

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092525\
 Data File : VX047834.D
 Acq On : 26 Sep 2025 05:16
 Operator : JC/MD
 Sample : Q3156-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT189D2-20250918

Quant Time: Sep 26 06:56:02 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

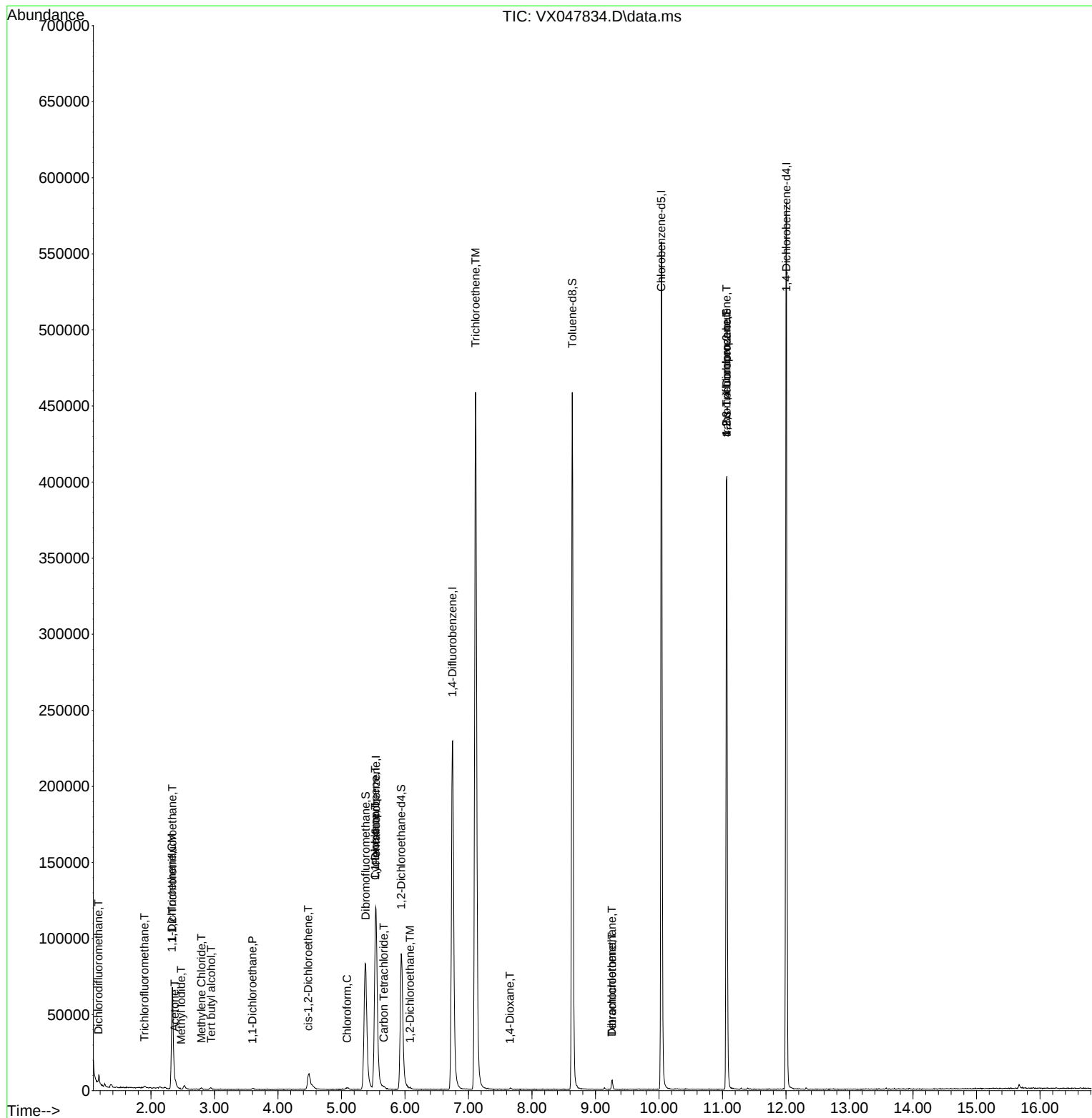
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.544	168	120109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	251769	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	256491	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	124851	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	97912	51.214	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.420%
35) Dibromofluoromethane	5.379	113	81445	48.235	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.480%
50) Toluene-d8	8.635	98	281454	48.173	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.340%
62) 4-Bromofluorobenzene	11.061	95	118628	53.500	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	107.000%
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.173	85	1034	0.831	ug/l	96
7) Trichlorofluoromethane	1.898	101	563	0.237	ug/l #	81
9) 1,1,2-Trichlorotrifluo...	2.337	101	29199	21.018	ug/l	99
10) Methyl Iodide	2.477	142	474	0.219	ug/l #	85
11) Tert butyl alcohol	2.947	59	551	2.588	ug/l #	72
12) 1,1-Dichloroethene	2.331	96	2567	1.799	ug/l	87
16) Acetone	2.374	43	2385	2.869	ug/l #	45
20) Methylene Chloride	2.794	84	353	0.201	ug/l #	84
24) 1,1-Dichloroethane	3.599	63	905	0.298	ug/l #	81
27) cis-1,2-Dichloroethene	4.477	96	7845	4.169	ug/l	88
30) Chloroform	5.087	83	1429	0.466	ug/l	92
31) Cyclohexane	5.532	56	2768	1.096	ug/l #	22
36) 1,1-Dichloropropene	5.532	75	10248	4.154	ug/l #	49
38) Carbon Tetrachloride	5.666	117	1118	0.417	ug/l #	75
42) 1,2-Dichloroethane	6.080	62	645	0.226	ug/l #	76
44) Trichloroethene	7.111	130	191140	105.501	ug/l	98
49) 1,4-Dioxane	7.653	88	640	29.344	ug/l #	84
60) Dibromochloromethane	9.257	129	1034	0.504	ug/l #	11
64) Tetrachloroethene	9.257	164	1218	0.728	ug/l	88
76) 1,2,3-Trichloropropane	11.061	75	61092	24.168	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	61092	61.631	ug/l #	8

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

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TT189D2-20250918

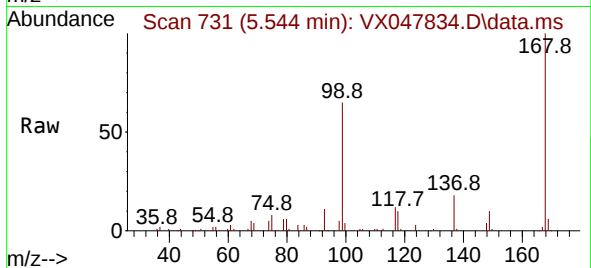
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



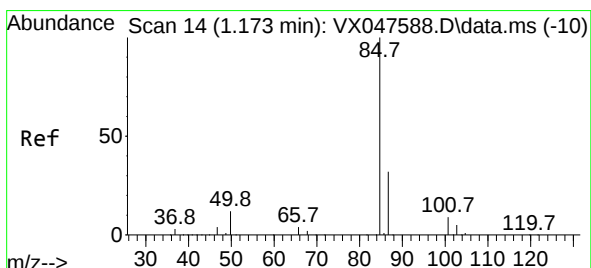
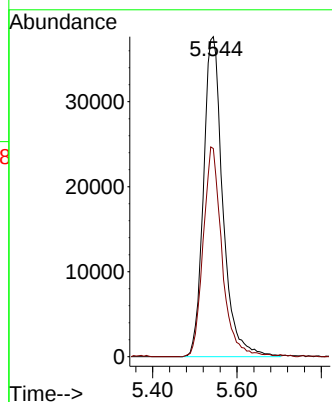
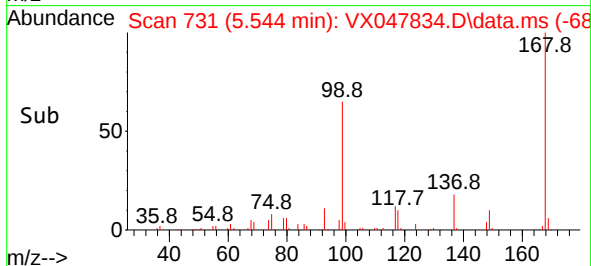


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047834.D
Acq: 26 Sep 2025 05:16

Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250918

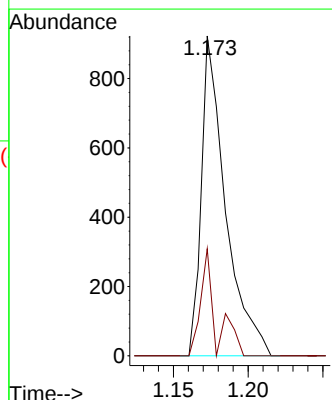
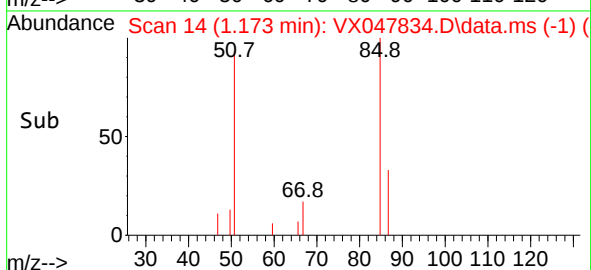
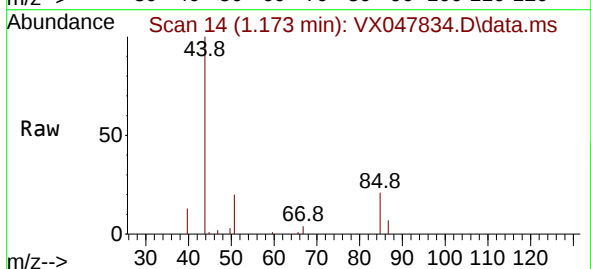


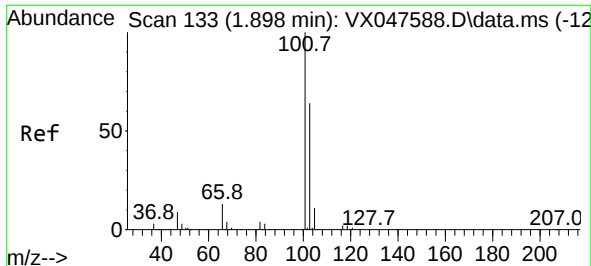
Tgt Ion:168 Resp: 120109
Ion Ratio Lower Upper
168 100
99 65.0 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 0.831 ug/l
RT: 1.173 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047834.D
Acq: 26 Sep 2025 05:16

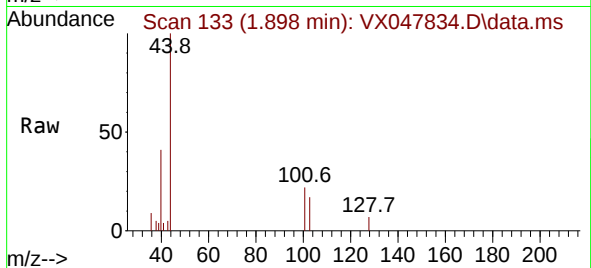
Tgt Ion: 85 Resp: 1034
Ion Ratio Lower Upper
85 100
87 33.5 15.8 47.3



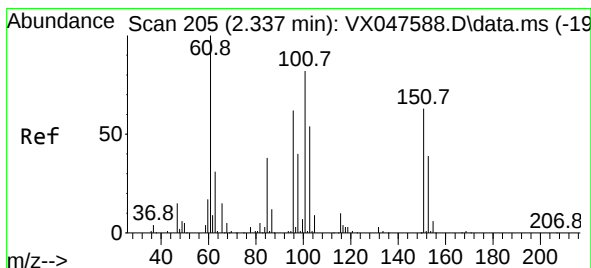
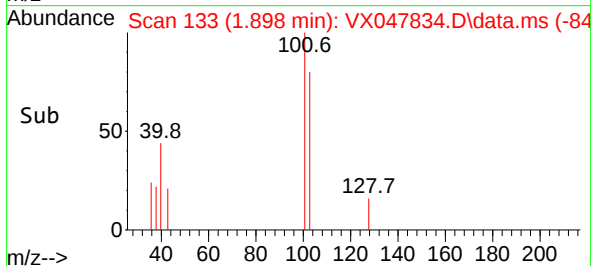
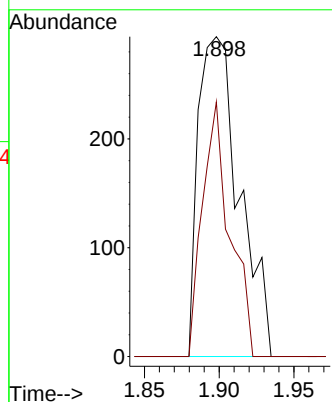


#7
 Trichlorofluoromethane
 Concen: 0.237 ug/l
 RT: 1.898 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047834.D
 Acq: 26 Sep 2025 05:16

Instrument :
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 ClientSampleId :
 TT189D2-20250918

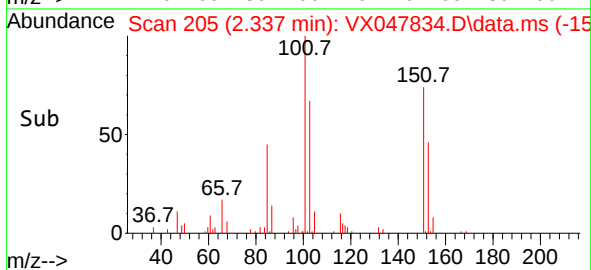
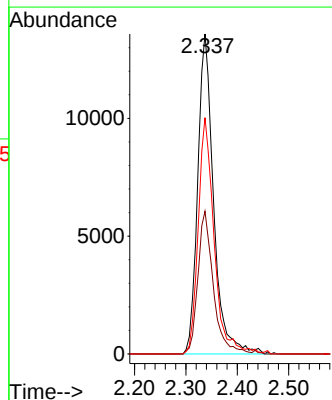
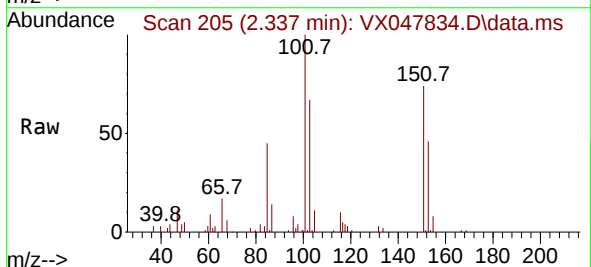


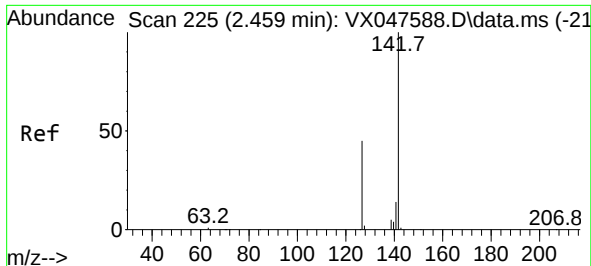
Tgt Ion:101 Resp: 563
 Ion Ratio Lower Upper
 101 100
 103 79.6 51.4 77.2#



#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 21.018 ug/l
 RT: 2.337 min Scan# 205
 Delta R.T. 0.000 min
 Lab File: VX047834.D
 Acq: 26 Sep 2025 05:16

Tgt Ion:101 Resp: 29199
 Ion Ratio Lower Upper
 101 100
 85 43.5 35.5 53.3
 151 73.8 59.4 89.0

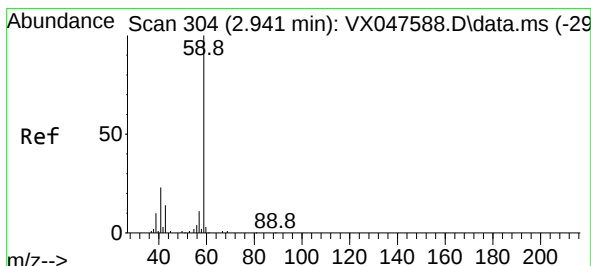
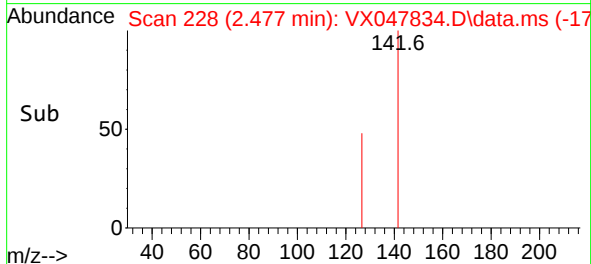
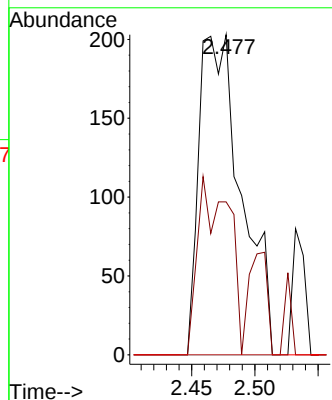
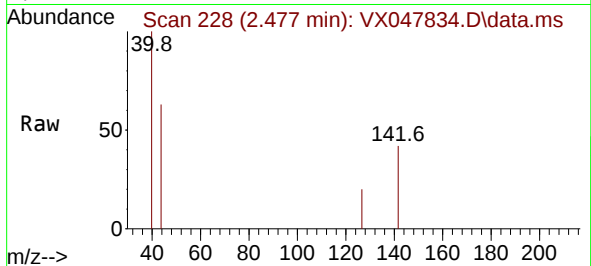




#10
Methyl Iodide
Concen: 0.219 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.018 min
Lab File: VX047834.D
Acq: 26 Sep 2025 05:16

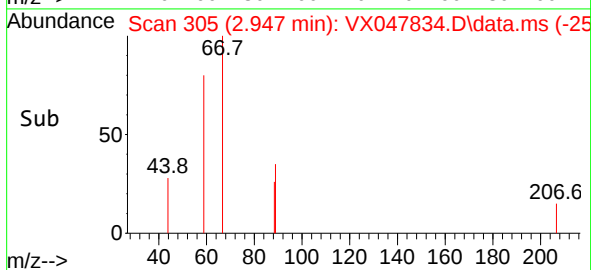
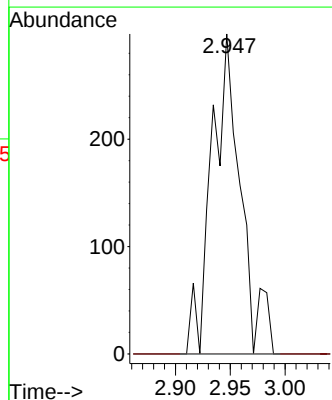
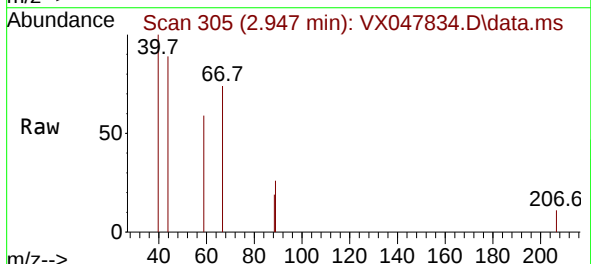
Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250918

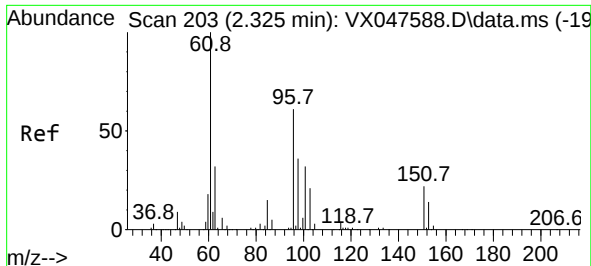
Tgt Ion:142 Resp: 474
Ion Ratio Lower Upper
142 100
127 40.7 37.2 55.8
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 2.588 ug/l
RT: 2.947 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX047834.D
Acq: 26 Sep 2025 05:16

Tgt Ion: 59 Resp: 551
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 1.799 ug/l

RT: 2.331 min Scan# 203

Delta R.T. 0.006 min

Lab File: VX047834.D

Acq: 26 Sep 2025 05:16

Instrument :

MSVOA_X

ClientSampleId :

TT189D2-20250918

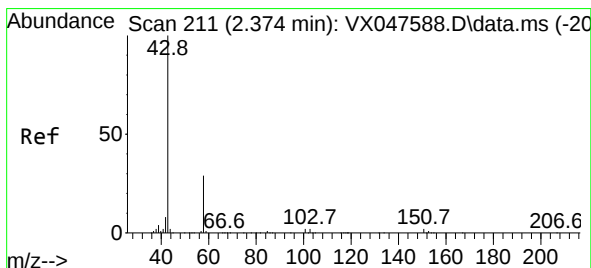
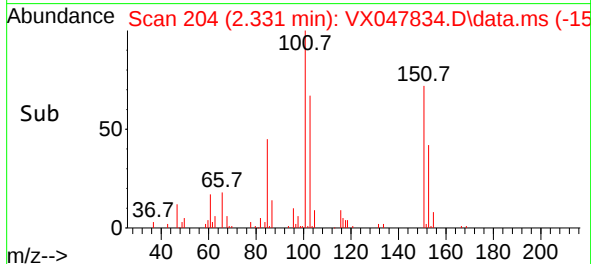
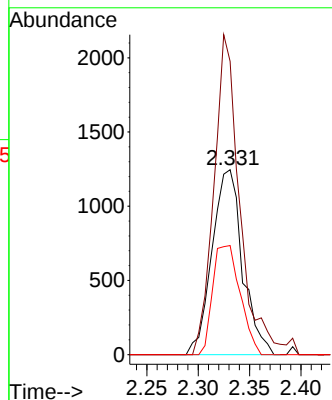
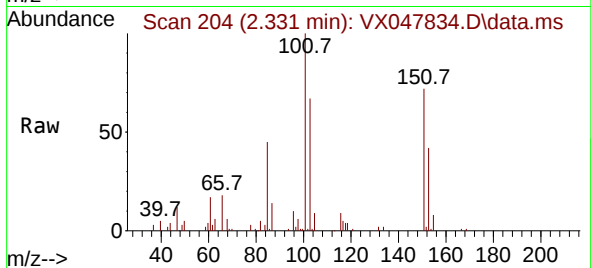
Tgt Ion: 96 Resp: 2567

Ion Ratio Lower Upper

96 100

61 187.4 131.0 196.6

98 59.0 47.7 71.5



#16

Acetone

Concen: 2.869 ug/l

RT: 2.374 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX047834.D

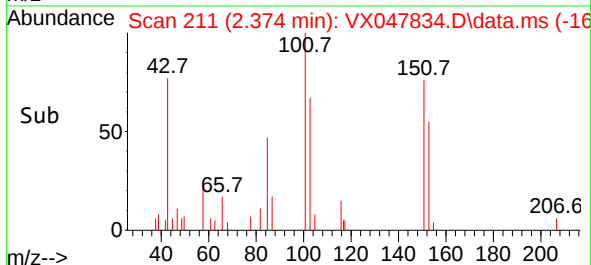
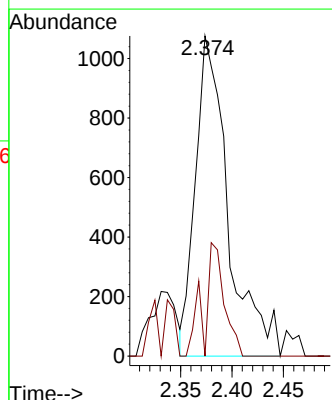
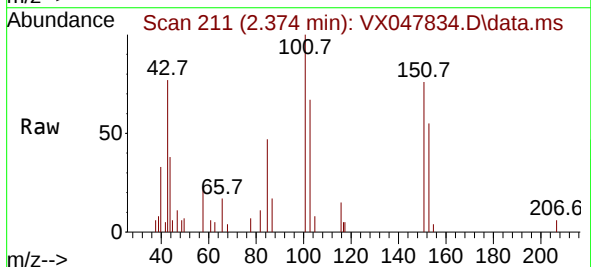
Acq: 26 Sep 2025 05:16

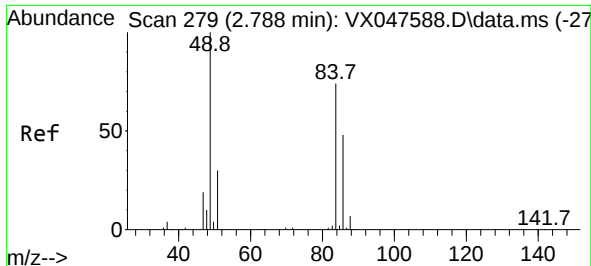
Tgt Ion: 43 Resp: 2385

Ion Ratio Lower Upper

43 100

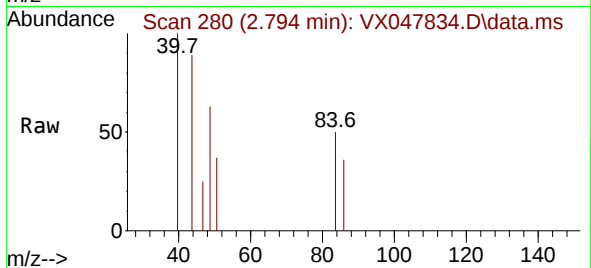
58 0.0 23.4 35.0#



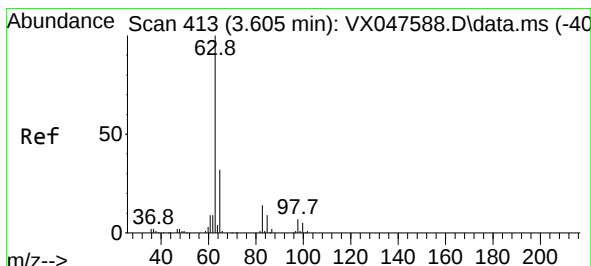
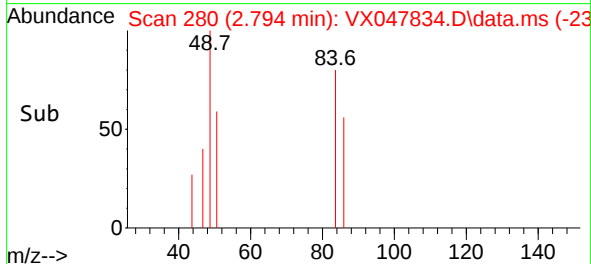
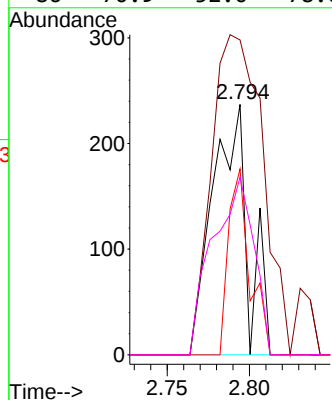


#20
Methylene Chloride
Concen: 0.201 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047834.D
Acq: 26 Sep 2025 05:16

Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250918

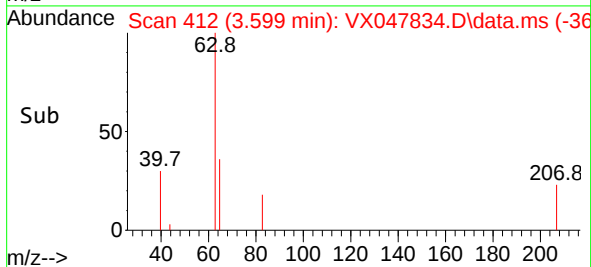
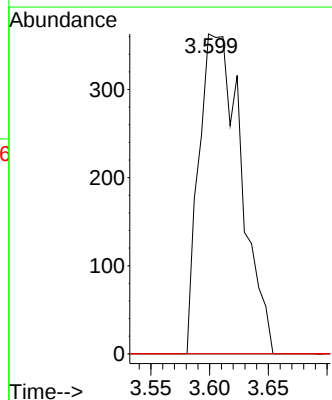
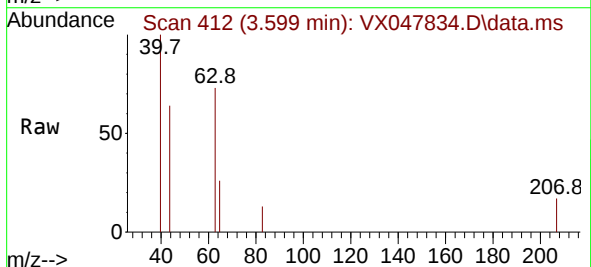


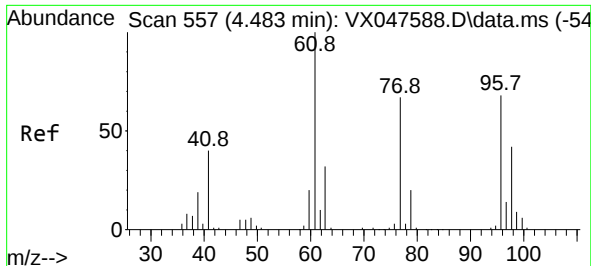
Tgt Ion: 84 Resp: 353
Ion Ratio Lower Upper
84 100
49 125.7 108.6 162.8
51 74.3 32.6 48.8#
86 70.9 52.0 78.0



#24
1,1-Dichloroethane
Concen: 0.298 ug/l
RT: 3.599 min Scan# 412
Delta R.T. -0.006 min
Lab File: VX047834.D
Acq: 26 Sep 2025 05:16

Tgt Ion: 63 Resp: 905
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: 4.169 ug/l

RT: 4.477 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX047834.D

Acq: 26 Sep 2025 05:16

Instrument :

MSVOA_X

ClientSampleId :

TT189D2-20250918

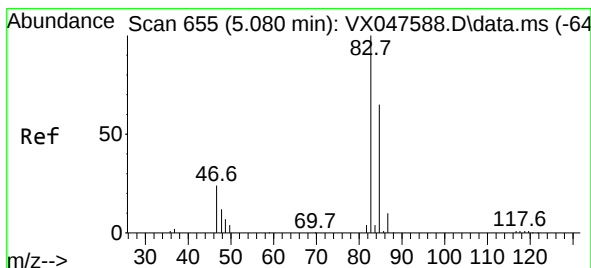
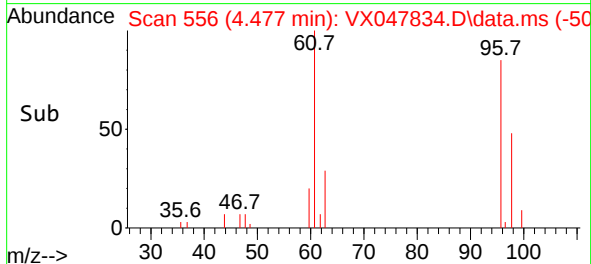
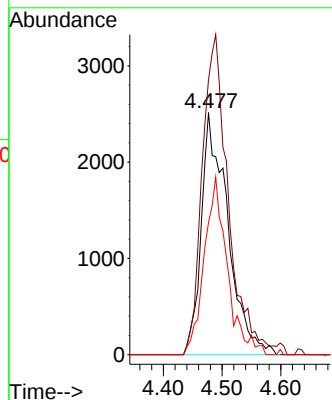
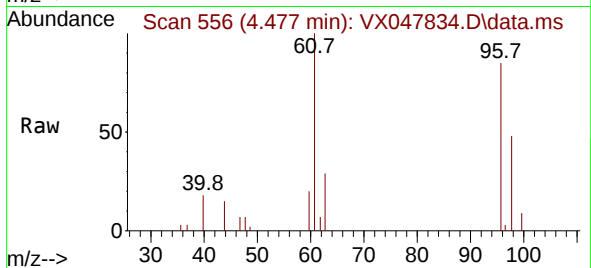
Tgt Ion: 96 Resp: 7845

Ion Ratio Lower Upper

96 100

61 130.7 0.0 303.2

98 64.0 0.0 127.8



#30

Chloroform

Concen: 0.466 ug/l

RT: 5.087 min Scan# 656

Delta R.T. 0.006 min

Lab File: VX047834.D

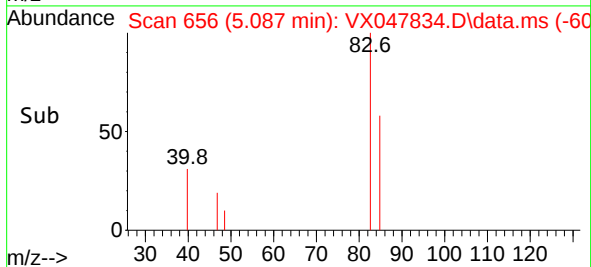
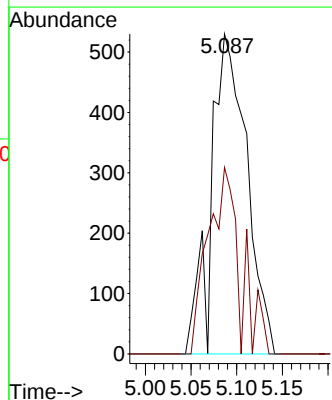
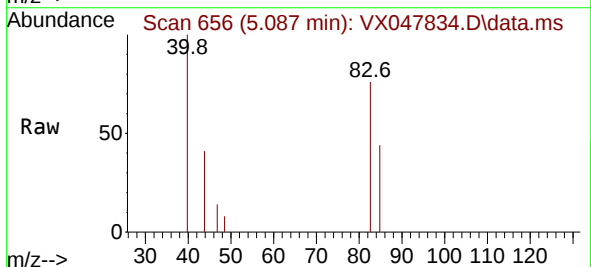
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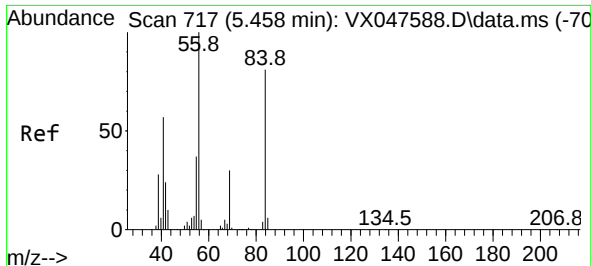
Tgt Ion: 83 Resp: 1429

Ion Ratio Lower Upper

83 100

85 58.3 51.8 77.6

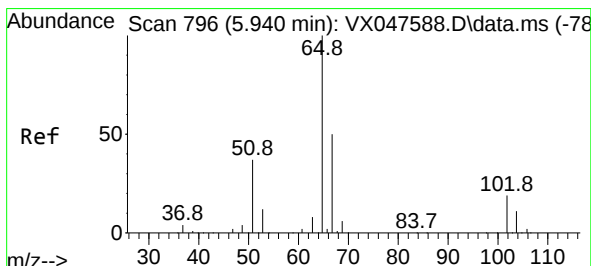
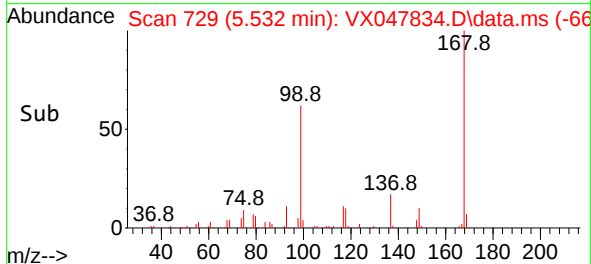
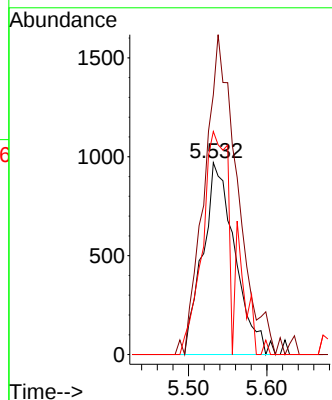
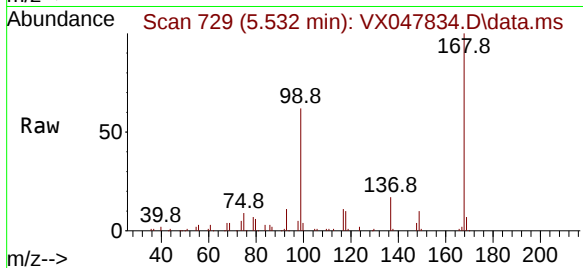




#31
Cyclohexane
Concen: 1.096 ug/l
RT: 5.532 min Scan# 717
Delta R.T. 0.073 min
Lab File: VX047834.D
Acq: 26 Sep 2025 05:16

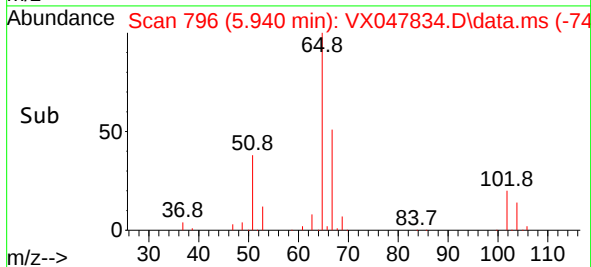
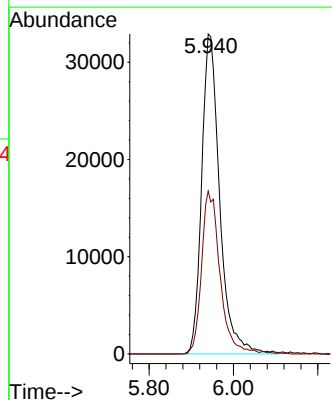
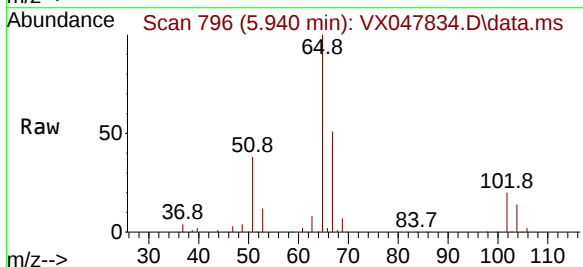
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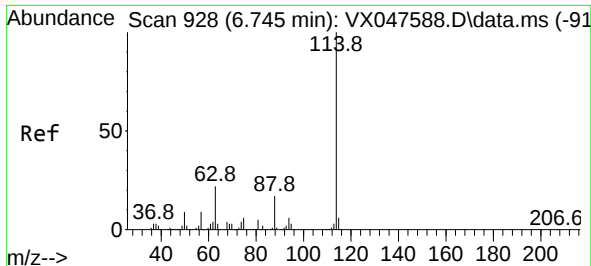
Tgt Ion: 56 Resp: 2768
Ion Ratio Lower Upper
56 100
69 127.7 23.8 35.8#
84 116.3 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 51.214 ug/l
RT: 5.940 min Scan# 796
Delta R.T. 0.000 min
Lab File: VX047834.D
Acq: 26 Sep 2025 05:16

Tgt Ion: 65 Resp: 97912
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.0

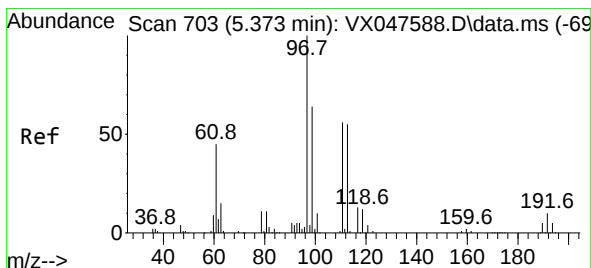
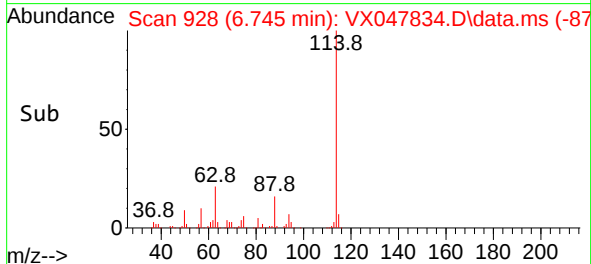
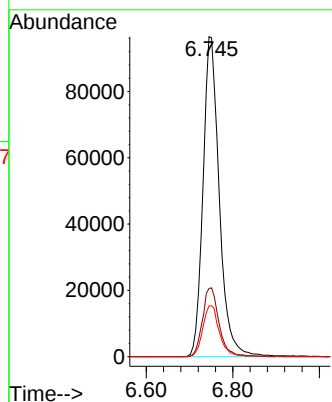
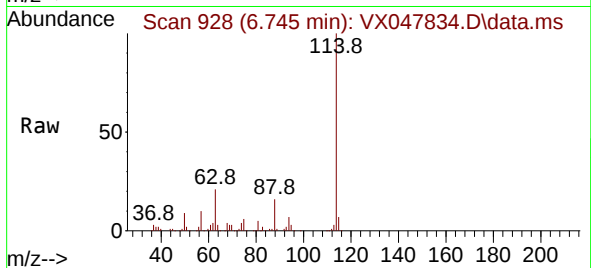




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.745 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX047834.D
Acq: 26 Sep 2025 05:16

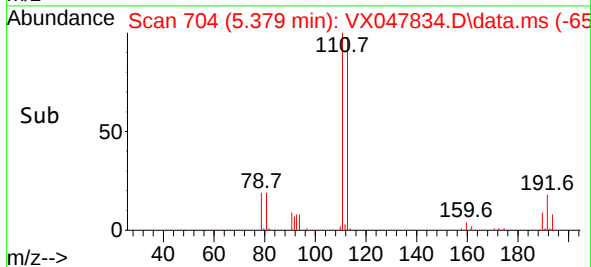
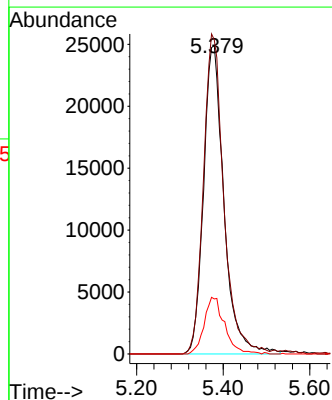
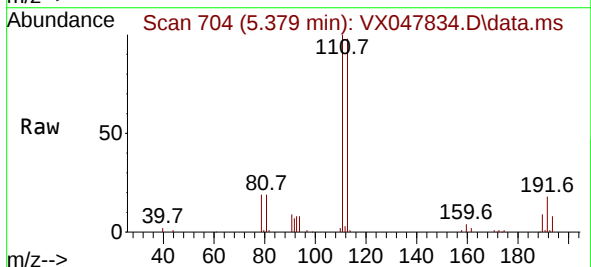
Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250918

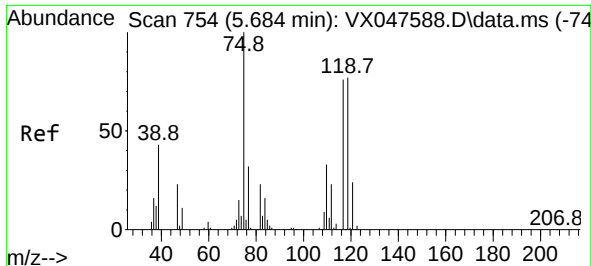
Tgt Ion:114 Resp: 251769
Ion Ratio Lower Upper
114 100
63 21.3 0.0 44.0
88 15.9 0.0 34.2



#35
Dibromofluoromethane
Concen: 48.235 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047834.D
Acq: 26 Sep 2025 05:16

Tgt Ion:113 Resp: 81445
Ion Ratio Lower Upper
113 100
111 103.2 80.9 121.3
192 18.4 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.154 ug/l

RT: 5.532 min Scan# 71

Delta R.T. -0.152 min

Lab File: VX047834.D

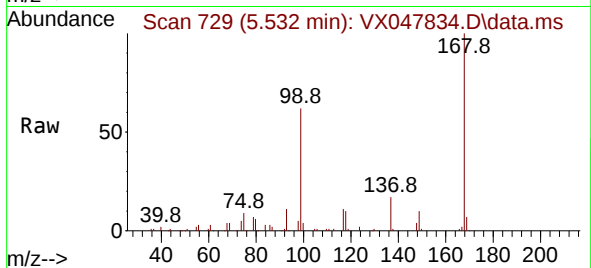
Acq: 26 Sep 2025 05:16

Instrument :

MSVOA_X

ClientSampleId :

TT189D2-20250918



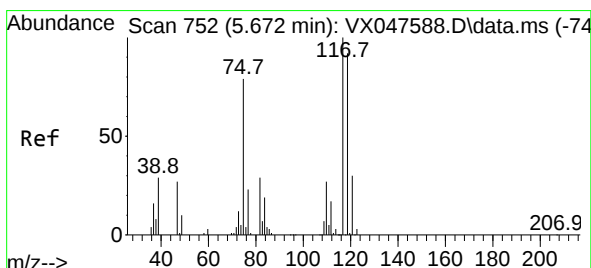
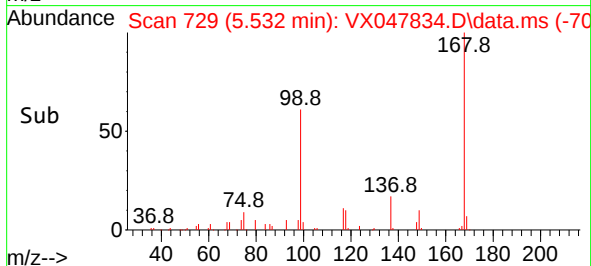
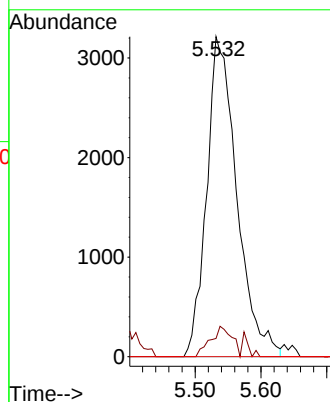
Tgt Ion: 75 Resp: 10248

Ion Ratio Lower Upper

75 100

110 6.7 16.7 50.1#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 0.417 ug/l

RT: 5.666 min Scan# 751

Delta R.T. -0.006 min

Lab File: VX047834.D

Acq: 26 Sep 2025 05:16

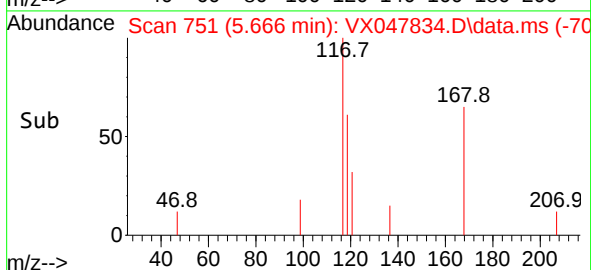
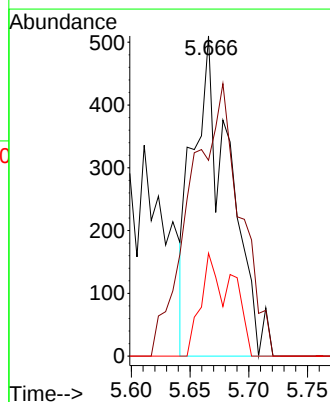
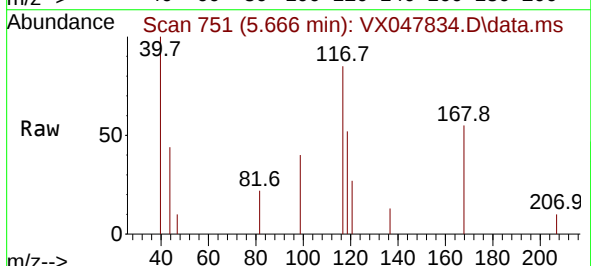
Tgt Ion: 117 Resp: 1118

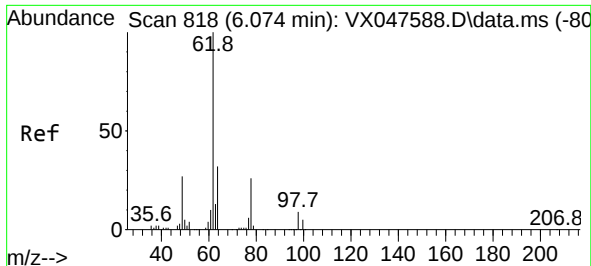
Ion Ratio Lower Upper

117 100

119 61.2 73.4 110.2#

121 32.2 23.8 35.6





#42

1,2-Dichloroethane

Concen: 0.226 ug/l

RT: 6.080 min Scan# 81

Delta R.T. 0.006 min

Lab File: VX047834.D

Acq: 26 Sep 2025 05:16

Instrument :

MSVOA_X

ClientSampleId :

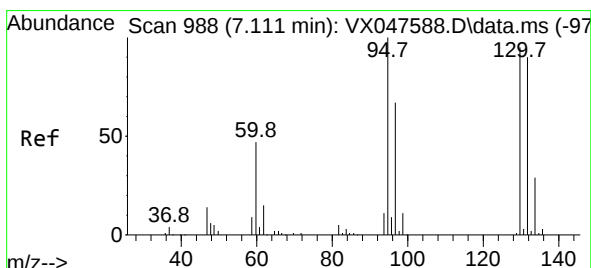
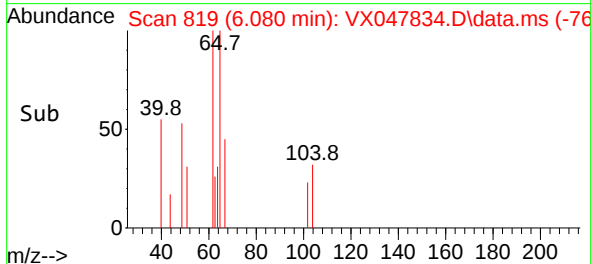
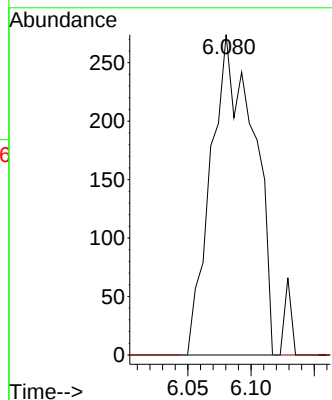
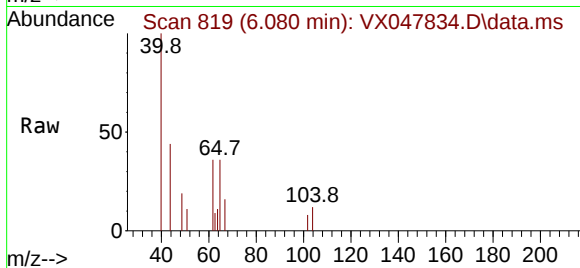
TT189D2-20250918

Tgt Ion: 62 Resp: 645

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.0



#44

Trichloroethene

Concen: 105.501 ug/l

RT: 7.111 min Scan# 988

Delta R.T. 0.000 min

Lab File: VX047834.D

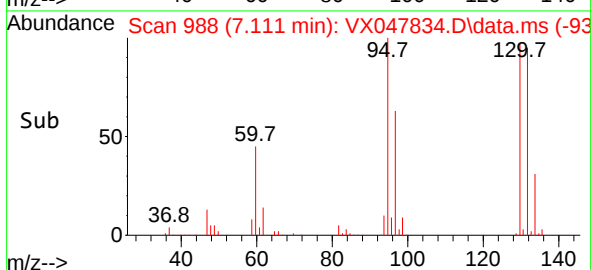
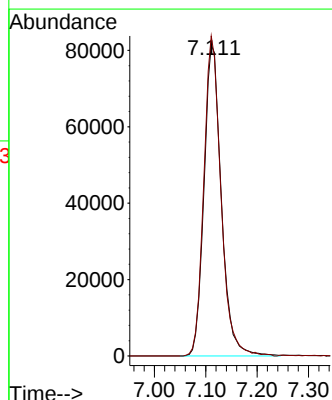
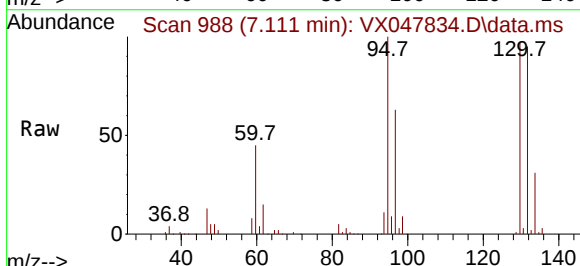
Acq: 26 Sep 2025 05:16

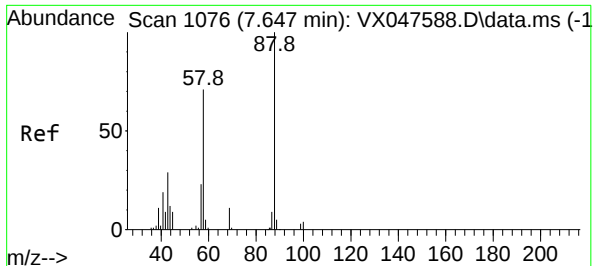
Tgt Ion:130 Resp: 191140

Ion Ratio Lower Upper

130 100

95 102.9 0.0 210.8





#49

1,4-Dioxane

Concen: 29.344 ug/l

RT: 7.653 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VX047834.D

Acq: 26 Sep 2025 05:16

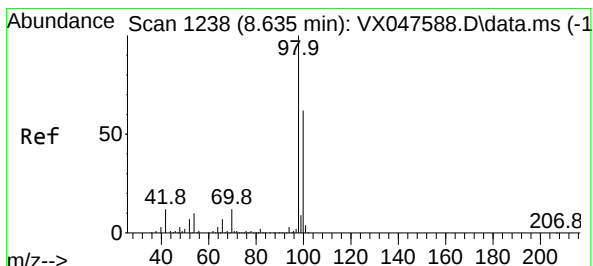
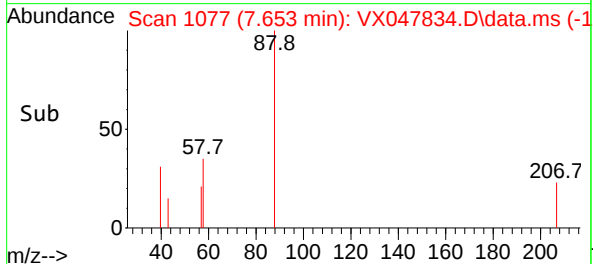
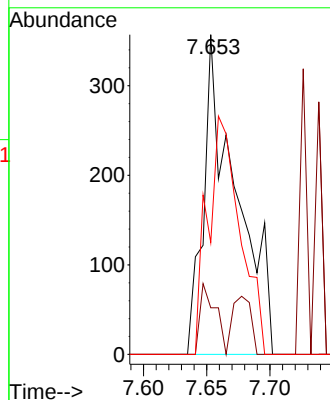
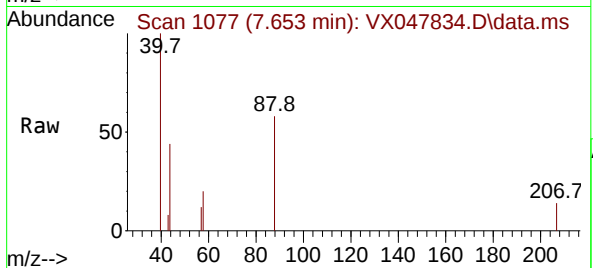
Instrument :

MSVOA_X

ClientSampleId :

TT189D2-20250918

Tgt Ion:	88	Resp:	640
Ion	Ratio	Lower	Upper
88	100		
43	10.5	30.2	45.2#
58	73.8	59.5	89.3



#50

Toluene-d8

Concen: 48.173 ug/l

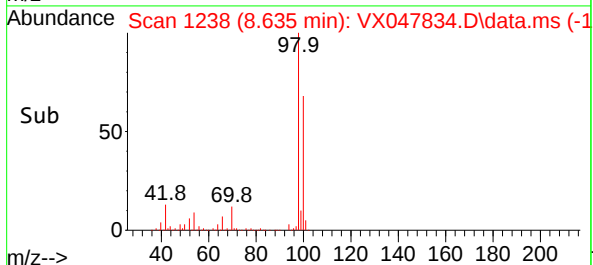
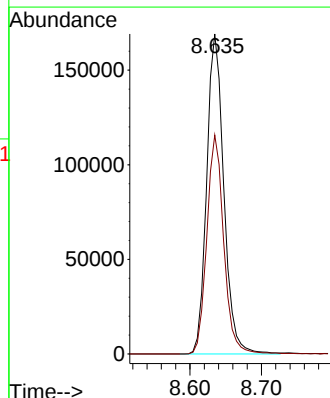
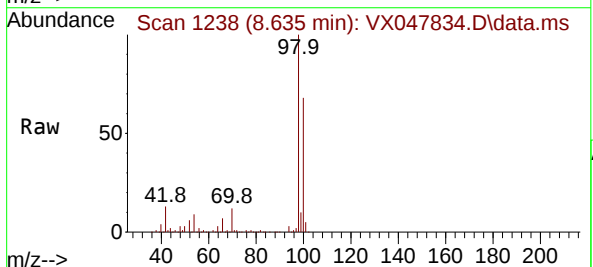
RT: 8.635 min Scan# 1238

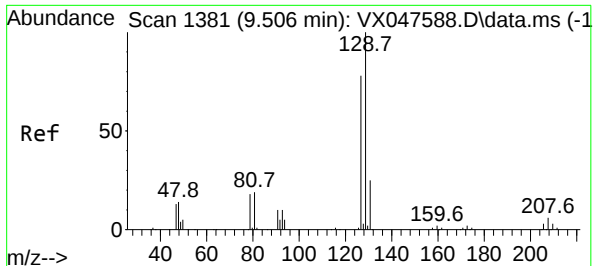
Delta R.T. 0.000 min

Lab File: VX047834.D

Acq: 26 Sep 2025 05:16

Tgt Ion:	98	Resp:	281454
Ion	Ratio	Lower	Upper
98	100		
100	67.7	53.0	79.4

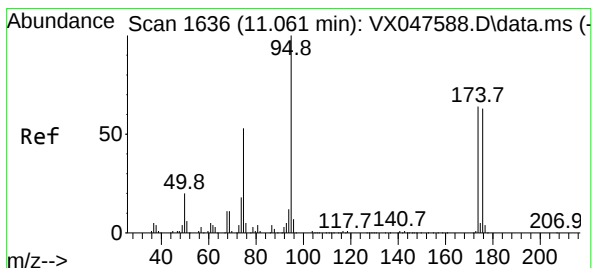
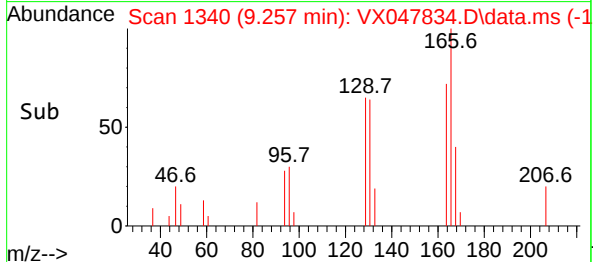
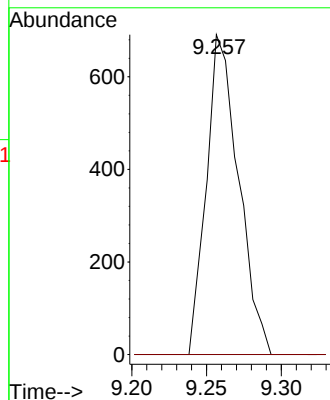
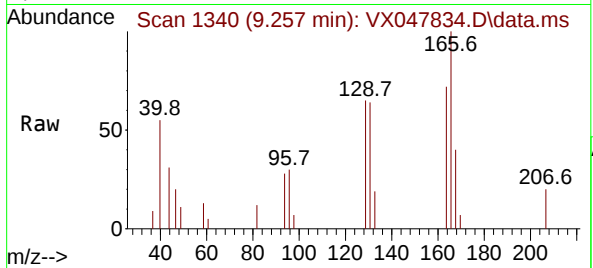




#60
Dibromochloromethane
Concen: 0.504 ug/l
RT: 9.257 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX047834.D
Acq: 26 Sep 2025 05:16

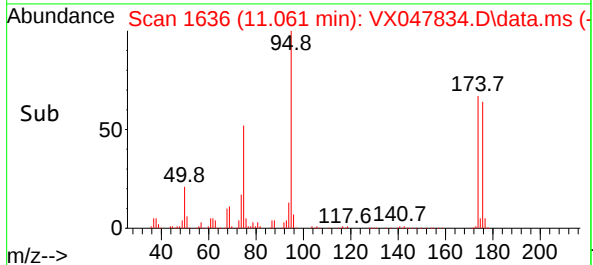
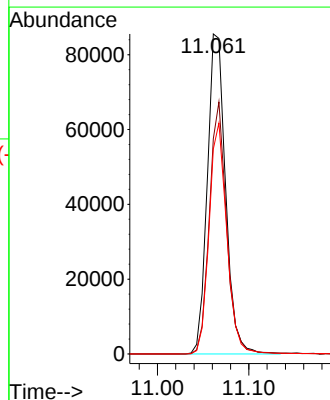
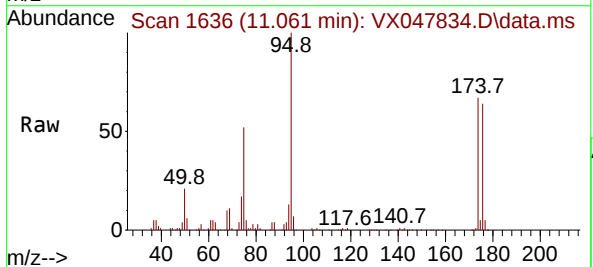
Instrument :
MSVOA_X
ClientSampleId :
TT189D2-20250918

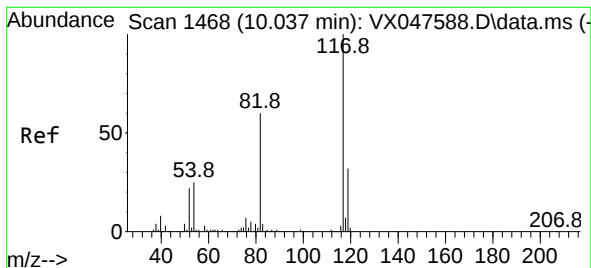
Tgt Ion:129 Resp: 1034
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 53.500 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.000 min
Lab File: VX047834.D
Acq: 26 Sep 2025 05:16

Tgt Ion: 95 Resp: 118628
Ion Ratio Lower Upper
95 100
174 74.4 0.0 141.6
176 70.1 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: VX047834.D

Acq: 26 Sep 2025 05:16

Instrument :

MSVOA_X

ClientSampleId :

TT189D2-20250918

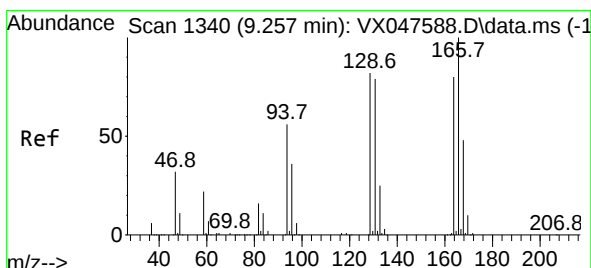
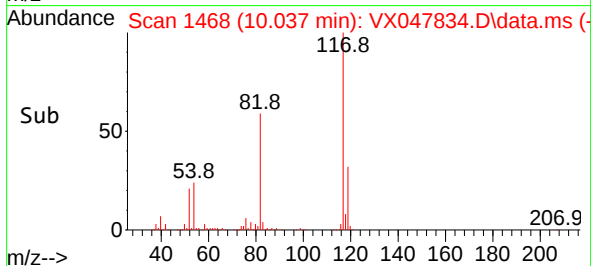
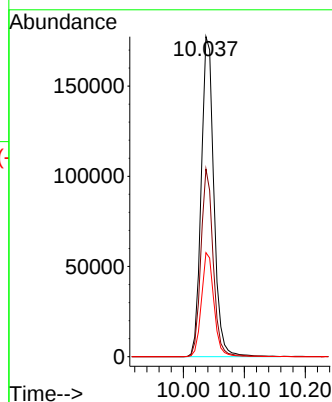
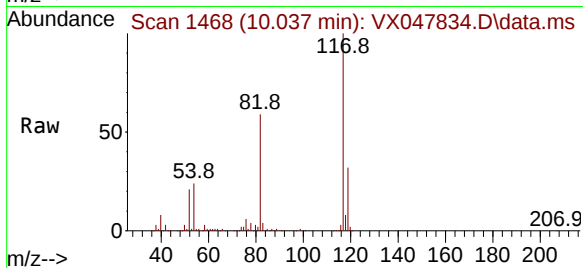
Tgt Ion:117 Resp: 256491

Ion Ratio Lower Upper

117 100

82 58.6 47.8 71.6

119 32.5 25.2 37.8



#64

Tetrachloroethene

Concen: 0.728 ug/l

RT: 9.257 min Scan# 1340

Delta R.T. 0.000 min

Lab File: VX047834.D

Acq: 26 Sep 2025 05:16

Tgt Ion:164 Resp: 1218

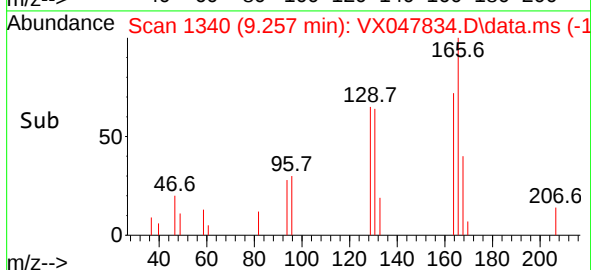
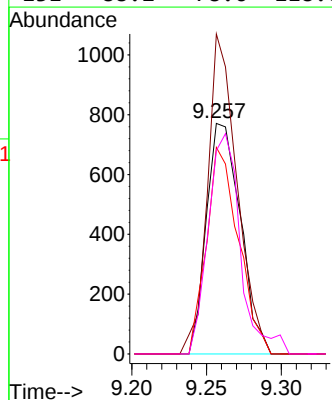
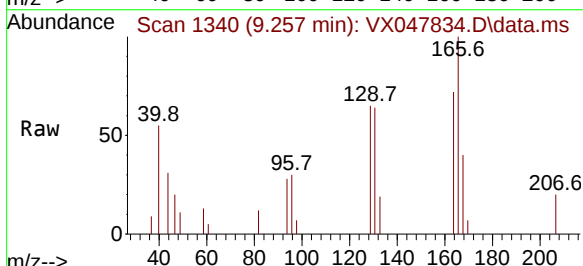
Ion Ratio Lower Upper

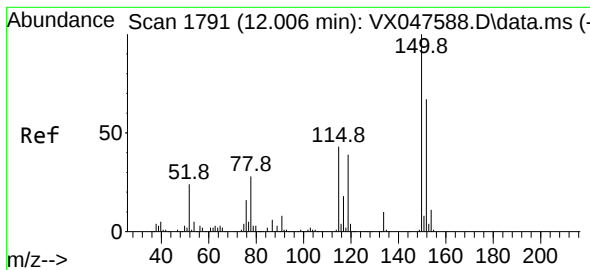
164 100

166 138.8 100.2 150.2

129 89.6 81.8 122.6

131 88.2 78.6 118.0

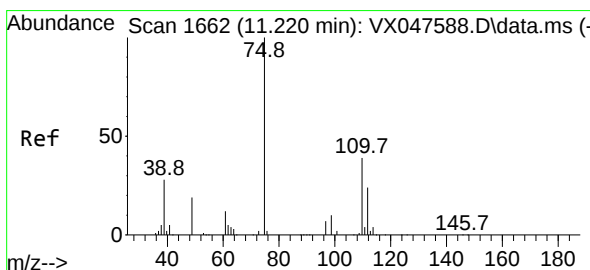
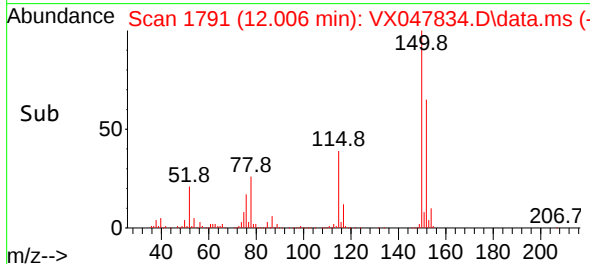
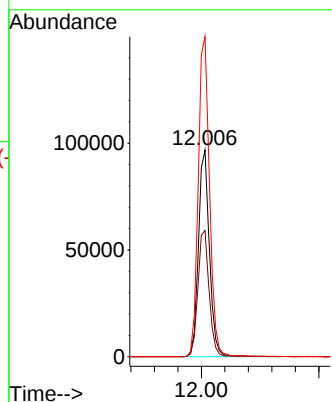
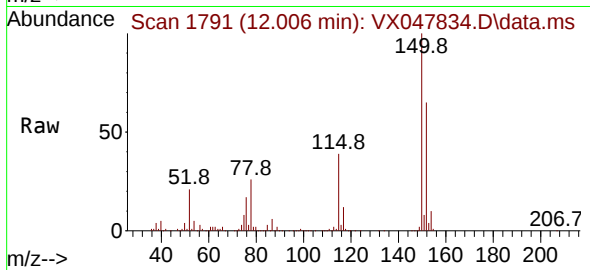




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047834.D
 Acq: 26 Sep 2025 05:16

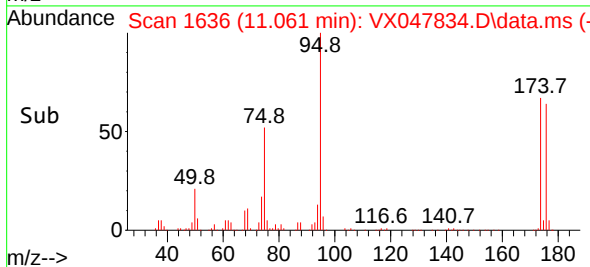
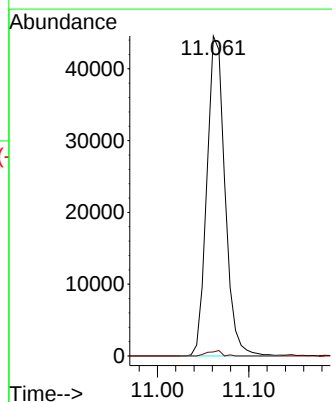
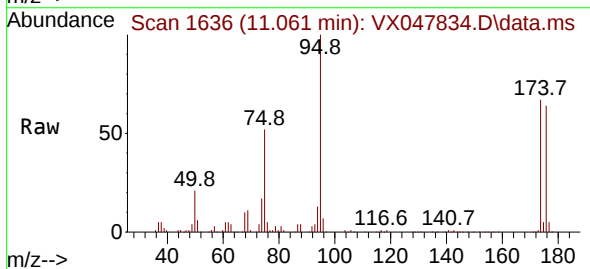
Instrument :
 MSVOA_X
 ClientSampleId :
 TT189D2-20250918

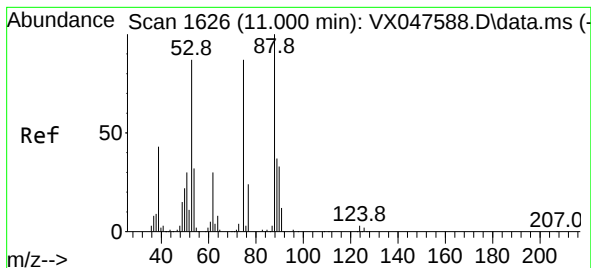
Tgt Ion:152 Resp: 124851
 Ion Ratio Lower Upper
 152 100
 115 62.8 44.9 134.5
 150 160.0 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 24.168 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.158 min
 Lab File: VX047834.D
 Acq: 26 Sep 2025 05:16

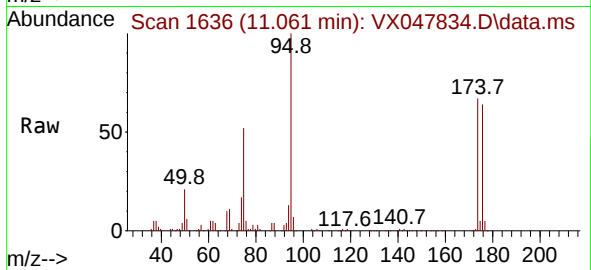
Tgt Ion: 75 Resp: 61092
 Ion Ratio Lower Upper
 75 100
 77 1.3 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 61.631 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047834.D
 Acq: 26 Sep 2025 05:16

Instrument :
 MSVOA_X
 ClientSampleId :
 TT189D2-20250918



Tgt Ion: 75 Resp: 61092
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

