

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
 Data File : VX047985.D
 Acq On : 03 Oct 2025 11:34
 Operator : JC/MD
 Sample : Q3194-01DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT189D1-20250922DL

Quant Time: Oct 03 23:44:35 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)

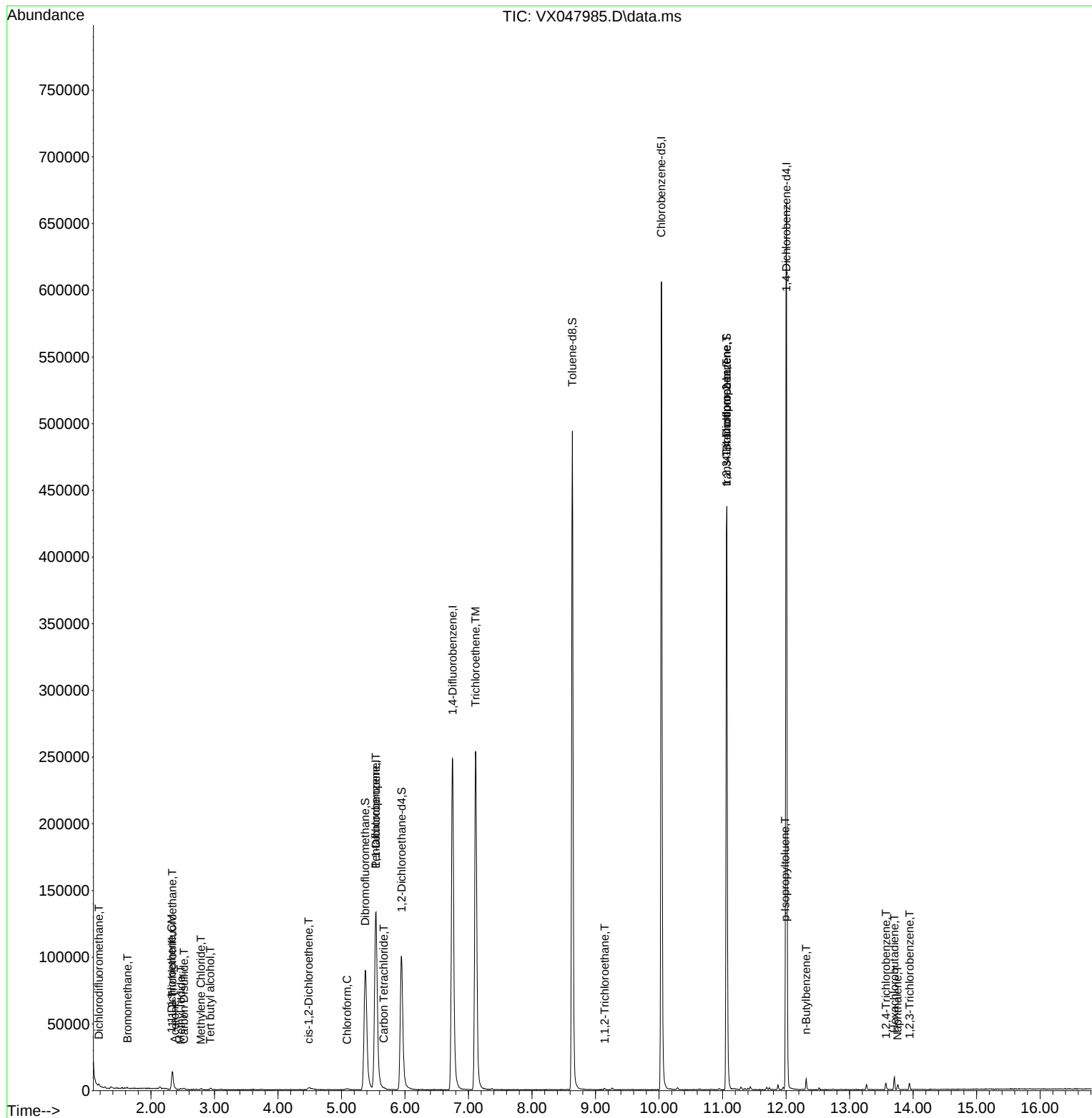
Internal Standards						
1) Pentafluorobenzene	5.538	168	132167	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	272415	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	275743	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	136670	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	110564	52.555	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.120%	
35) Dibromofluoromethane	5.373	113	89383	48.924	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 97.840%	
50) Toluene-d8	8.635	98	301832	47.746	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 95.500%	
62) 4-Bromofluorobenzene	11.067	95	128016	53.358	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.720%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	337	0.246	ug/l	94
5) Bromomethane	1.630	94	373	0.334	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.337	101	5719	3.741	ug/l	95
10) Methyl Iodide	2.471	142	1209	0.507	ug/l #	86
11) Tert butyl alcohol	2.934	59	461	1.968	ug/l #	72
12) 1,1-Dichloroethene	2.325	96	986	0.628	ug/l #	90
16) Acetone	2.373	43	619	0.677	ug/l #	45
17) Carbon Disulfide	2.520	76	1114	0.259	ug/l #	76
20) Methylene Chloride	2.788	84	399	0.206	ug/l #	76
27) cis-1,2-Dichloroethene	4.483	96	1154	0.557	ug/l	96
30) Chloroform	5.086	83	1262	0.374	ug/l	99
36) 1,1-Dichloropropene	5.544	75	11584	4.339	ug/l #	51
38) Carbon Tetrachloride	5.666	117	649	0.224	ug/l #	61
44) Trichloroethene	7.110	130	107945	55.066	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	435	0.226	ug/l #	54
76) 1,2,3-Trichloropropane	11.061	75	67515	24.399	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	67515	62.220	ug/l #	8
86) p-Isopropyltoluene	11.988	119	1806	0.206	ug/l #	64
89) n-Butylbenzene	12.317	91	3148	0.387	ug/l	90
93) 1,2,4-Trichlorobenzene	13.573	180	1347	0.458	ug/l	90
94) Hexachlorobutadiene	13.707	225	1233	1.233	ug/l	90
95) Naphthalene	13.756	128	2939	0.328	ug/l	97
96) 1,2,3-Trichlorobenzene	13.945	180	1301	0.475	ug/l	99

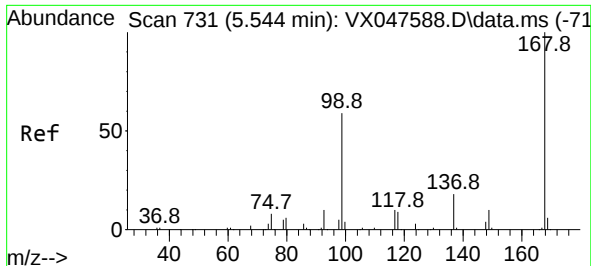
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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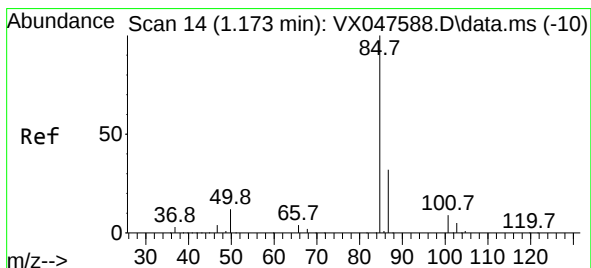
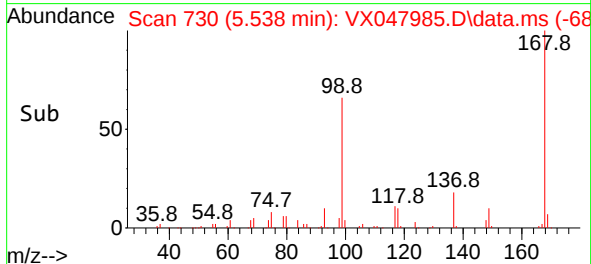
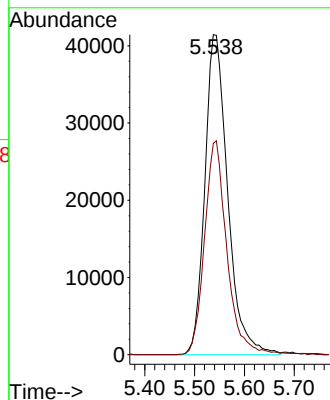
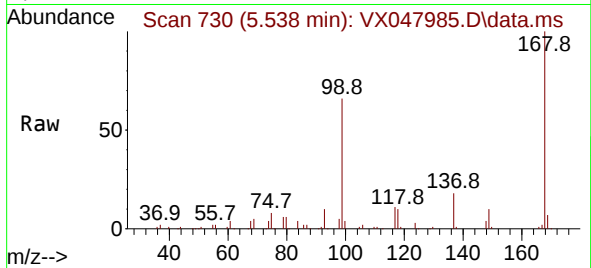




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX047985.D
Acq: 03 Oct 2025 11:34

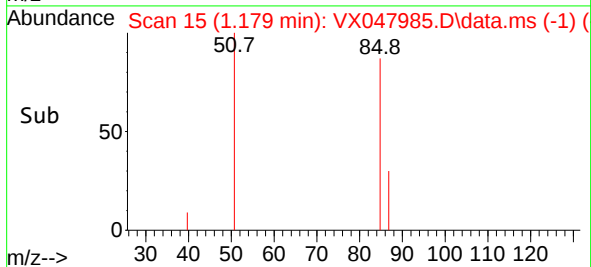
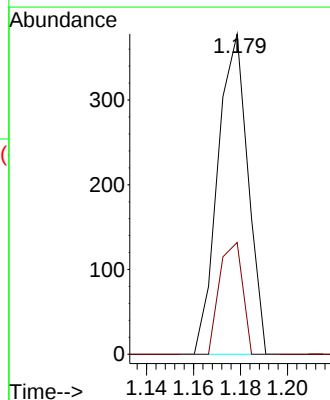
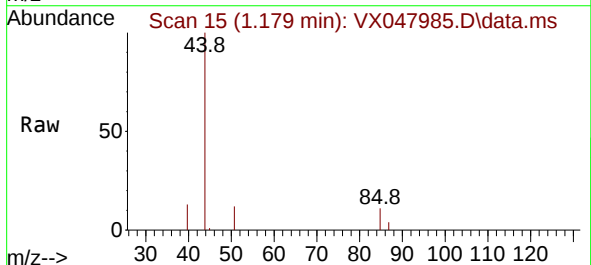
Instrument :
MSVOA_X
ClientSampleId :
TT189D1-20250922DL

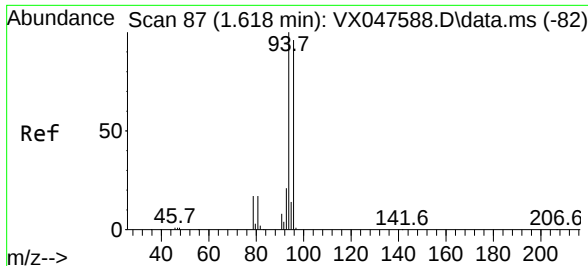
Tgt Ion:168 Resp: 132167
Ion Ratio Lower Upper
168 100
99 65.8 48.8 73.2



#2
Dichlorodifluoromethane
Concen: 0.246 ug/l
RT: 1.179 min Scan# 15
Delta R.T. 0.006 min
Lab File: VX047985.D
Acq: 03 Oct 2025 11:34

Tgt Ion: 85 Resp: 337
Ion Ratio Lower Upper
85 100
87 34.9 15.8 47.3

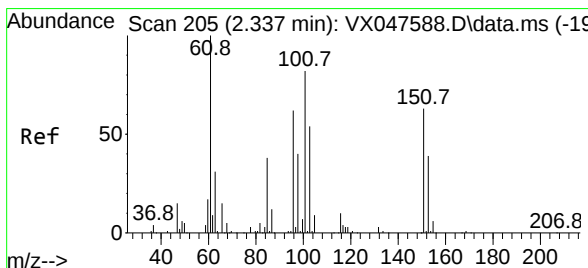
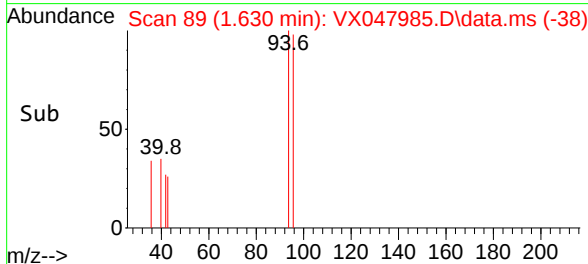
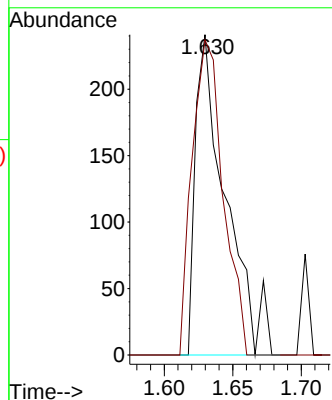
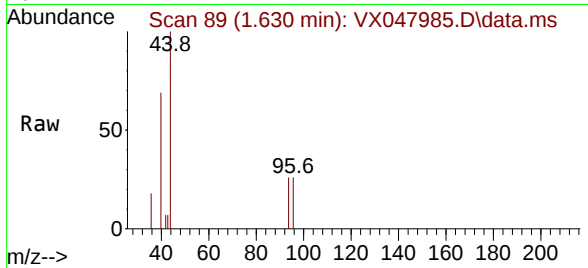




#5
Bromomethane
Concen: 0.334 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.012 min
Lab File: VX047985.D
Acq: 03 Oct 2025 11:34

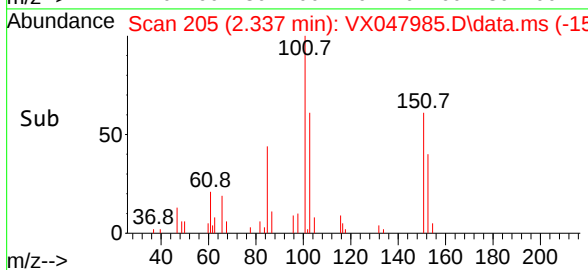
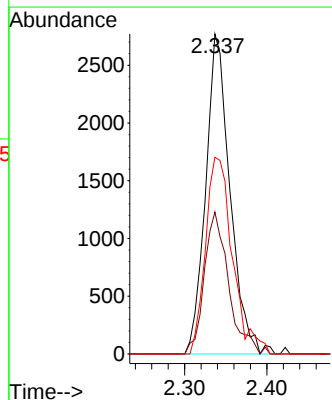
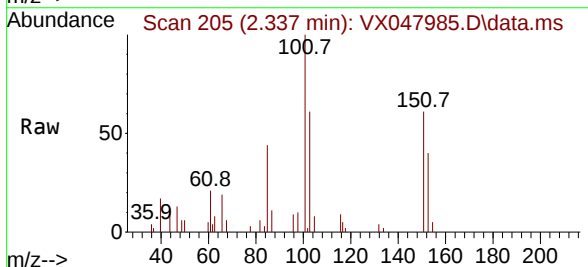
Instrument :
MSVOA_X
ClientSampleId :
TT189D1-20250922DL

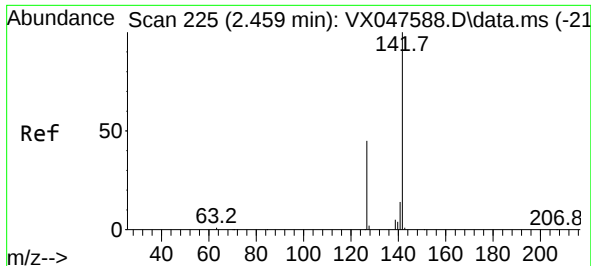
Tgt Ion: 94 Resp: 373
Ion Ratio Lower Upper
94 100
96 98.3 76.6 115.0



#9
1,1,2-Trichlorotrifluoroethane
Concen: 3.741 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047985.D
Acq: 03 Oct 2025 11:34

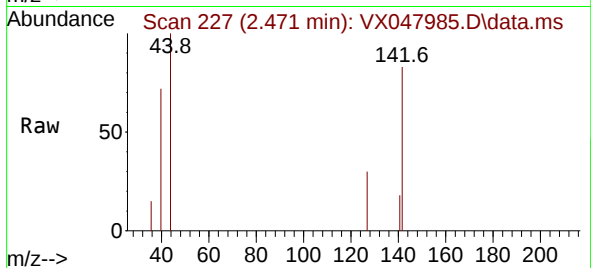
Tgt Ion: 101 Resp: 5719
Ion Ratio Lower Upper
101 100
85 44.3 35.5 53.3
151 68.0 59.4 89.0



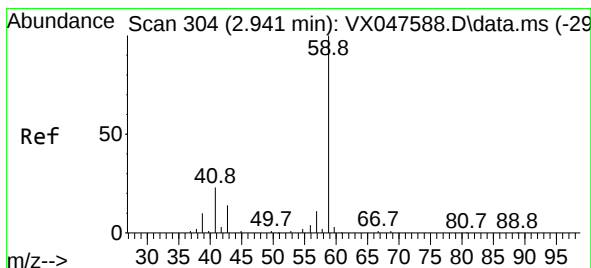
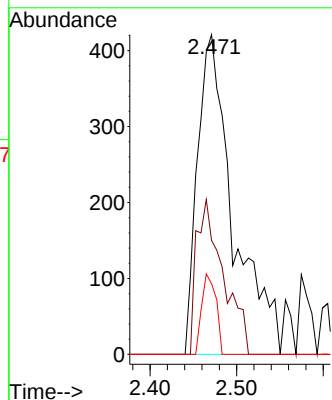
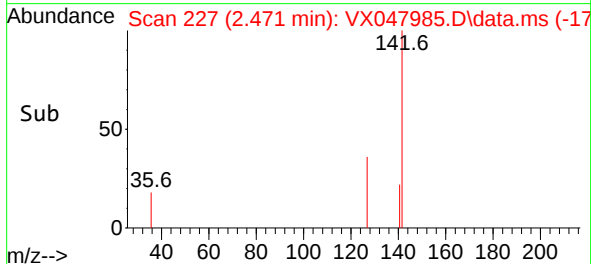


#10
Methyl Iodide
Concen: 0.507 ug/l
RT: 2.471 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX047985.D
Acq: 03 Oct 2025 11:34

Instrument :
MSVOA_X
ClientSampleId :
TT189D1-20250922DL

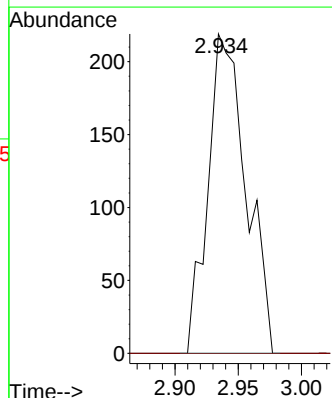
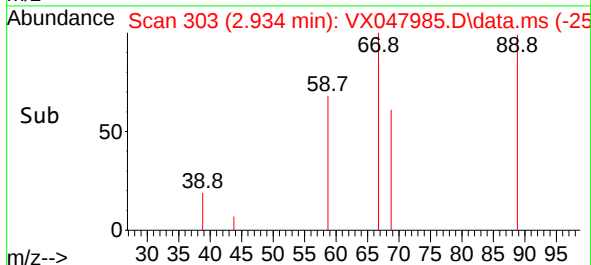
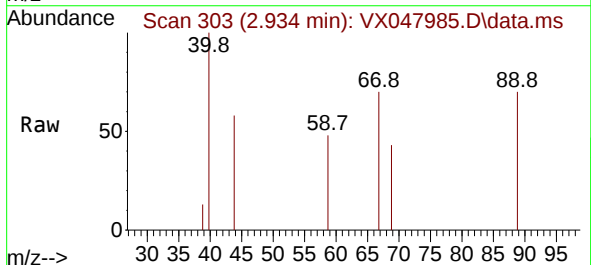


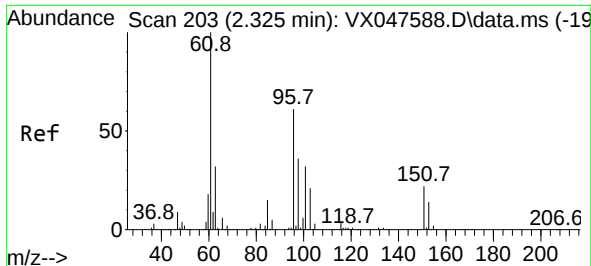
Tgt Ion:142 Resp: 1209
Ion Ratio Lower Upper
142 100
127 36.2 37.2 55.8#
141 9.9 11.4 17.0#



#11
Tert butyl alcohol
Concen: 1.968 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.006 min
Lab File: VX047985.D
Acq: 03 Oct 2025 11:34

Tgt Ion: 59 Resp: 461
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#





#12

1,1-Dichloroethene

Concen: 0.628 ug/l

RT: 2.325 min Scan# 203

Delta R.T. -0.000 min

Lab File: VX047985.D

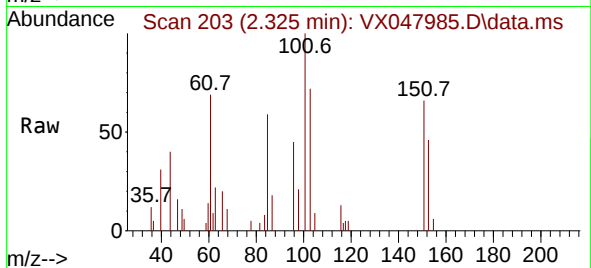
Acq: 03 Oct 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

TT189D1-20250922DL



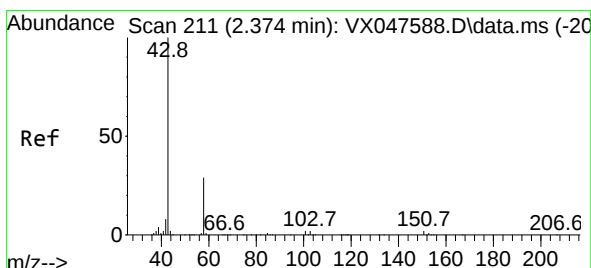
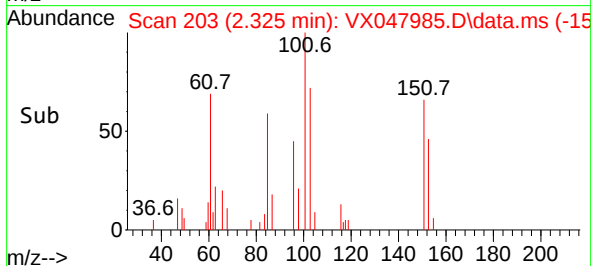
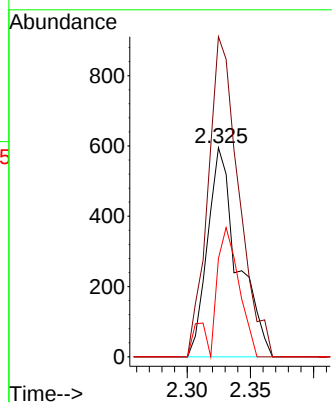
Tgt Ion: 96 Resp: 986

Ion Ratio Lower Upper

96 100

61 153.1 131.0 196.6

98 47.1 47.7 71.5#



#16

Acetone

Concen: 0.677 ug/l

RT: 2.373 min Scan# 211

Delta R.T. -0.000 min

Lab File: VX047985.D

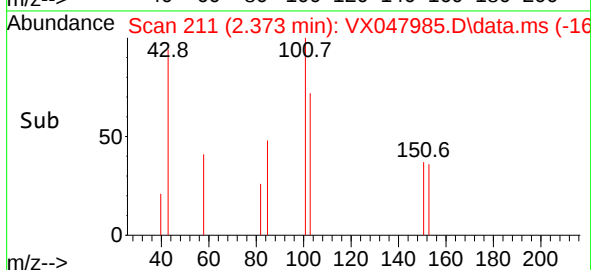
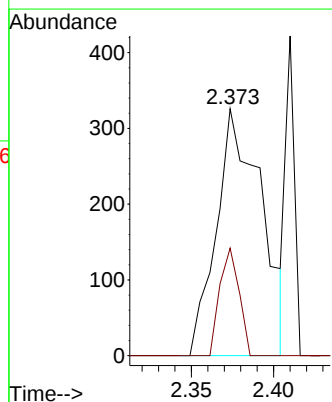
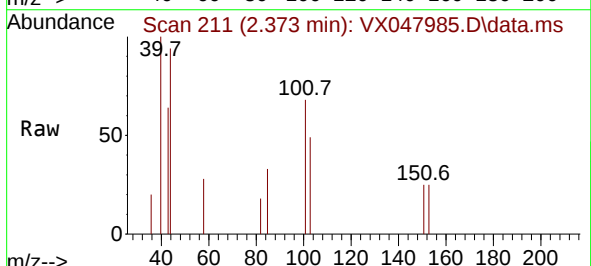
Acq: 03 Oct 2025 11:34

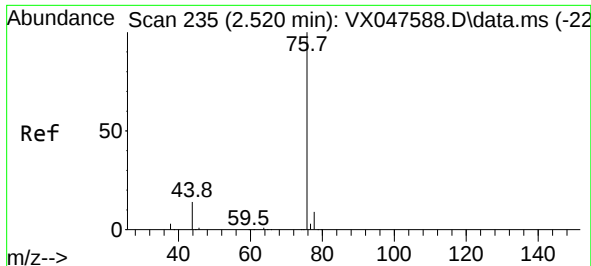
Tgt Ion: 43 Resp: 619

Ion Ratio Lower Upper

43 100

58 0.0 23.4 35.0#





#17

Carbon Disulfide

Concen: 0.259 ug/l

RT: 2.520 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX047985.D

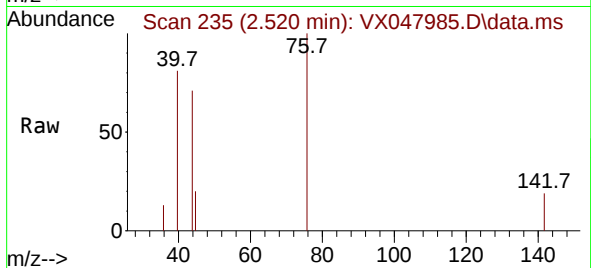
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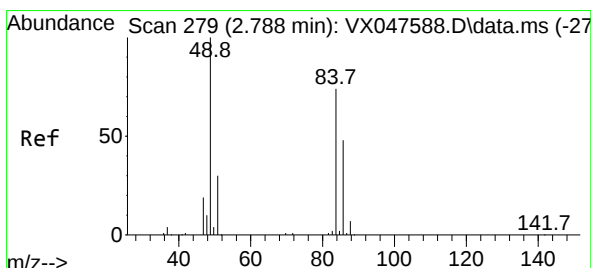
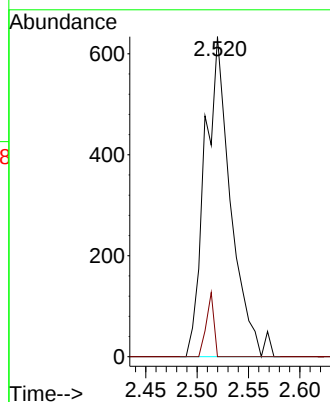
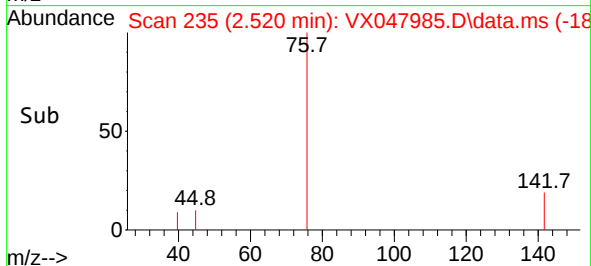


Tgt Ion: 76 Resp: 1114

Ion Ratio Lower Upper

76 100

78 0.0 6.8 10.2#



#20

Methylene Chloride

Concen: 0.206 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX047985.D

Acq: 03 Oct 2025 11:34

Tgt Ion: 84 Resp: 399

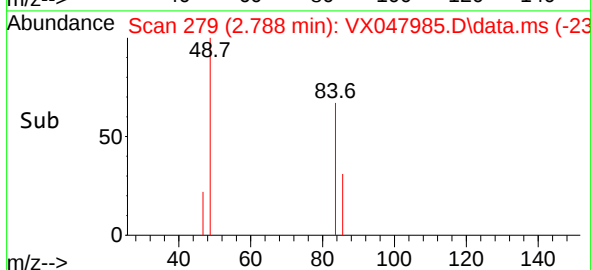
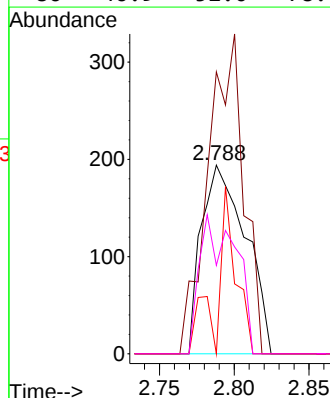
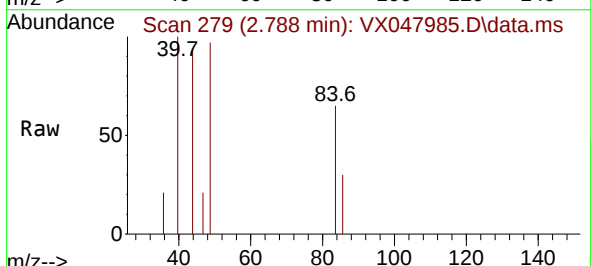
Ion Ratio Lower Upper

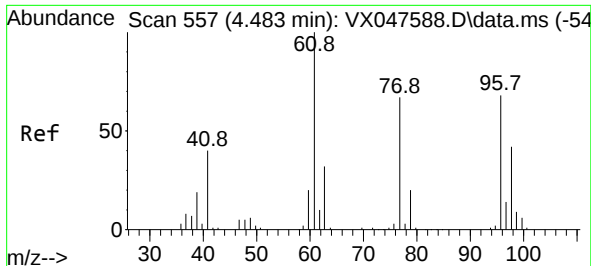
84 100

49 149.5 108.6 162.8

51 0.0 32.6 48.8#

86 46.9 52.0 78.0#

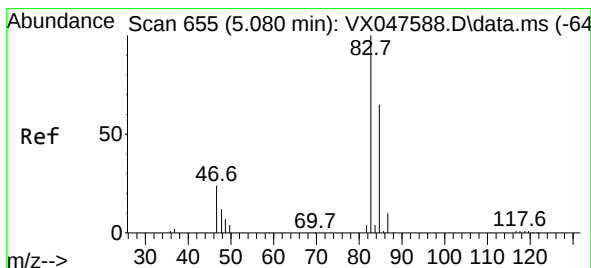
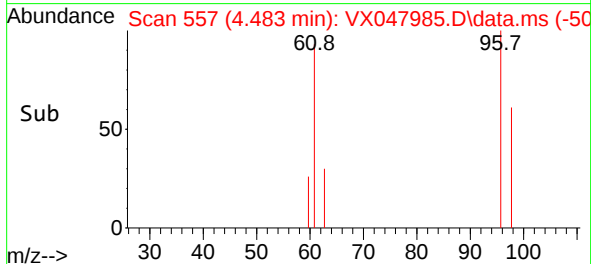
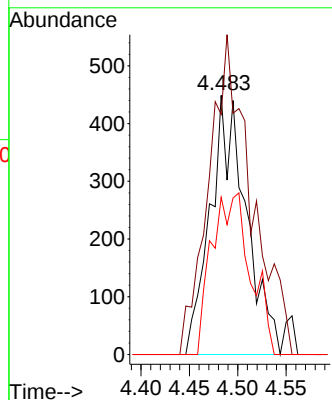
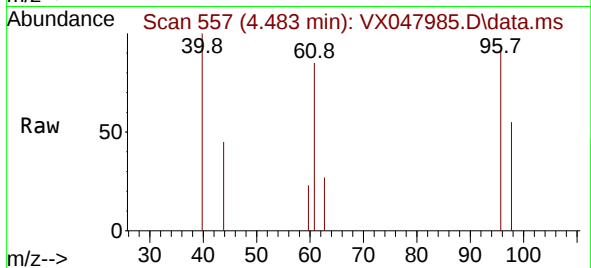




#27
cis-1,2-Dichloroethene
Concen: 0.557 ug/l
RT: 4.483 min Scan# 511
Delta R.T. -0.000 min
Lab File: VX047985.D
Acq: 03 Oct 2025 11:34

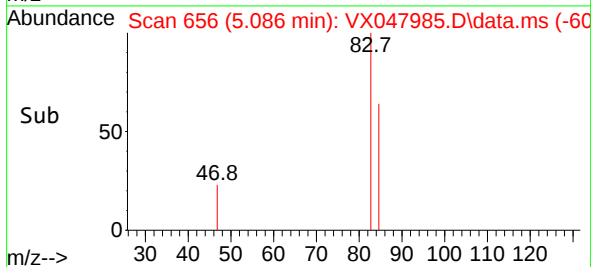
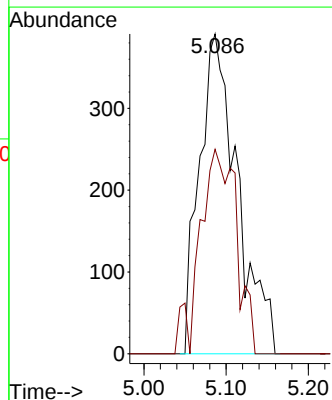
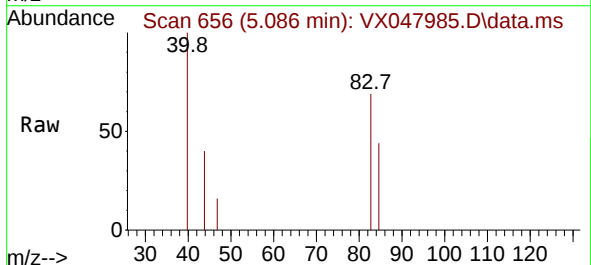
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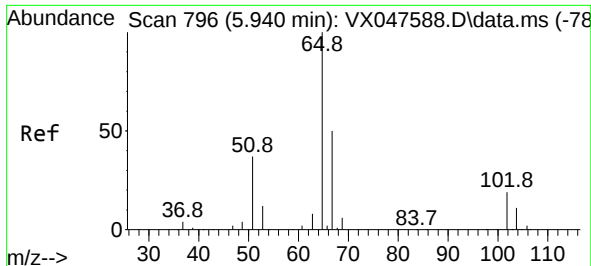
Tgt Ion: 96 Resp: 1154
Ion Ratio Lower Upper
96 100
61 147.0 0.0 303.2
98 67.6 0.0 127.8



#30
Chloroform
Concen: 0.374 ug/l
RT: 5.086 min Scan# 656
Delta R.T. 0.006 min
Lab File: VX047985.D
Acq: 03 Oct 2025 11:34

Tgt Ion: 83 Resp: 1262
Ion Ratio Lower Upper
83 100
85 63.9 51.8 77.6





#33

1,2-Dichloroethane-d4

Concen: 52.555 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047985.D

Acq: 03 Oct 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

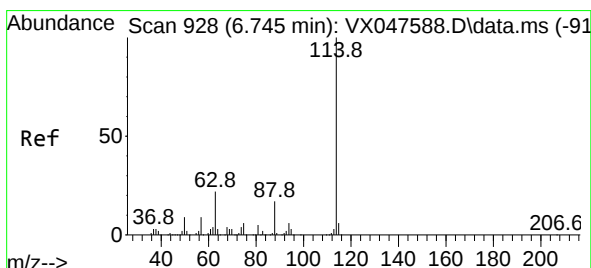
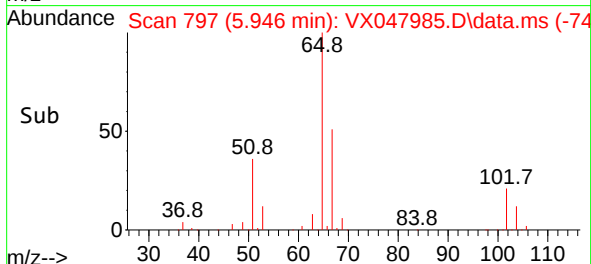
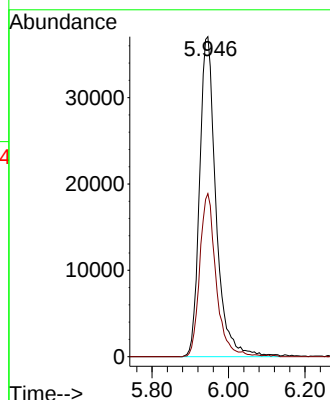
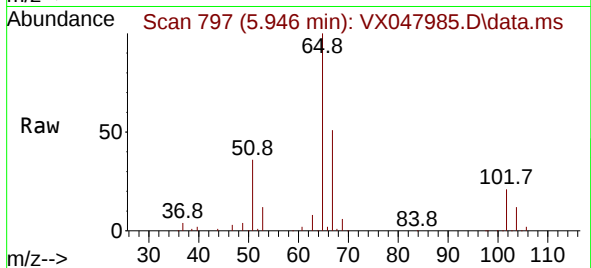
TT189D1-20250922DL

Tgt Ion: 65 Resp: 110564

Ion Ratio Lower Upper

65 100

67 50.9 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. 0.006 min

Lab File: VX047985.D

Acq: 03 Oct 2025 11:34

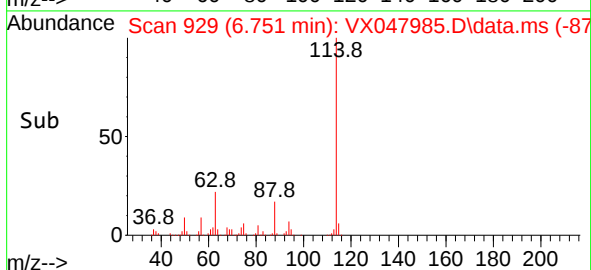
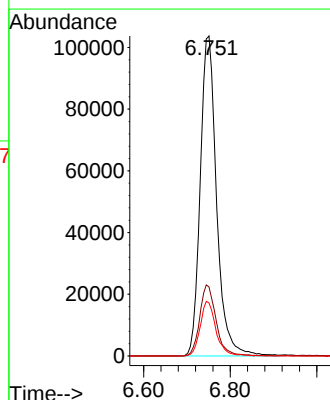
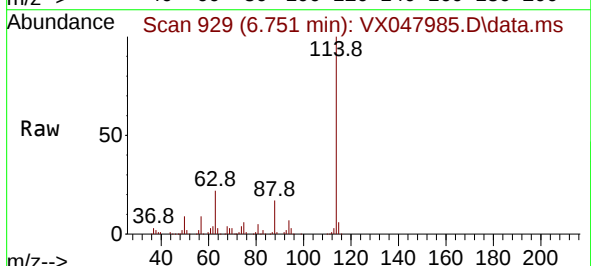
Tgt Ion: 114 Resp: 272415

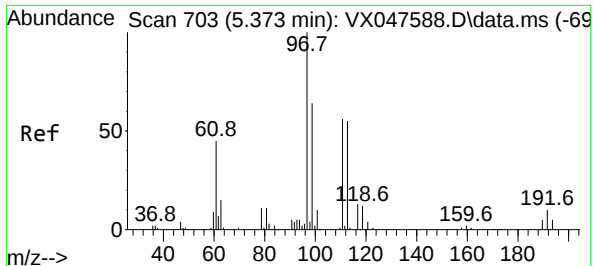
Ion Ratio Lower Upper

114 100

63 21.6 0.0 44.0

88 16.5 0.0 34.2

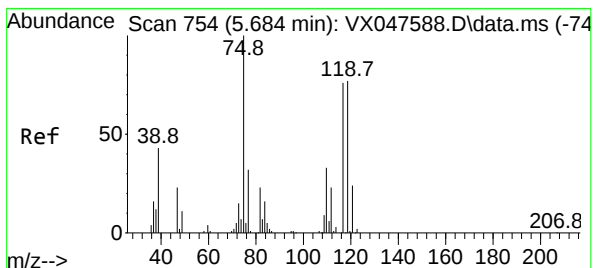
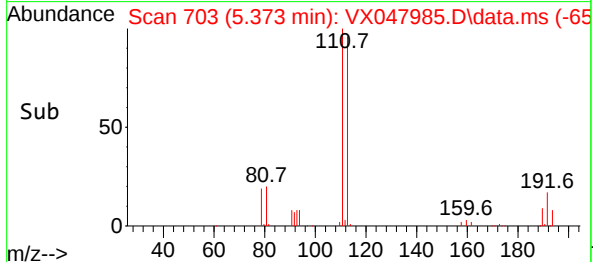
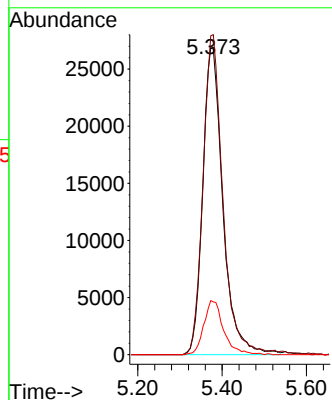
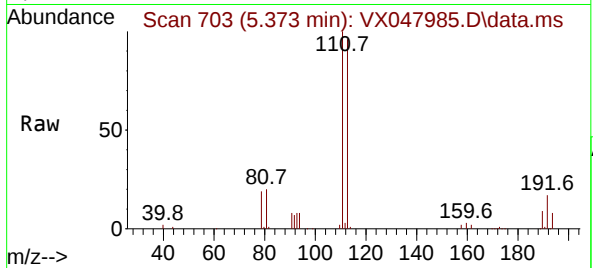




#35
Dibromofluoromethane
Concen: 48.924 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047985.D
Acq: 03 Oct 2025 11:34

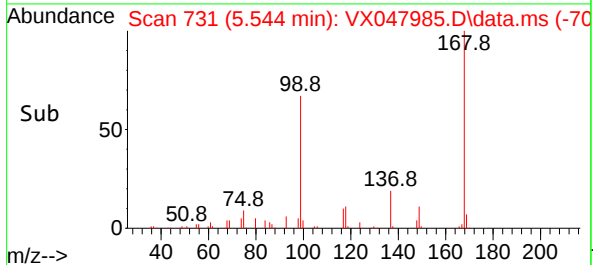
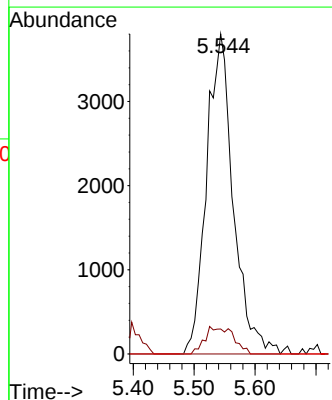
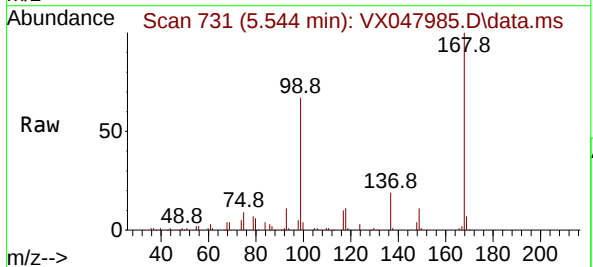
Instrument :
MSVOA_X
ClientSampleId :
TT189D1-20250922DL

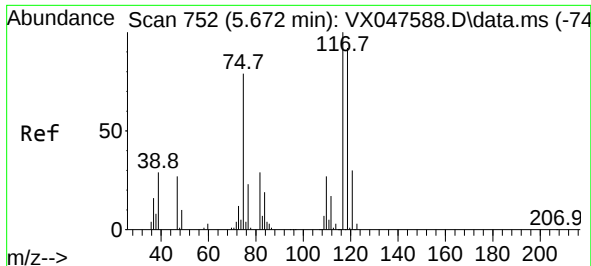
Tgt Ion:113 Resp: 89383
Ion Ratio Lower Upper
113 100
111 102.4 80.9 121.3
192 17.3 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.339 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX047985.D
Acq: 03 Oct 2025 11:34

Tgt Ion: 75 Resp: 11584
Ion Ratio Lower Upper
75 100
110 9.0 16.7 50.1#
77 0.0 24.3 36.5#

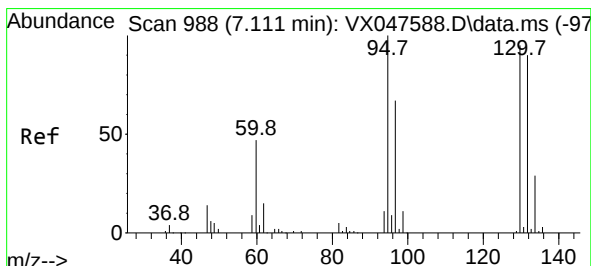
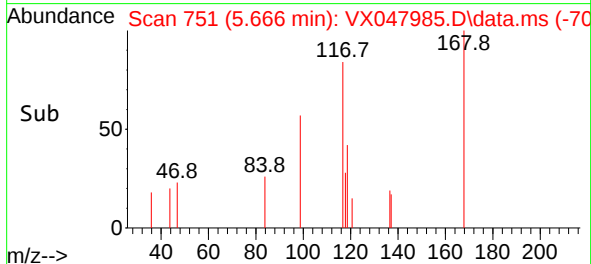
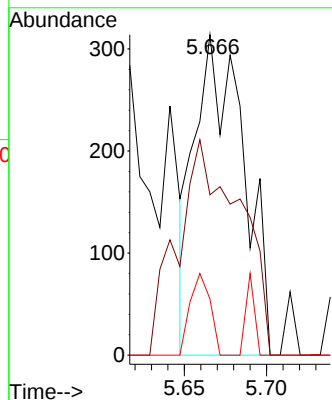
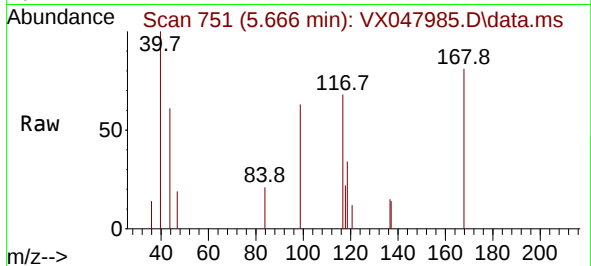




#38
Carbon Tetrachloride
Concen: 0.224 ug/l
RT: 5.666 min Scan# 751
Delta R.T. -0.006 min
Lab File: VX047985.D
Acq: 03 Oct 2025 11:34

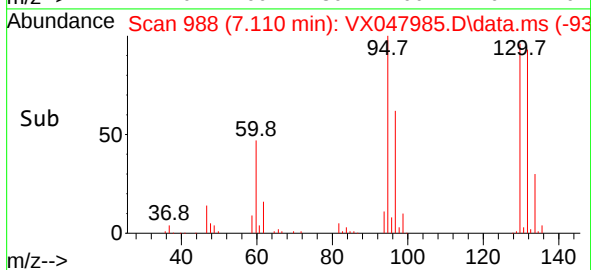
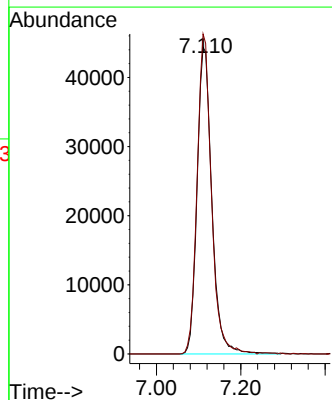
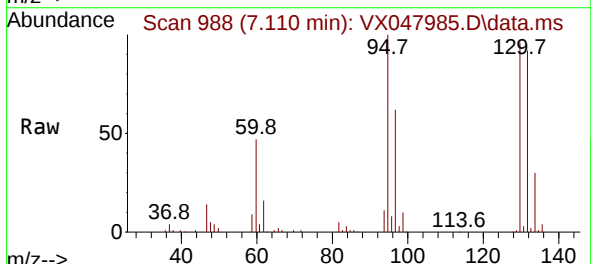
Instrument :
MSVOA_X
ClientSampleId :
TT189D1-20250922DL

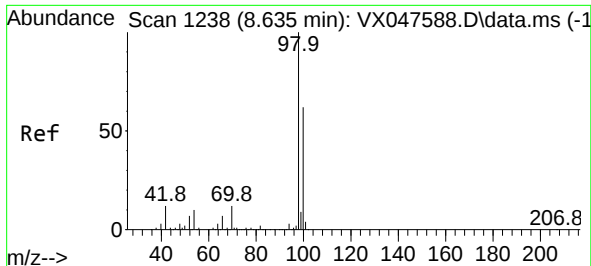
Tgt Ion:117 Resp: 649
Ion Ratio Lower Upper
117 100
119 50.0 73.4 110.2#
121 17.5 23.8 35.6#



#44
Trichloroethene
Concen: 55.066 ug/l
RT: 7.110 min Scan# 988
Delta R.T. -0.000 min
Lab File: VX047985.D
Acq: 03 Oct 2025 11:34

Tgt Ion:130 Resp: 107945
Ion Ratio Lower Upper
130 100
95 104.4 0.0 210.8

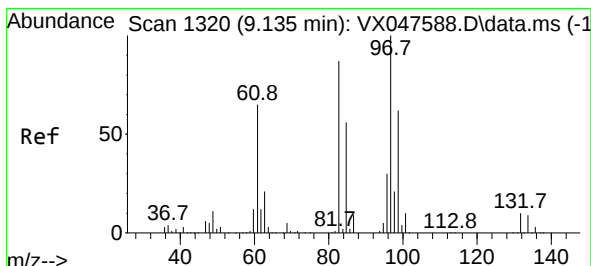
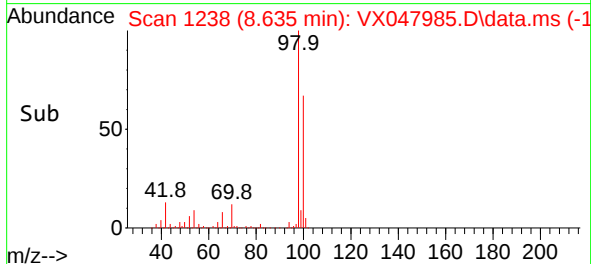
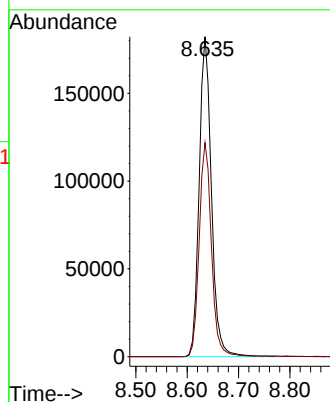
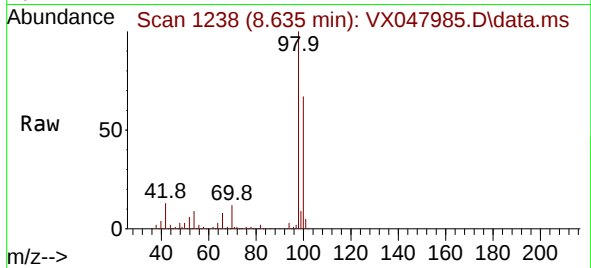




#50
Toluene-d8
Concen: 47.746 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047985.D
Acq: 03 Oct 2025 11:34

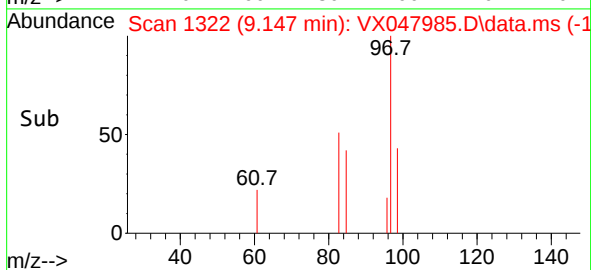
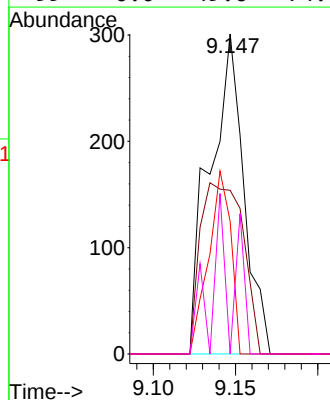
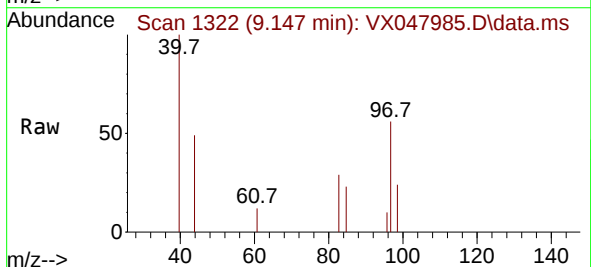
Instrument :
MSVOA_X
ClientSampleId :
TT189D1-20250922DL

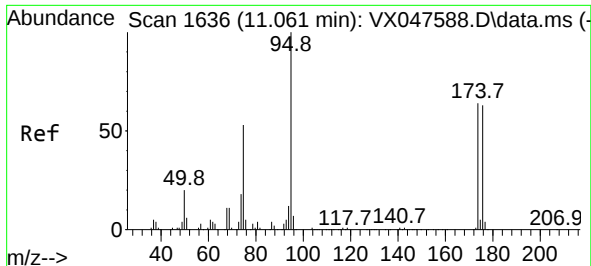
Tgt Ion: 98 Resp: 301832
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.4



#55
1,1,2-Trichloroethane
Concen: 0.226 ug/l
RT: 9.147 min Scan# 1322
Delta R.T. 0.012 min
Lab File: VX047985.D
Acq: 03 Oct 2025 11:34

Tgt Ion: 97 Resp: 435
Ion Ratio Lower Upper
97 100
83 51.2 69.6 104.4#
85 41.5 45.0 67.6#
99 0.0 49.6 74.4#

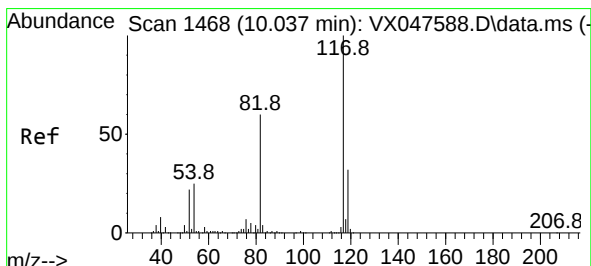
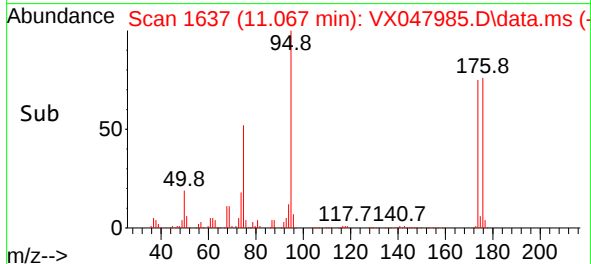
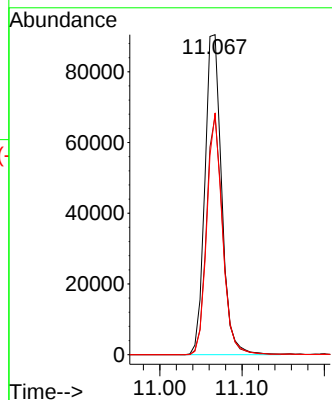
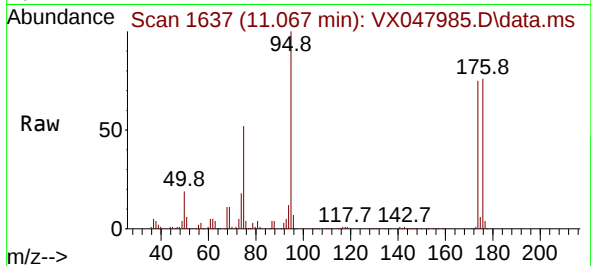




#62
4-Bromofluorobenzene
Concen: 53.358 ug/l
RT: 11.067 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX047985.D
Acq: 03 Oct 2025 11:34

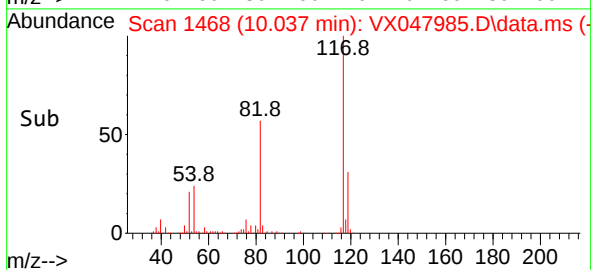
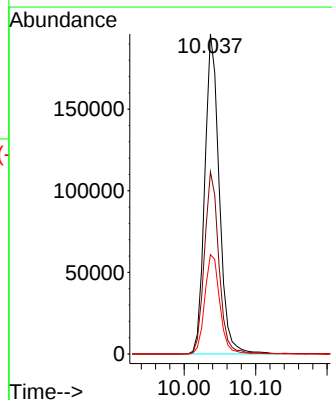
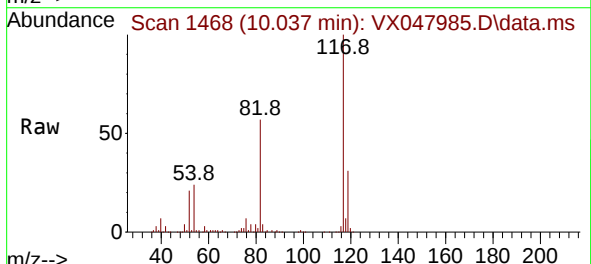
Instrument :
MSVOA_X
ClientSampleId :
TT189D1-20250922DL

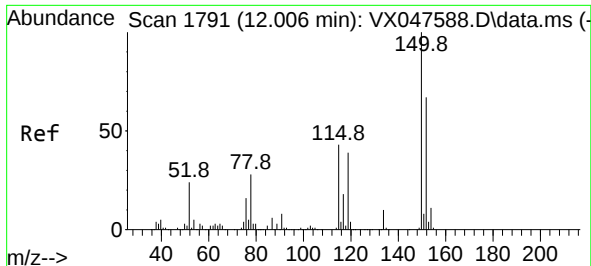
Tgt Ion: 95 Resp: 128016
Ion Ratio Lower Upper
95 100
174 72.4 0.0 141.6
176 70.4 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047985.D
Acq: 03 Oct 2025 11:34

Tgt Ion: 117 Resp: 275743
Ion Ratio Lower Upper
117 100
82 56.9 47.8 71.6
119 31.1 25.2 37.8

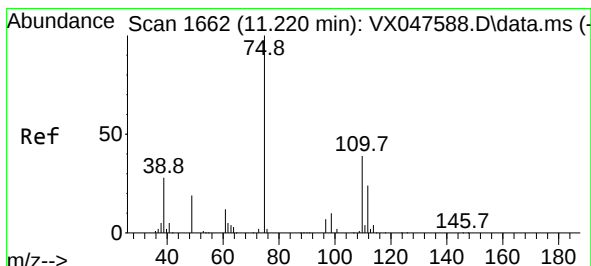
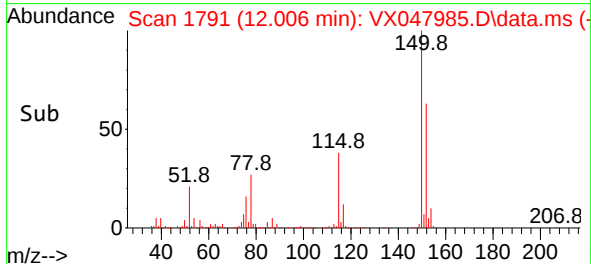
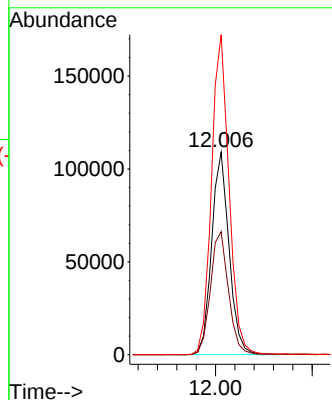
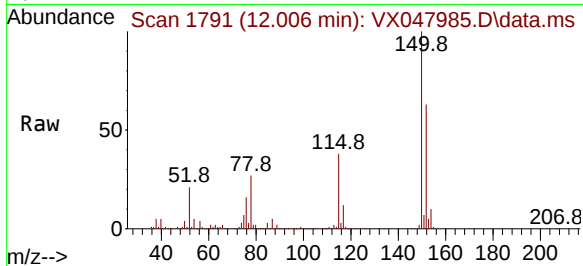




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 1
 Delta R.T. -0.000 min
 Lab File: VX047985.D
 Acq: 03 Oct 2025 11:34

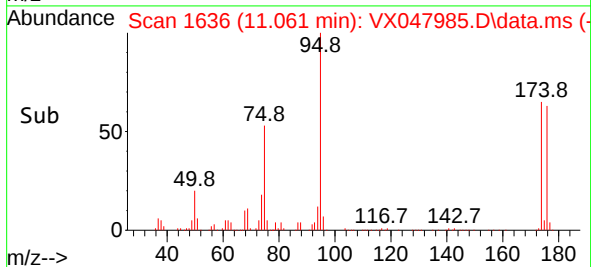
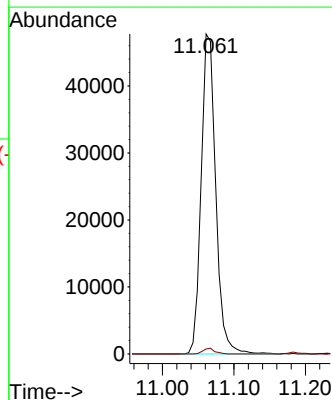
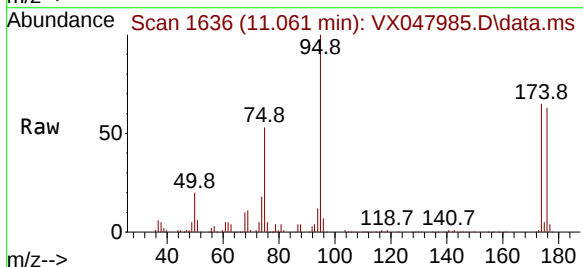
Instrument :
 MSVOA_X
 ClientSampleId :
 TT189D1-20250922DL

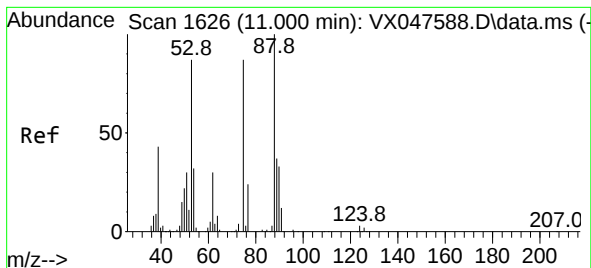
Tgt Ion:152 Resp: 136670
 Ion Ratio Lower Upper
 152 100
 115 62.8 44.9 134.5
 150 158.5 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 24.399 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX047985.D
 Acq: 03 Oct 2025 11:34

Tgt Ion: 75 Resp: 67515
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.8 56.4#

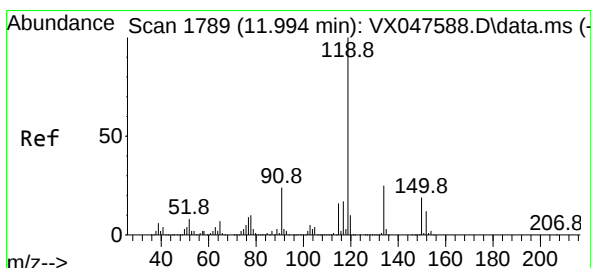
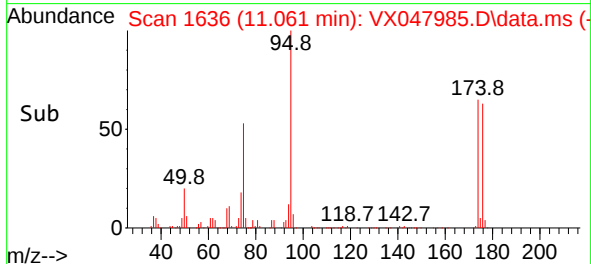
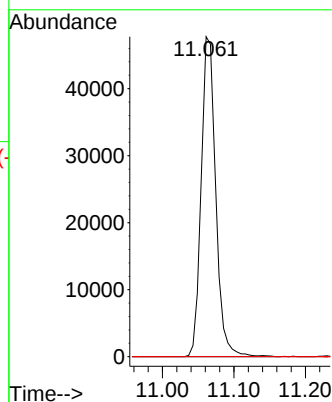
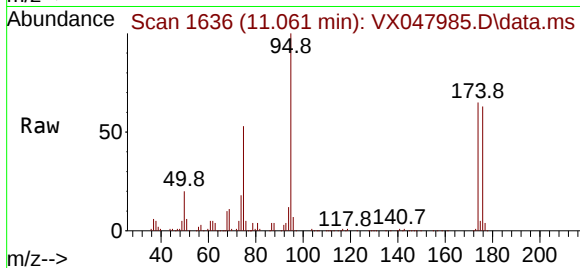




#81
trans-1,4-Dichloro-2-butene
Concen: 62.220 ug/l
RT: 11.061 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX047985.D
Acq: 03 Oct 2025 11:34

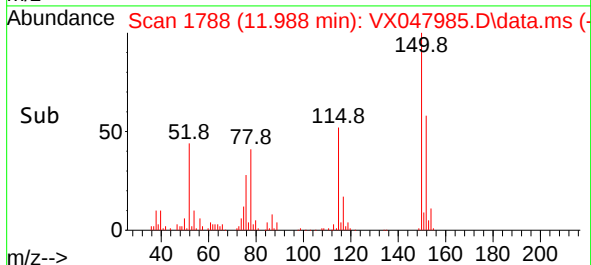
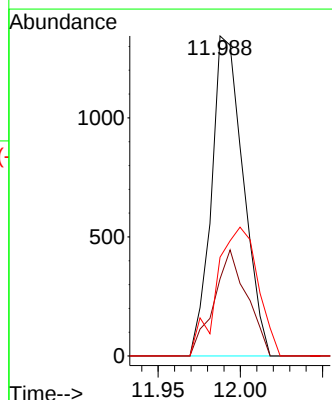
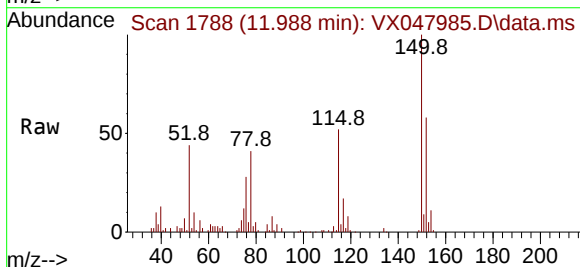
Instrument :
MSVOA_X
ClientSampleId :
TT189D1-20250922DL

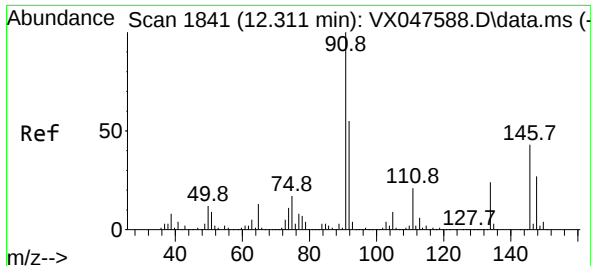
Tgt Ion: 75 Resp: 67515
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#



#86
p-Isopropyltoluene
Concen: 0.206 ug/l
RT: 11.988 min Scan# 1788
Delta R.T. -0.006 min
Lab File: VX047985.D
Acq: 03 Oct 2025 11:34

Tgt Ion: 119 Resp: 1806
Ion Ratio Lower Upper
119 100
134 34.4 12.6 37.8
91 51.9 12.6 37.6#





#89

n-Butylbenzene

Concen: 0.387 ug/l

RT: 12.317 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX047985.D

Acq: 03 Oct 2025 11:34

Instrument :

MSVOA_X

ClientSampleId :

TT189D1-20250922DL

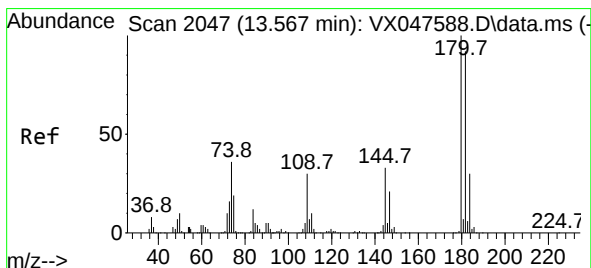
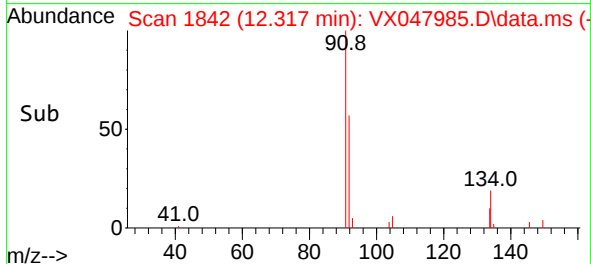
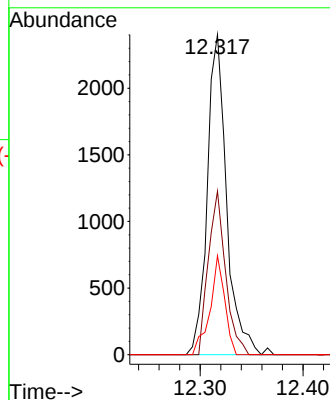
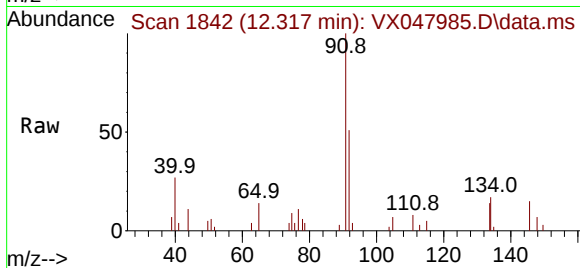
Tgt Ion: 91 Resp: 3148

Ion Ratio Lower Upper

91 100

92 45.6 27.6 82.7

134 23.5 12.6 37.8



#93

1,2,4-Trichlorobenzene

Concen: 0.458 ug/l

RT: 13.573 min Scan# 2048

Delta R.T. 0.006 min

Lab File: VX047985.D

Acq: 03 Oct 2025 11:34

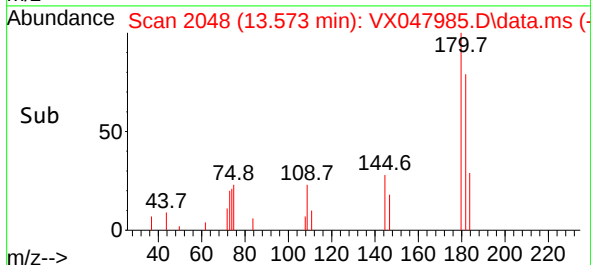
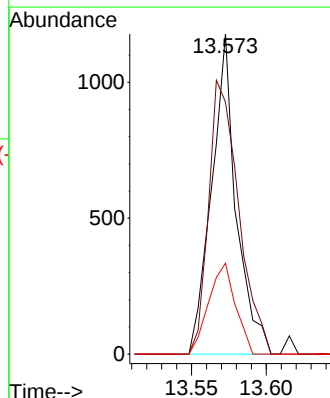
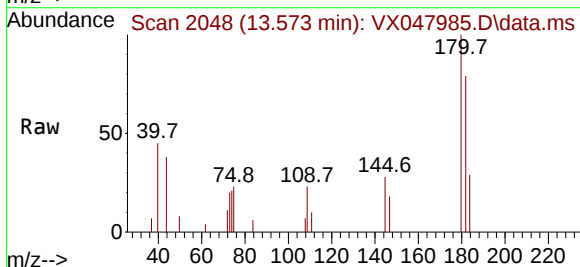
Tgt Ion:180 Resp: 1347

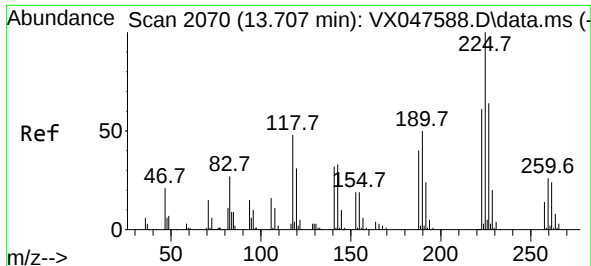
Ion Ratio Lower Upper

180 100

182 104.5 46.6 139.8

145 30.8 16.4 49.1

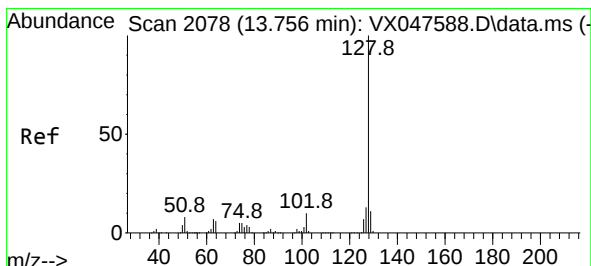
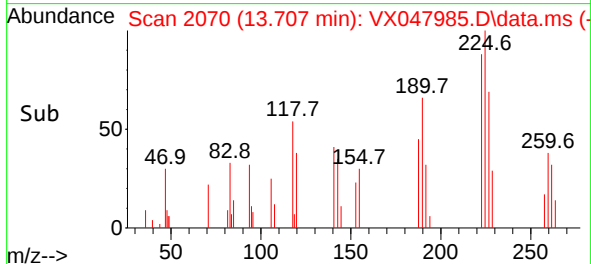
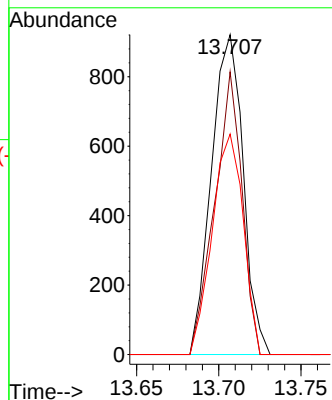
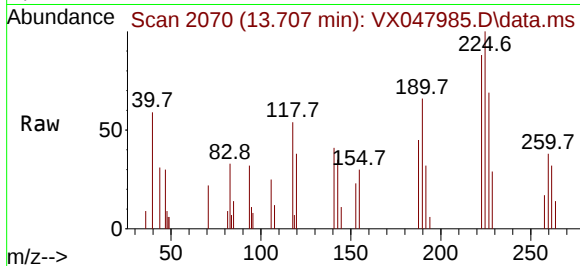




#94
Hexachlorobutadiene
Concen: 1.233 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. -0.000 min
Lab File: VX047985.D
Acq: 03 Oct 2025 11:34

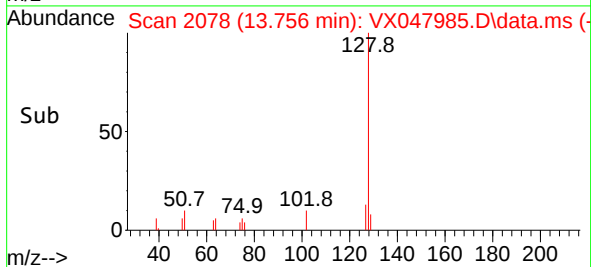
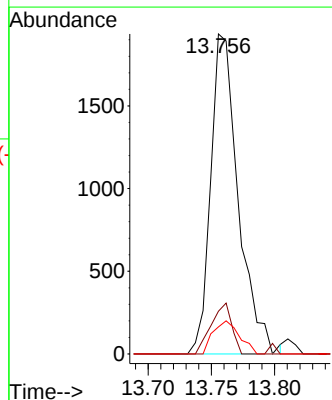
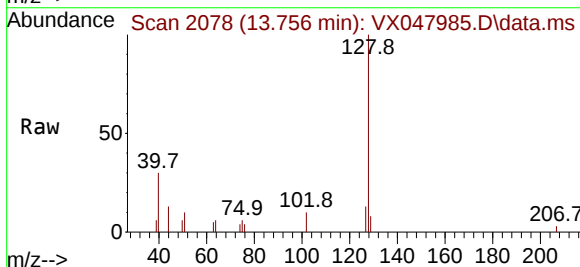
Instrument :
MSVOA_X
ClientSampleId :
TT189D1-20250922DL

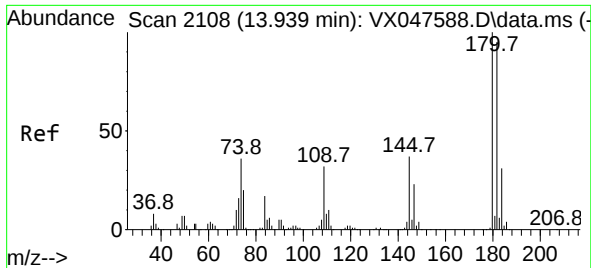
Tgt Ion:	225	Resp:	1233
Ion Ratio	Lower	Upper	
225	100		
223	76.1	31.7	95.1
227	67.6	32.0	96.0



#95
Naphthalene
Concen: 0.328 ug/l
RT: 13.756 min Scan# 2078
Delta R.T. -0.000 min
Lab File: VX047985.D
Acq: 03 Oct 2025 11:34

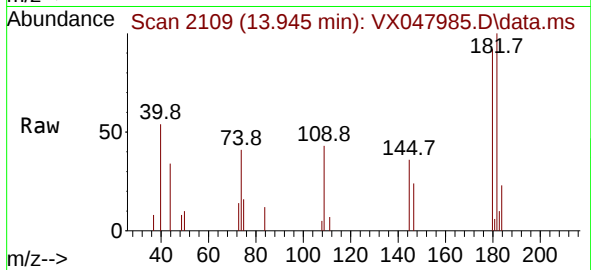
Tgt Ion:	128	Resp:	2939
Ion Ratio	Lower	Upper	
128	100		
127	11.8	10.2	15.2
129	9.8	8.8	13.2





#96
 1,2,3-Trichlorobenzene
 Concen: 0.475 ug/l
 RT: 13.945 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX047985.D
 Acq: 03 Oct 2025 11:34

Instrument :
 MSVOA_X
 ClientSampleId :
 TT189D1-20250922DL



Tgt Ion:	180	Resp:	1301
Ion Ratio	Lower	Upper	
180	100		
182	96.2	47.6	142.8
145	34.4	17.9	53.7

