

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047838.D
 Acq On : 26 Sep 2025 06:40
 Operator : JC/MD
 Sample : Q3156-12
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT190D2-20250918

Quant Time: Sep 26 08:28:51 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)

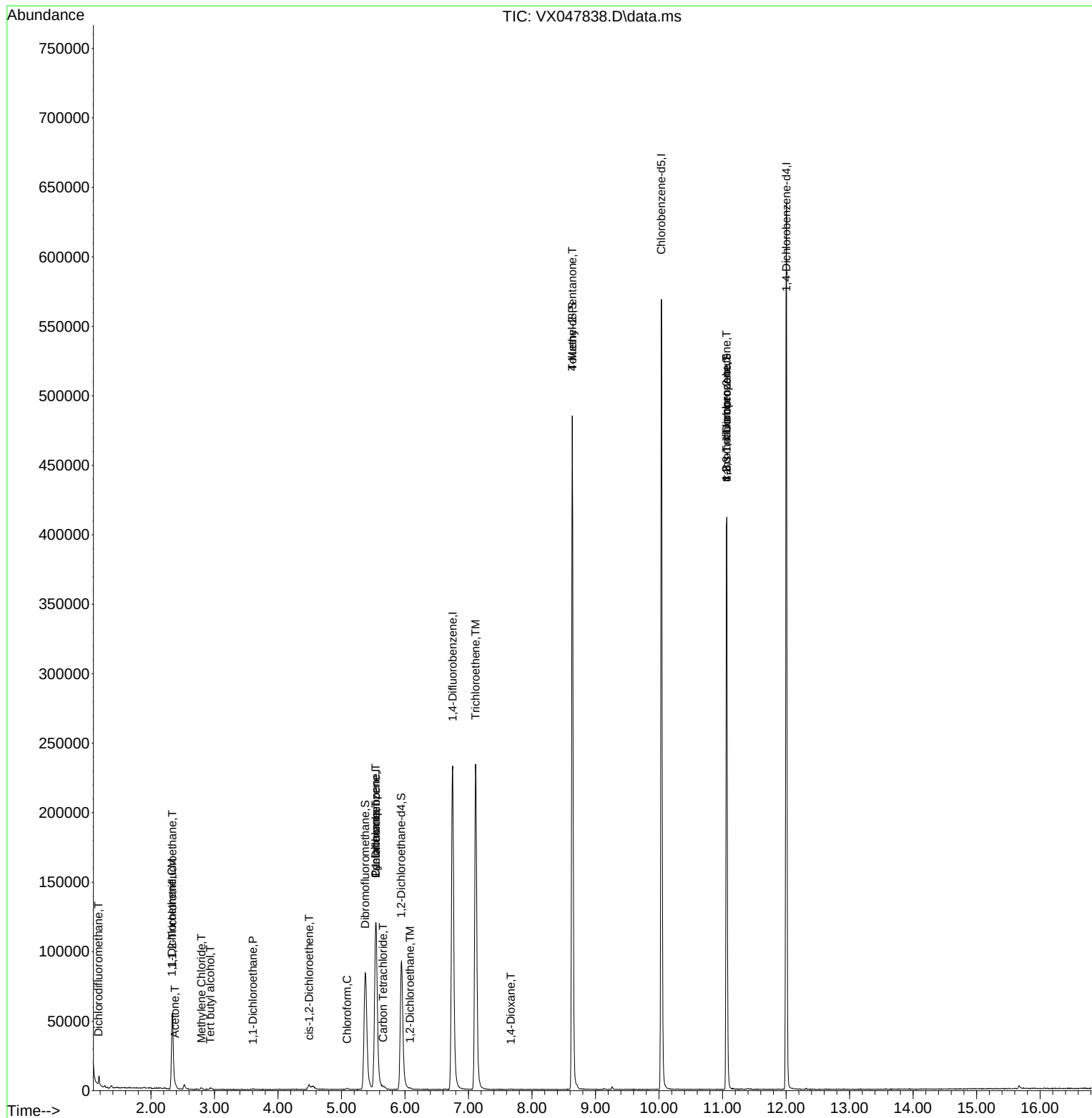
Internal Standards						
1) Pentafluorobenzene	5.544	168	122049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	255511	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	261991	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	131382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	100641	51.804	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 103.600%	
35) Dibromofluoromethane	5.373	113	84392	49.248	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.500%	
50) Toluene-d8	8.635	98	289019	48.744	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.480%	
62) 4-Bromofluorobenzene	11.061	95	120975	53.759	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 107.520%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	592	0.468	ug/l	87
9) 1,1,2-Trichlorotrifluo...	2.337	101	22820	16.165	ug/l	98
11) Tert butyl alcohol	2.934	59	173	0.800	ug/l #	72
12) 1,1-Dichloroethene	2.331	96	2533	1.747	ug/l #	62
16) Acetone	2.380	43	2017	2.388	ug/l	90
20) Methylene Chloride	2.794	84	676	0.378	ug/l #	70
24) 1,1-Dichloroethane	3.605	63	889	0.288	ug/l #	81
27) cis-1,2-Dichloroethene	4.489	96	2225	1.164	ug/l	81
30) Chloroform	5.086	83	960	0.308	ug/l	94
31) Cyclohexane	5.538	56	2278	0.887	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	10277	4.104	ug/l #	47
38) Carbon Tetrachloride	5.653	117	1191	0.438	ug/l #	56
42) 1,2-Dichloroethane	6.080	62	841	0.291	ug/l #	76
44) Trichloroethene	7.110	130	98305	53.466	ug/l	99
49) 1,4-Dioxane	7.665	88	95	4.292	ug/l #	63
51) 4-Methyl-2-Pentanone	8.635	43	1253	0.514	ug/l #	1
76) 1,2,3-Trichloropropane	11.061	75	62472	23.485	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	62472	59.890	ug/l #	8

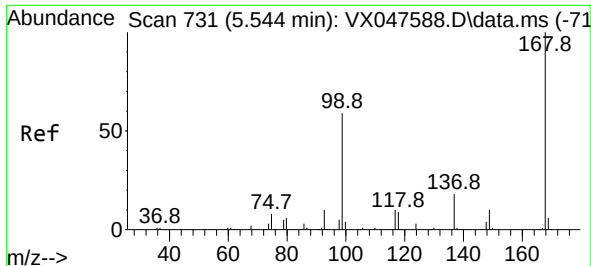
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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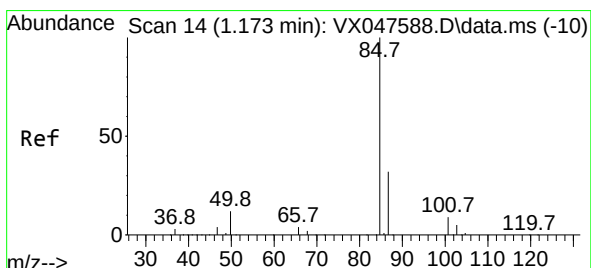
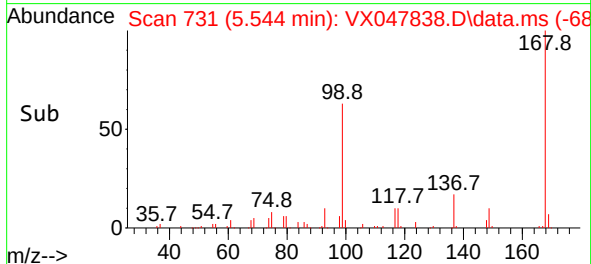
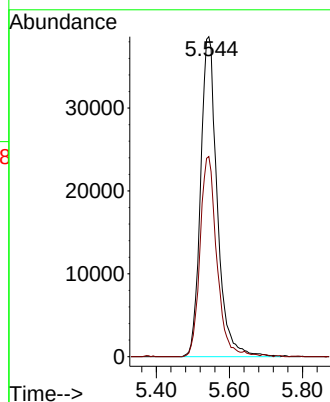
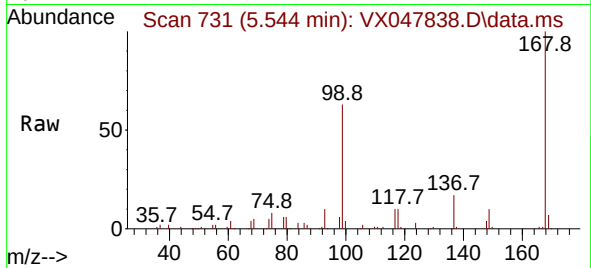




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047838.D
Acq: 26 Sep 2025 06:40

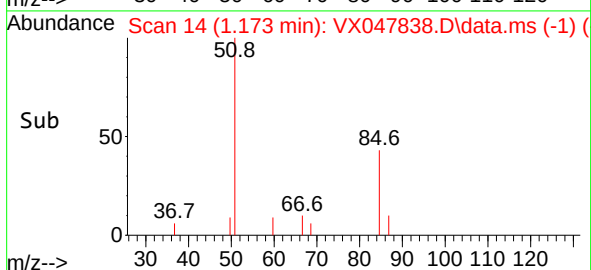
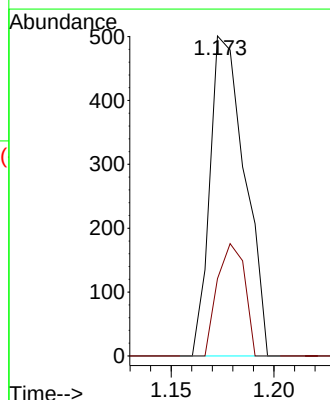
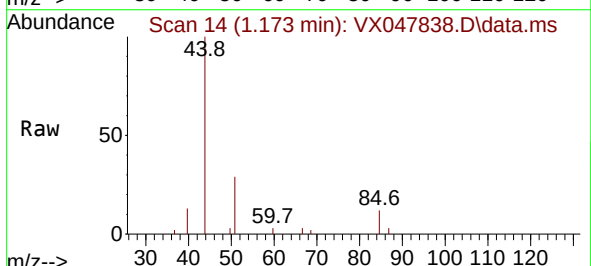
Instrument :
MSVOA_X
ClientSampleId :
TT190D2-20250918

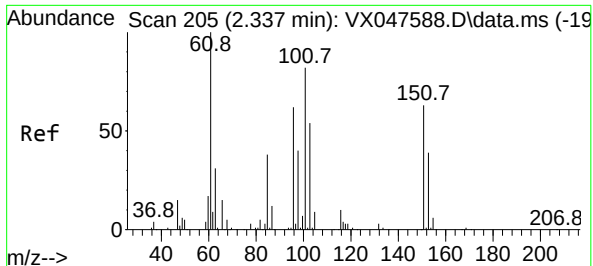
Tgt Ion:168 Resp: 122049
Ion Ratio Lower Upper
168 100
99 62.6 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 0.468 ug/l
RT: 1.173 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047838.D
Acq: 26 Sep 2025 06:40

Tgt Ion: 85 Resp: 592
Ion Ratio Lower Upper
85 100
87 24.2 15.8 47.3

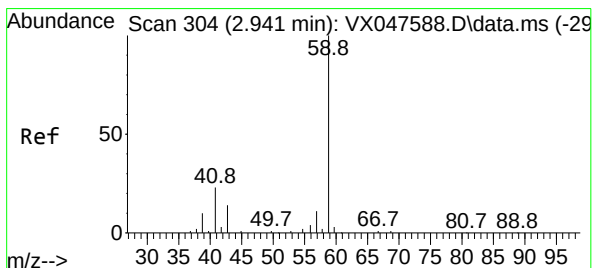
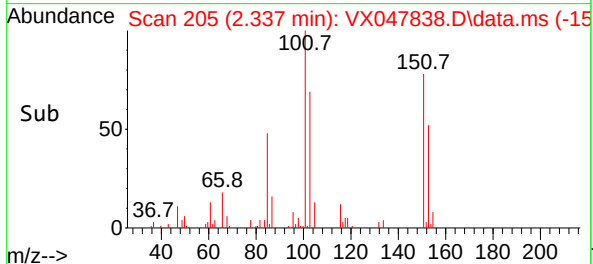
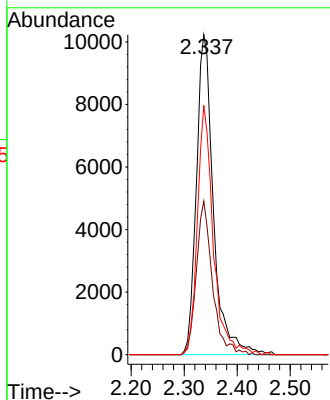
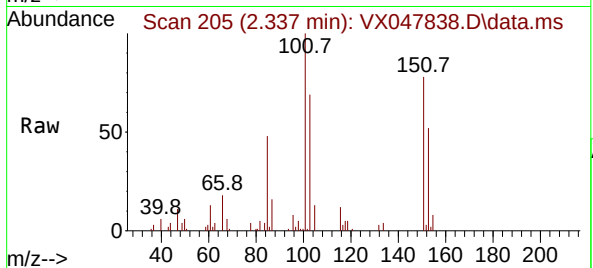




#9
1,1,2-Trichlorotrifluoroethane
Concen: 16.165 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047838.D
Acq: 26 Sep 2025 06:40

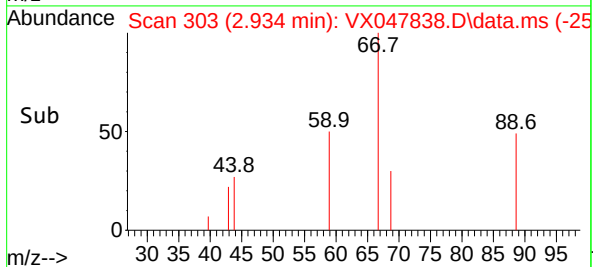
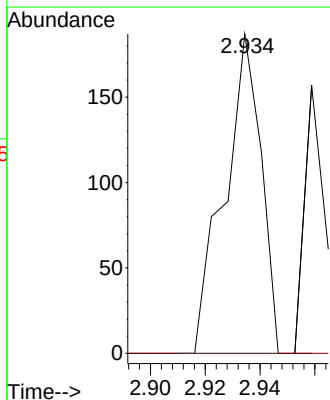
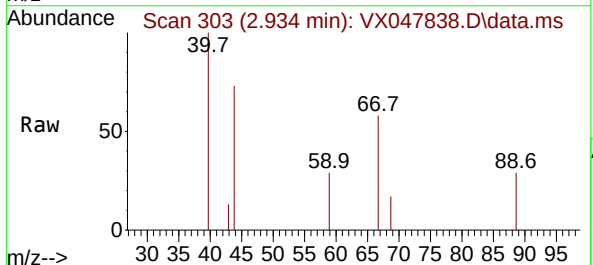
Instrument :
MSVOA_X
ClientSampleId :
TT190D2-20250918

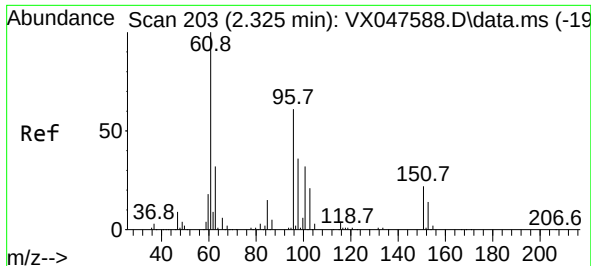
Tgt Ion:101 Resp: 22820
Ion Ratio Lower Upper
101 100
85 45.4 35.5 53.3
151 72.8 59.4 89.0



#11
Tert butyl alcohol
Concen: 0.800 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.006 min
Lab File: VX047838.D
Acq: 26 Sep 2025 06:40

Tgt Ion: 59 Resp: 173
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 1.747 ug/l

RT: 2.331 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX047838.D

Acq: 26 Sep 2025 06:40

Instrument :

MSVOA_X

ClientSampleId :

TT190D2-20250918

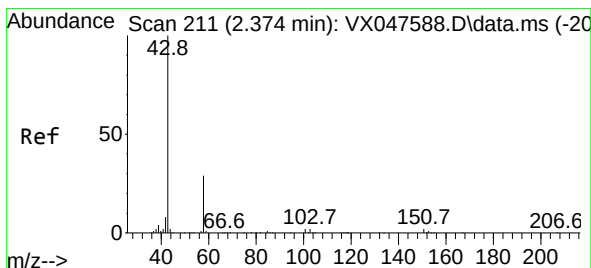
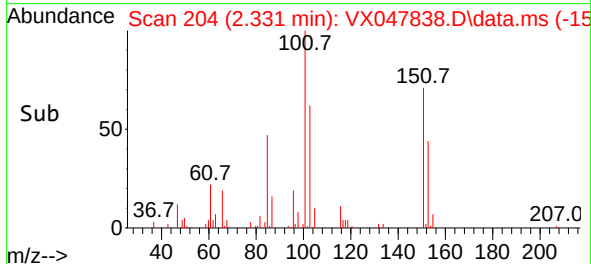
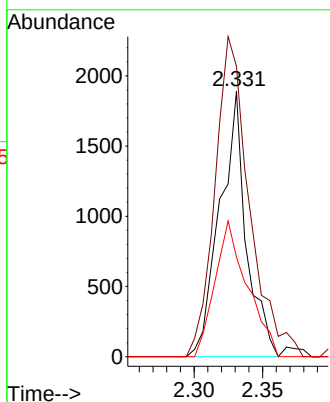
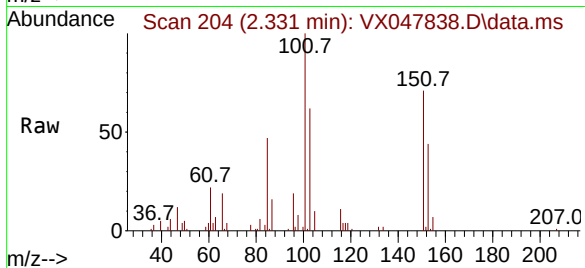
Tgt Ion: 96 Resp: 2533

Ion Ratio Lower Upper

96 100

61 109.5 131.0 196.6#

98 37.6 47.7 71.5#



#16

Acetone

Concen: 2.388 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.006 min

Lab File: VX047838.D

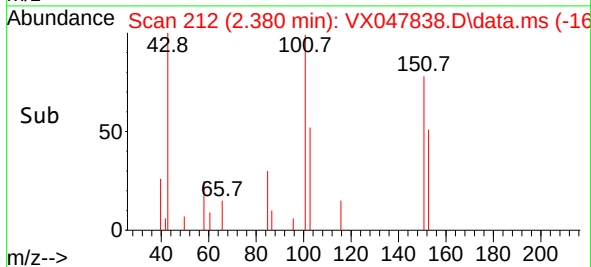
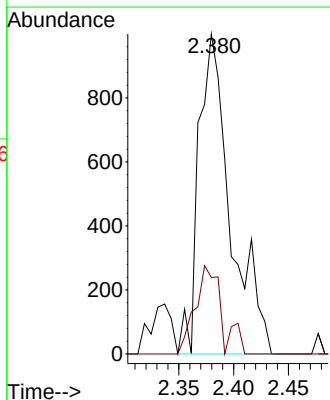
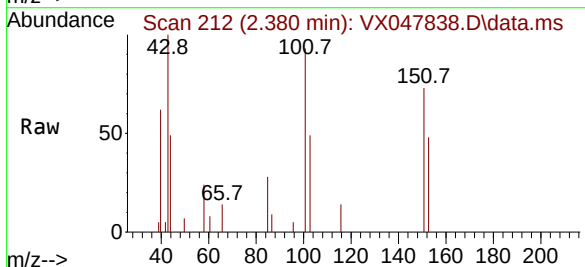
Acq: 26 Sep 2025 06:40

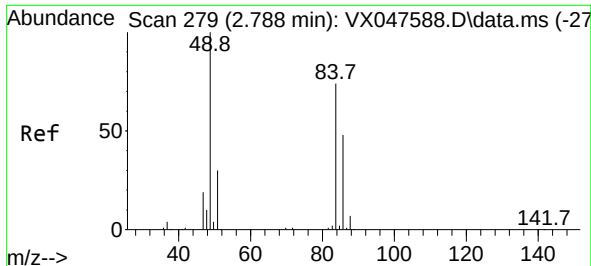
Tgt Ion: 43 Resp: 2017

Ion Ratio Lower Upper

43 100

58 23.9 23.4 35.0

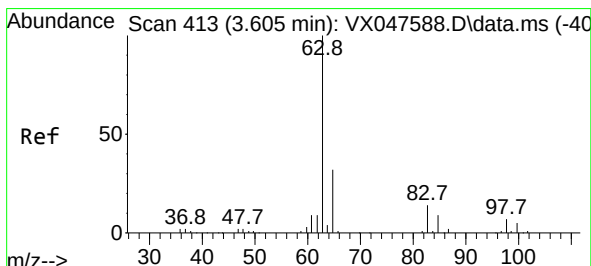
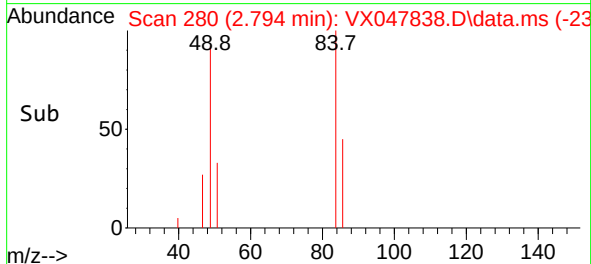
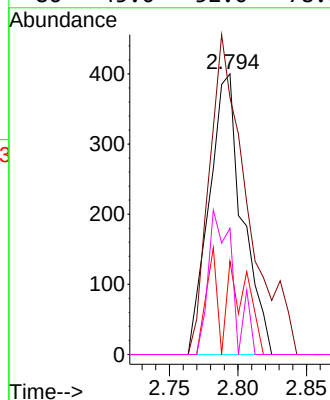
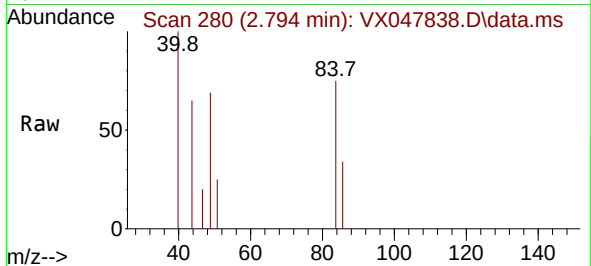




#20
Methylene Chloride
Concen: 0.378 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047838.D
Acq: 26 Sep 2025 06:40

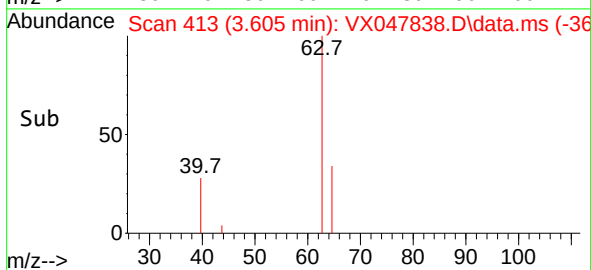
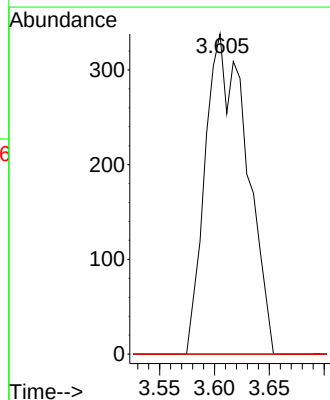
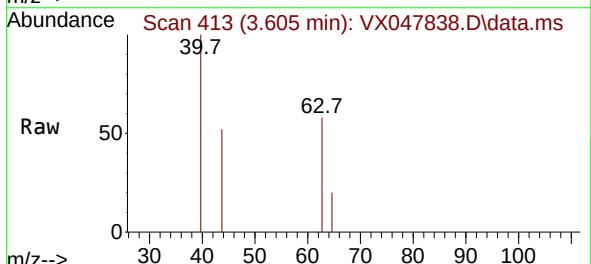
Instrument :
MSVOA_X
ClientSampleId :
TT190D2-20250918

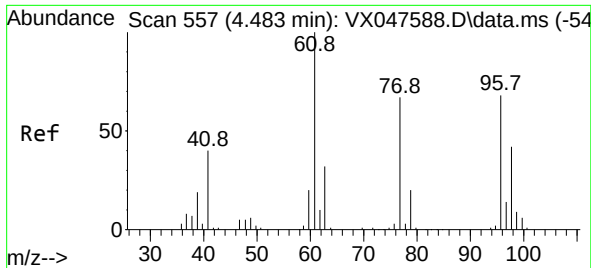
Tgt Ion:	84	Resp:	676
Ion	Ratio	Lower	Upper
84	100		
49	91.5	108.6	162.8#
51	33.2	32.6	48.8
86	45.0	52.0	78.0#



#24
1,1-Dichloroethane
Concen: 0.288 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047838.D
Acq: 26 Sep 2025 06:40

Tgt Ion:	63	Resp:	889
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.8	11.2#
100	0.0	2.3	6.9#





#27

cis-1,2-Dichloroethene

Concen: 1.164 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX047838.D

Acq: 26 Sep 2025 06:40

Instrument :

MSVOA_X

ClientSampleId :

TT190D2-20250918

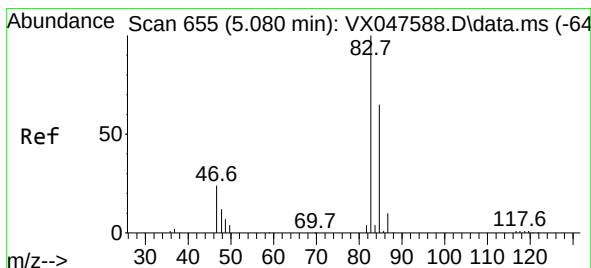
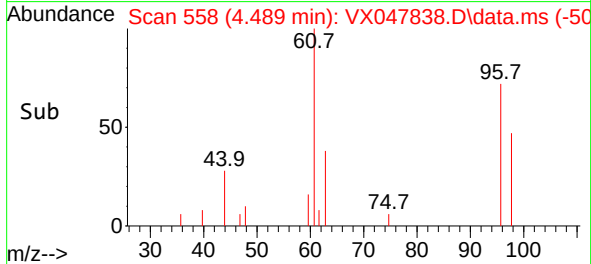
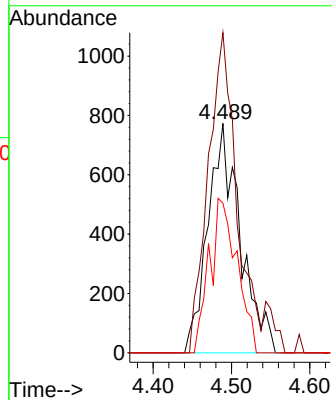
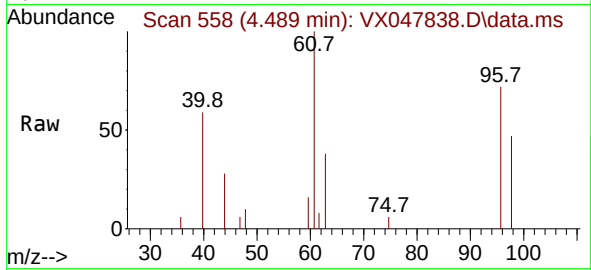
Tgt Ion: 96 Resp: 2225

Ion Ratio Lower Upper

96 100

61 122.4 0.0 303.2

98 57.2 0.0 127.8



#30

Chloroform

Concen: 0.308 ug/l

RT: 5.086 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX047838.D

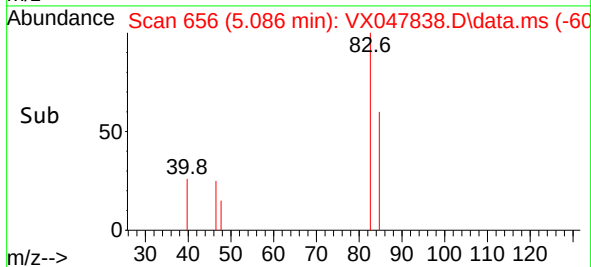
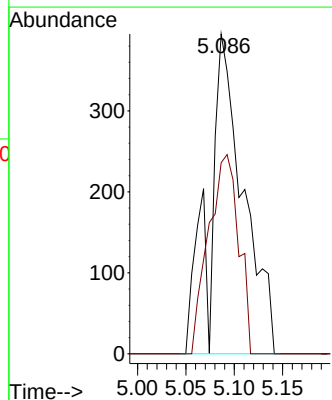
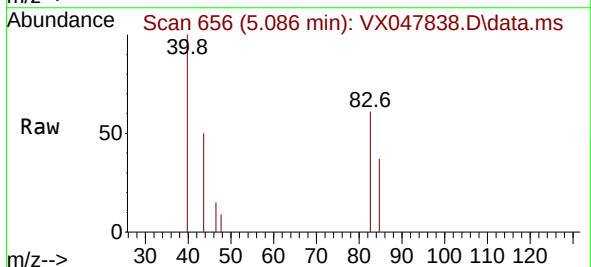
Acq: 26 Sep 2025 06:40

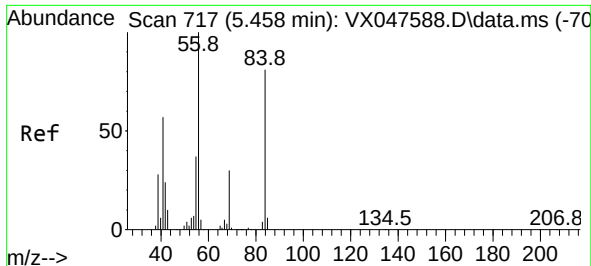
Tgt Ion: 83 Resp: 960

Ion Ratio Lower Upper

83 100

85 59.7 51.8 77.6

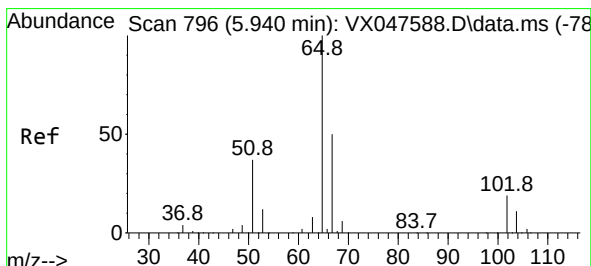
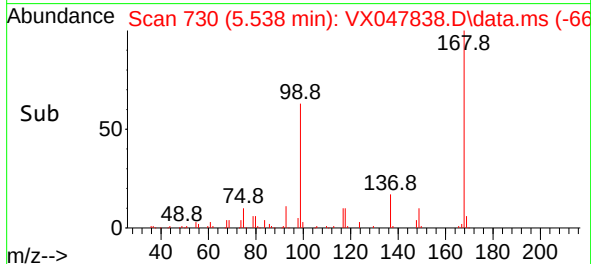
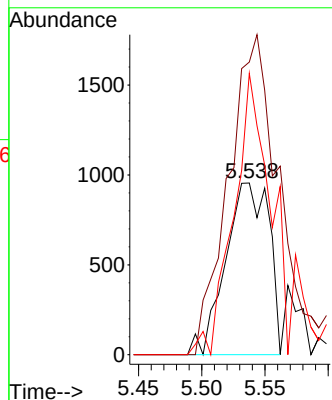
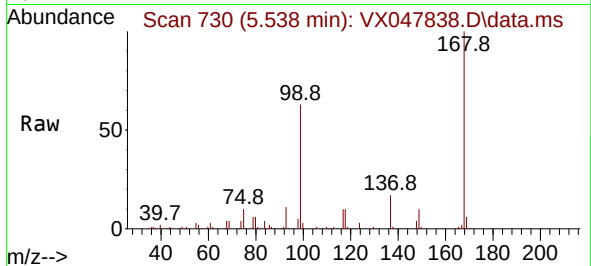




#31
Cyclohexane
Concen: 0.887 ug/l
RT: 5.538 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX047838.D
Acq: 26 Sep 2025 06:40

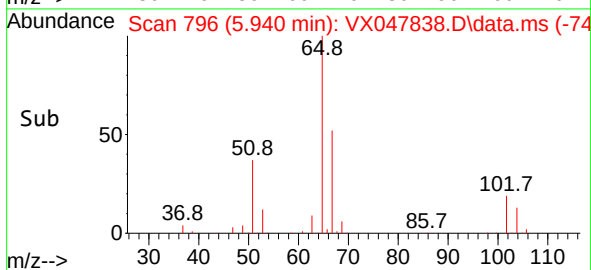
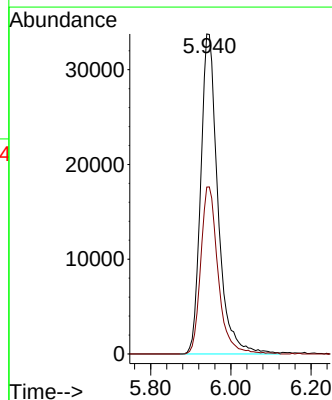
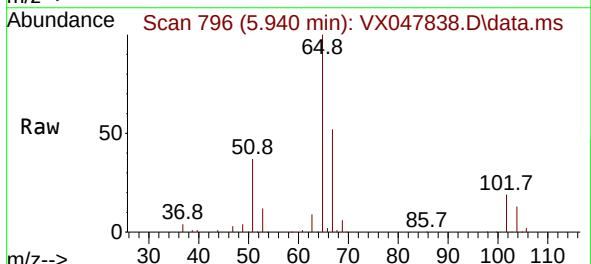
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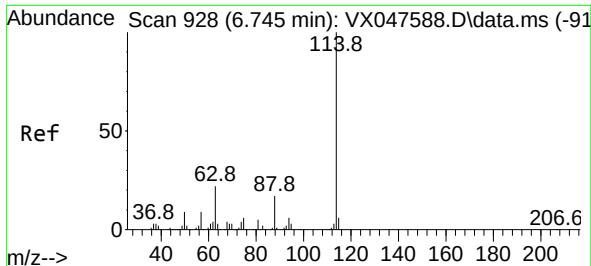
Tgt Ion: 56 Resp: 2278
Ion Ratio Lower Upper
56 100
69 170.5 23.8 35.8#
84 163.9 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 51.804 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX047838.D
Acq: 26 Sep 2025 06:40

Tgt Ion: 65 Resp: 100641
Ion Ratio Lower Upper
65 100
67 52.8 0.0 103.0

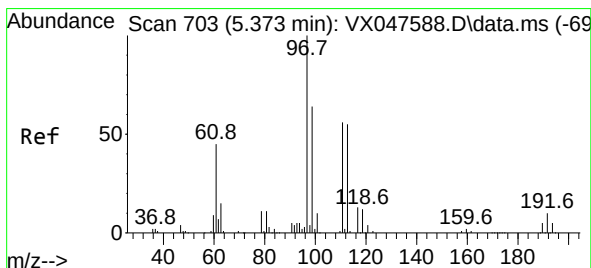
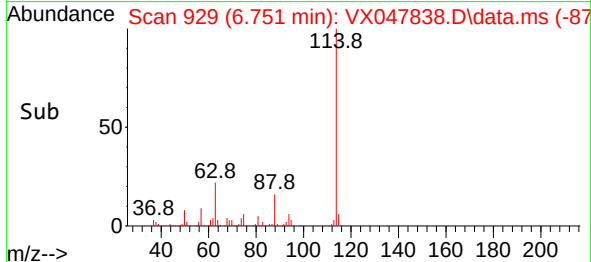
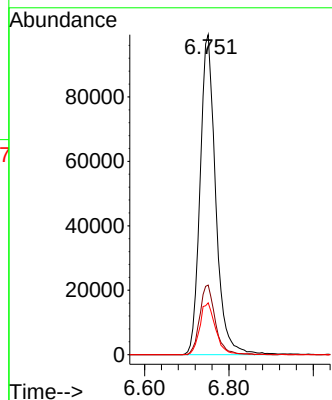
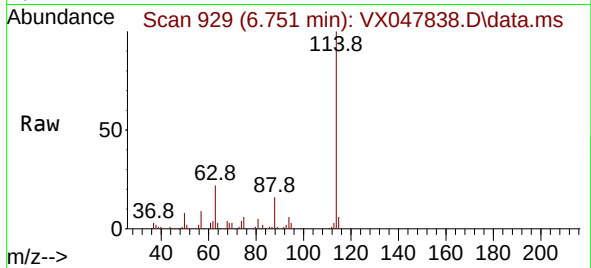




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047838.D
Acq: 26 Sep 2025 06:40

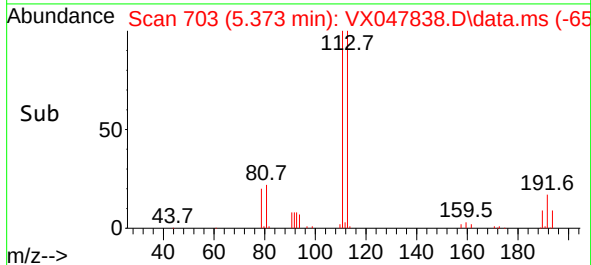
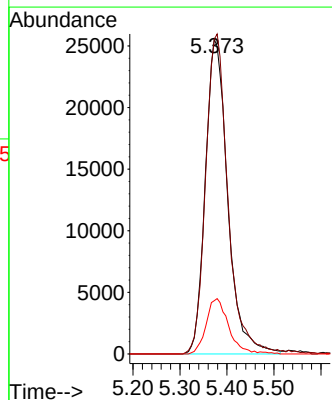
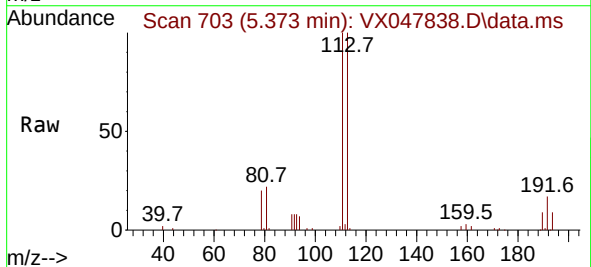
Instrument :
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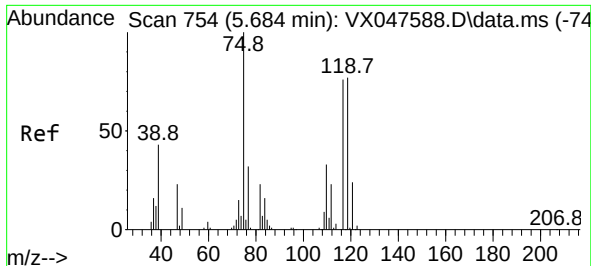
Tgt Ion:114 Resp: 255511
Ion Ratio Lower Upper
114 100
63 21.7 0.0 44.0
88 16.2 0.0 34.2



#35
Dibromofluoromethane
Concen: 49.248 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047838.D
Acq: 26 Sep 2025 06:40

Tgt Ion:113 Resp: 84392
Ion Ratio Lower Upper
113 100
111 101.4 80.9 121.3
192 17.8 14.2 21.4

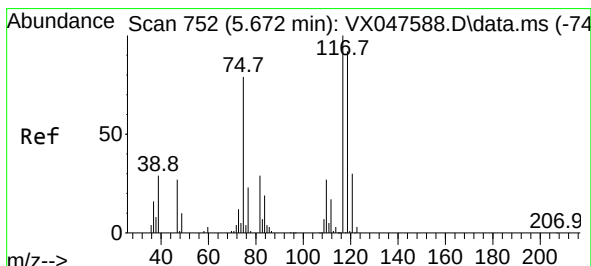
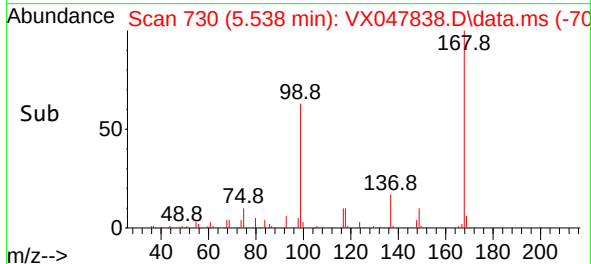
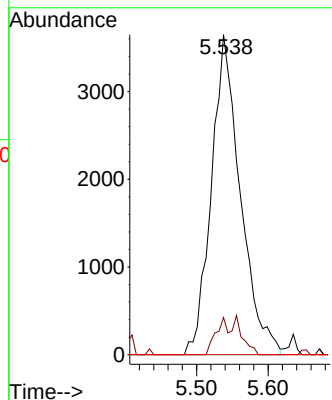
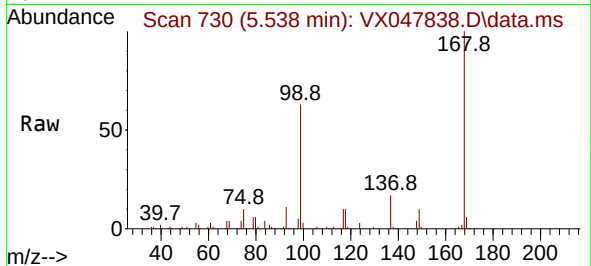




#36
1,1-Dichloropropene
Concen: 4.104 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.146 min
Lab File: VX047838.D
Acq: 26 Sep 2025 06:40

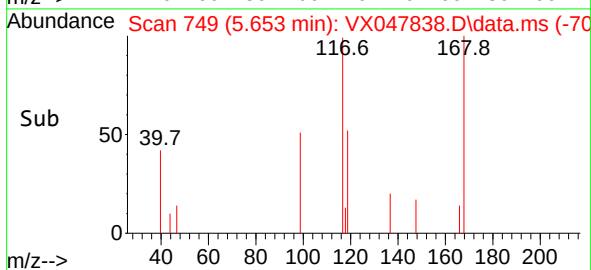
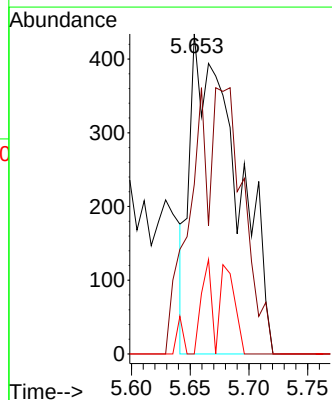
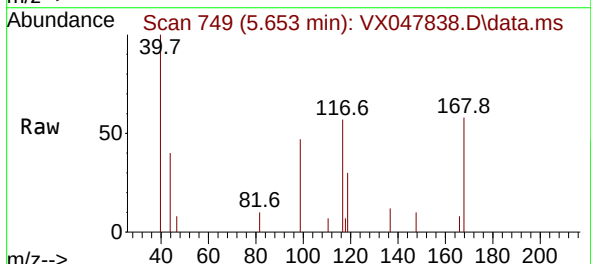
Instrument :
MSVOA_X
ClientSampleId :
TT190D2-20250918

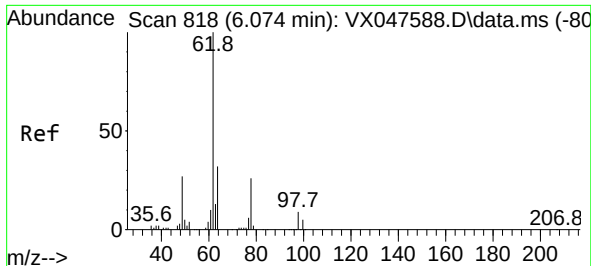
Tgt Ion: 75 Resp: 10277
Ion Ratio Lower Upper
75 100
110 4.7 16.7 50.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 0.438 ug/l
RT: 5.653 min Scan# 749
Delta R.T. -0.018 min
Lab File: VX047838.D
Acq: 26 Sep 2025 06:40

Tgt Ion: 117 Resp: 1191
Ion Ratio Lower Upper
117 100
119 53.0 73.4 110.2#
121 0.0 23.8 35.6#





#42

1,2-Dichloroethane

Concen: 0.291 ug/l

RT: 6.080 min Scan# 818

Delta R.T. 0.006 min

Lab File: VX047838.D

Acq: 26 Sep 2025 06:40

Instrument :

MSVOA_X

ClientSampleId :

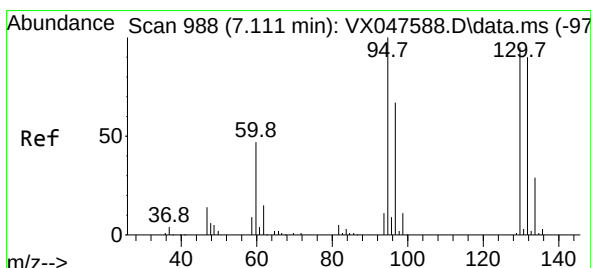
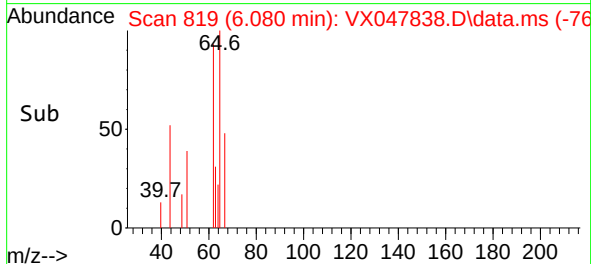
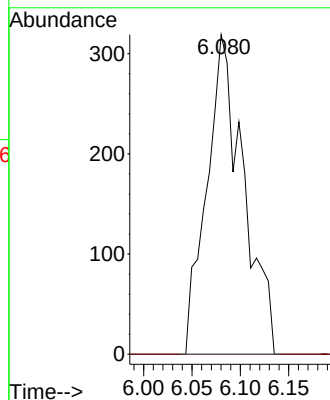
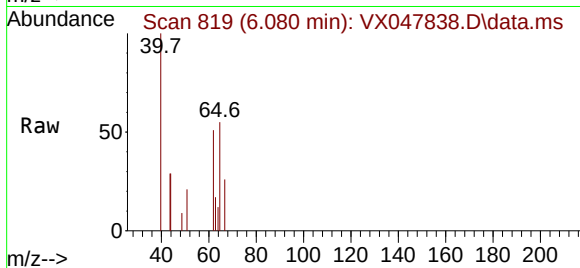
TT190D2-20250918

Tgt Ion: 62 Resp: 841

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0



#44

Trichloroethene

Concen: 53.466 ug/l

RT: 7.110 min Scan# 988

Delta R.T. -0.000 min

Lab File: VX047838.D

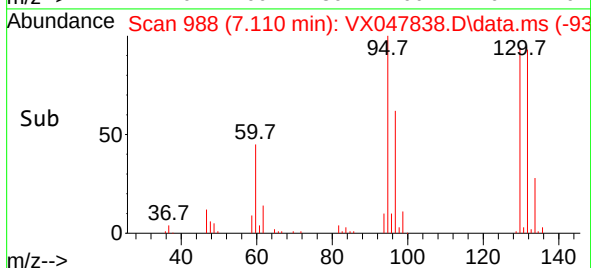
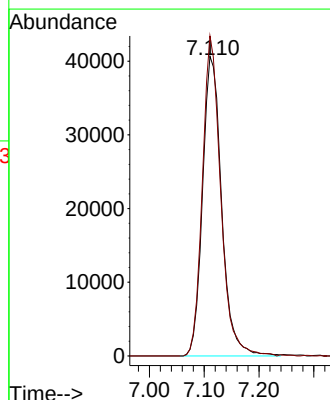
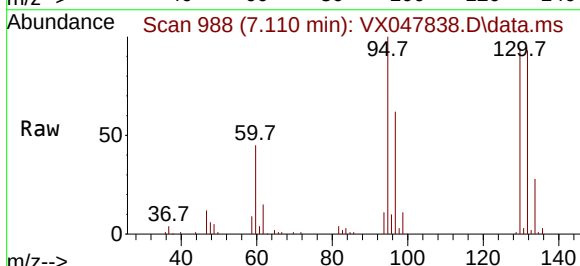
Acq: 26 Sep 2025 06:40

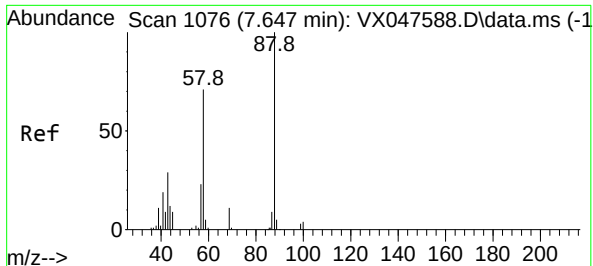
Tgt Ion:130 Resp: 98305

Ion Ratio Lower Upper

130 100

95 106.8 0.0 210.8





#49

1,4-Dioxane

Concen: 4.292 ug/l

RT: 7.665 min Scan# 1079

Delta R.T. 0.018 min

Lab File: VX047838.D

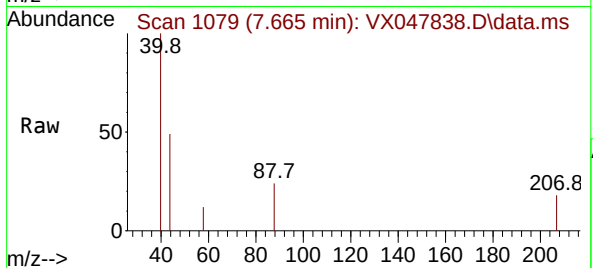
Acq: 26 Sep 2025 06:40

Instrument :

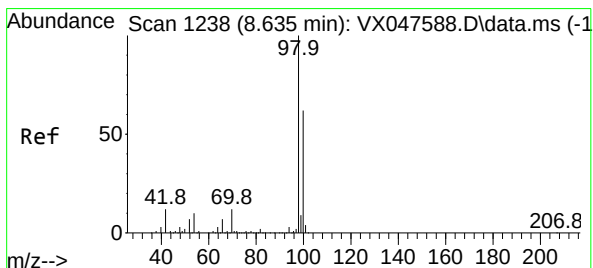
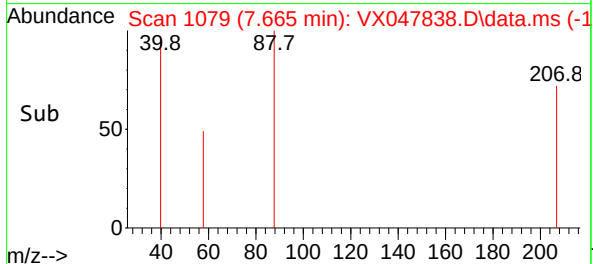
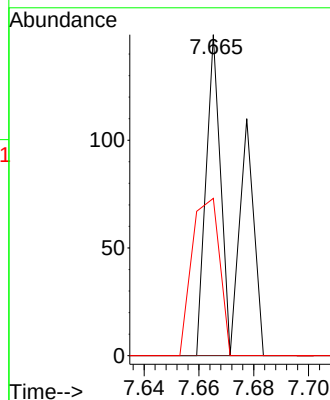
MSVOA_X

ClientSampleId :

TT190D2-20250918



Tgt Ion:	88	Resp:	95
Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.2	45.2#
58	53.7	59.5	89.3#



#50

Toluene-d8

Concen: 48.744 ug/l

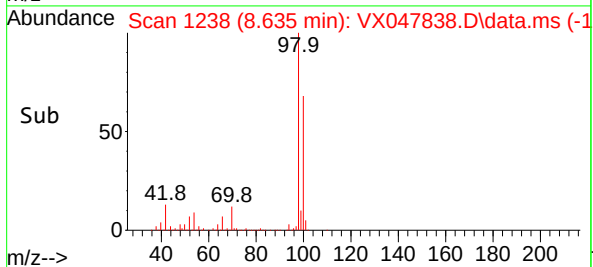
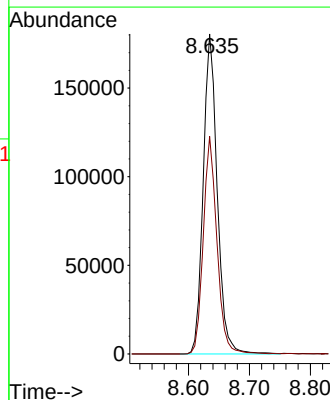
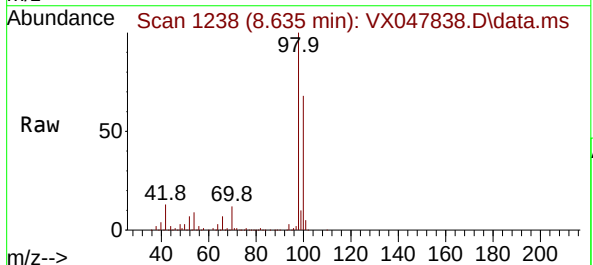
RT: 8.635 min Scan# 1238

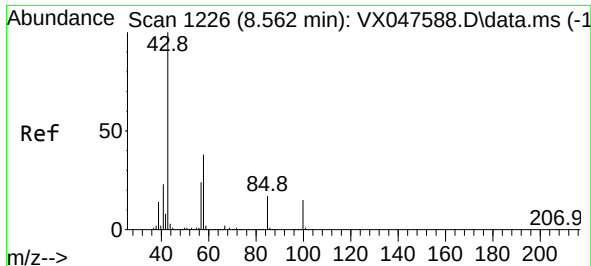
Delta R.T. -0.000 min

Lab File: VX047838.D

Acq: 26 Sep 2025 06:40

Tgt Ion:	98	Resp:	289019
Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.0	79.4

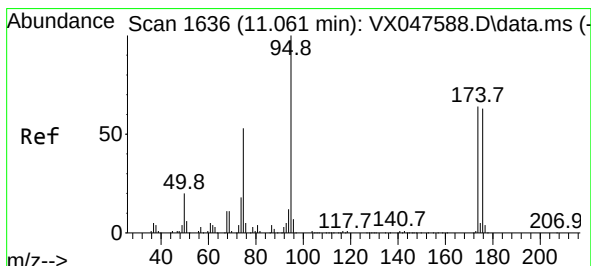
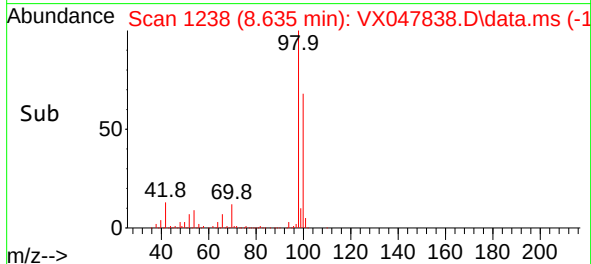
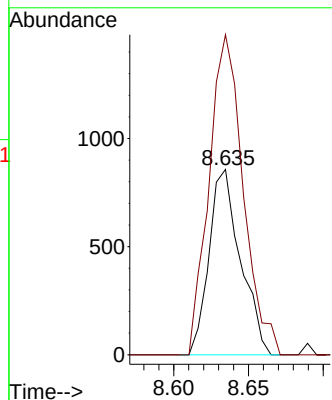
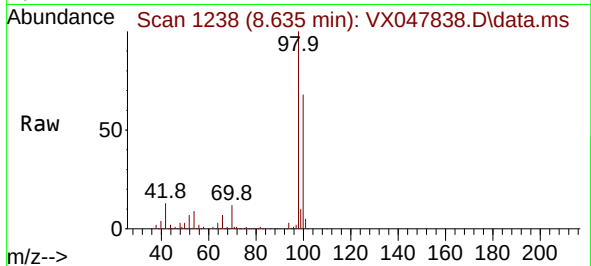




#51
4-Methyl-2-Pentanone
Concen: 0.514 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX047838.D
Acq: 26 Sep 2025 06:40

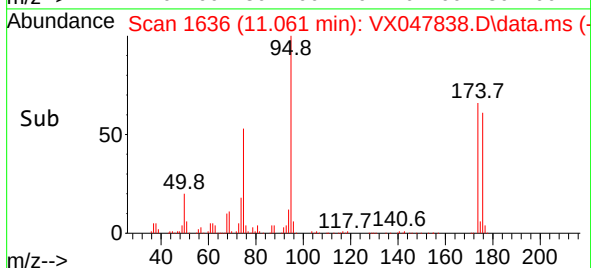
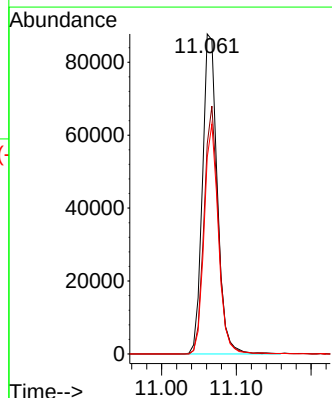
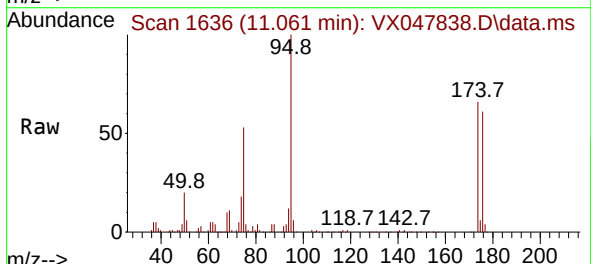
Instrument :
MSVOA_X
ClientSampleId :
TT190D2-20250918

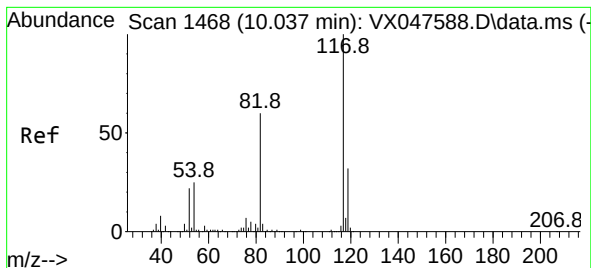
Tgt Ion: 43 Resp: 1253
Ion Ratio Lower Upper
43 100
58 187.7 30.3 45.5#



#62
4-Bromofluorobenzene
Concen: 53.759 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047838.D
Acq: 26 Sep 2025 06:40

Tgt Ion: 95 Resp: 120975
Ion Ratio Lower Upper
95 100
174 74.9 0.0 141.6
176 69.1 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: VX047838.D

Acq: 26 Sep 2025 06:40

Instrument :

MSVOA_X

ClientSampleId :

TT190D2-20250918

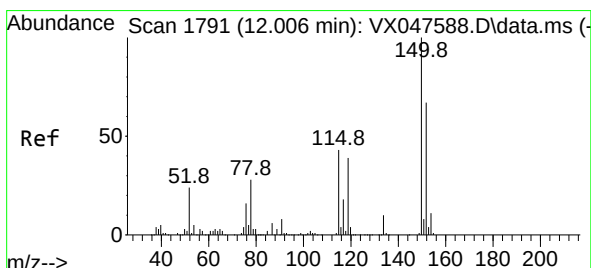
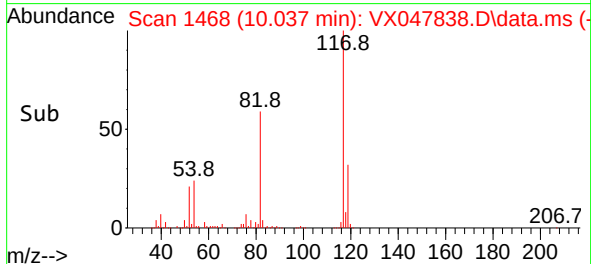
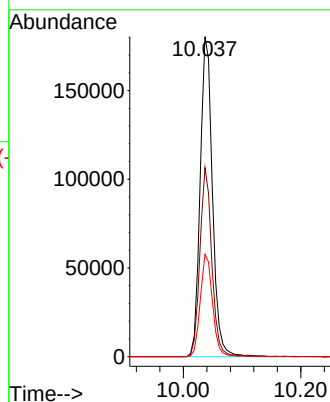
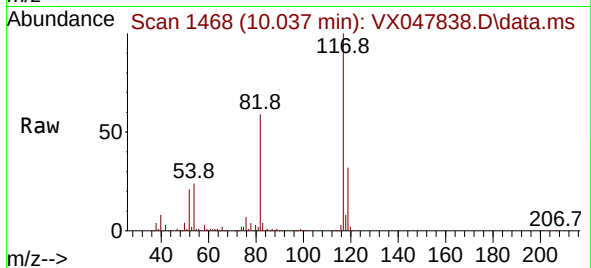
Tgt Ion:117 Resp: 261991

Ion Ratio Lower Upper

117 100

82 59.1 47.8 71.6

119 32.0 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: VX047838.D

Acq: 26 Sep 2025 06:40

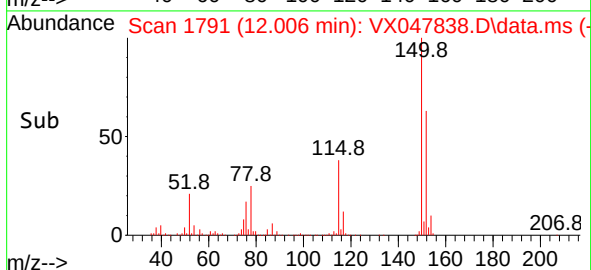
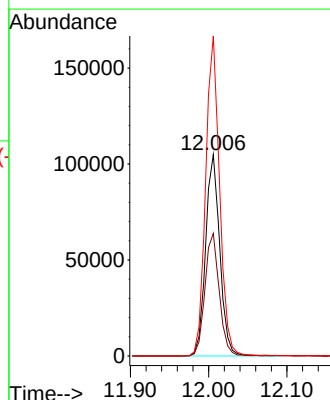
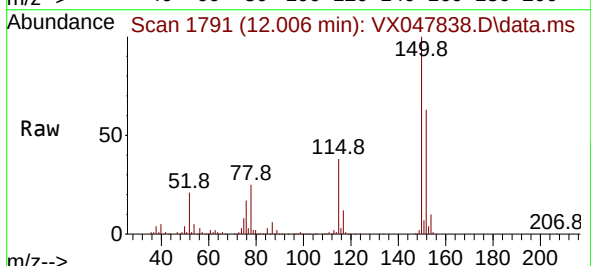
Tgt Ion:152 Resp: 131382

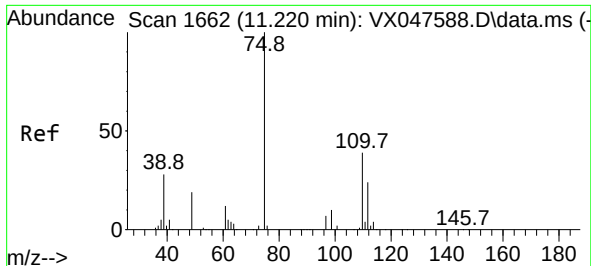
Ion Ratio Lower Upper

152 100

115 61.8 44.9 134.5

150 156.7 0.0 352.0

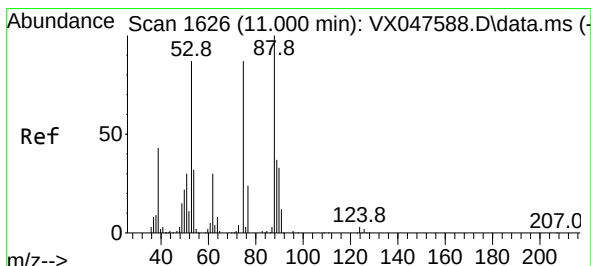
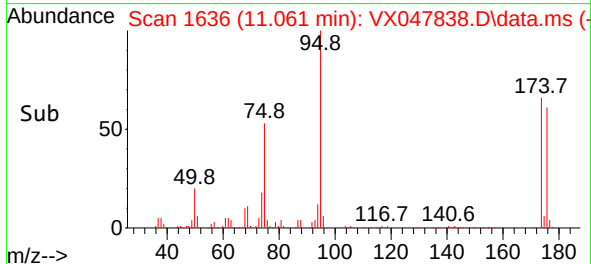
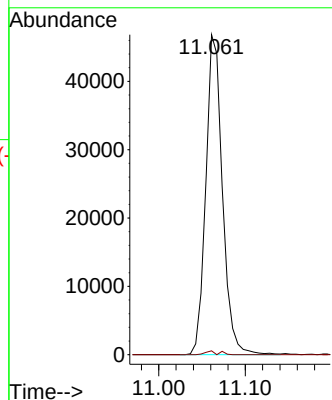
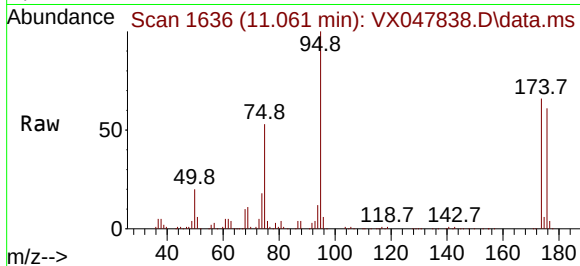




#76
1,2,3-Trichloropropane
Concen: 23.485 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047838.D
Acq: 26 Sep 2025 06:40

Instrument :
MSVOA_X
ClientSampleId :
TT190D2-20250918

Tgt Ion: 75 Resp: 62472
Ion Ratio Lower Upper
75 100
77 0.9 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 59.890 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047838.D
Acq: 26 Sep 2025 06:40

Tgt Ion: 75 Resp: 62472
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

