

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
 Data File : VX047673.D
 Acq On : 19 Sep 2025 14:13
 Operator : JC/MD
 Sample : Q3095-31RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D-20250911

Quant Time: Sep 20 00:32:06 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)

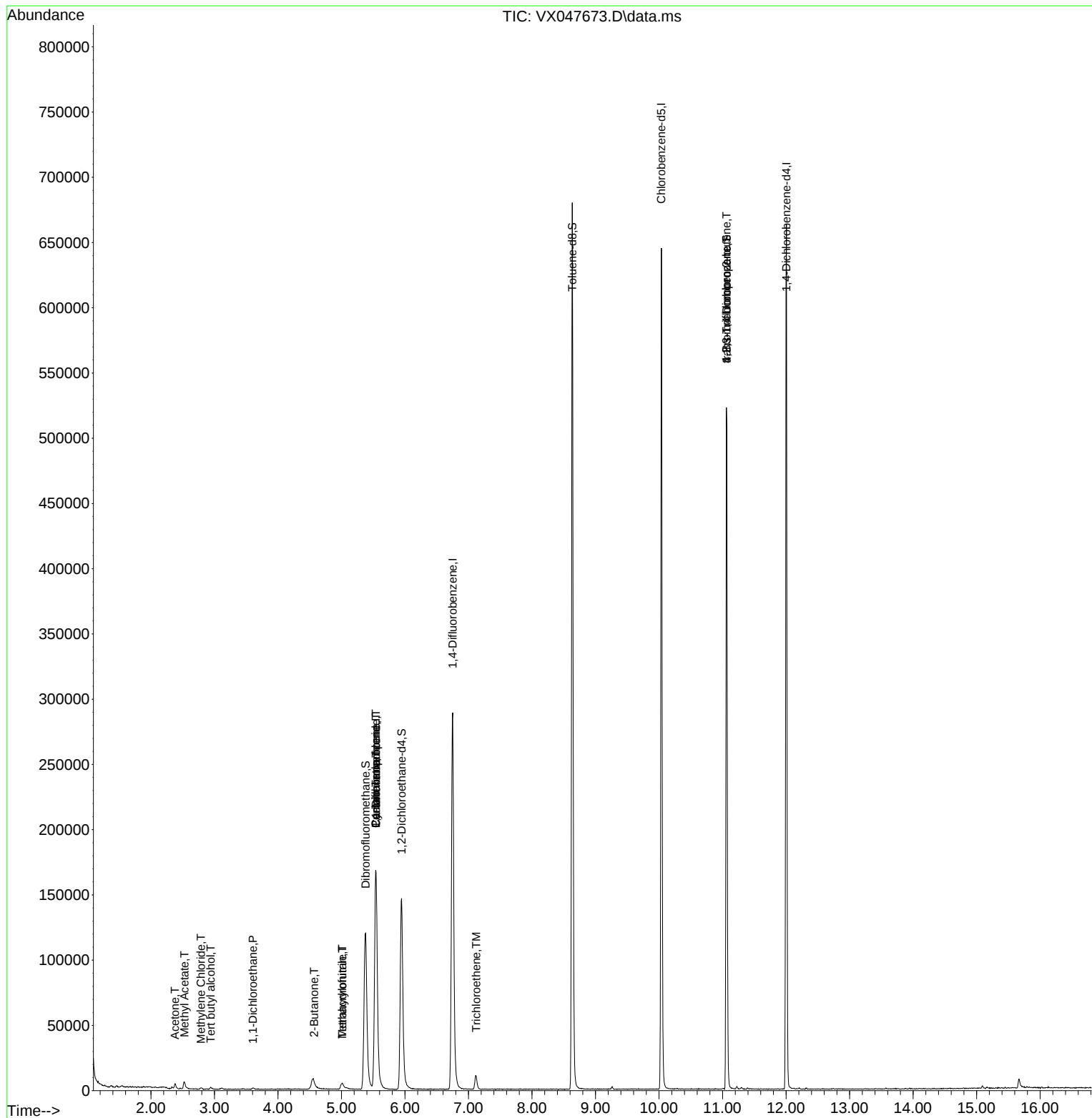
Internal Standards						
1) Pentafluorobenzene	5.544	168	171154	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	314018	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	285129	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	139806	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	158137	58.046	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	116.100%
35) Dibromofluoromethane	5.379	113	119342	56.668	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	113.340%
50) Toluene-d8	8.635	98	408915	56.115	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	112.220%#
62) 4-Bromofluorobenzene	11.061	95	156651	56.643	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	113.280%
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.941	59	289	0.952	ug/l #	72
16) Acetone	2.380	43	5327	4.497	ug/l	94
18) Methyl Acetate	2.526	43	1597	0.606	ug/l #	54
20) Methylene Chloride	2.788	84	537	0.214	ug/l #	85
24) 1,1-Dichloroethane	3.605	63	1696	0.392	ug/l #	81
25) 2-Butanone	4.568	43	6138	4.154	ug/l #	80
29) Tetrahydrofuran	5.013	42	5037	5.667	ug/l	97
31) Cyclohexane	5.544	56	3689	1.025	ug/l #	1
36) 1,1-Dichloropropene	5.544	75	14597	4.743	ug/l #	48
38) Carbon Tetrachloride	5.544	117	18643	5.576	ug/l #	19
41) Methacrylonitrile	5.013	41	3260	1.916	ug/l #	47
44) Trichloroethene	7.123	130	4873	2.157	ug/l	70
76) 1,2,3-Trichloropropane	11.061	75	81811	28.902	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	81811	73.704	ug/l #	8

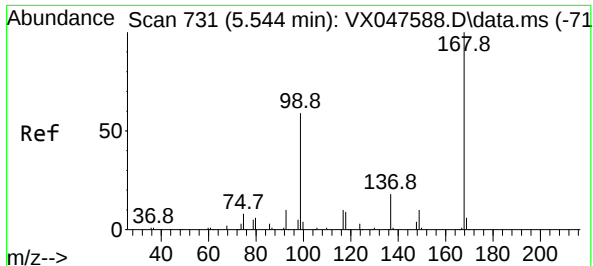
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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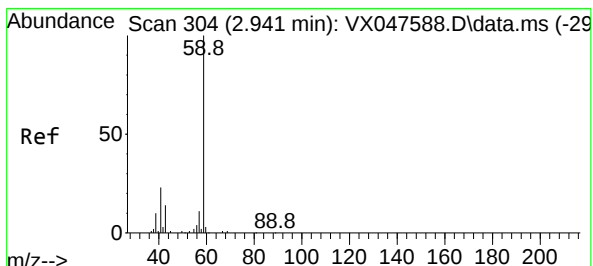
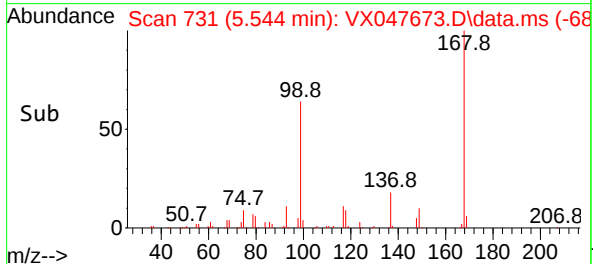
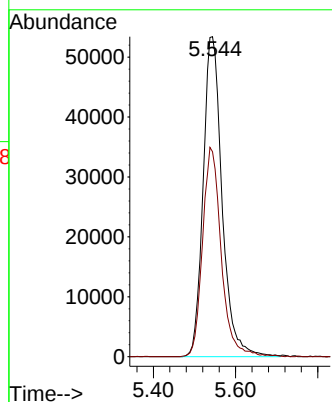
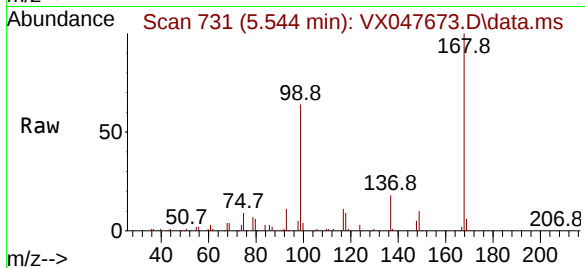




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.000 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

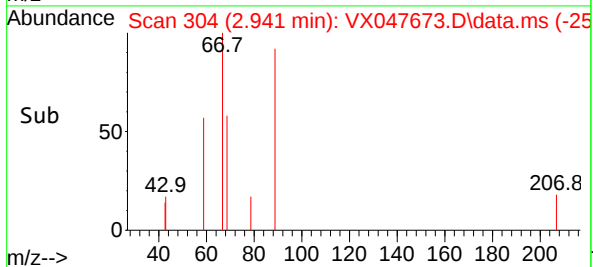
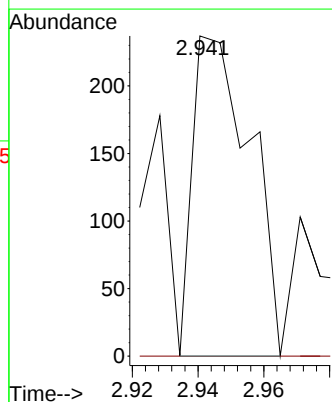
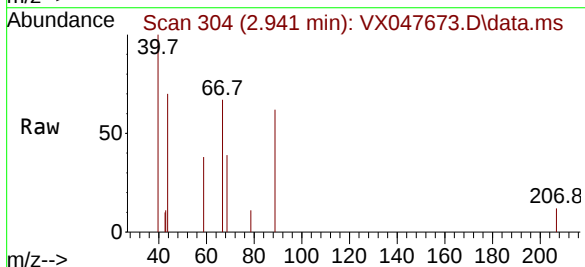
Instrument :
MSVOA_X
ClientSampleId :
TT180D-20250911

Tgt Ion:168 Resp: 171154
Ion Ratio Lower Upper
168 100
99 64.1 48.8 73.2



#11
Tert butyl alcohol
Concen: 0.952 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

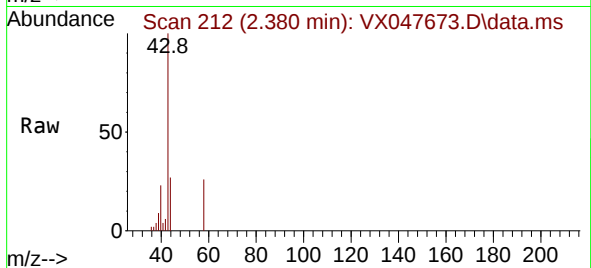
Tgt Ion: 59 Resp: 289
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



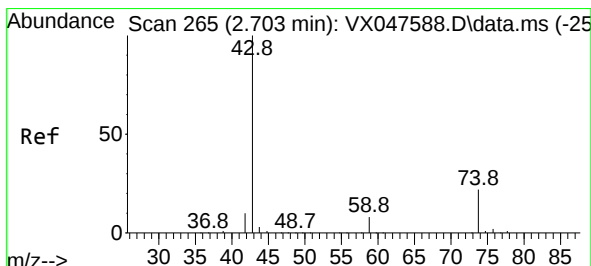
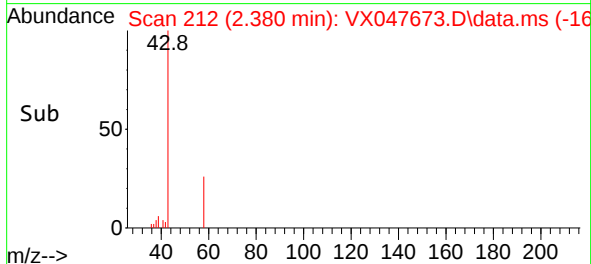
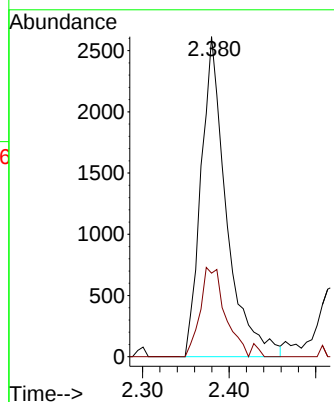


#16
Acetone
Concen: 4.497 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

Instrument :
MSVOA_X
ClientSampleId :
TT180D-20250911

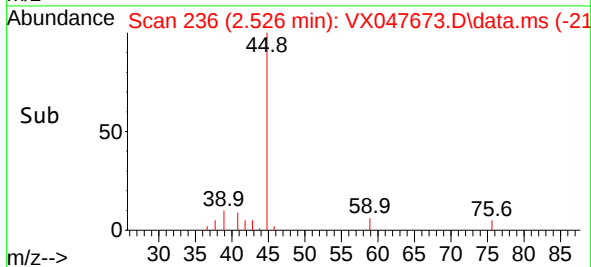
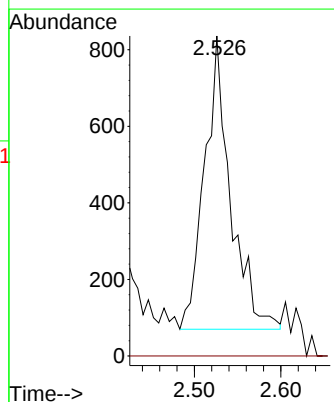
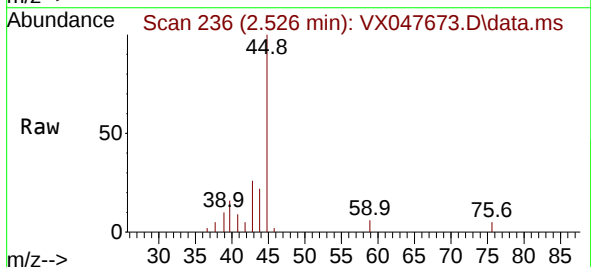


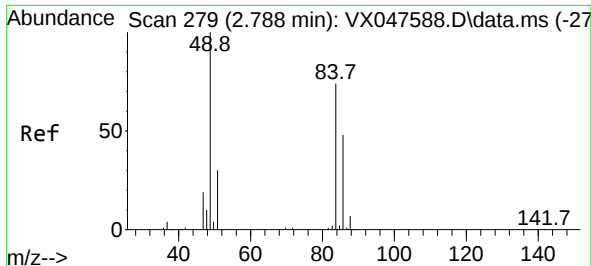
Tgt Ion: 43 Resp: 5327
Ion Ratio Lower Upper
43 100
58 26.1 23.4 35.0



#18
Methyl Acetate
Concen: 0.606 ug/l
RT: 2.526 min Scan# 236
Delta R.T. -0.177 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

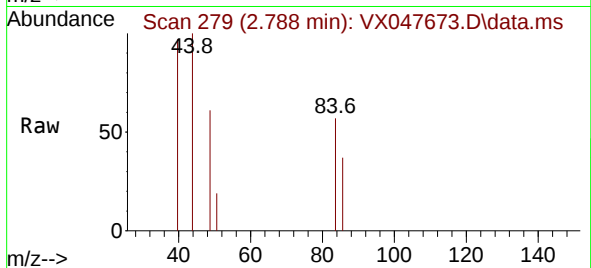
Tgt Ion: 43 Resp: 1597
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#



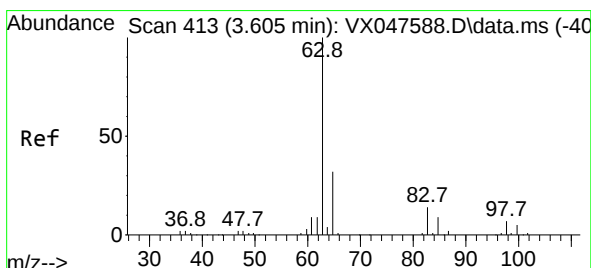
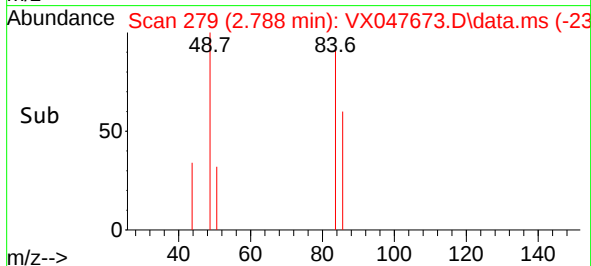
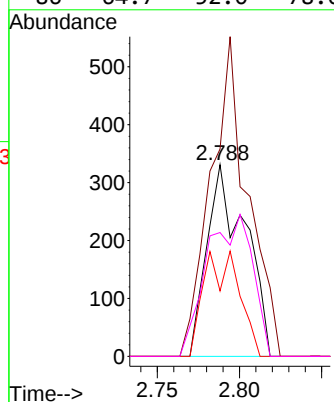


#20
Methylene Chloride
Concen: 0.214 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

Instrument :
MSVOA_X
ClientSampleId :
TT180D-20250911

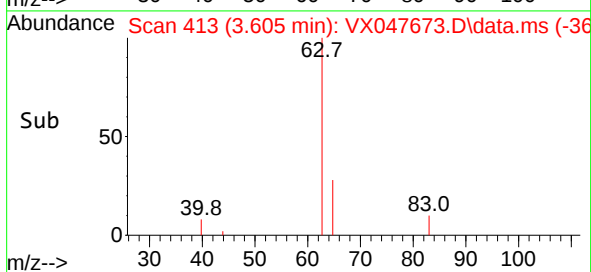
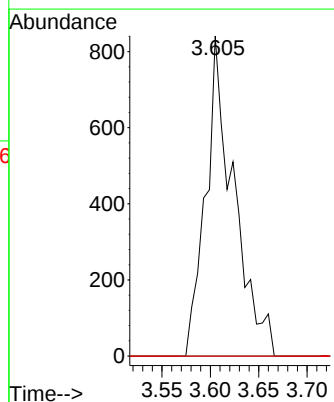
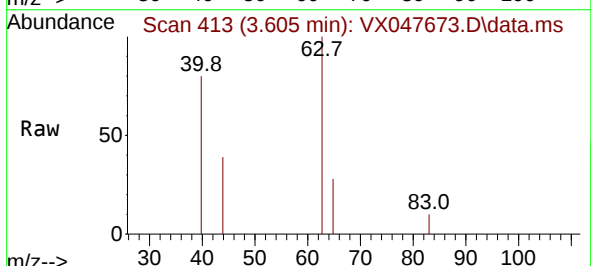


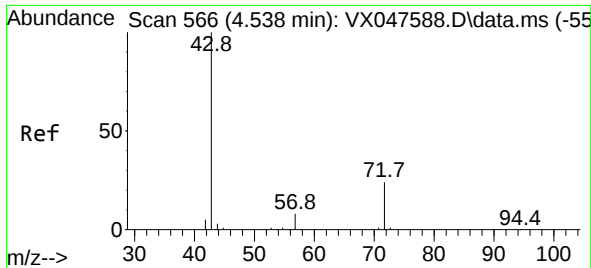
Tgt Ion:	84	Resp:	537
Ion	Ratio	Lower	Upper
84	100		
49	108.2	108.6	162.8#
51	34.1	32.6	48.8
86	64.7	52.0	78.0



#24
1,1-Dichloroethane
Concen: 0.392 ug/l
RT: 3.605 min Scan# 413
Delta R.T. -0.000 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

Tgt Ion:	63	Resp:	1696
Ion	Ratio	Lower	Upper
63	100		
98	0.0	3.8	11.2#
100	0.0	2.3	6.9#

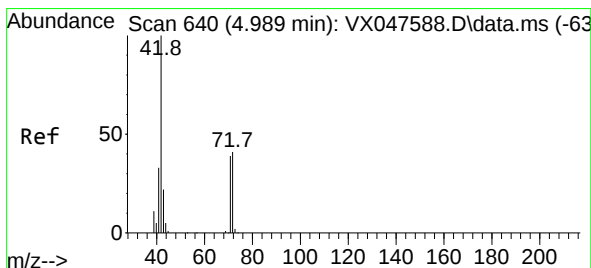
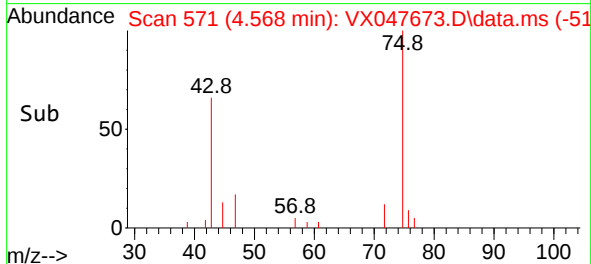
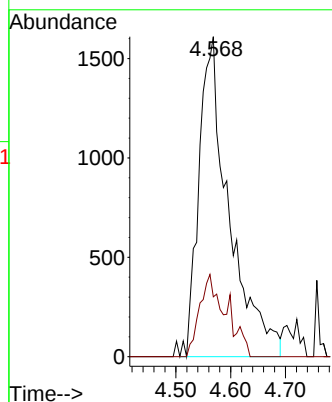
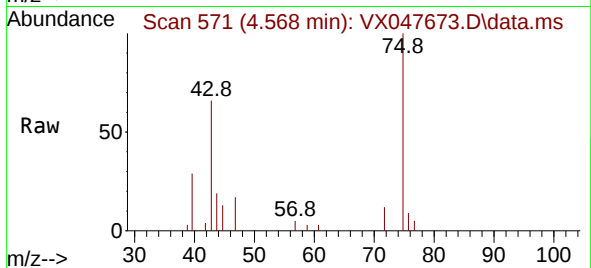




#25
2-Butanone
Concen: 4.154 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

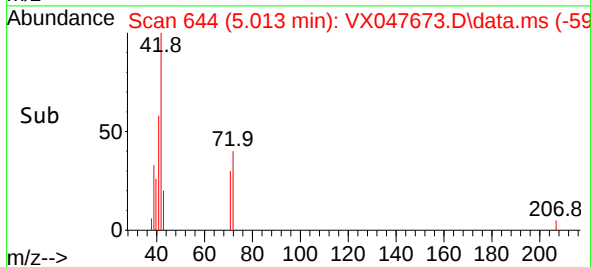
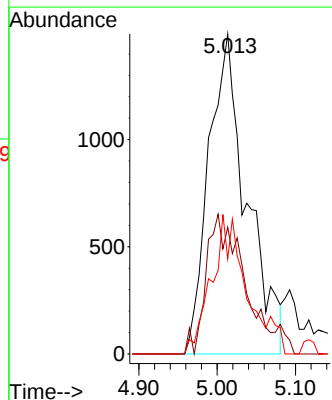
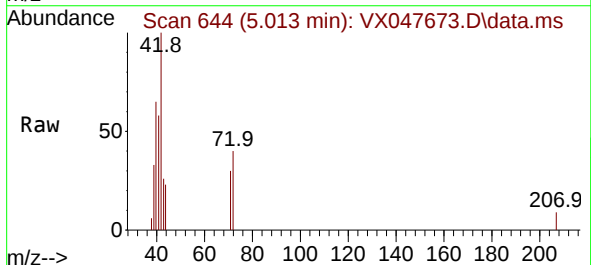
Instrument :
MSVOA_X
ClientSampleId :
TT180D-20250911

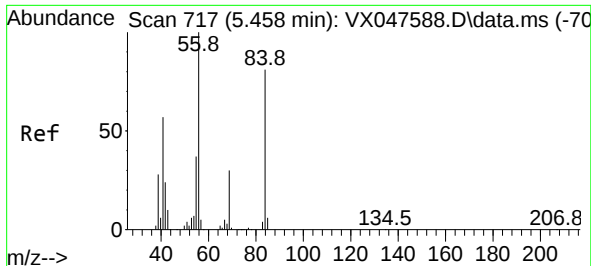
Tgt Ion: 43 Resp: 6138
Ion Ratio Lower Upper
43 100
72 15.2 20.1 30.1#



#29
Tetrahydrofuran
Concen: 5.667 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.024 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

Tgt Ion: 42 Resp: 5037
Ion Ratio Lower Upper
42 100
72 42.4 34.2 51.2
71 36.9 31.9 47.9

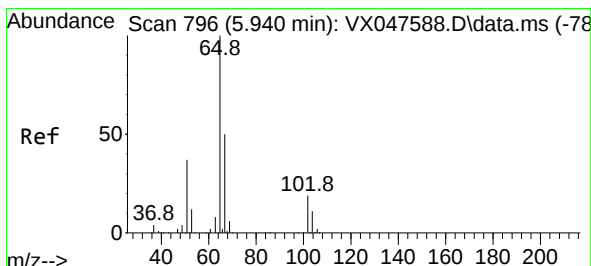
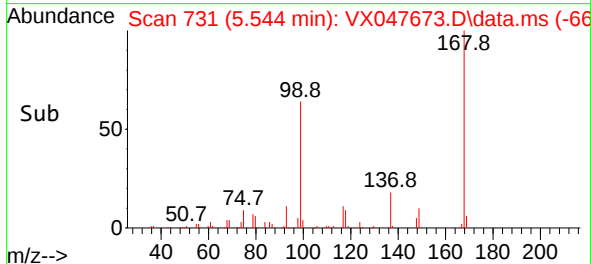
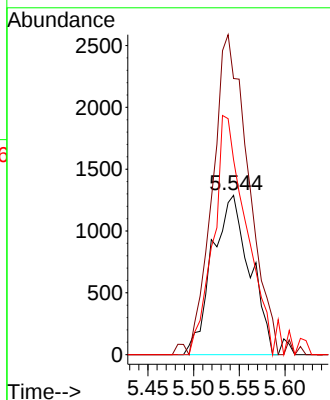
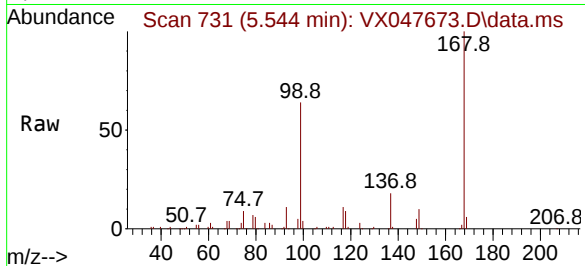




#31
Cyclohexane
Concen: 1.025 ug/l
RT: 5.544 min Scan# 717
Delta R.T. 0.085 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

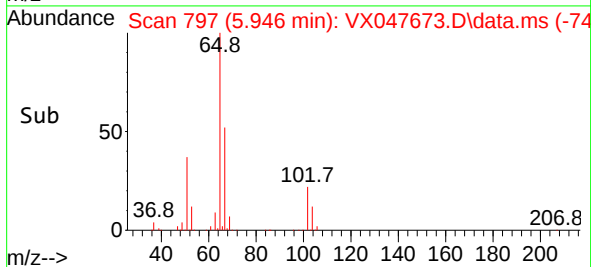
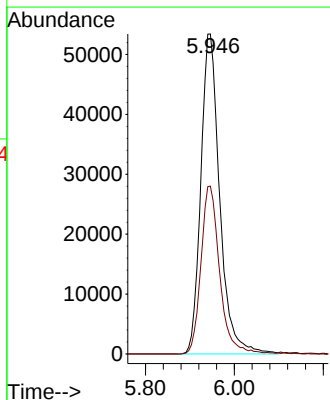
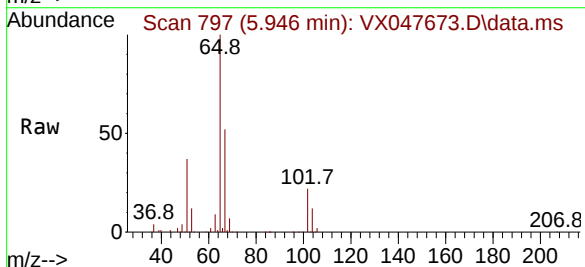
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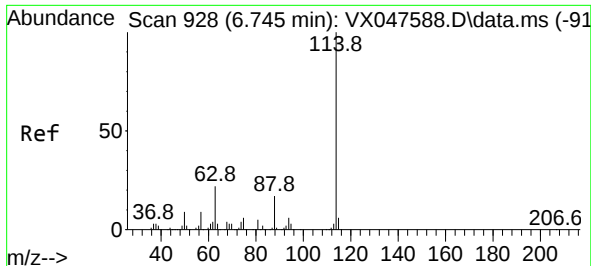
Tgt Ion: 56 Resp: 3689
Ion Ratio Lower Upper
56 100
69 173.2 23.8 35.8#
84 122.3 64.6 97.0#



#33
1,2-Dichloroethane-d4
Concen: 58.046 ug/l
RT: 5.946 min Scan# 797
Delta R.T. 0.006 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

Tgt Ion: 65 Resp: 158137
Ion Ratio Lower Upper
65 100
67 51.9 0.0 103.0

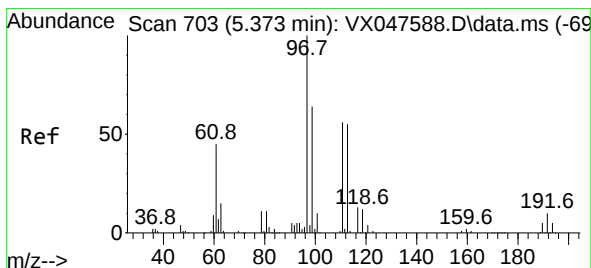
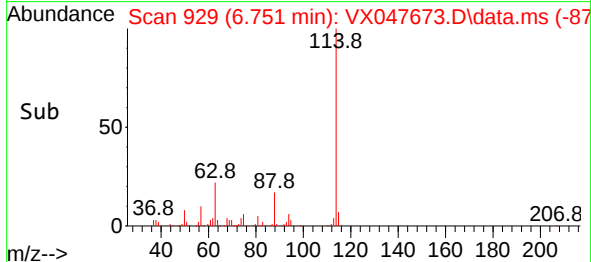
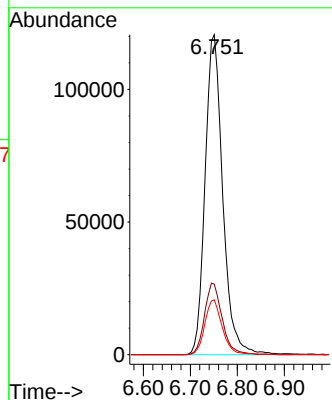
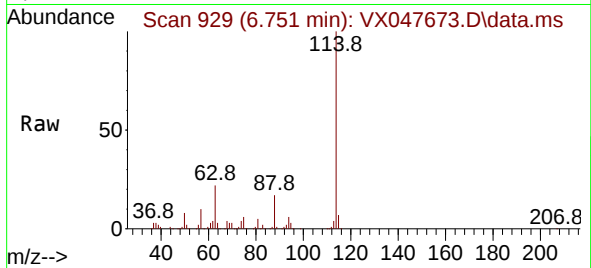




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

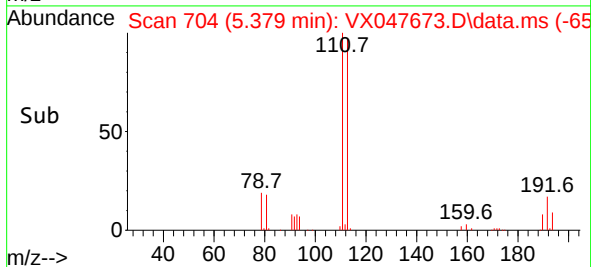
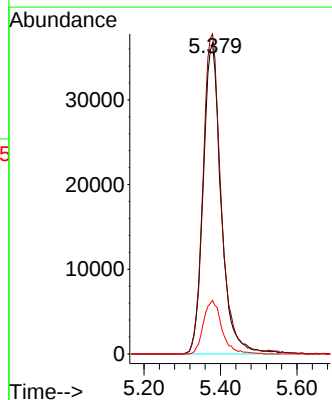
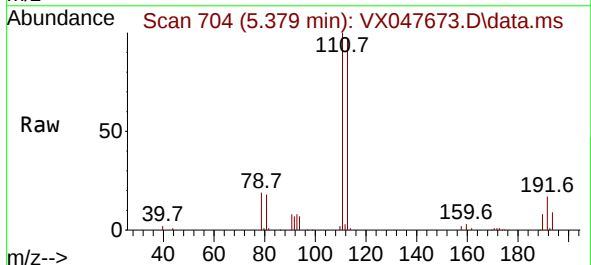
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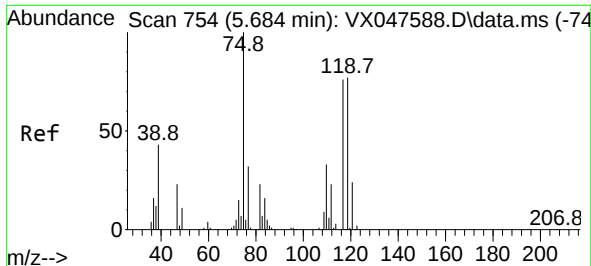
Tgt Ion:114 Resp: 314018
Ion Ratio Lower Upper
114 100
63 22.0 0.0 44.0
88 17.2 0.0 34.2



#35
Dibromofluoromethane
Concen: 56.668 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

Tgt Ion:113 Resp: 119342
Ion Ratio Lower Upper
113 100
111 103.7 80.9 121.3
192 17.7 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.743 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.140 min

Lab File: VX047673.D

Acq: 19 Sep 2025 14:13

Instrument :

MSVOA_X

ClientSampleId :

TT180D-20250911

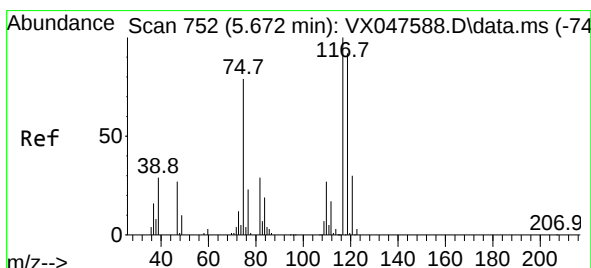
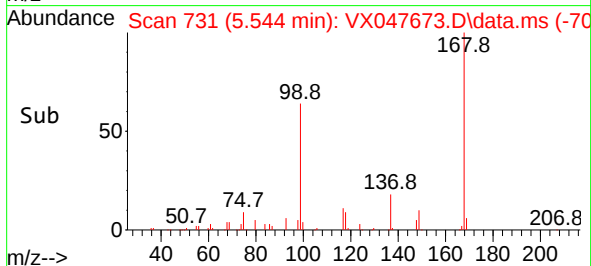
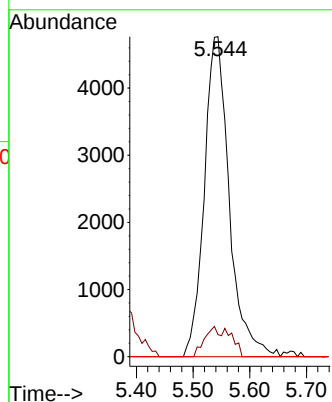
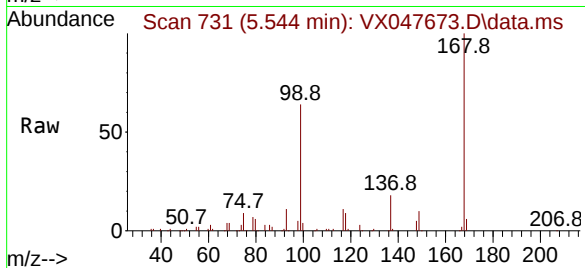
Tgt Ion: 75 Resp: 14597

Ion Ratio Lower Upper

75 100

110 5.9 16.7 50.1#

77 0.0 24.3 36.5#



#38

Carbon Tetrachloride

Concen: 5.576 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.128 min

Lab File: VX047673.D

Acq: 19 Sep 2025 14:13

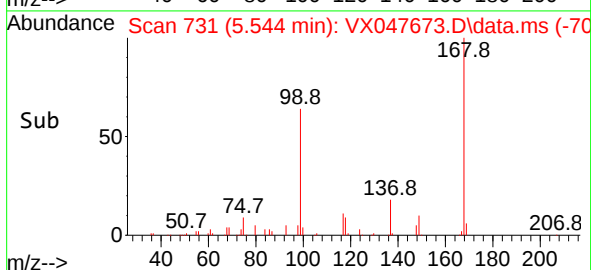
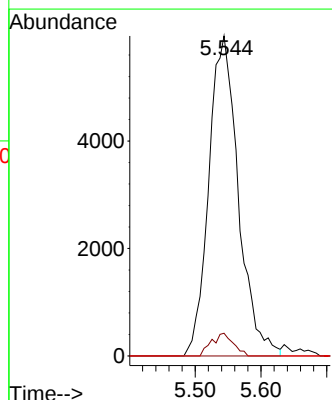
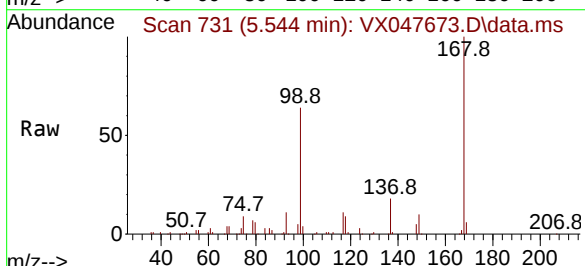
Tgt Ion: 117 Resp: 18643

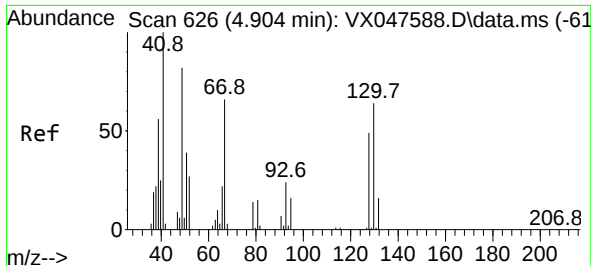
Ion Ratio Lower Upper

117 100

119 7.1 73.4 110.2#

121 0.0 23.8 35.6#

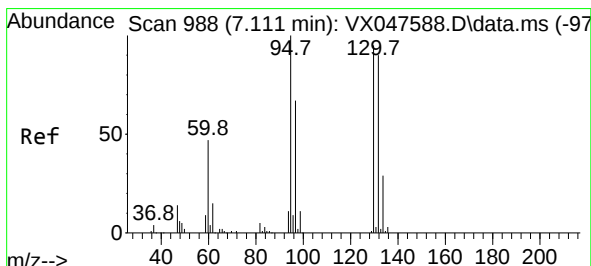
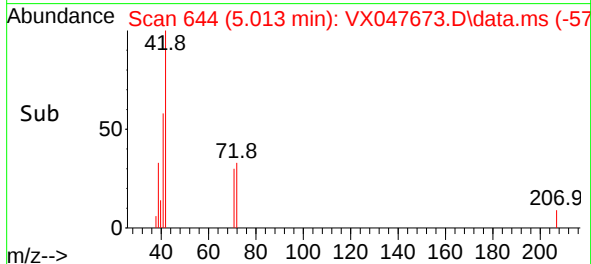
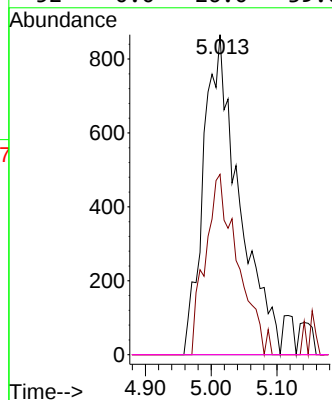
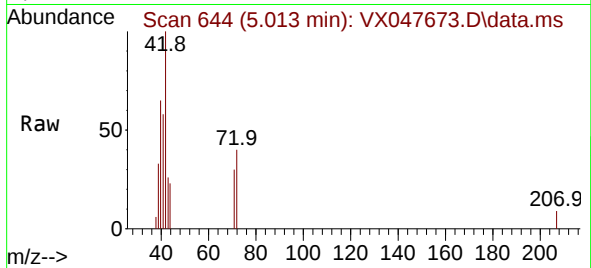




#41
Methacrylonitrile
Concen: 1.916 ug/l
RT: 5.013 min Scan# 641
Delta R.T. 0.110 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

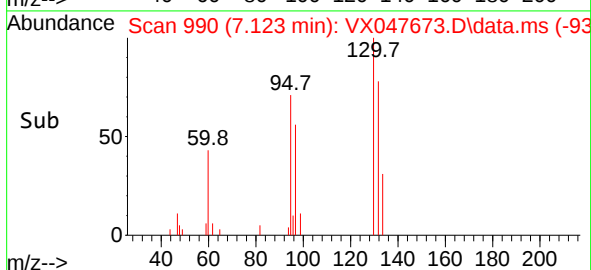
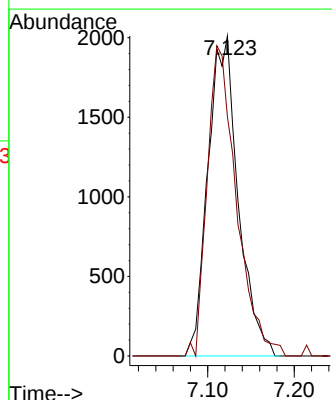
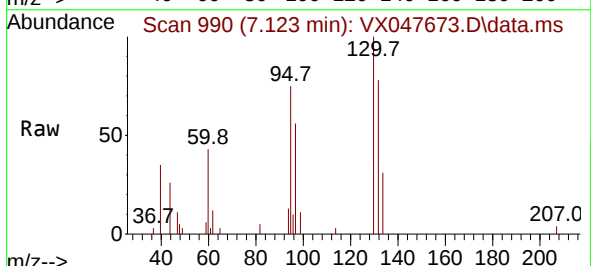
Instrument :
MSVOA_X
ClientSampleId :
TT180D-20250911

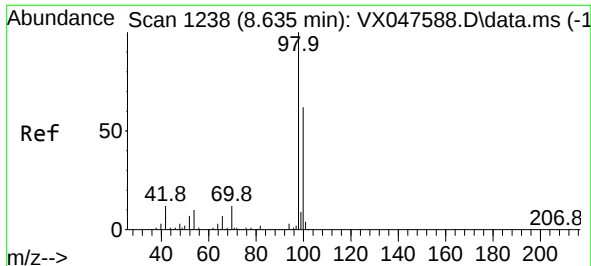
Tgt Ion:	41	Resp:	3260
Ion	Ratio	Lower	Upper
41	100		
39	51.1	43.3	64.9
67	0.0	58.6	87.8#
52	0.0	26.0	39.0#



#44
Trichloroethene
Concen: 2.157 ug/l
RT: 7.123 min Scan# 990
Delta R.T. 0.012 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

Tgt Ion:	130	Resp:	4873
Ion	Ratio	Lower	Upper
130	100		
95	74.8	0.0	210.8

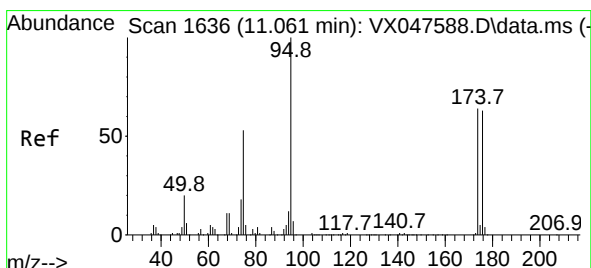
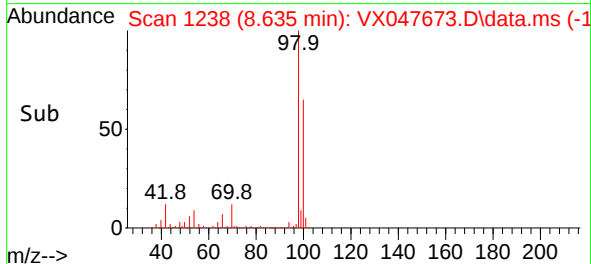
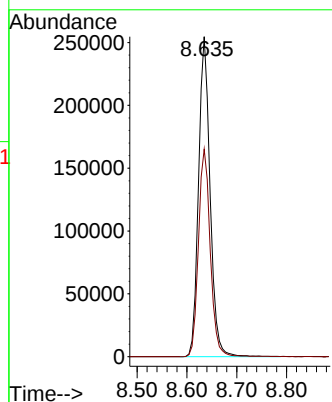
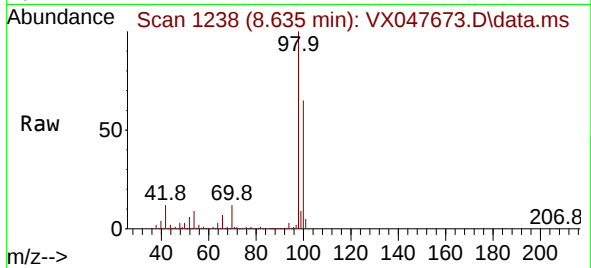




#50
Toluene-d8
Concen: 56.115 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

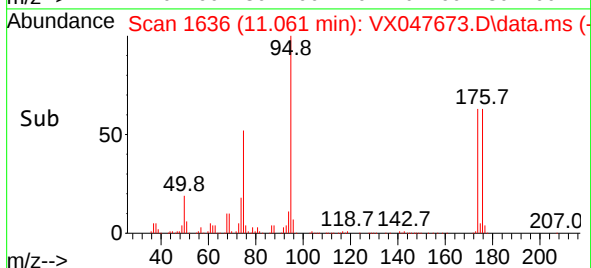
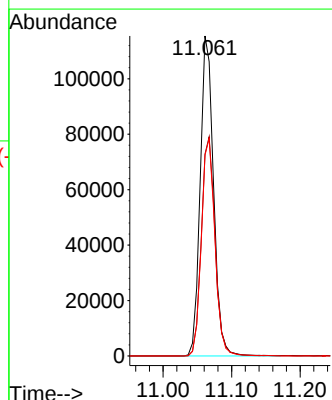
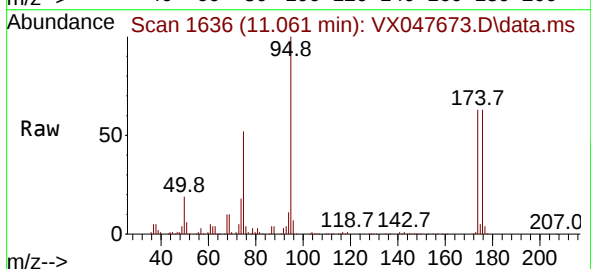
Instrument :
MSVOA_X
ClientSampleId :
TT180D-20250911

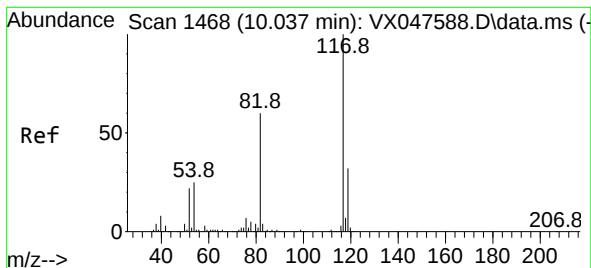
Tgt Ion: 98 Resp: 408915
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 56.643 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

Tgt Ion: 95 Resp: 156651
Ion Ratio Lower Upper
95 100
174 70.2 0.0 141.6
176 68.9 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: VX047673.D

Acq: 19 Sep 2025 14:13

Instrument :

MSVOA_X

ClientSampleId :

TT180D-20250911

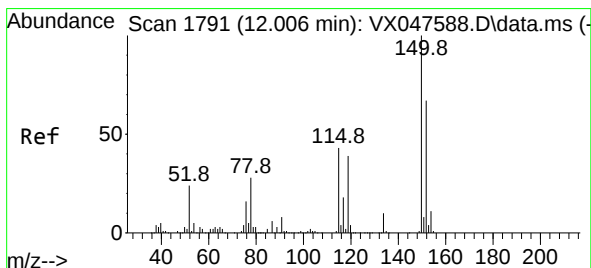
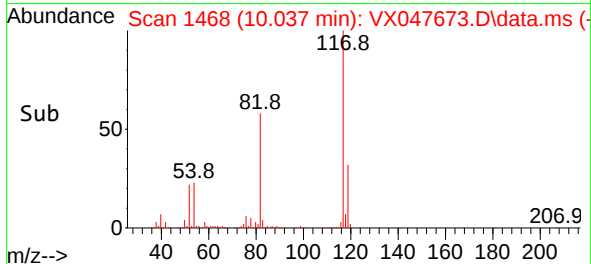
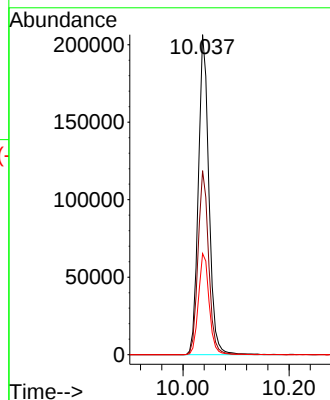
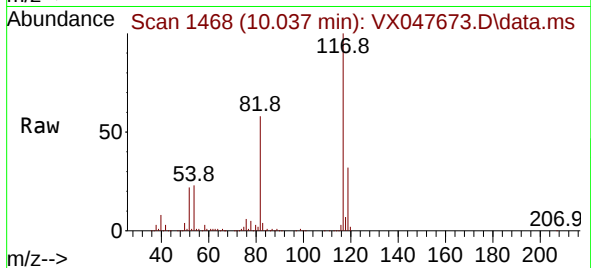
Tgt Ion:117 Resp: 285129

Ion Ratio Lower Upper

117 100

82 57.5 47.8 71.6

119 31.6 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: VX047673.D

Acq: 19 Sep 2025 14:13

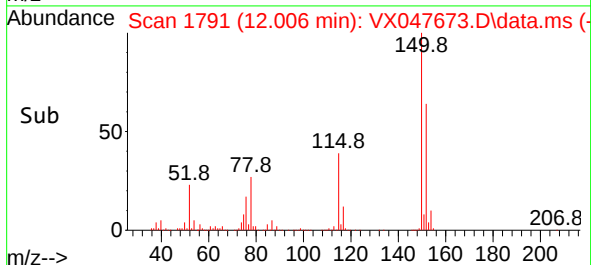
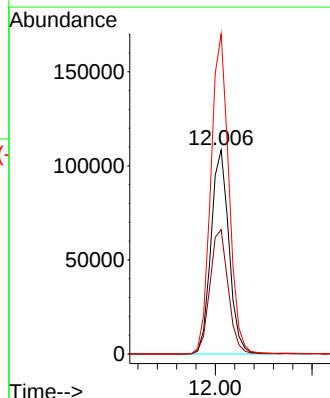
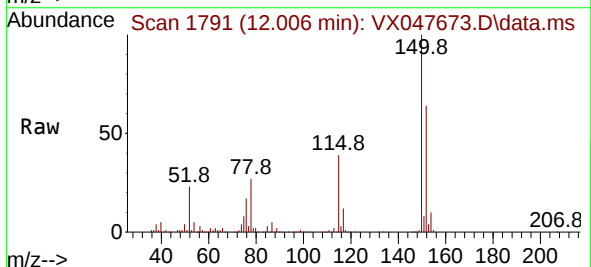
Tgt Ion:152 Resp: 139806

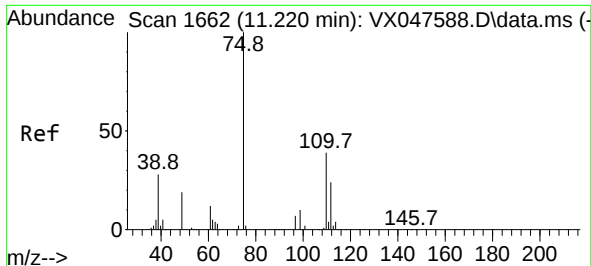
Ion Ratio Lower Upper

152 100

115 62.3 44.9 134.5

150 157.4 0.0 352.0

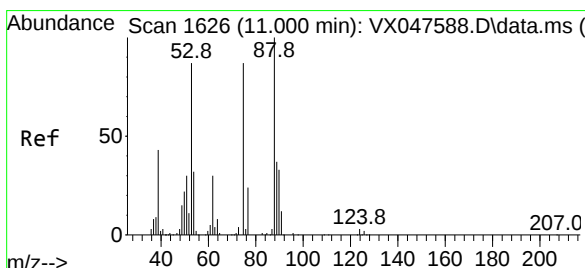
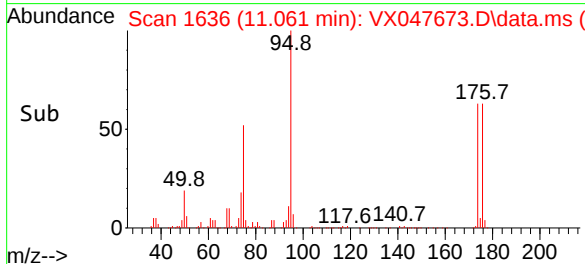
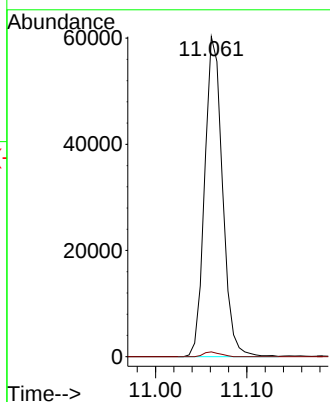
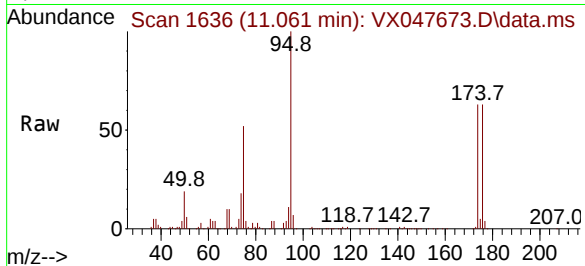




#76
1,2,3-Trichloropropane
Concen: 28.902 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

Instrument :
MSVOA_X
ClientSampleId :
TT180D-20250911

Tgt Ion: 75 Resp: 81811
Ion Ratio Lower Upper
75 100
77 1.4 18.8 56.4#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.704 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047673.D
Acq: 19 Sep 2025 14:13

Tgt Ion: 75 Resp: 81811
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#

