

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
 Data File : VX047674.D
 Acq On : 19 Sep 2025 14:34
 Operator : JC/MD
 Sample : Q3095-32RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 20 00:32:29 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	188618	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	342292	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	316267	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	150121	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	153541	51.141	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.280%
35) Dibromofluoromethane	5.373	113	115022	50.105	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.220%
50) Toluene-d8	8.634	98	395238	49.758	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.520%
62) 4-Bromofluorobenzene	11.061	95	151815	50.360	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	100.720%

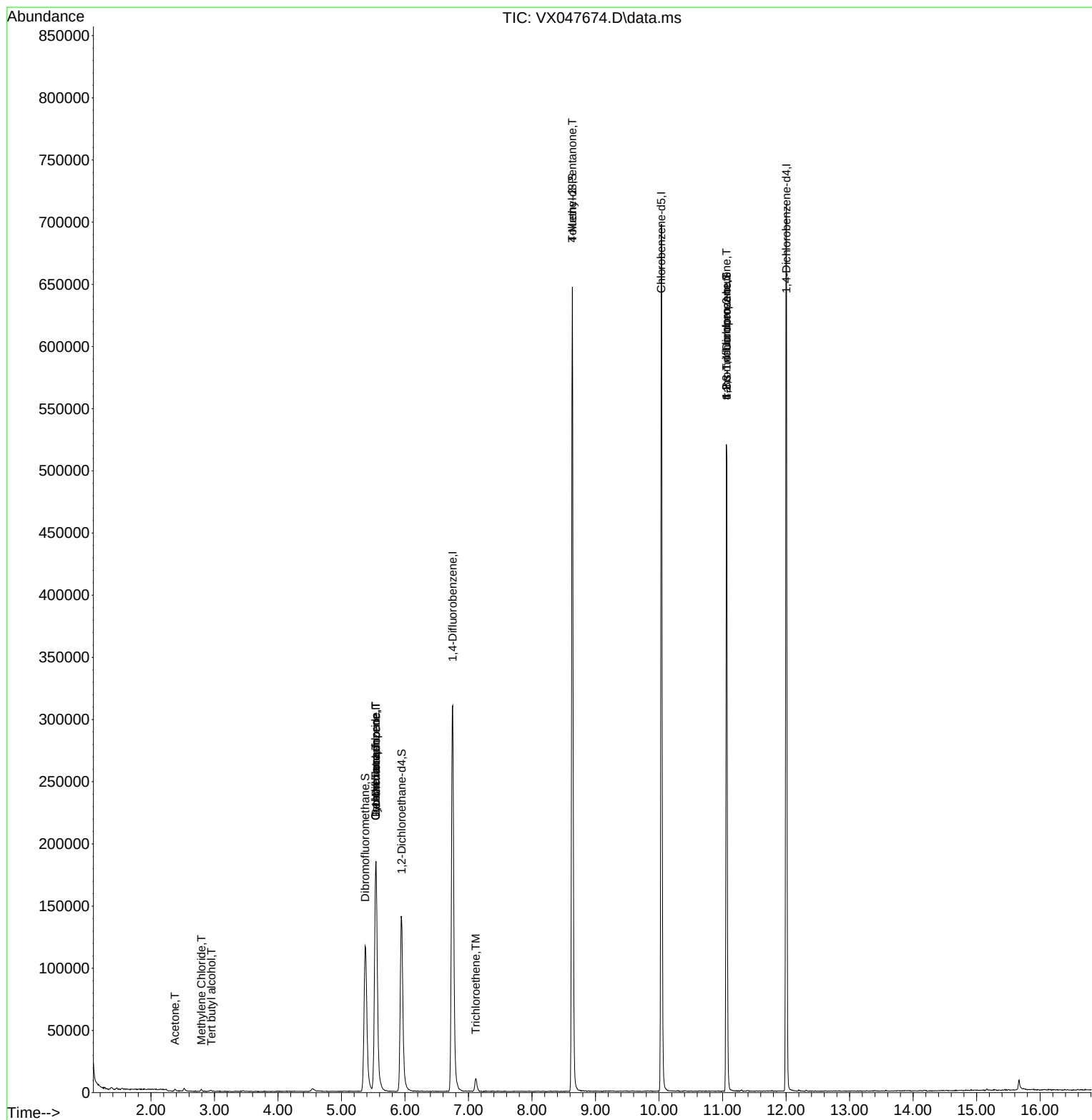
Target Compounds					Qvalue	
11) Tert butyl alcohol	2.953	59	201	0.601	ug/l #	72
16) Acetone	2.379	43	1921	1.472	ug/l #	81
20) Methylene Chloride	2.794	84	684	0.248	ug/l	97
31) Cyclohexane	5.537	56	4346	1.095	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	16041	4.782	ug/l #	47
38) Carbon Tetrachloride	5.537	117	19838	5.443	ug/l #	19
44) Trichloroethene	7.116	130	4544	1.845	ug/l	95
51) 4-Methyl-2-Pentanone	8.634	43	1881	0.576	ug/l #	1
76) 1,2,3-Trichloropropane	11.061	75	79379	26.116	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	79379	66.599	ug/l #	8

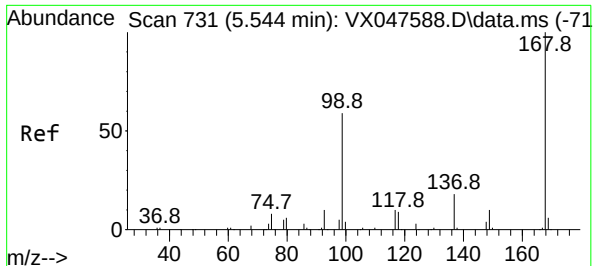
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Sep 20 00:32:29 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



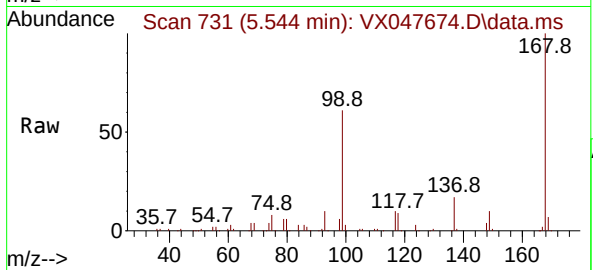


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047674.D
Acq: 19 Sep 2025 14:34

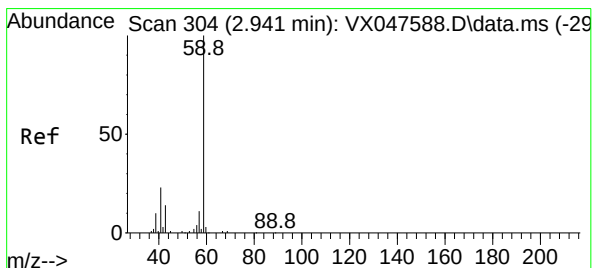
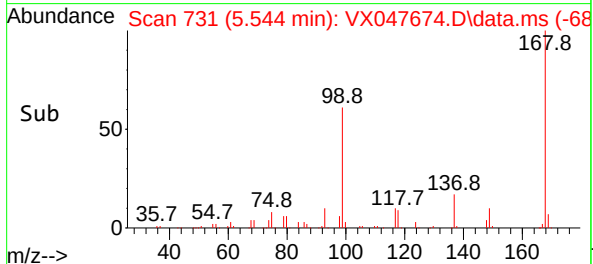
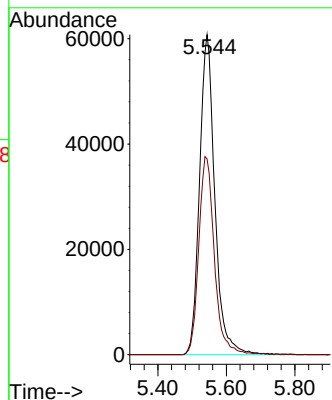
Instrument :

MSVOA_X

ClientSampleId :

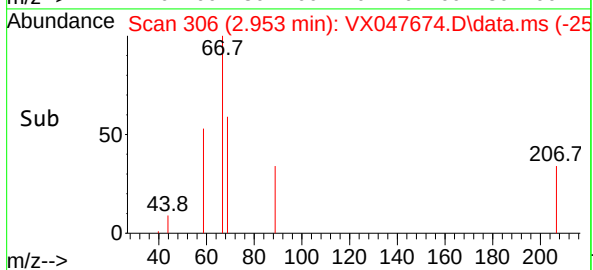
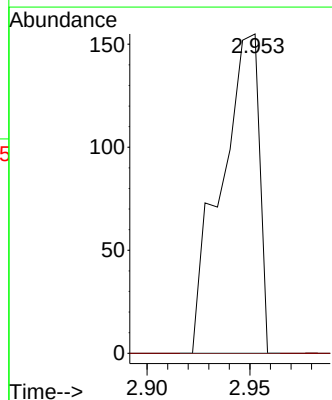
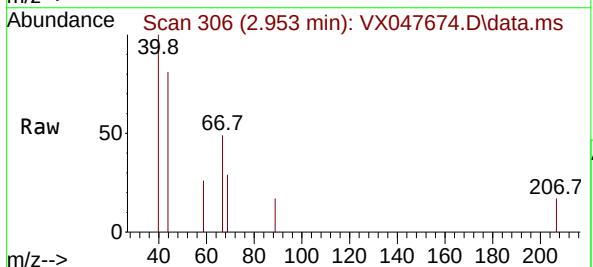


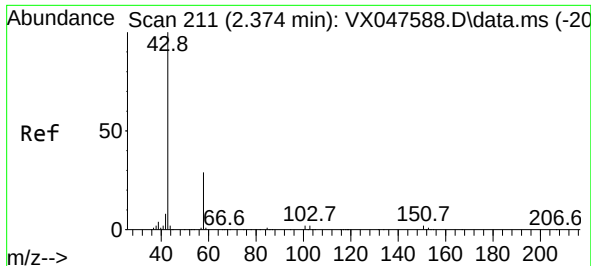
Tgt Ion:168 Resp: 188618
Ion Ratio Lower Upper
168 100
99 61.2 48.8 73.2



#11
Tert butyl alcohol
Concen: 0.601 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.012 min
Lab File: VX047674.D
Acq: 19 Sep 2025 14:34

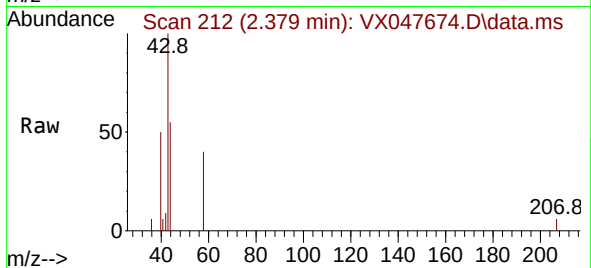
Tgt Ion: 59 Resp: 201
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



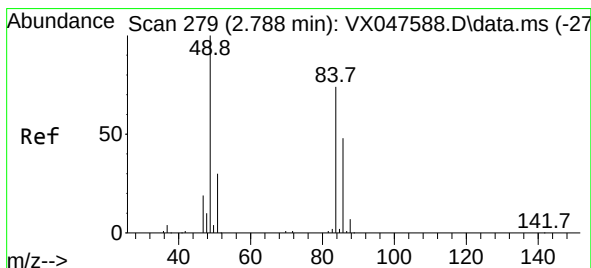
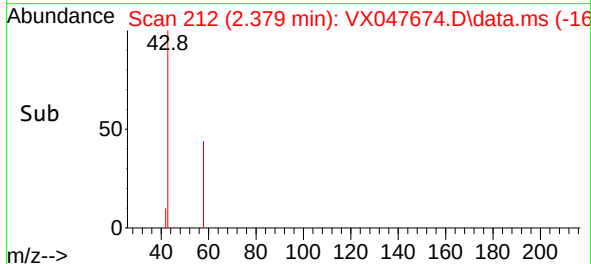
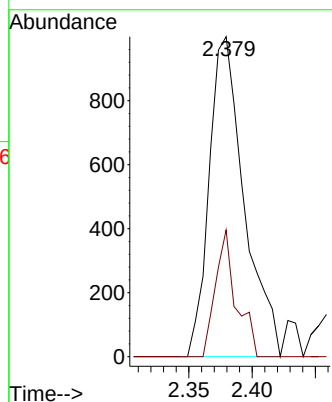


#16
Acetone
Concen: 1.472 ug/l
RT: 2.379 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047674.D
Acq: 19 Sep 2025 14:34

Instrument :
MSVOA_X
ClientSampleId :

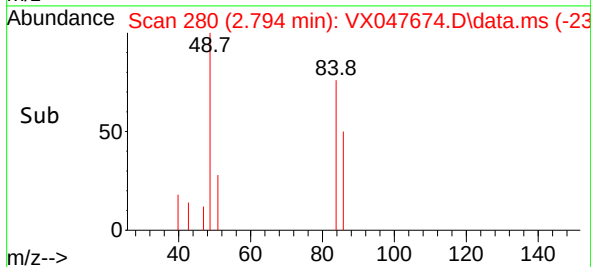
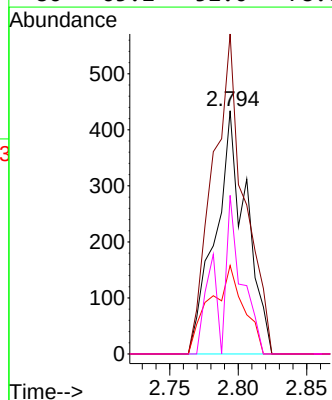
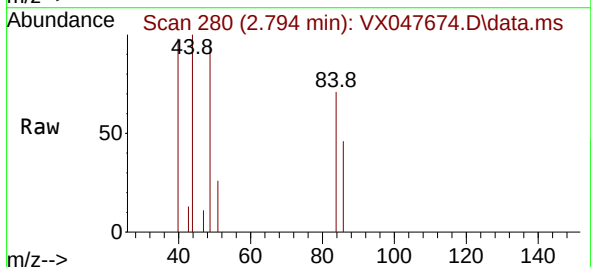


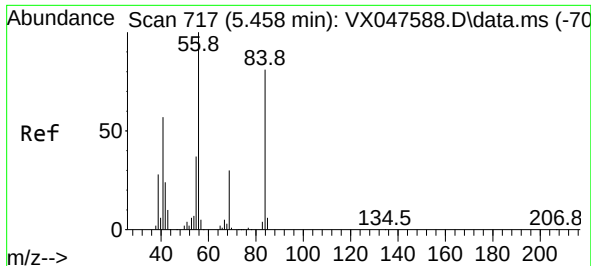
Tgt Ion: 43 Resp: 1921
Ion Ratio Lower Upper
43 100
58 39.6 23.4 35.0#



#20
Methylene Chloride
Concen: 0.248 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX047674.D
Acq: 19 Sep 2025 14:34

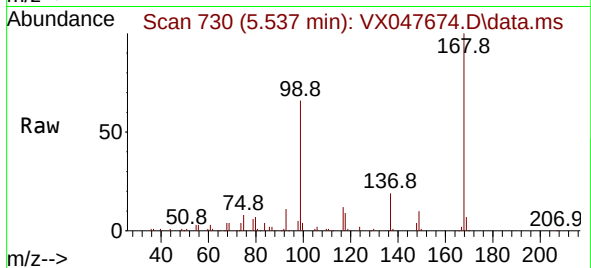
Tgt Ion: 84 Resp: 684
Ion Ratio Lower Upper
84 100
49 131.6 108.6 162.8
51 36.4 32.6 48.8
86 65.2 52.0 78.0



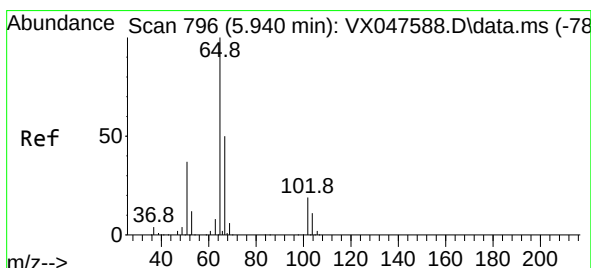
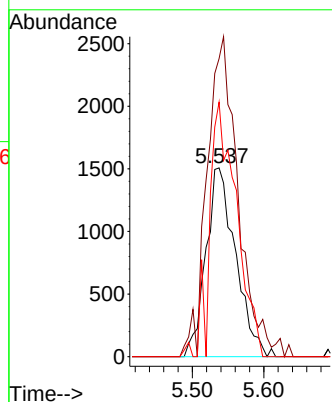
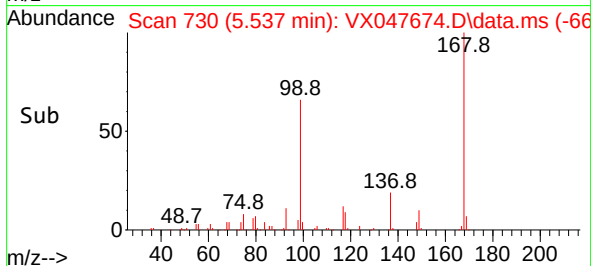


#31
Cyclohexane
Concen: 1.095 ug/l
RT: 5.537 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX047674.D
Acq: 19 Sep 2025 14:34

Instrument :
MSVOA_X
ClientSampleId :

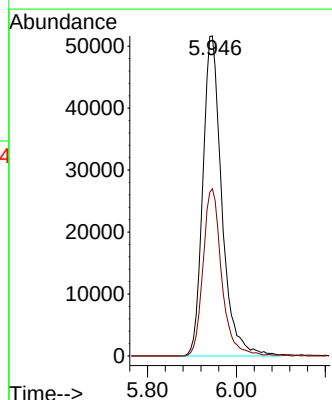
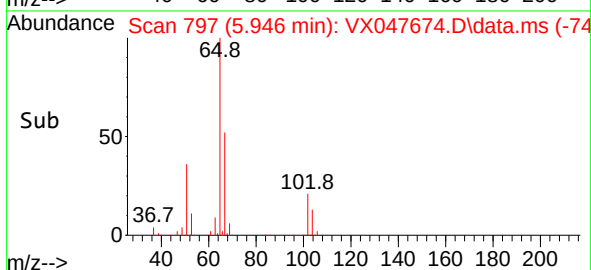
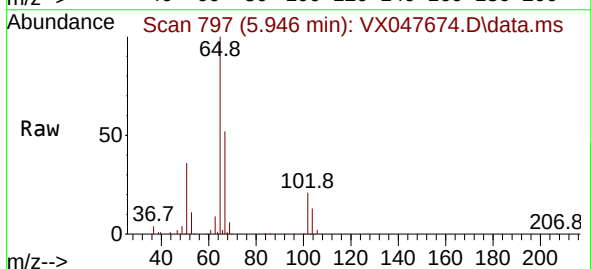


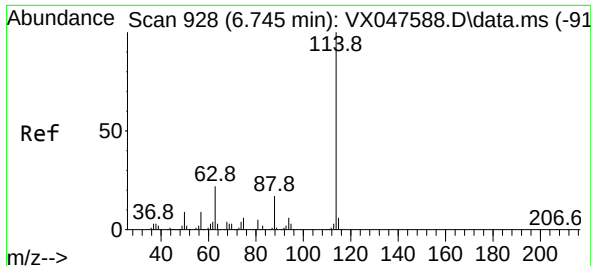
Tgt Ion: 56 Resp: 4346
Ion Ratio Lower Upper
56 100
69 157.9 23.8 35.8#
84 134.8 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 51.141 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047674.D
Acq: 19 Sep 2025 14:34

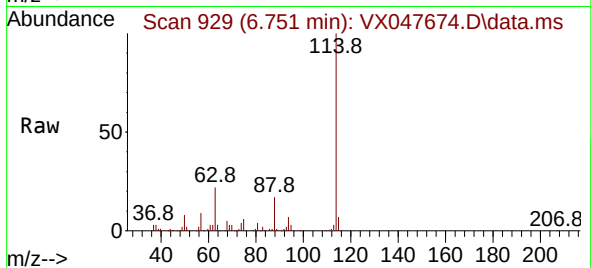
Tgt Ion: 65 Resp: 153541
Ion Ratio Lower Upper
65 100
67 51.2 0.0 103.0



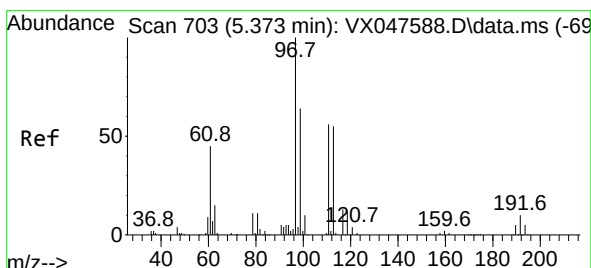
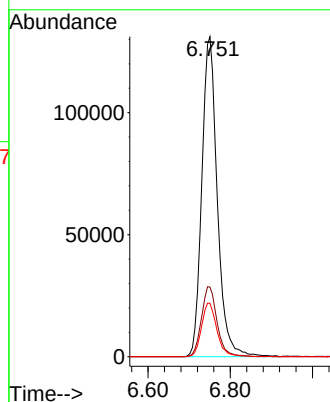
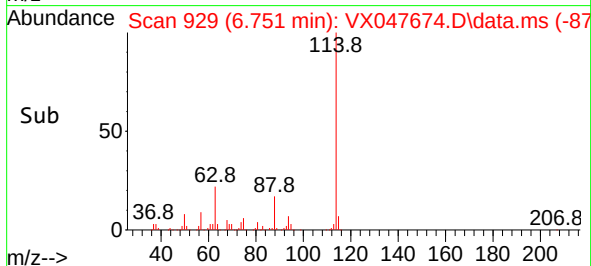


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047674.D
Acq: 19 Sep 2025 14:34

Instrument :
MSVOA_X
ClientSampleId :

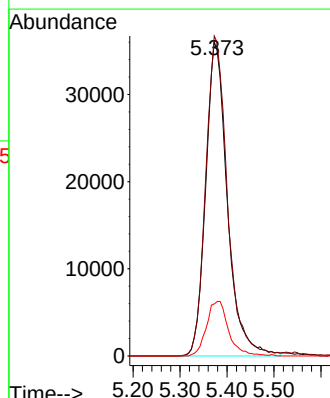
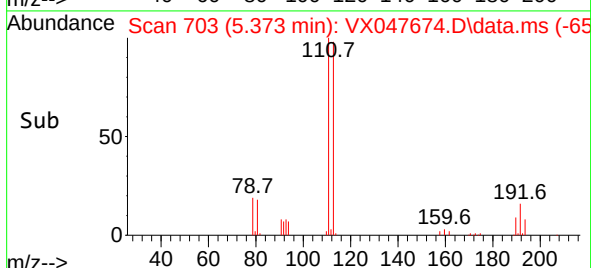
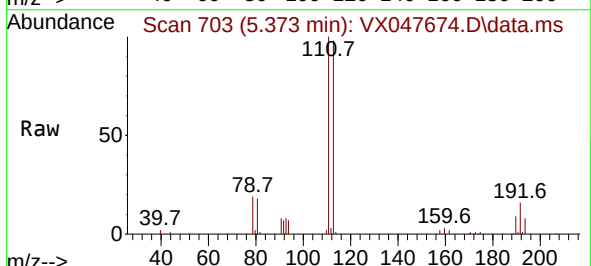


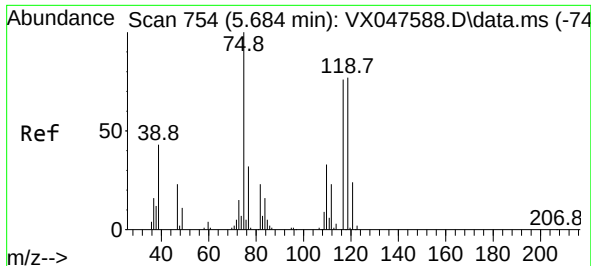
Tgt Ion:114 Resp: 342292
Ion Ratio Lower Upper
114 100
63 21.8 0.0 44.0
88 16.7 0.0 34.2



#35
Dibromofluoromethane
Concen: 50.105 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047674.D
Acq: 19 Sep 2025 14:34

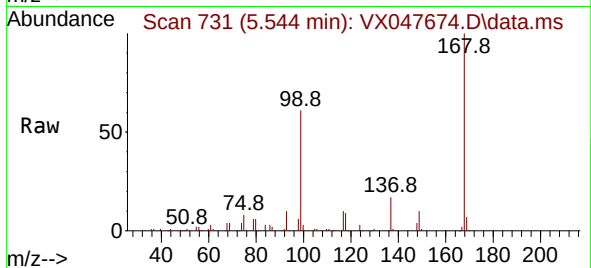
Tgt Ion:113 Resp: 115022
Ion Ratio Lower Upper
113 100
111 102.6 80.9 121.3
192 17.8 14.2 21.4



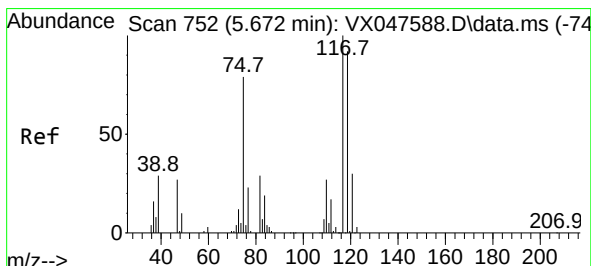
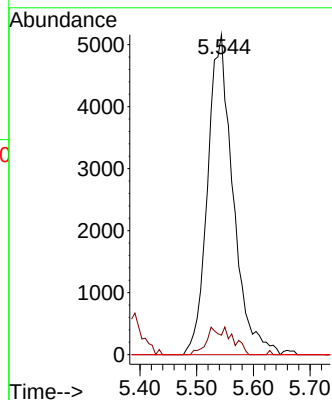
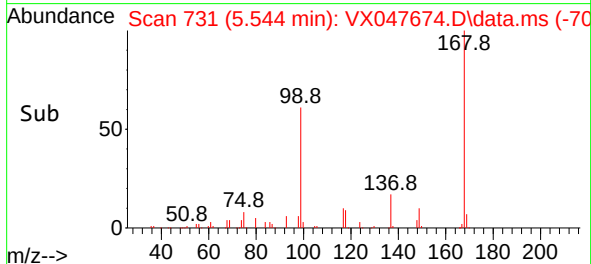


#36
1,1-Dichloropropene
Concen: 4.782 ug/l
RT: 5.544 min Scan# 710
Delta R.T. -0.140 min
Lab File: VX047674.D
Acq: 19 Sep 2025 14:34

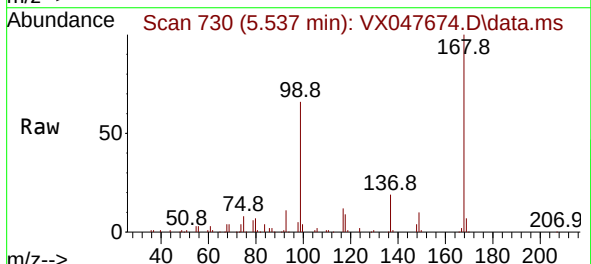
Instrument :
MSVOA_X
ClientSampleId :



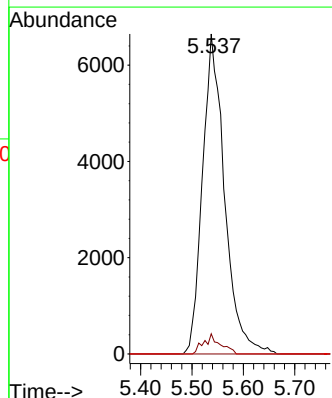
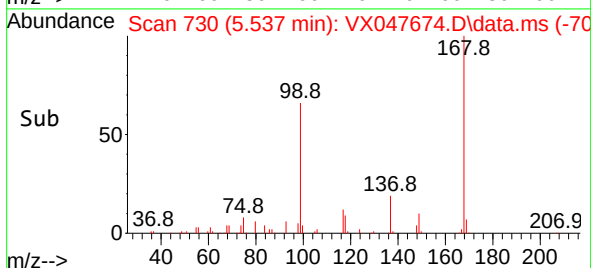
Tgt Ion: 75 Resp: 16041
Ion Ratio Lower Upper
75 100
110 4.7 16.7 50.1#
77 0.0 24.3 36.5#

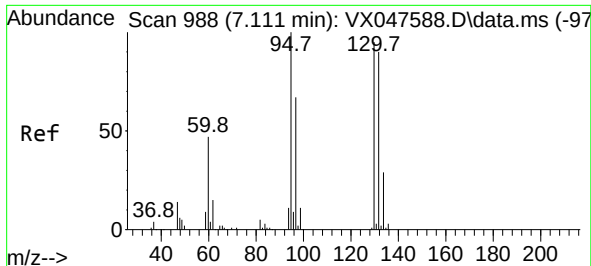


#38
Carbon Tetrachloride
Concen: 5.443 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.134 min
Lab File: VX047674.D
Acq: 19 Sep 2025 14:34



Tgt Ion: 117 Resp: 19838
Ion Ratio Lower Upper
117 100
119 6.3 73.4 110.2#
121 0.0 23.8 35.6#

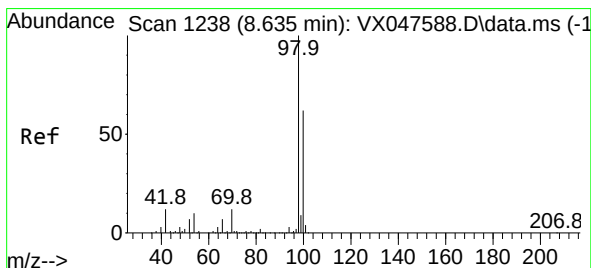
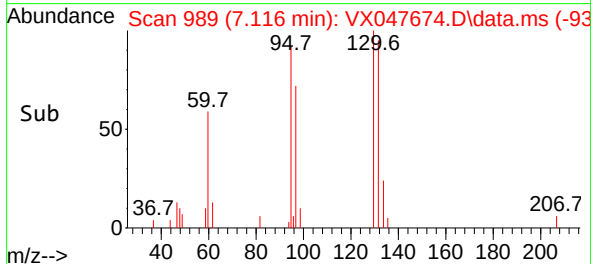
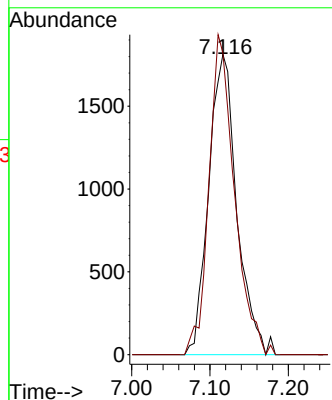
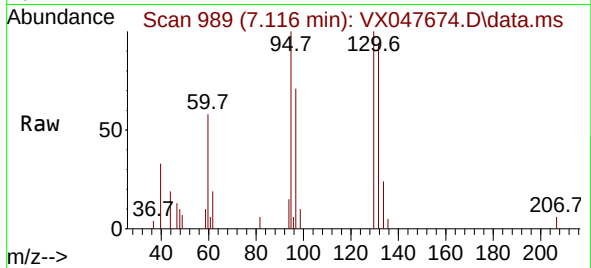




#44
 Trichloroethene
 Concen: 1.845 ug/l
 RT: 7.116 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VX047674.D
 Acq: 19 Sep 2025 14:34

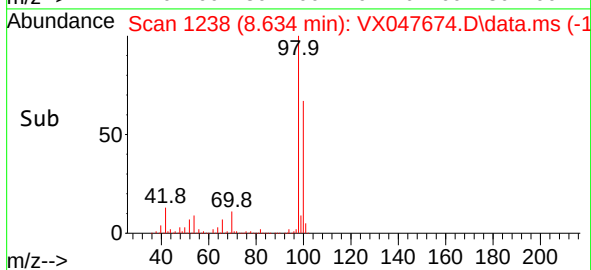
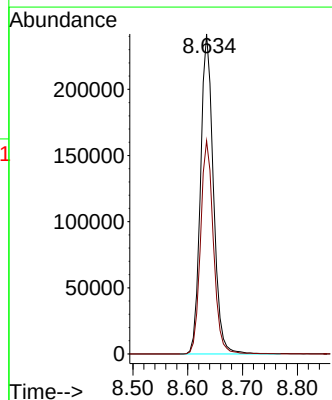
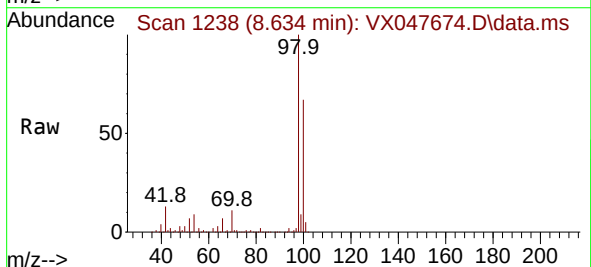
Instrument :
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 ClientSampleId :

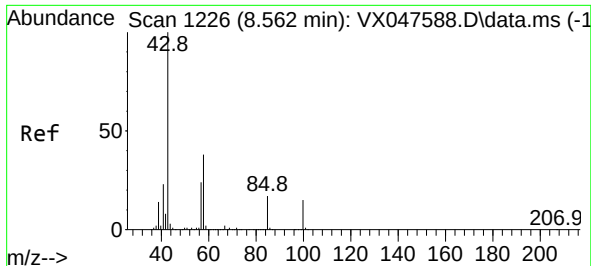
Tgt Ion:130 Resp: 4544
 Ion Ratio Lower Upper
 130 100
 95 100.4 0.0 210.8



#50
 Toluene-d8
 Concen: 49.758 ug/l
 RT: 8.634 min Scan# 1238
 Delta R.T. -0.000 min
 Lab File: VX047674.D
 Acq: 19 Sep 2025 14:34

Tgt Ion: 98 Resp: 395238
 Ion Ratio Lower Upper
 98 100
 100 66.7 53.0 79.4

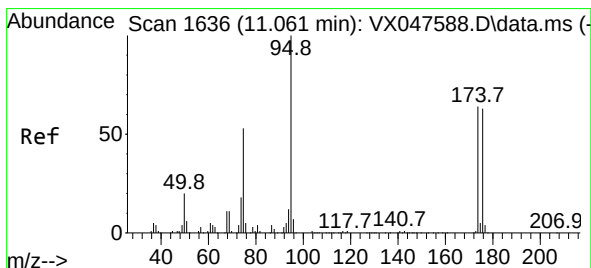
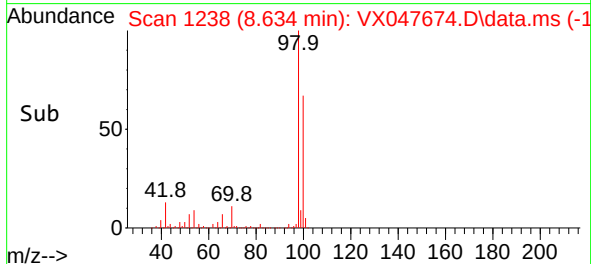
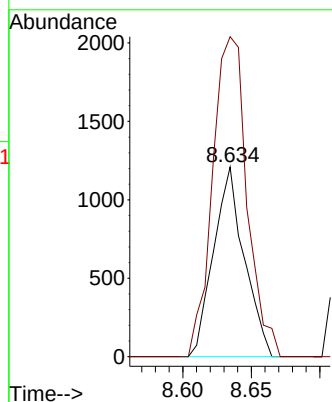
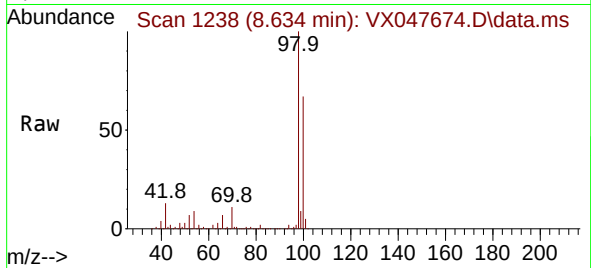




#51
4-Methyl-2-Pentanone
Concen: 0.576 ug/l
RT: 8.634 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX047674.D
Acq: 19 Sep 2025 14:34

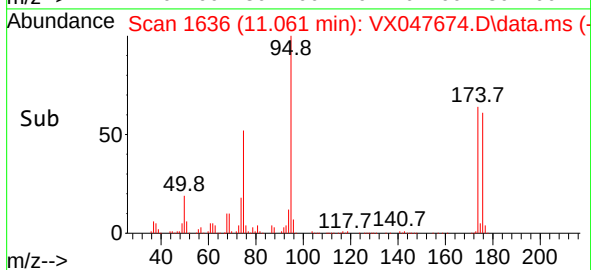
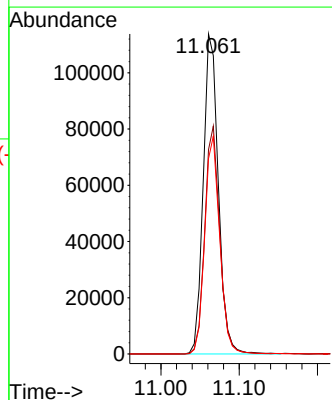
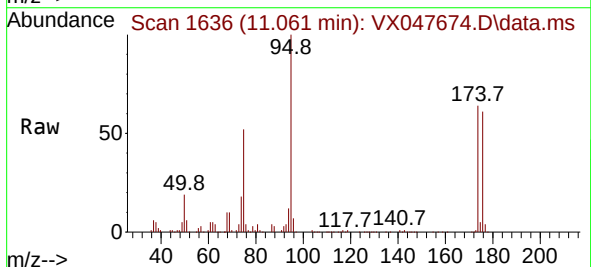
Instrument :
MSVOA_X
ClientSampleId :

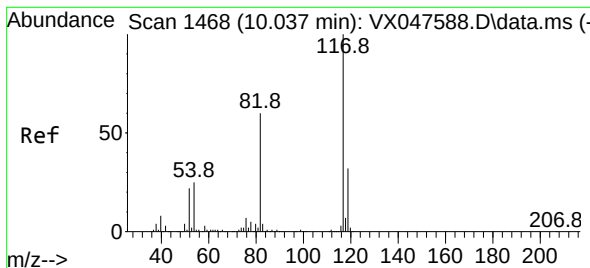
Tgt Ion: 43 Resp: 1881
Ion Ratio Lower Upper
43 100
58 190.0 30.3 45.5#



#62
4-Bromofluorobenzene
Concen: 50.360 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047674.D
Acq: 19 Sep 2025 14:34

Tgt Ion: 95 Resp: 151815
Ion Ratio Lower Upper
95 100
174 71.3 0.0 141.6
176 67.8 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

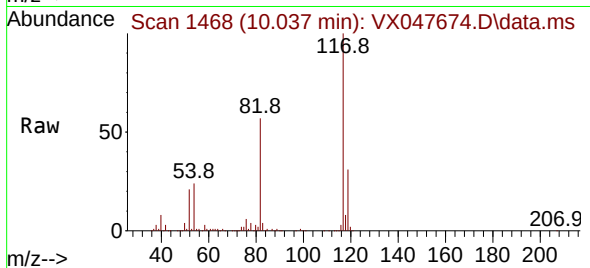
Lab File: VX047674.D

Acq: 19 Sep 2025 14:34

Instrument :

MSVOA_X

ClientSampleId :



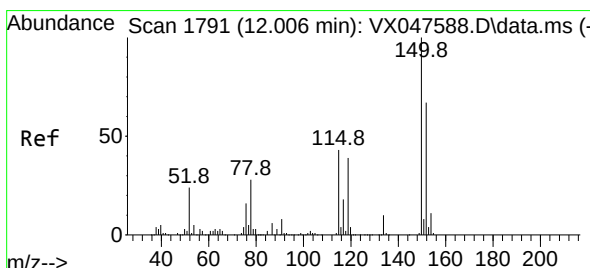
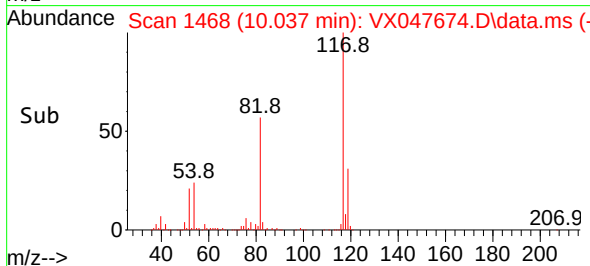
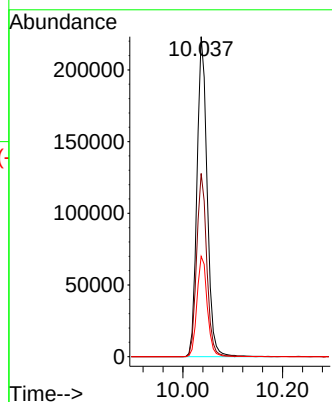
Tgt Ion:117 Resp: 316267

Ion Ratio Lower Upper

117 100

82 57.3 47.8 71.6

119 31.3 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: VX047674.D

Acq: 19 Sep 2025 14:34

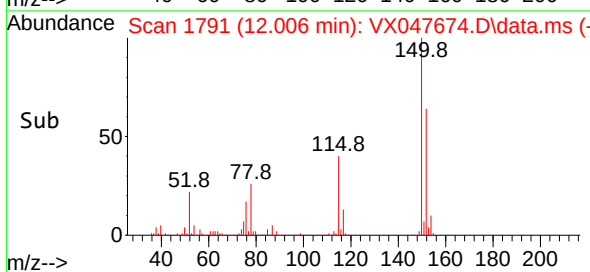
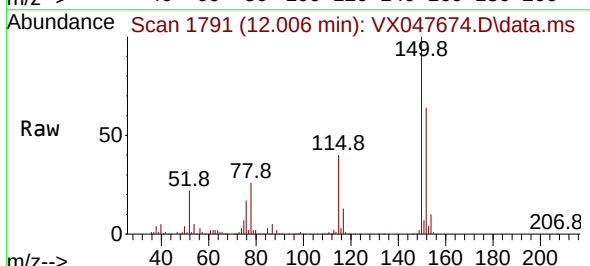
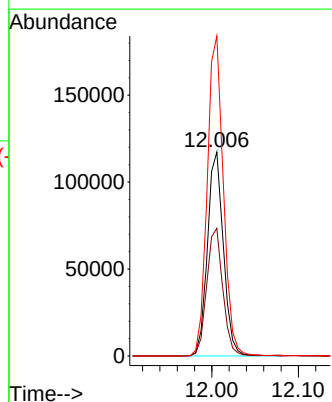
Tgt Ion:152 Resp: 150121

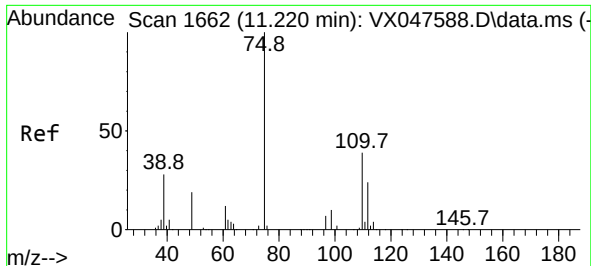
Ion Ratio Lower Upper

152 100

115 63.1 44.9 134.5

150 158.1 0.0 352.0

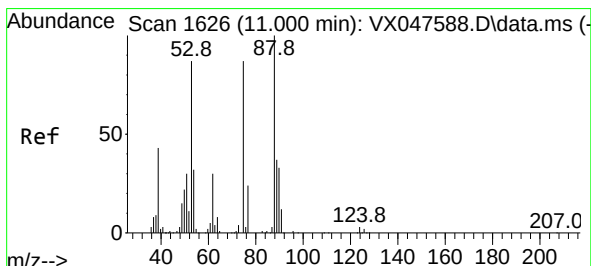
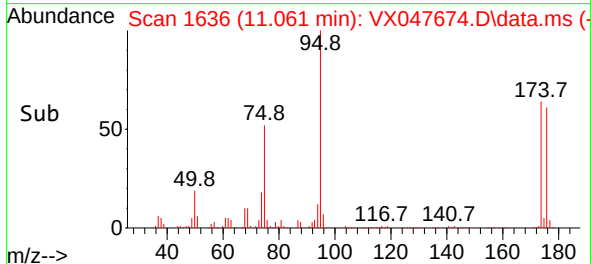
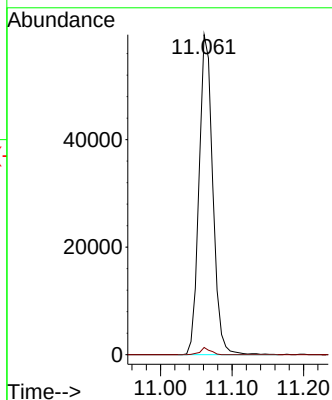
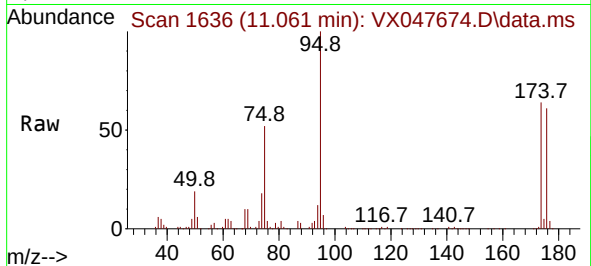




#76
1,2,3-Trichloropropane
Concen: 26.116 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047674.D
Acq: 19 Sep 2025 14:34

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 79379
Ion Ratio Lower Upper
75 100
77 1.7 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 66.599 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047674.D
Acq: 19 Sep 2025 14:34

Tgt Ion: 75 Resp: 79379
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

