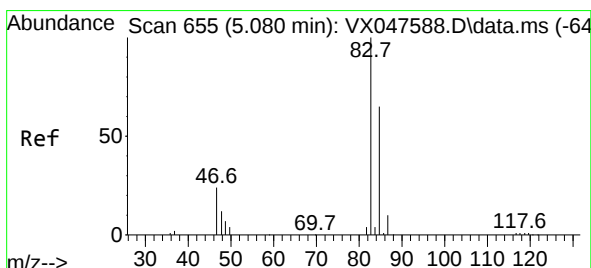
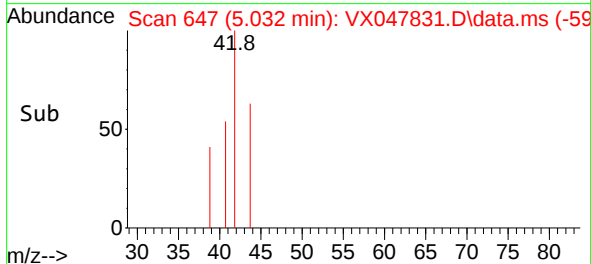
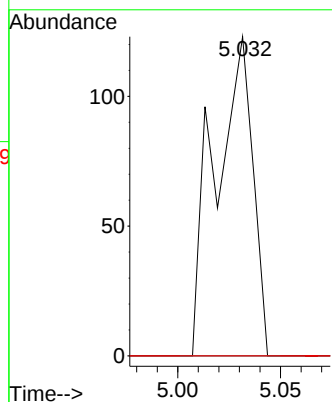
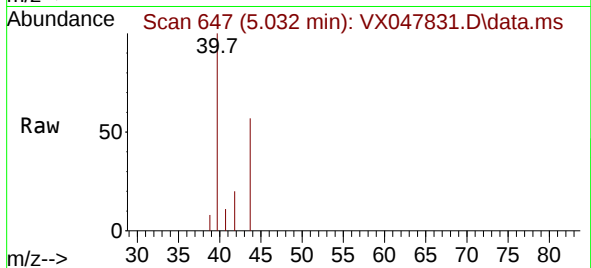
Tgt Ion: 42 Resp: 157

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.2#

71 0.0 31.9 47.9#



#30

Chloroform

Concen: 1.759 ug/l

RT: 5.092 min Scan# 657

Delta R.T. 0.012 min

Lab File: VX047831.D

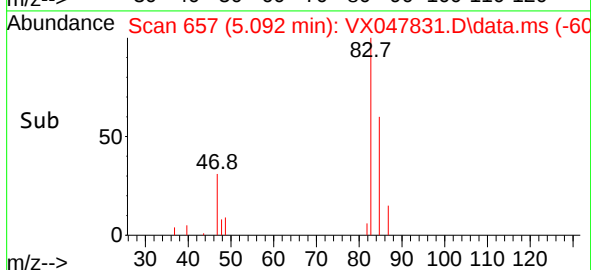
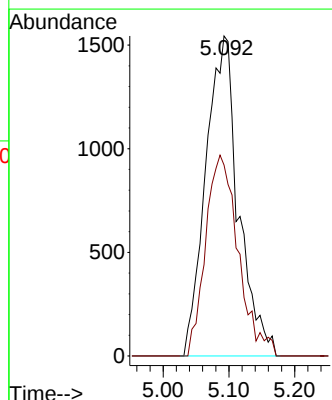
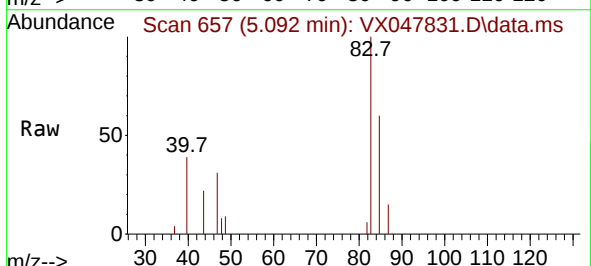
Acq: 26 Sep 2025 04:13

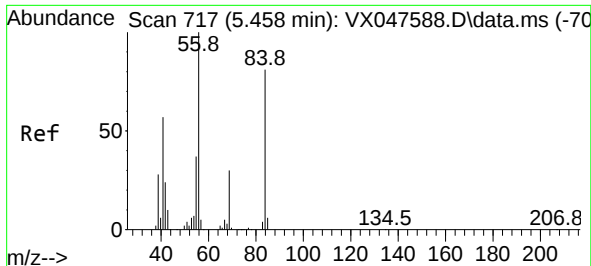
Tgt Ion: 83 Resp: 5333

Ion Ratio Lower Upper

83 100

85 59.7 51.8 77.6

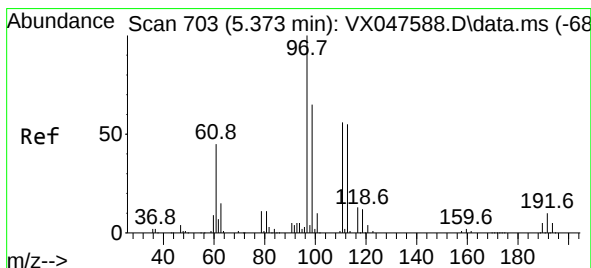
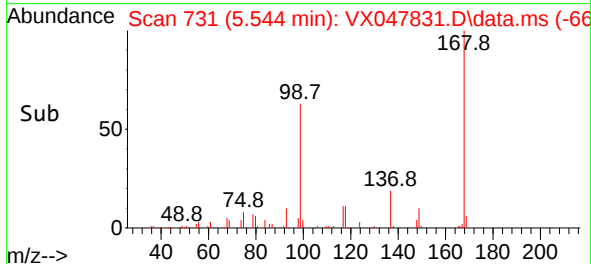
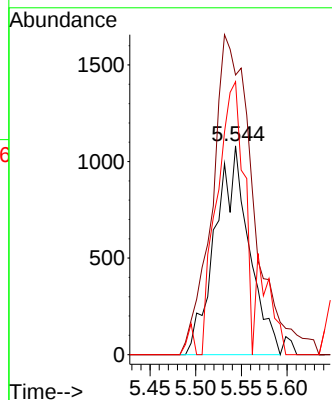
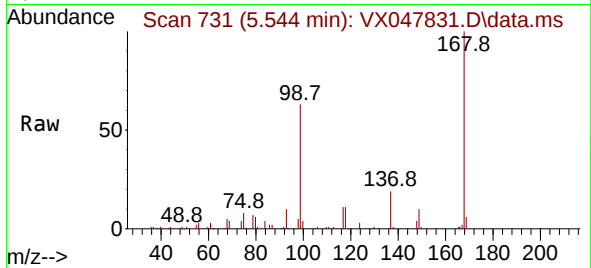




#31
Cyclohexane
Concen: 1.116 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX047831.D
Acq: 26 Sep 2025 04:13

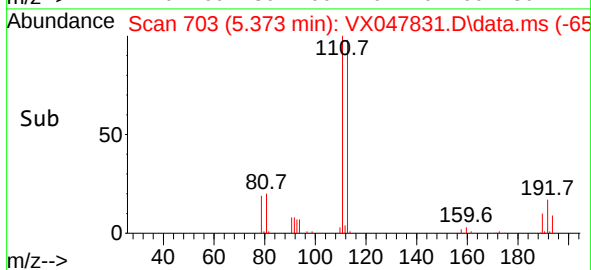
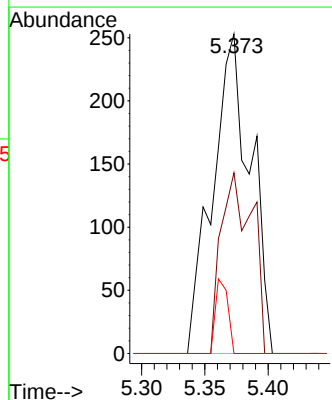
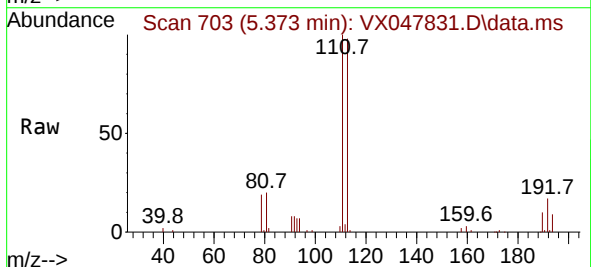
Instrument :
MSVOA_X
ClientSampleId :
TT190D1-20250918

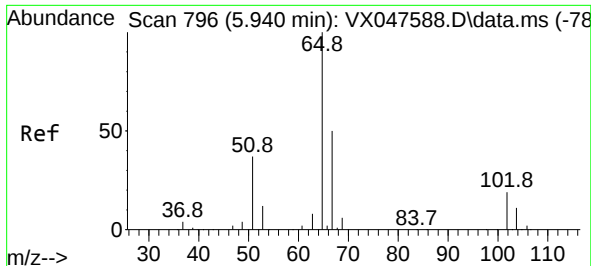
Tgt Ion: 56 Resp: 2789
Ion Ratio Lower Upper
56 100
69 134.0 23.8 35.8#
84 130.7 64.6 97.0#



#32
1,1,1-Trichloroethane
Concen: 0.206 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047831.D
Acq: 26 Sep 2025 04:13

Tgt Ion: 97 Resp: 529
Ion Ratio Lower Upper
97 100
99 0.0 50.6 76.0#
61 0.0 35.8 53.8#





#33

1,2-Dichloroethane-d4

Concen: 51.863 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047831.D

Acq: 26 Sep 2025 04:13

Instrument :

MSVOA_X

ClientSampleId :

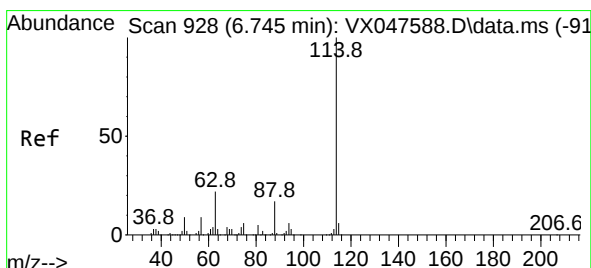
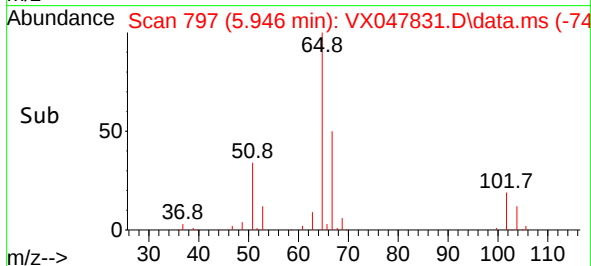
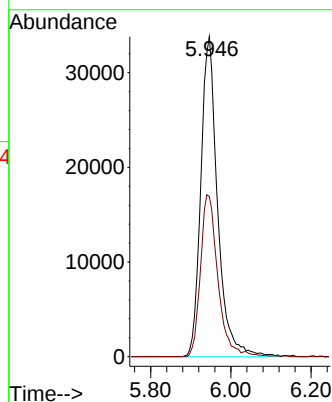
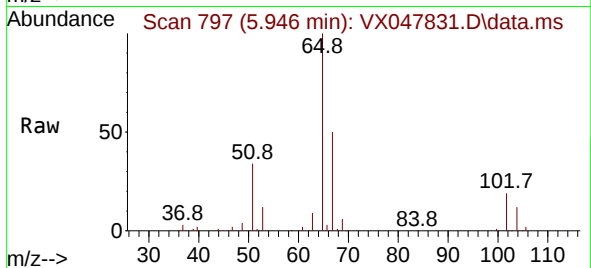
TT190D1-20250918

Tgt Ion: 65 Resp: 98090

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX047831.D

Acq: 26 Sep 2025 04:13

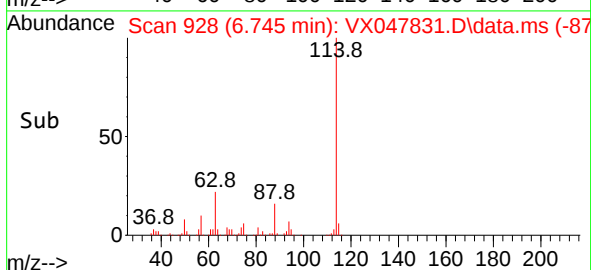
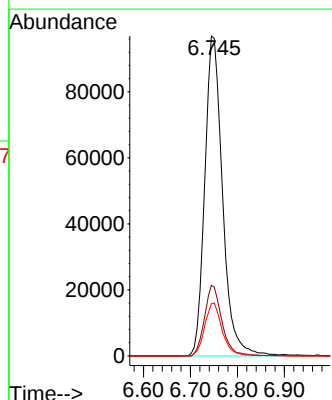
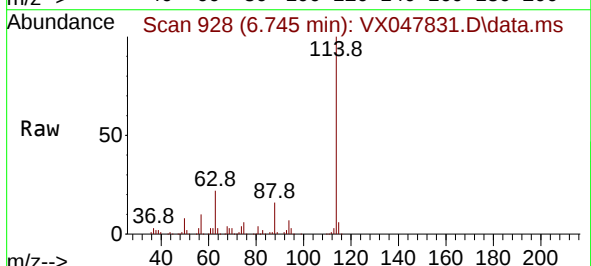
Tgt Ion: 114 Resp: 254440

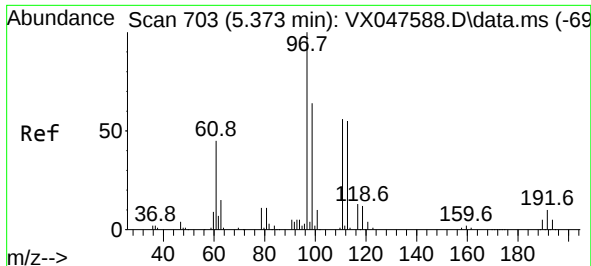
Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.0

88 16.4 0.0 34.2

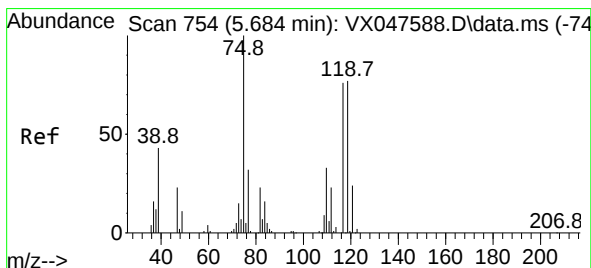
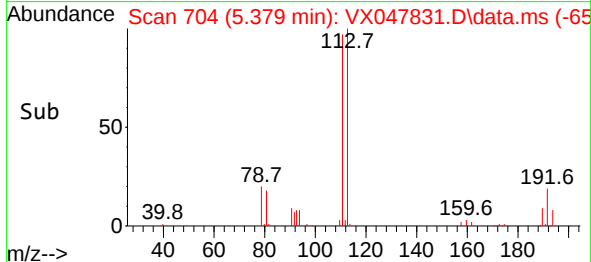
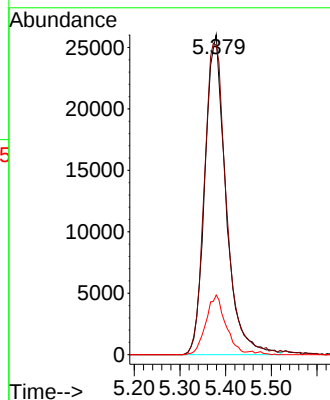
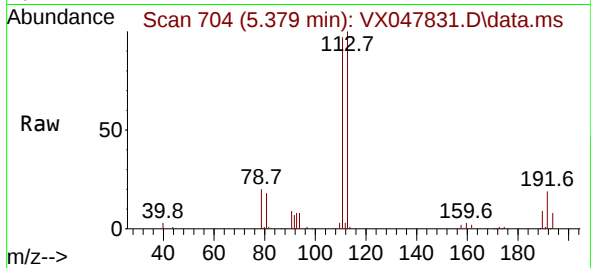




#35
 Dibromofluoromethane
 Concen: 48.679 ug/l
 RT: 5.379 min Scan# 703
 Delta R.T. 0.006 min
 Lab File: VX047831.D
 Acq: 26 Sep 2025 04:13

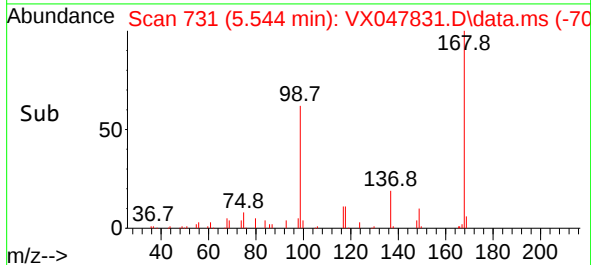
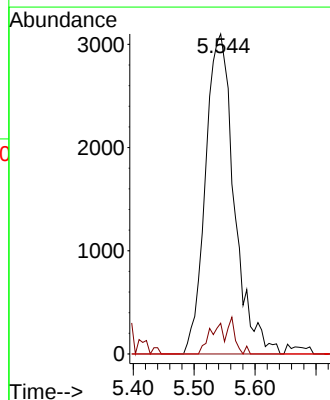
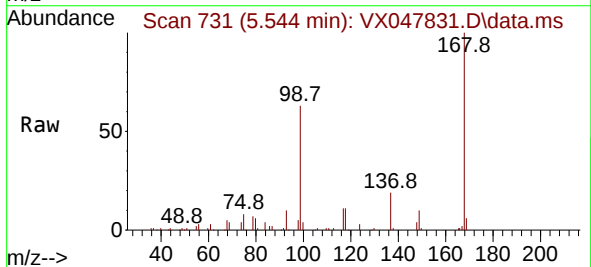
Instrument :
 MSVOA_X
 ClientSampleId :
 TT190D1-20250918

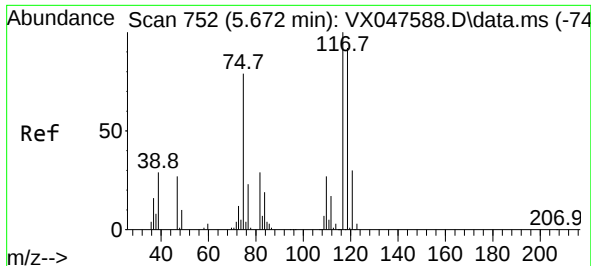
Tgt Ion:113 Resp: 83067
 Ion Ratio Lower Upper
 113 100
 111 102.1 80.9 121.3
 192 17.7 14.2 21.4



#36
 1,1-Dichloropropene
 Concen: 4.072 ug/l
 RT: 5.544 min Scan# 731
 Delta R.T. -0.140 min
 Lab File: VX047831.D
 Acq: 26 Sep 2025 04:13

Tgt Ion: 75 Resp: 10153
 Ion Ratio Lower Upper
 75 100
 110 4.6 16.7 50.1#
 77 0.0 24.3 36.5#

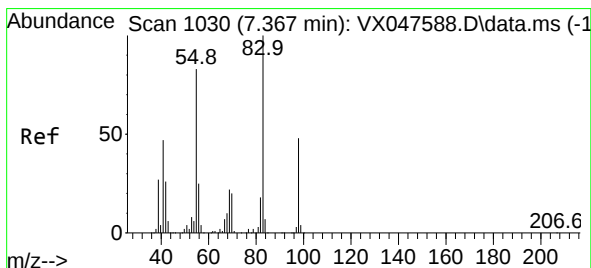
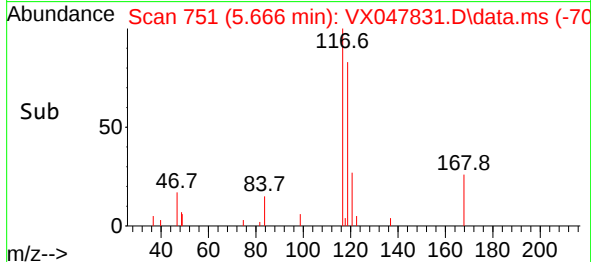
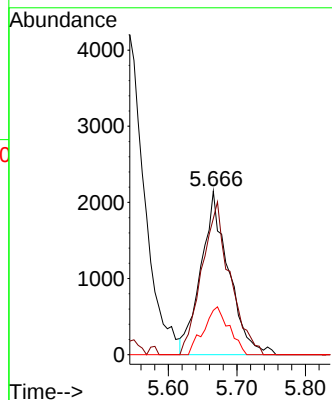
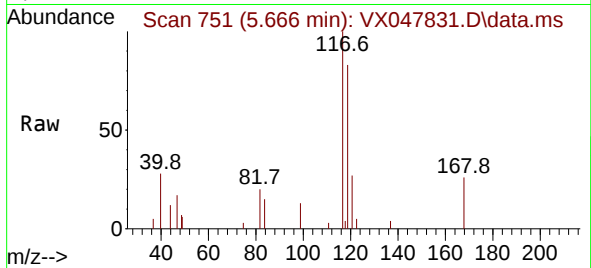




#38
Carbon Tetrachloride
Concen: 2.226 ug/l
RT: 5.666 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047831.D
Acq: 26 Sep 2025 04:13

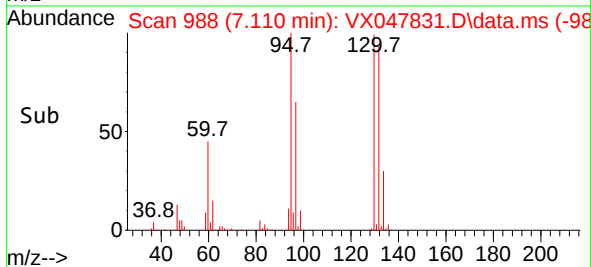
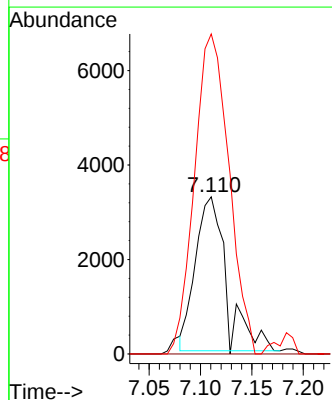
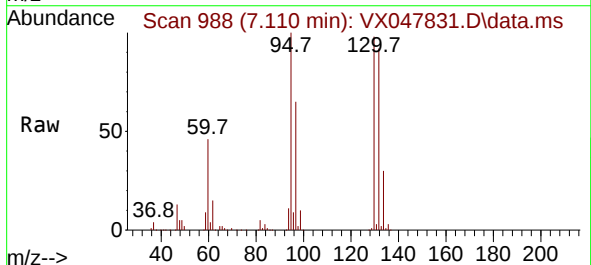
Instrument :
MSVOA_X
ClientSampleId :
TT190D1-20250918

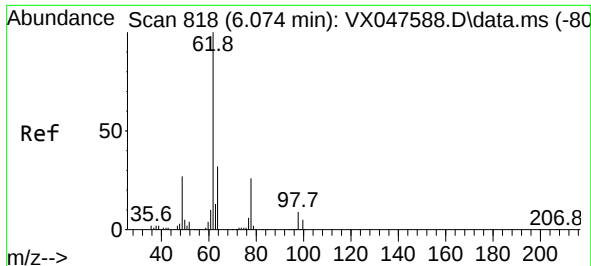
Tgt Ion:117 Resp: 6032
Ion Ratio Lower Upper
117 100
119 83.3 73.4 110.2
121 27.1 23.8 35.6



#39
Methylcyclohexane
Concen: 2.431 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.256 min
Lab File: VX047831.D
Acq: 26 Sep 2025 04:13

Tgt Ion: 83 Resp: 6882
Ion Ratio Lower Upper
83 100
55 0.0 66.4 99.6#
98 281.5 38.1 57.1#





#42

1,2-Dichloroethane

Concen: 0.304 ug/l

RT: 6.080 min Scan# 818

Delta R.T. 0.006 min

Lab File: VX047831.D

Acq: 26 Sep 2025 04:13

Instrument :

MSVOA_X

ClientSampleId :

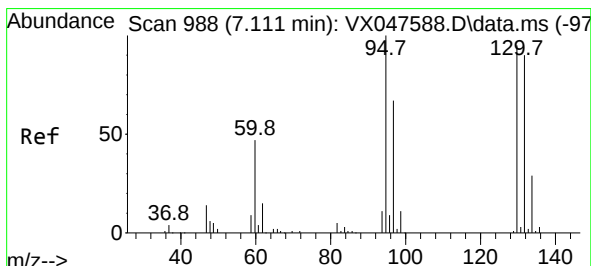
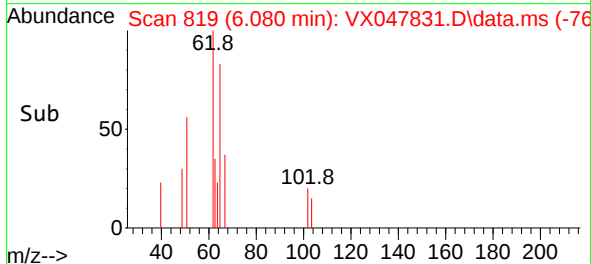
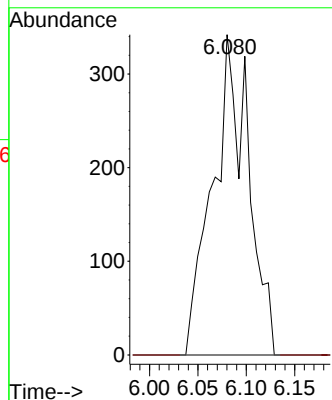
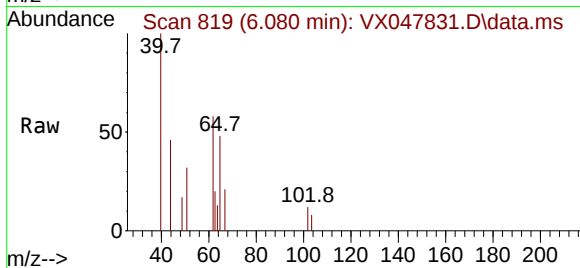
TT190D1-20250918

Tgt Ion: 62 Resp: 876

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0



#44

Trichloroethene

Concen: 343.518 ug/l

RT: 7.110 min Scan# 988

Delta R.T. -0.000 min

Lab File: VX047831.D

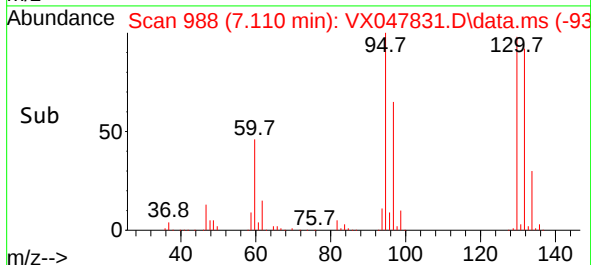
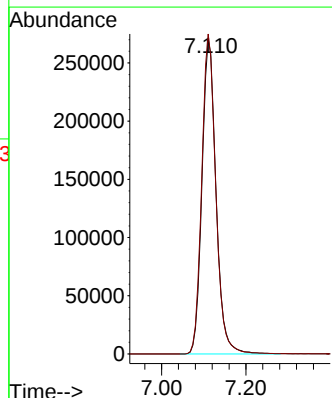
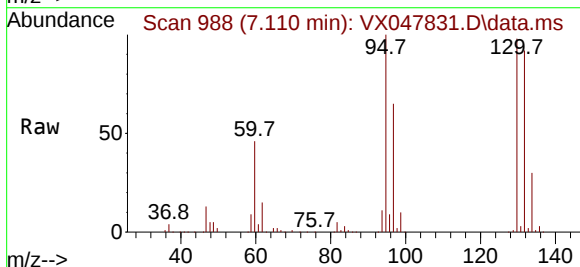
Acq: 26 Sep 2025 04:13

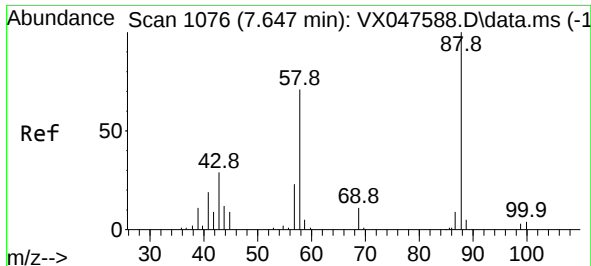
Tgt Ion:130 Resp: 628965

Ion Ratio Lower Upper

130 100

95 101.6 0.0 210.8





#49

1,4-Dioxane

Concen: 4.537 ug/l

RT: 7.671 min Scan# 1

Delta R.T. 0.024 min

Lab File: VX047831.D

Acq: 26 Sep 2025 04:13

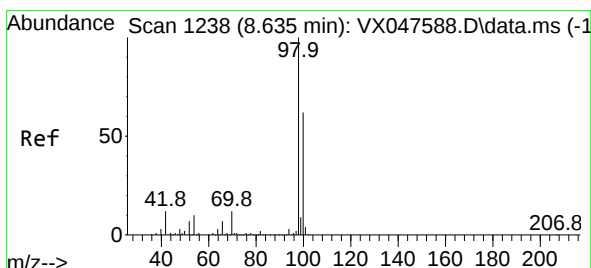
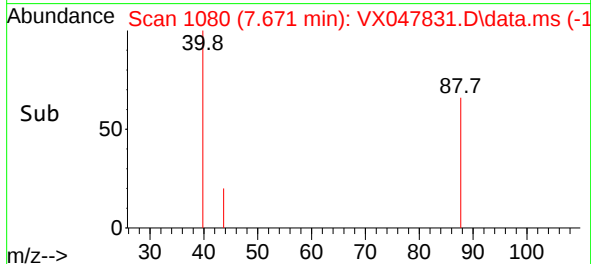
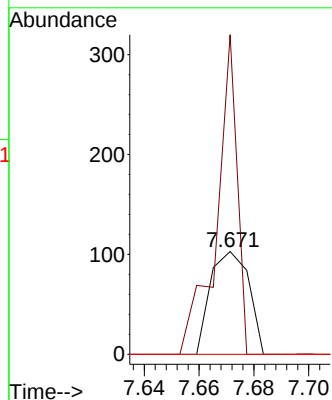
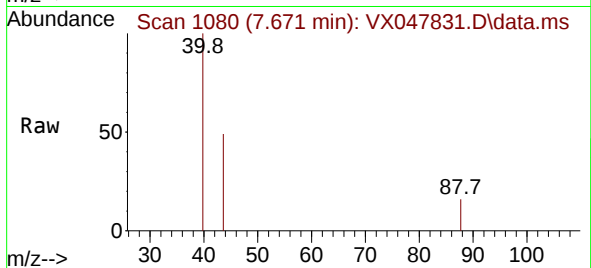
Instrument :

MSVOA_X

ClientSampleId :

TT190D1-20250918

Tgt Ion:	88	Resp:	100
Ion	Ratio	Lower	Upper
88	100		
43	167.0	30.2	45.2#
58	0.0	59.5	89.3#



#50

Toluene-d8

Concen: 48.250 ug/l

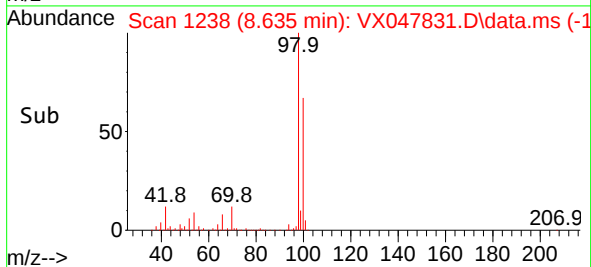
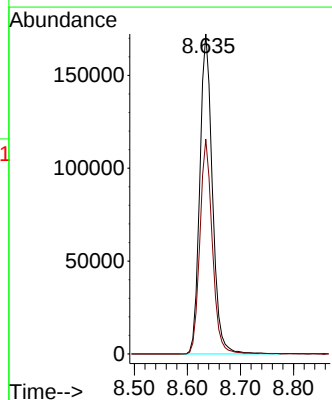
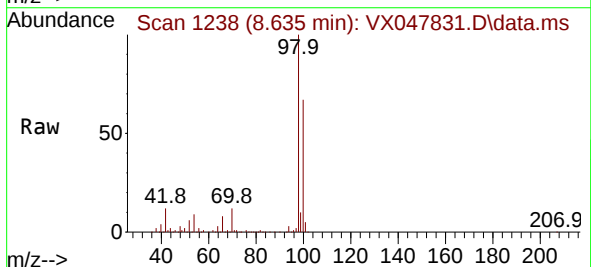
RT: 8.635 min Scan# 1238

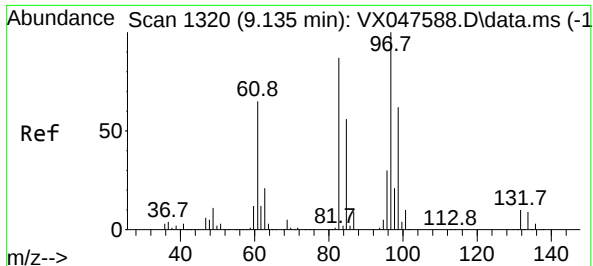
Delta R.T. -0.000 min

Lab File: VX047831.D

Acq: 26 Sep 2025 04:13

Tgt Ion:	98	Resp:	284896
Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.0	79.4





#55

1,1,2-Trichloroethane

Concen: 2.398 ug/l

RT: 9.141 min Scan# 1161

Delta R.T. 0.006 min

Lab File: VX047831.D

Acq: 26 Sep 2025 04:13

Instrument :

MSVOA_X

ClientSampleId :

TT190D1-20250918

Tgt Ion: 97 Resp: 4315

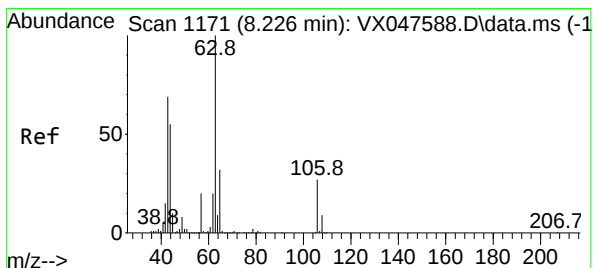
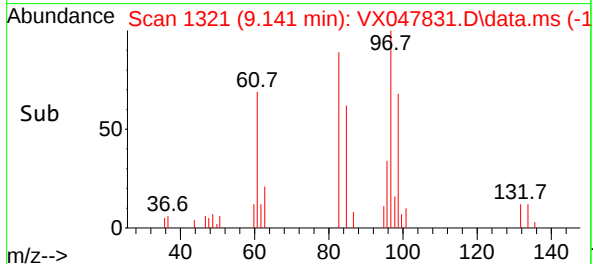
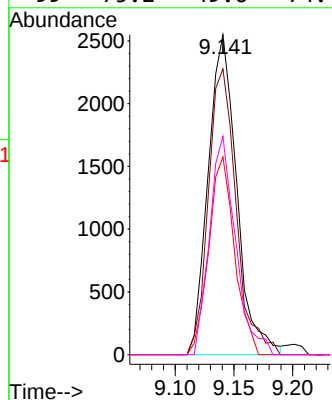
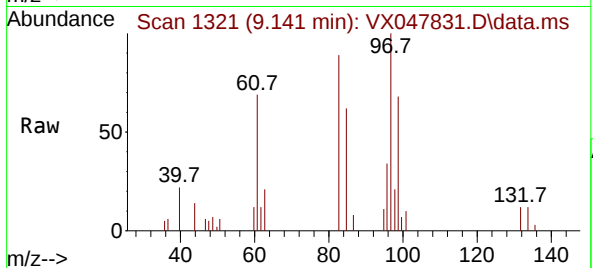
Ion Ratio Lower Upper

97 100

83 89.3 69.6 104.4

85 61.8 45.0 67.6

99 75.2 49.6 74.4#



#58

2-Chloroethyl Vinyl ether

Concen: 7.996 ug/l

RT: 8.165 min Scan# 1161

Delta R.T. -0.061 min

Lab File: VX047831.D

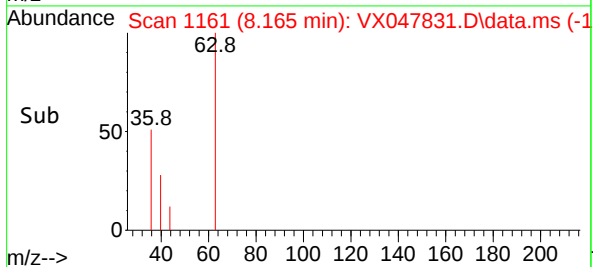
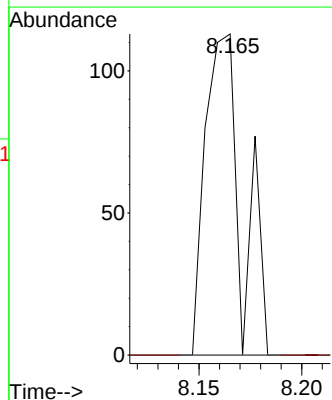
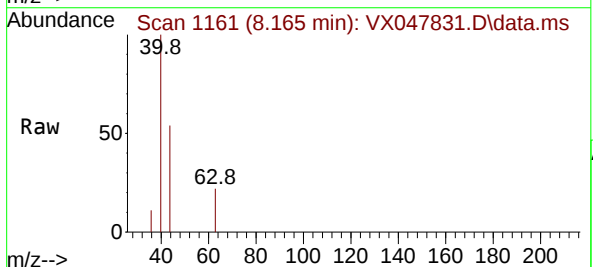
Acq: 26 Sep 2025 04:13

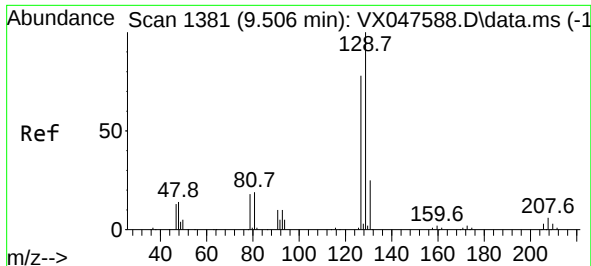
Tgt Ion: 63 Resp: 139

Ion Ratio Lower Upper

63 100

106 0.0 21.9 32.9#

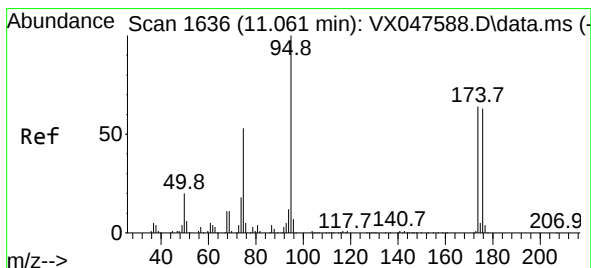
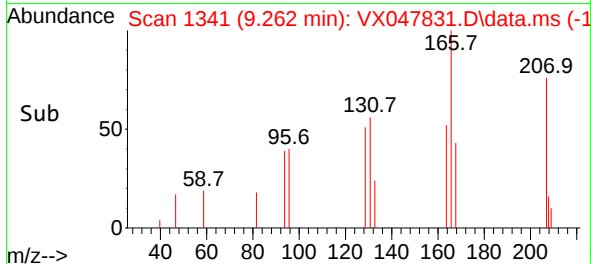
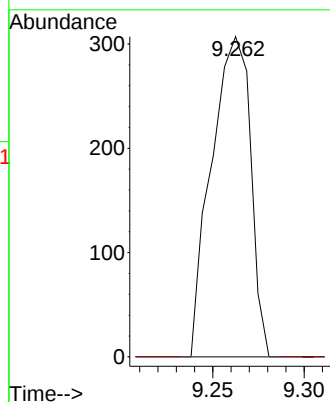
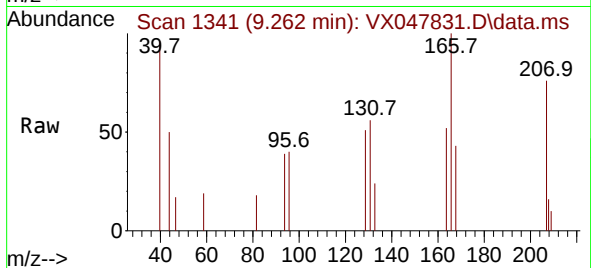




#60
Dibromochloromethane
Concen: 0.221 ug/l
RT: 9.262 min Scan# 1341
Delta R.T. -0.244 min
Lab File: VX047831.D
Acq: 26 Sep 2025 04:13

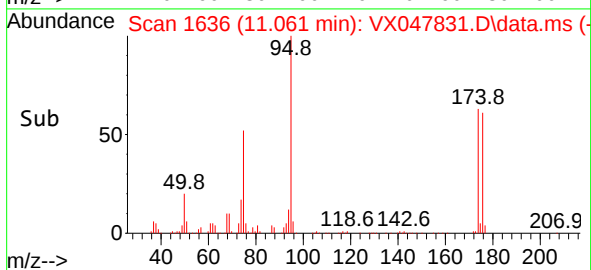
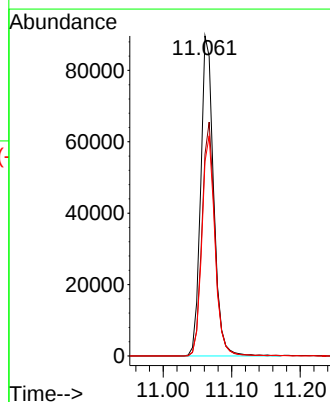
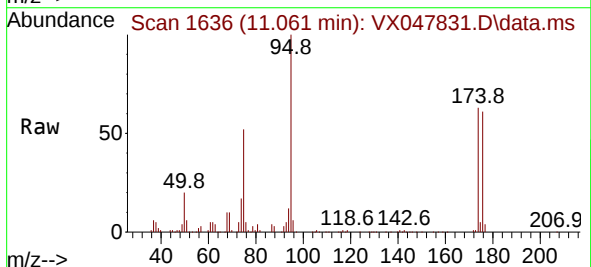
Instrument :
MSVOA_X
ClientSampleId :
TT190D1-20250918

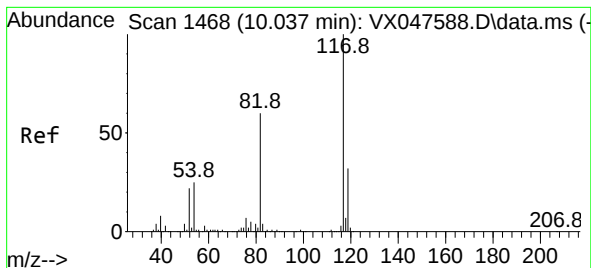
Tgt Ion:129 Resp: 458
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 52.718 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047831.D
Acq: 26 Sep 2025 04:13

Tgt Ion: 95 Resp: 118134
Ion Ratio Lower Upper
95 100
174 73.0 0.0 141.6
176 69.4 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX047831.D

Acq: 26 Sep 2025 04:13

Instrument :

MSVOA_X

ClientSampleId :

TT190D1-20250918

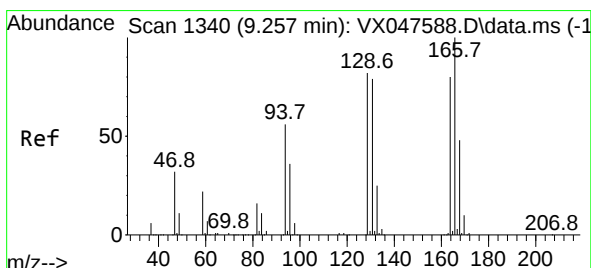
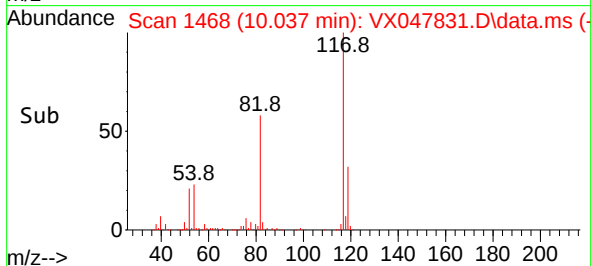
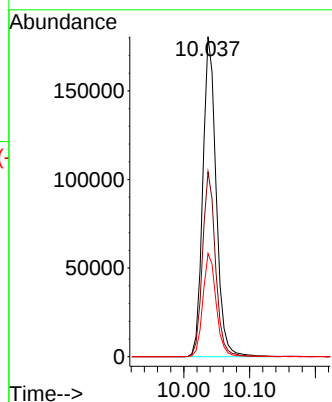
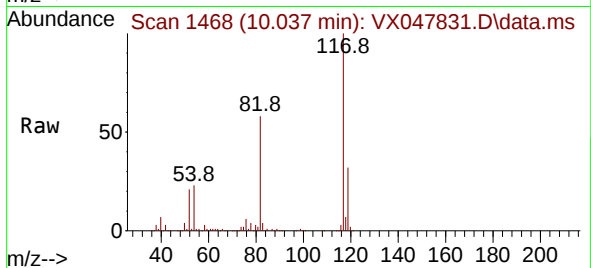
Tgt Ion:117 Resp: 254828

Ion Ratio Lower Upper

117 100

82 57.7 47.8 71.6

119 32.2 25.2 37.8



#64

Tetrachloroethene

Concen: 0.299 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.012 min

Lab File: VX047831.D

Acq: 26 Sep 2025 04:13

Tgt Ion:164 Resp: 496

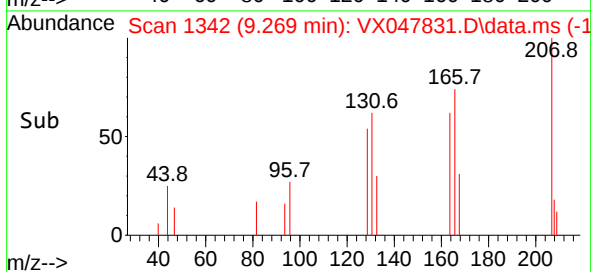
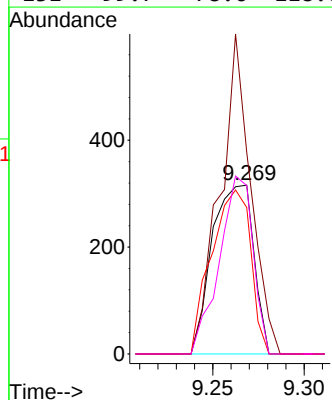
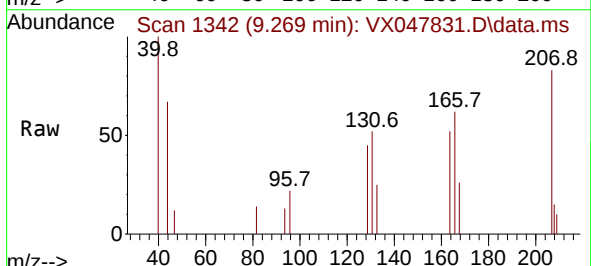
Ion Ratio Lower Upper

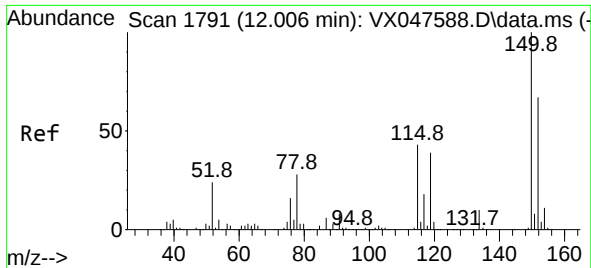
164 100

166 119.3 100.2 150.2

129 86.7 81.8 122.6

131 99.7 78.6 118.0

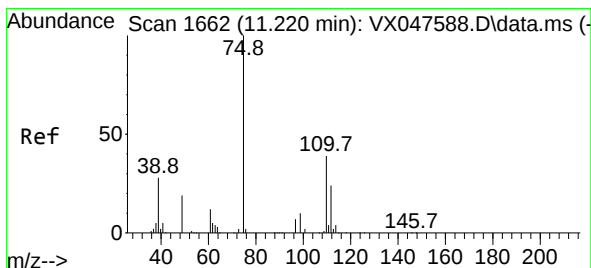
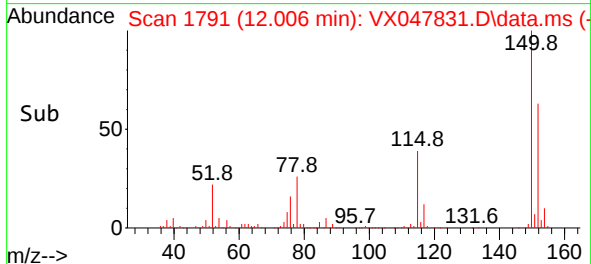
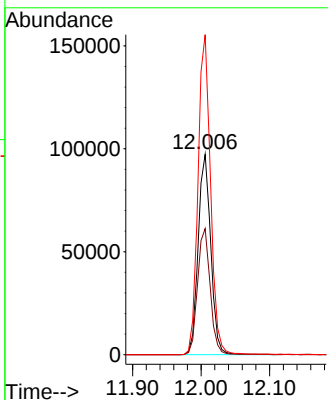
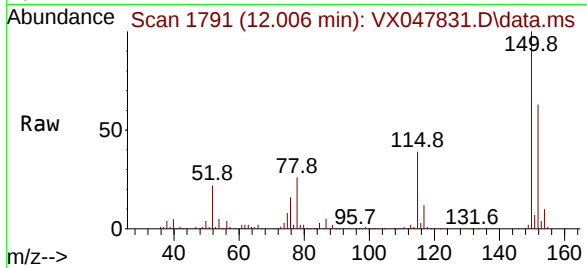




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047831.D
 Acq: 26 Sep 2025 04:13

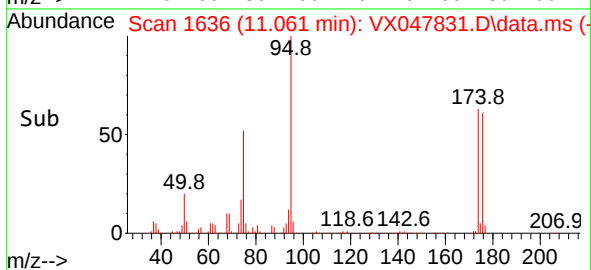
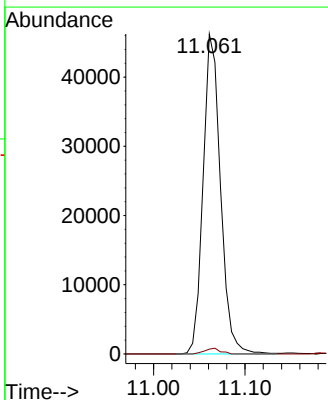
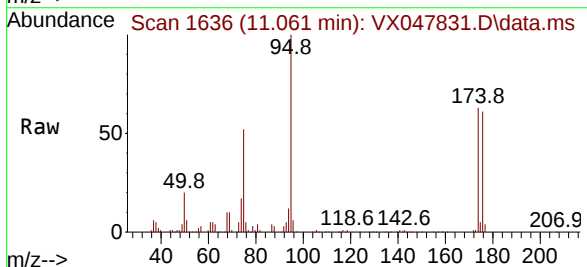
Instrument :
 MSVOA_X
 ClientSampleId :
 TT190D1-20250918

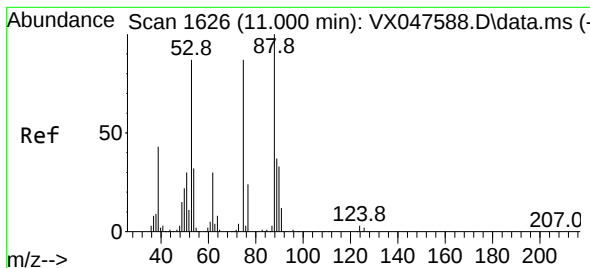
Tgt Ion:152 Resp: 125121
 Ion Ratio Lower Upper
 152 100
 115 63.1 44.9 134.5
 150 158.3 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 24.063 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX047831.D
 Acq: 26 Sep 2025 04:13

Tgt Ion: 75 Resp: 60958
 Ion Ratio Lower Upper
 75 100
 77 1.6 18.8 56.4#

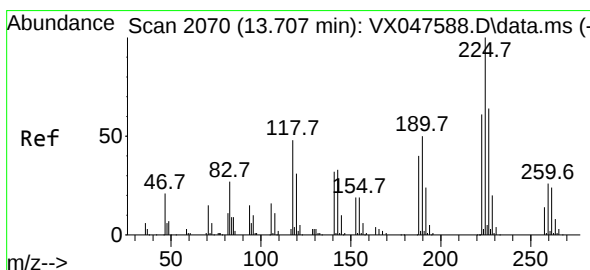
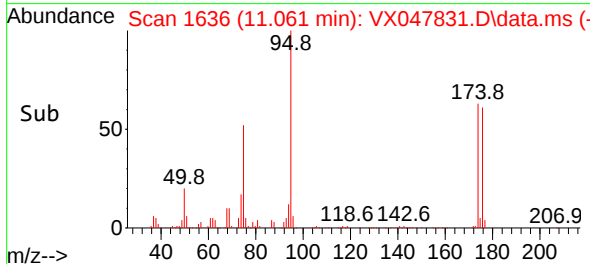
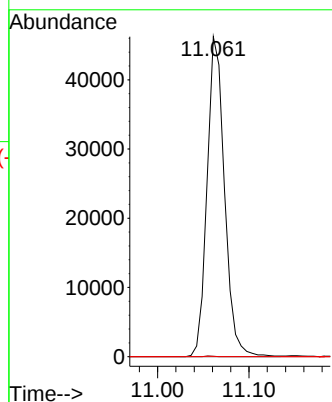
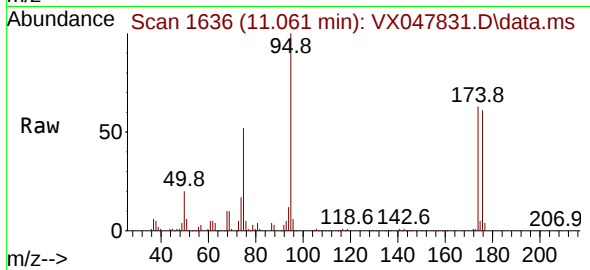




#81
trans-1,4-Dichloro-2-butene
Concen: 61.363 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047831.D
Acq: 26 Sep 2025 04:13

Instrument :
MSVOA_X
ClientSampleId :
TT190D1-20250918

Tgt Ion: 75 Resp: 60958
Ion Ratio Lower Upper
75 100
53 0.1 83.4 125.2#
89 0.0 36.3 54.5#



#94
Hexachlorobutadiene
Concen: 0.421 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047831.D
Acq: 26 Sep 2025 04:13

Tgt Ion: 225 Resp: 385
Ion Ratio Lower Upper
225 100
223 60.8 31.7 95.1
227 43.6 32.0 96.0

