

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091825\
 Data File : VX047656.D
 Acq On : 18 Sep 2025 20:34
 Operator : JC/MD
 Sample : Q3095-31
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D-20250911

Quant Time: Sep 22 03:45:13 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)

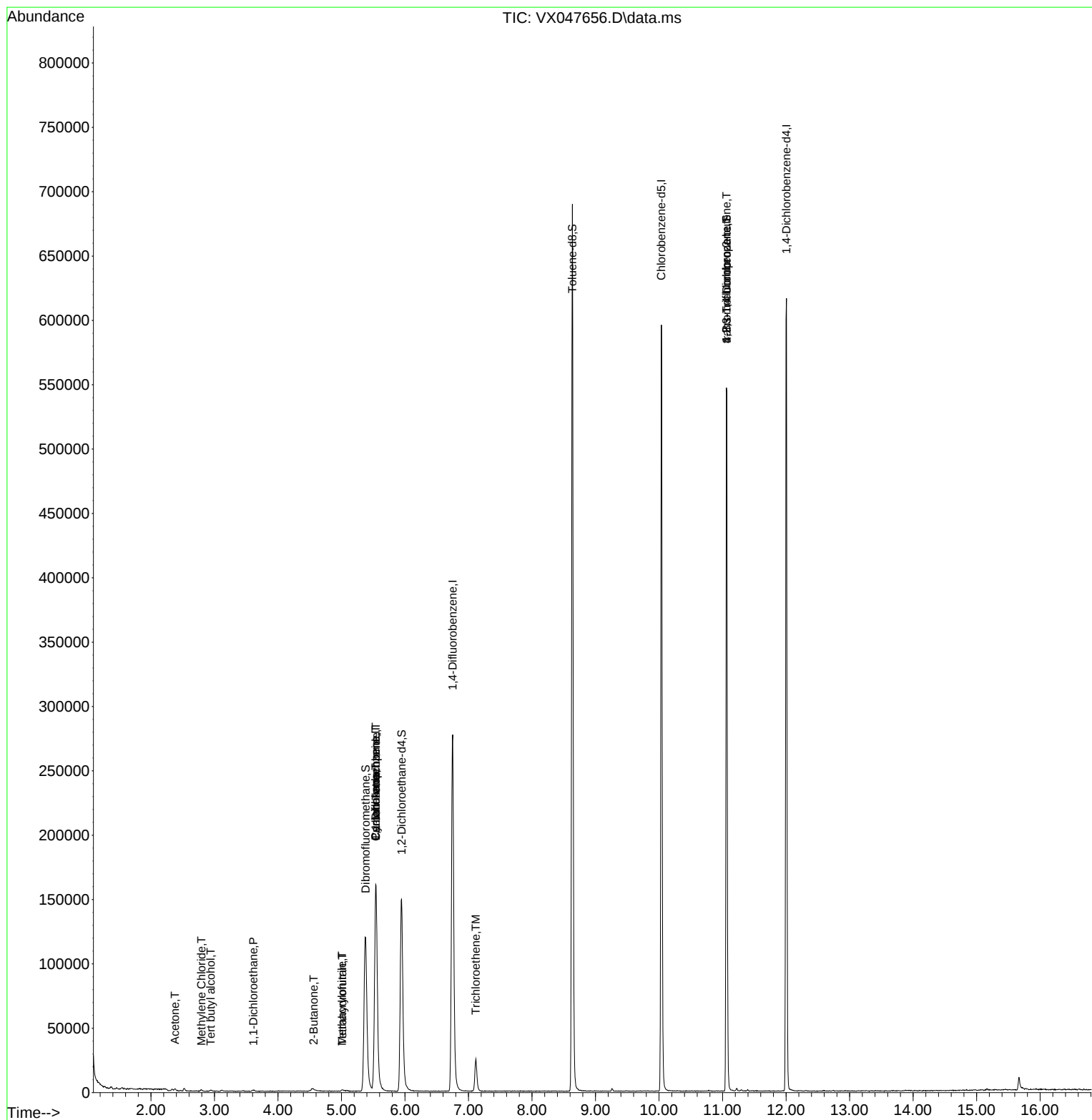
Internal Standards						
1) Pentafluorobenzene	5.538	168	161049	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	300961	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	275687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	133701	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	161876	63.147	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 126.300%#		
35) Dibromofluoromethane	5.379	113	119338	59.125	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 118.240%		
50) Toluene-d8	8.635	98	417521	59.782	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 119.560%#		
62) 4-Bromofluorobenzene	11.061	95	161244	60.833	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 121.660%		
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.941	59	64	0.224	ug/l #	72
16) Acetone	2.380	43	2374	2.130	ug/l #	72
20) Methylene Chloride	2.794	84	525	0.223	ug/l #	61
24) 1,1-Dichloroethane	3.611	63	1562	0.384	ug/l #	81
25) 2-Butanone	4.562	43	1292	0.929	ug/l #	50
29) Tetrahydrofuran	5.013	42	874	1.045	ug/l #	75
31) Cyclohexane	5.538	56	3672	1.084	ug/l #	1
36) 1,1-Dichloropropene	5.538	75	13880	4.706	ug/l #	50
38) Carbon Tetrachloride	5.544	117	17425	5.438	ug/l #	18
41) Methacrylonitrile	5.007	41	370	0.227	ug/l #	31
44) Trichloroethene	7.117	130	10643	4.914	ug/l	88
76) 1,2,3-Trichloropropane	11.061	75	82868	30.612	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	82868	78.065	ug/l #	8

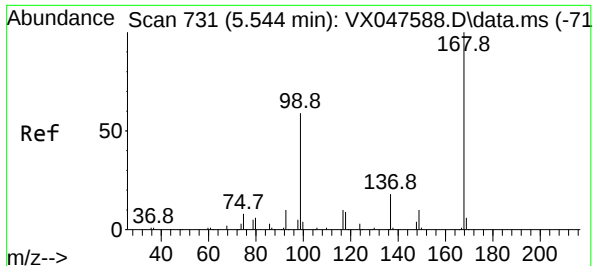
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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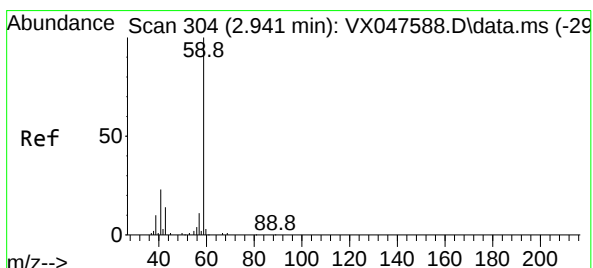
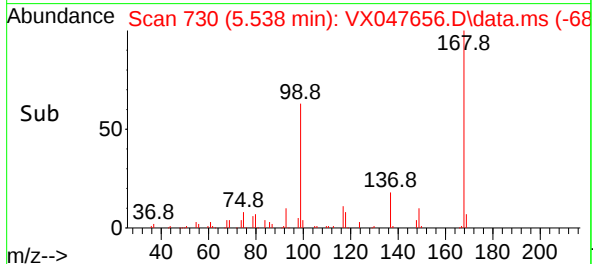
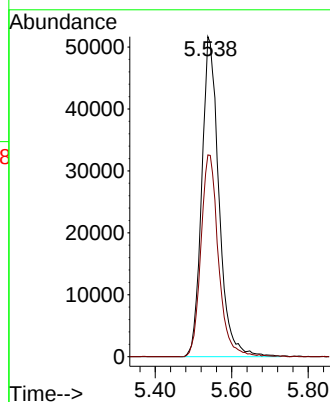
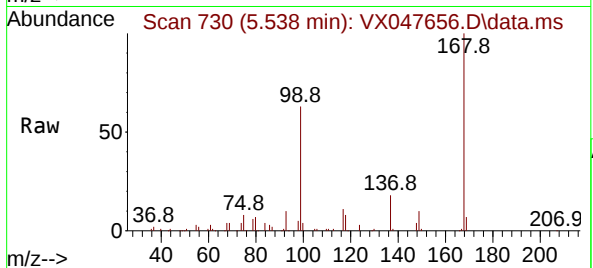




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 731
Delta R.T. -0.006 min
Lab File: VX047656.D
Acq: 18 Sep 2025 20:34

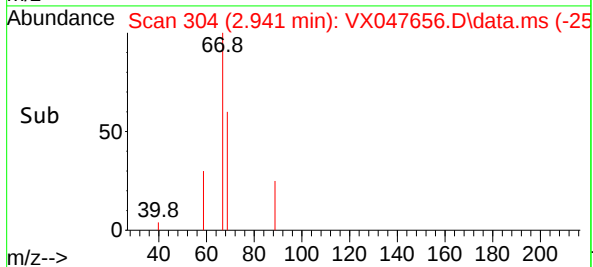
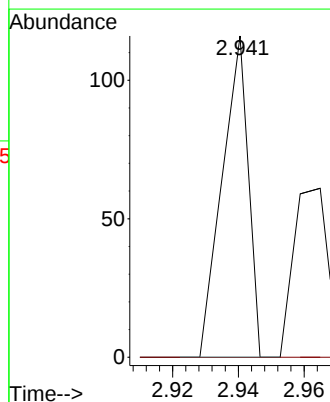
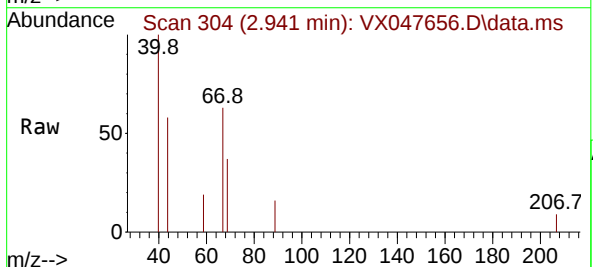
Instrument :
MSVOA_X
ClientSampleId :
TT180D-20250911

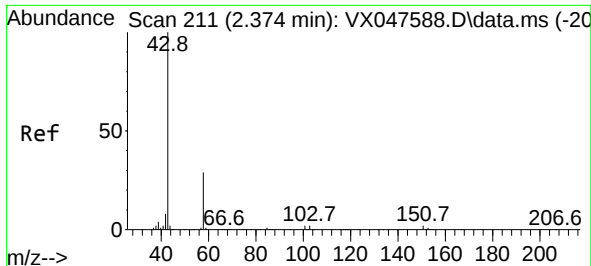
Tgt Ion:168 Resp: 161049
Ion Ratio Lower Upper
168 100
99 63.1 48.8 73.2



#11
Tert butyl alcohol
Concen: 0.224 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX047656.D
Acq: 18 Sep 2025 20:34

Tgt Ion: 59 Resp: 64
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

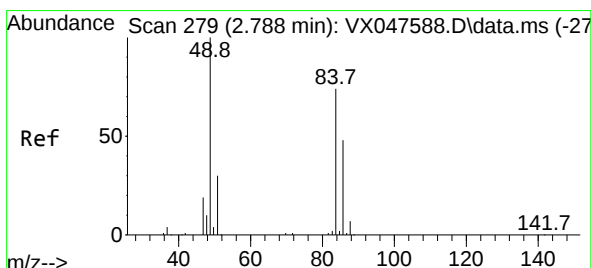
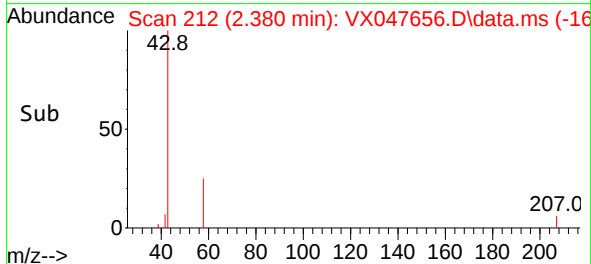
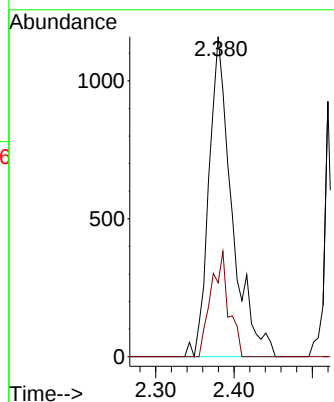
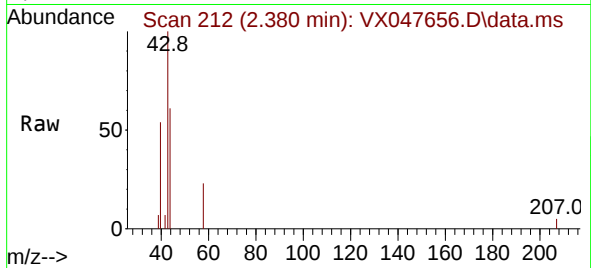




#16
Acetone
Concen: 2.130 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047656.D
Acq: 18 Sep 2025 20:34

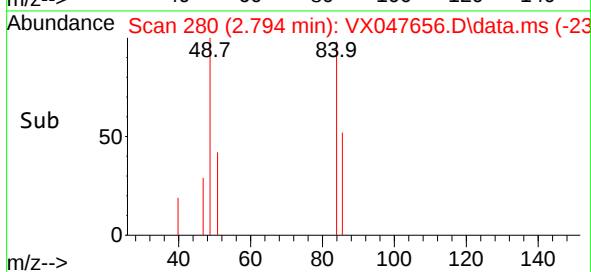
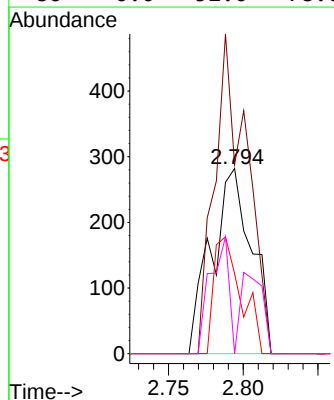
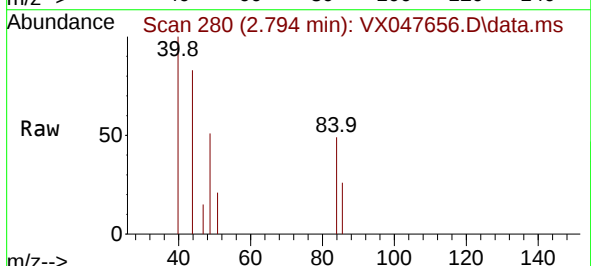
Instrument :
MSVOA_X
ClientSampleId :
TT180D-20250911

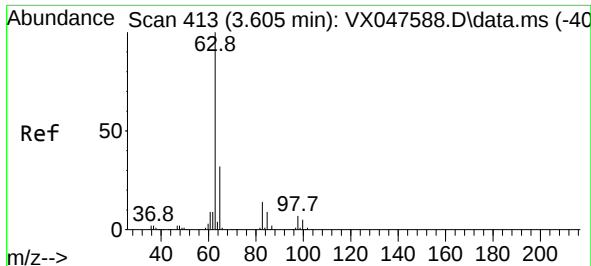
Tgt Ion: 43 Resp: 2374
Ion Ratio Lower Upper
43 100
58 14.4 23.4 35.0#



#20
Methylene Chloride
Concen: 0.223 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX047656.D
Acq: 18 Sep 2025 20:34

Tgt Ion: 84 Resp: 525
Ion Ratio Lower Upper
84 100
49 102.1 108.6 162.8#
51 43.3 32.6 48.8
86 0.0 52.0 78.0#

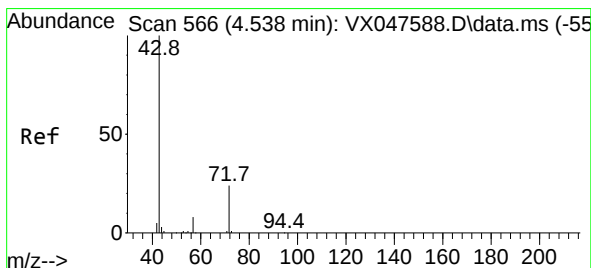
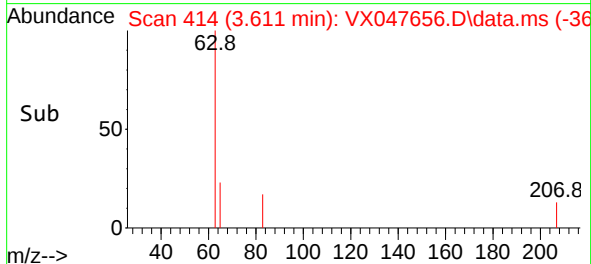
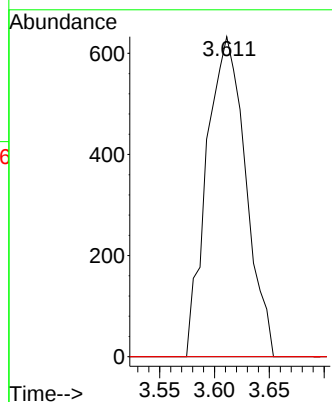
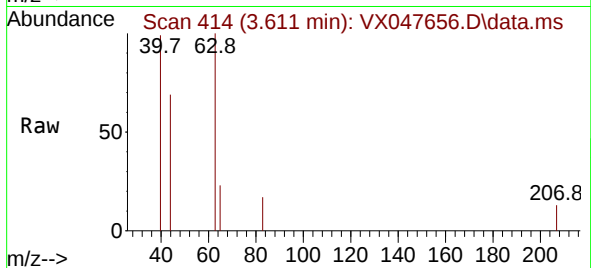




#24
 1,1-Dichloroethane
 Concen: 0.384 ug/l
 RT: 3.611 min Scan# 41
 Delta R.T. 0.006 min
 Lab File: VX047656.D
 Acq: 18 Sep 2025 20:34

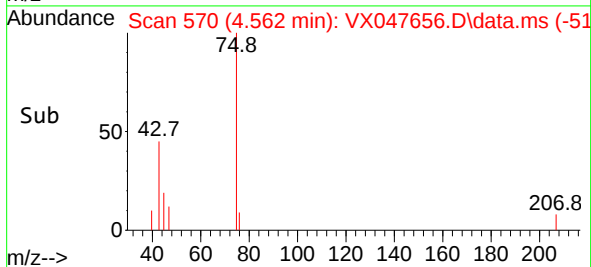
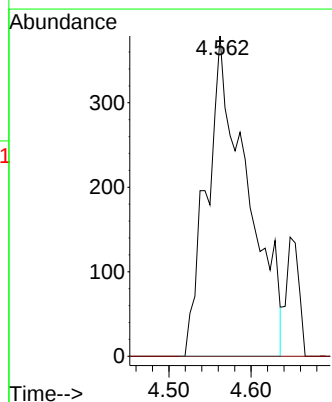
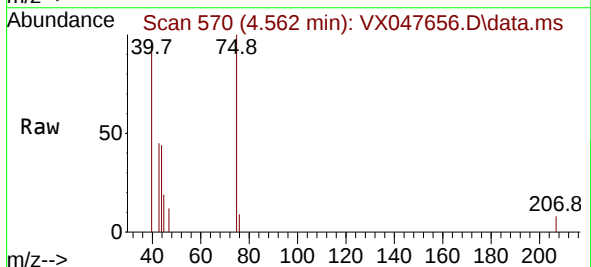
Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D-20250911

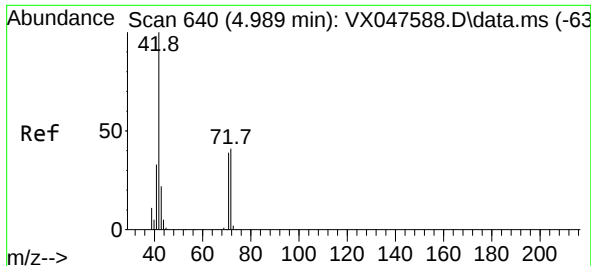
Tgt Ion: 63 Resp: 1562
 Ion Ratio Lower Upper
 63 100
 98 0.0 3.8 11.2#
 100 0.0 2.3 6.9#



#25
 2-Butanone
 Concen: 0.929 ug/l
 RT: 4.562 min Scan# 570
 Delta R.T. 0.024 min
 Lab File: VX047656.D
 Acq: 18 Sep 2025 20:34

Tgt Ion: 43 Resp: 1292
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.1 30.1#





#29

Tetrahydrofuran

Concen: 1.045 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.024 min

Lab File: VX047656.D

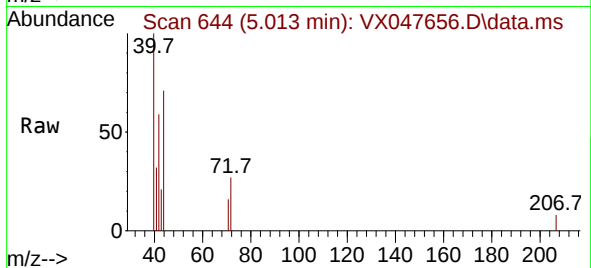
Acq: 18 Sep 2025 20:34

Instrument :

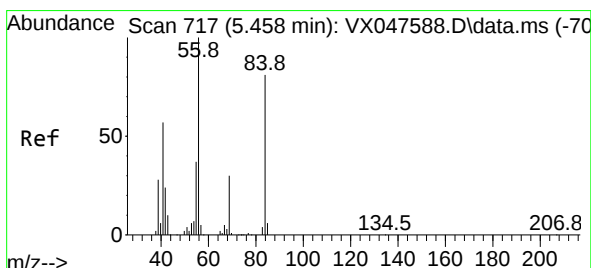
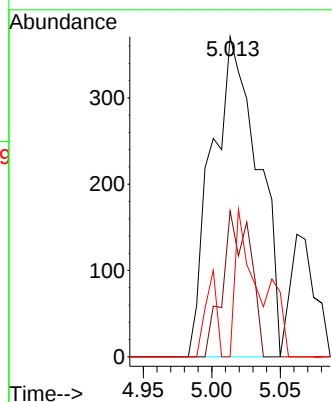
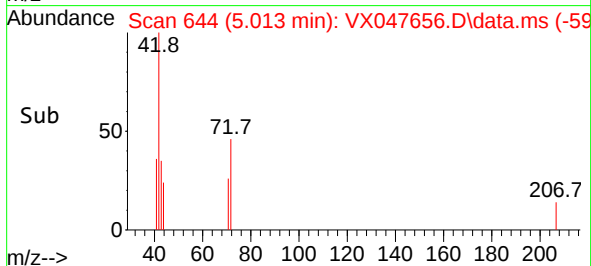
MSVOA_X

ClientSampleId :

TT180D-20250911



Tgt Ion:	42	Resp:	874
Ion	Ratio	Lower	Upper
42	100		
72	27.1	34.2	51.2#
71	24.5	31.9	47.9#



#31

Cyclohexane

Concen: 1.084 ug/l

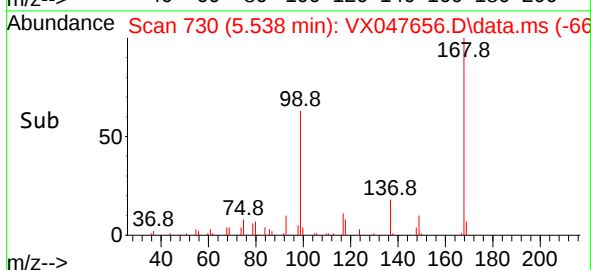
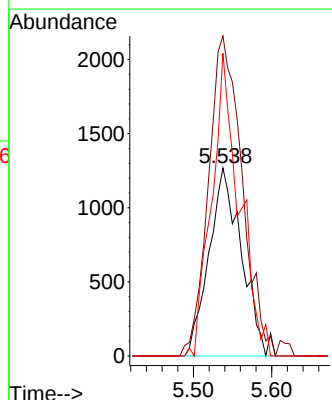
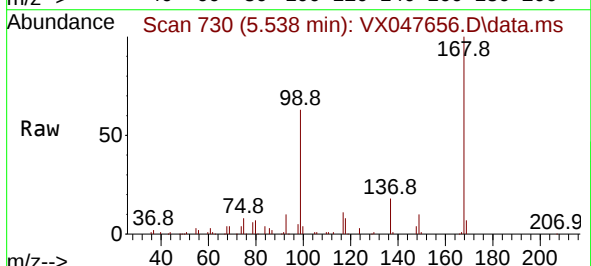
RT: 5.538 min Scan# 730

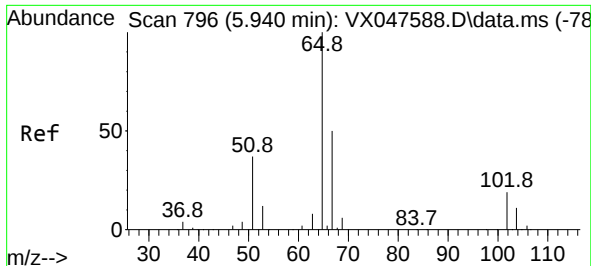
Delta R.T. 0.079 min

Lab File: VX047656.D

Acq: 18 Sep 2025 20:34

Tgt Ion:	56	Resp:	3672
Ion	Ratio	Lower	Upper
56	100		
69	170.3	23.8	35.8#
84	161.0	64.6	97.0#





#33

1,2-Dichloroethane-d4

Concen: 63.147 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047656.D

Acq: 18 Sep 2025 20:34

Instrument :

MSVOA_X

ClientSampleId :

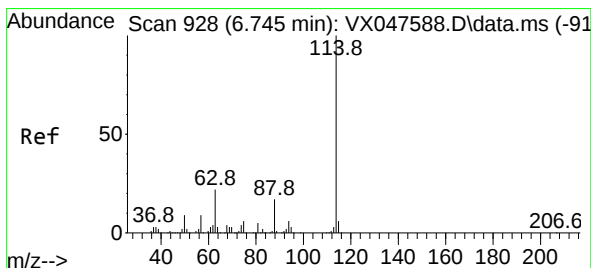
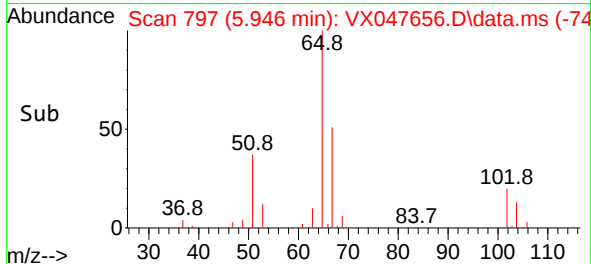
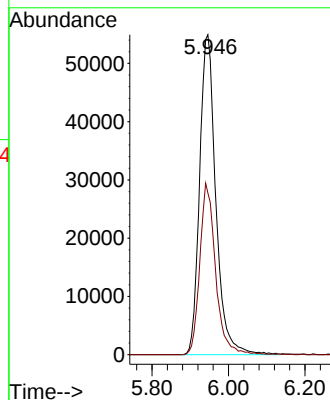
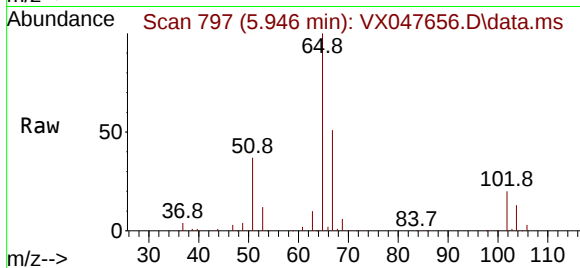
TT180D-20250911

Tgt Ion: 65 Resp: 161876

Ion Ratio Lower Upper

65 100

67 52.0 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: VX047656.D

Acq: 18 Sep 2025 20:34

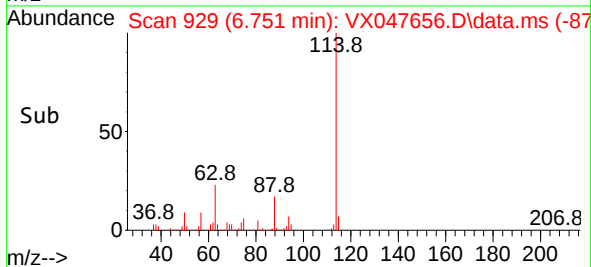
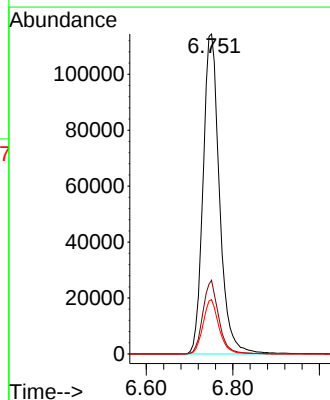
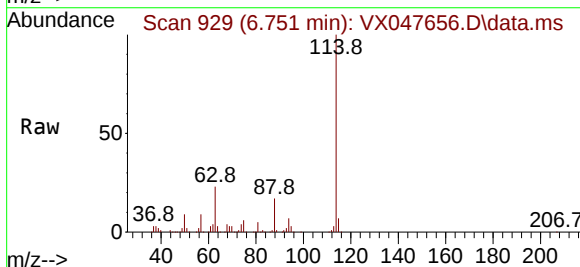
Tgt Ion: 114 Resp: 300961

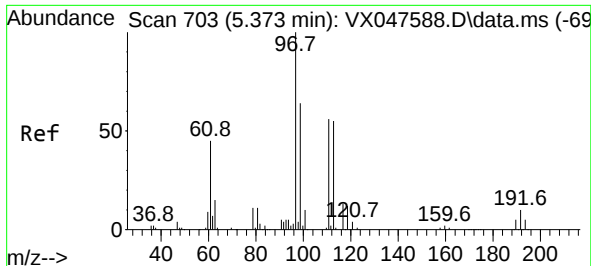
Ion Ratio Lower Upper

114 100

63 23.1 0.0 44.0

88 17.0 0.0 34.2

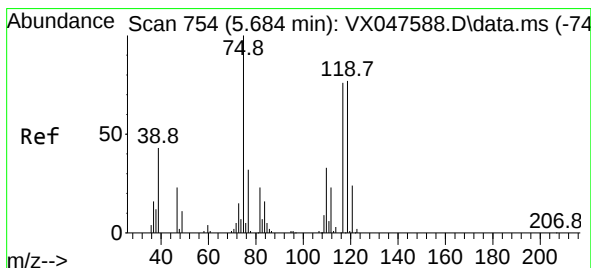
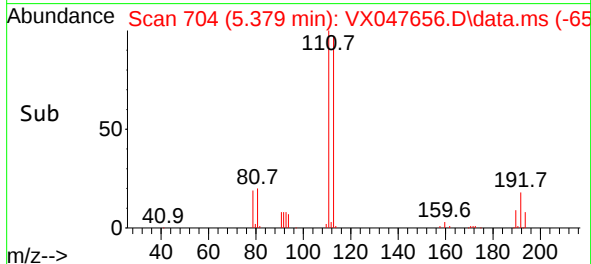
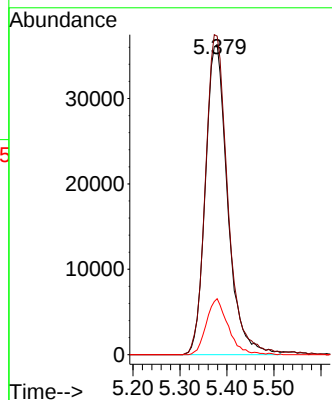
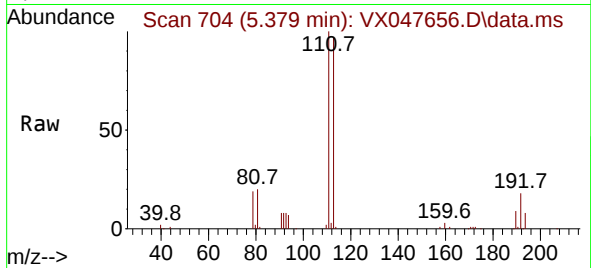




#35
Dibromofluoromethane
Concen: 59.125 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX047656.D
Acq: 18 Sep 2025 20:34

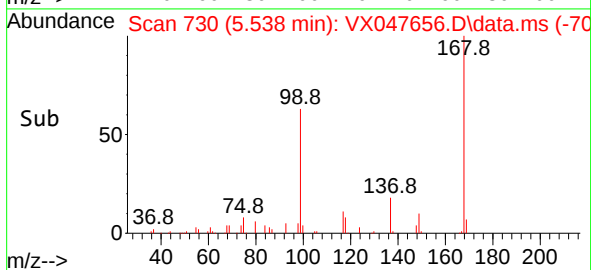
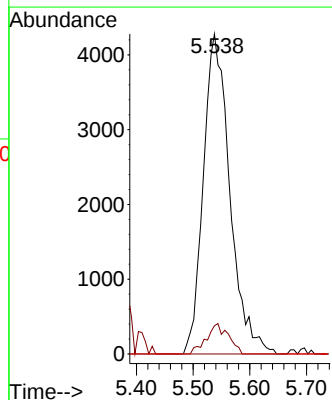
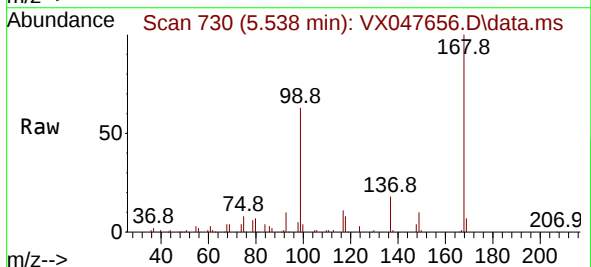
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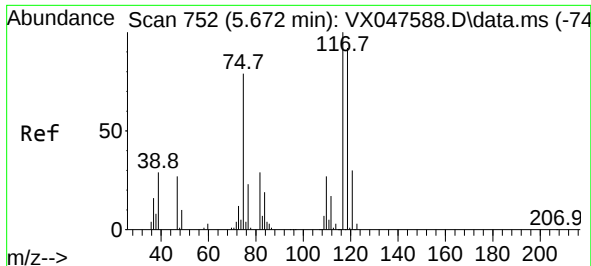
Tgt Ion:113 Resp: 119338
Ion Ratio Lower Upper
113 100
111 103.6 80.9 121.3
192 17.7 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.706 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX047656.D
Acq: 18 Sep 2025 20:34

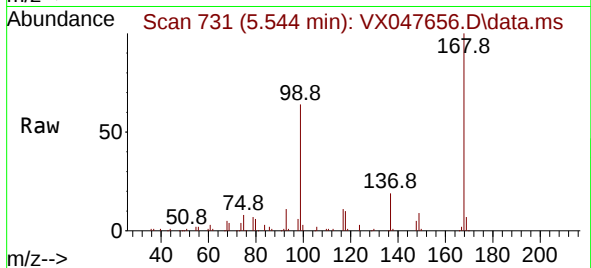
Tgt Ion: 75 Resp: 13880
Ion Ratio Lower Upper
75 100
110 7.9 16.7 50.1#
77 0.0 24.3 36.5#



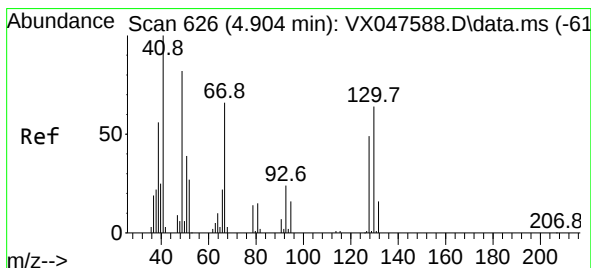
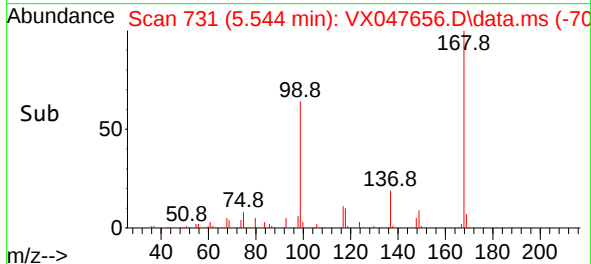
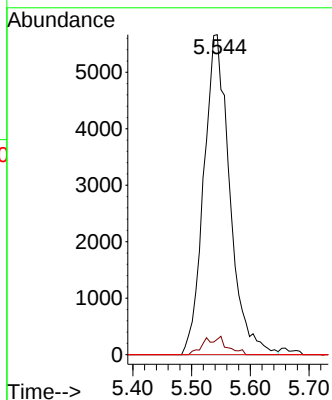


#38
Carbon Tetrachloride
Concen: 5.438 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047656.D
Acq: 18 Sep 2025 20:34

Instrument :
MSVOA_X
ClientSampleId :
TT180D-20250911

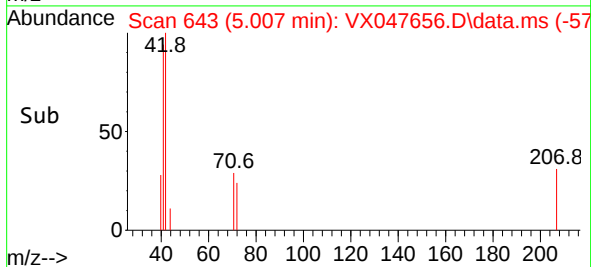
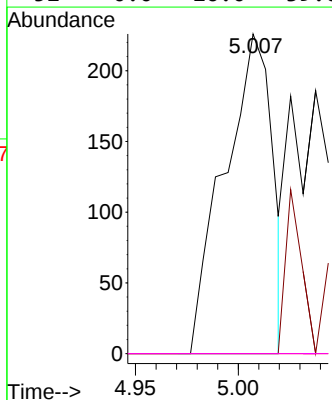
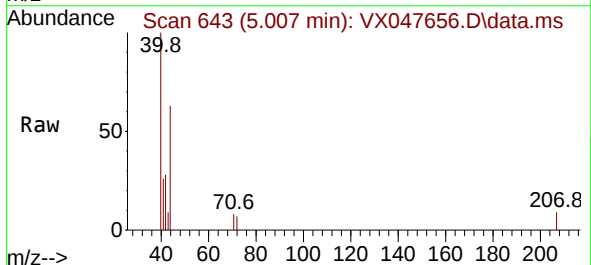


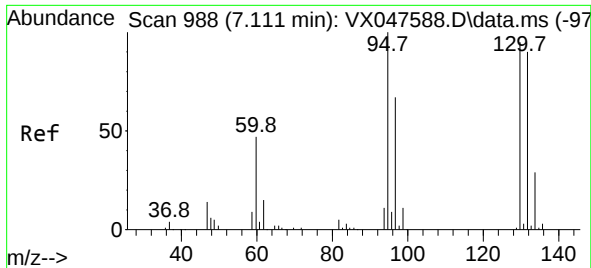
Tgt Ion: 117 Resp: 17425
Ion Ratio Lower Upper
117 100
119 4.8 73.4 110.2#
121 0.0 23.8 35.6#



#41
Methacrylonitrile
Concen: 0.227 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.104 min
Lab File: VX047656.D
Acq: 18 Sep 2025 20:34

Tgt Ion: 41 Resp: 370
Ion Ratio Lower Upper
41 100
39 17.3 43.3 64.9#
67 0.0 58.6 87.8#
52 0.0 26.0 39.0#





#44

Trichloroethene

Concen: 4.914 ug/l

RT: 7.117 min Scan# 9

Delta R.T. 0.006 min

Lab File: VX047656.D

Acq: 18 Sep 2025 20:34

Instrument :

MSVOA_X

ClientSampleId :

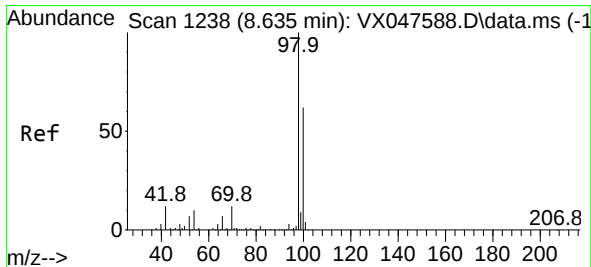
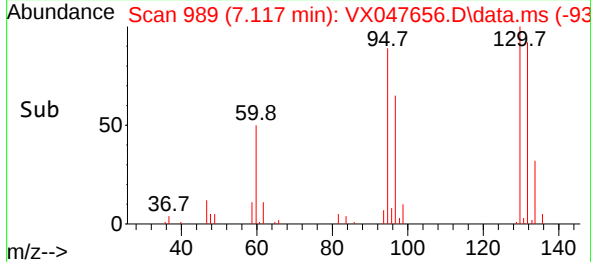
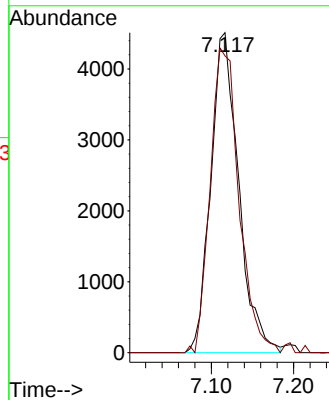
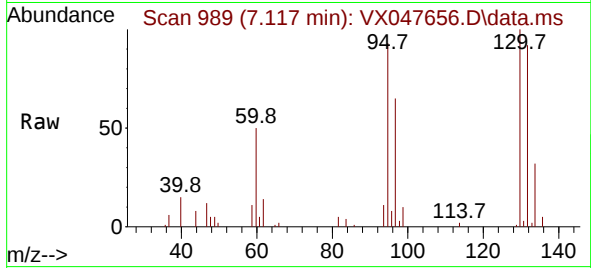
TT180D-20250911

Tgt Ion:130 Resp: 10643

Ion Ratio Lower Upper

130 100

95 92.8 0.0 210.8



#50

Toluene-d8

Concen: 59.782 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX047656.D

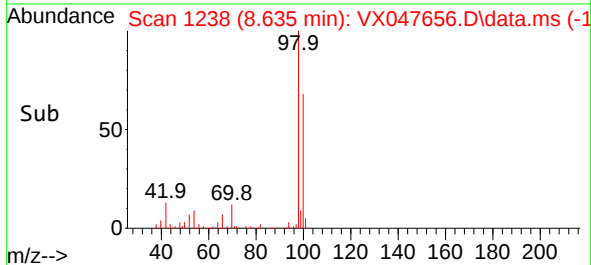
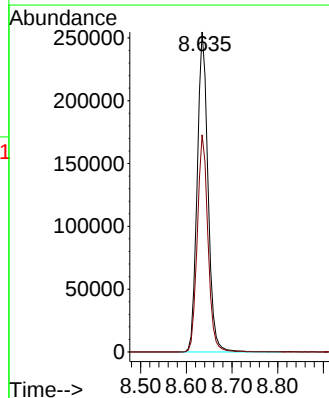
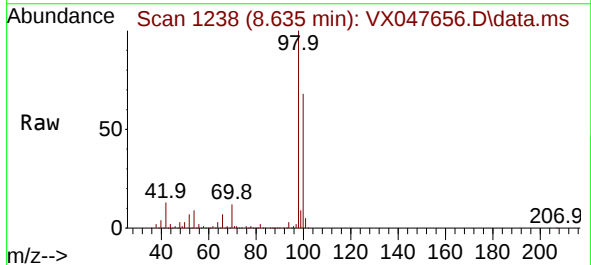
Acq: 18 Sep 2025 20:34

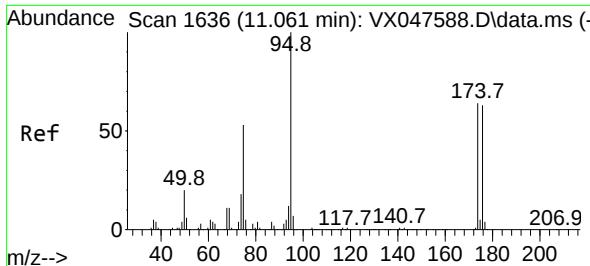
Tgt Ion: 98 Resp: 417521

Ion Ratio Lower Upper

98 100

100 67.0 53.0 79.4

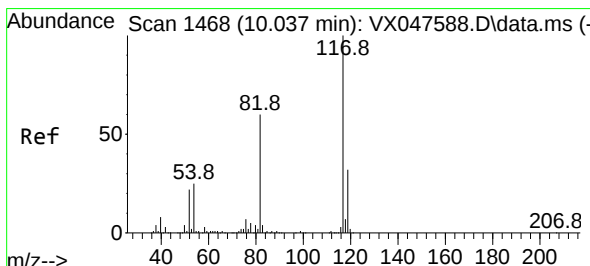
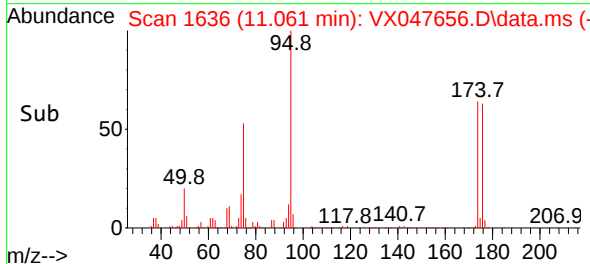
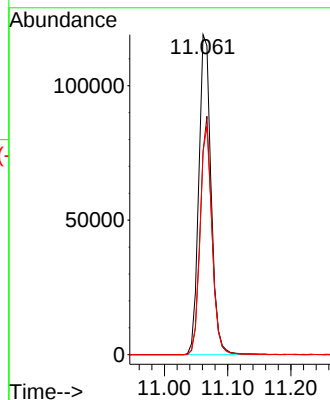
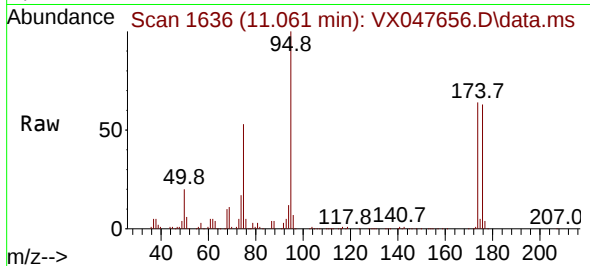




#62
4-Bromofluorobenzene
Concen: 60.833 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047656.D
Acq: 18 Sep 2025 20:34

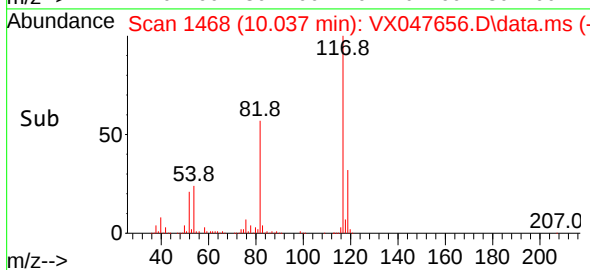
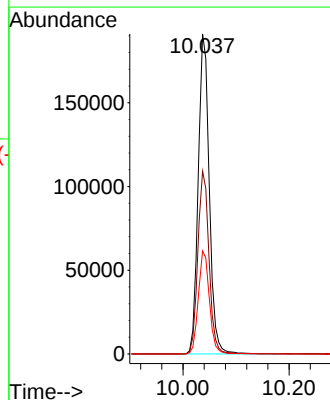
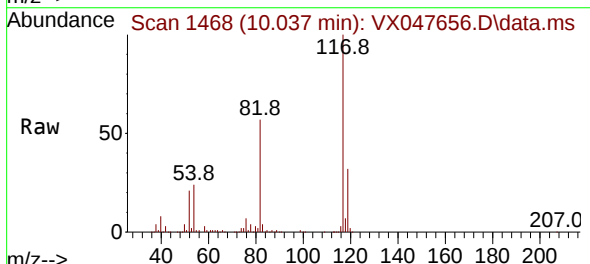
Instrument :
MSVOA_X
ClientSampleId :
TT180D-20250911

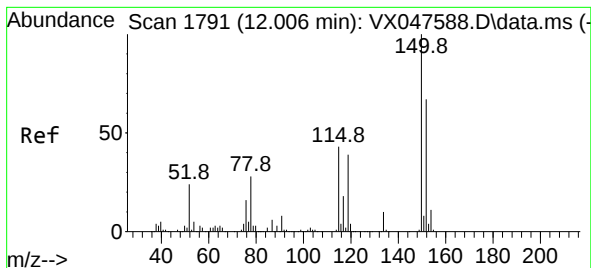
Tgt Ion: 95 Resp: 161244
Ion Ratio Lower Upper
95 100
174 70.7 0.0 141.6
176 69.3 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047656.D
Acq: 18 Sep 2025 20:34

Tgt Ion: 117 Resp: 275687
Ion Ratio Lower Upper
117 100
82 57.1 47.8 71.6
119 32.2 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: VX047656.D

Acq: 18 Sep 2025 20:34

Instrument :

MSVOA_X

ClientSampleId :

TT180D-20250911

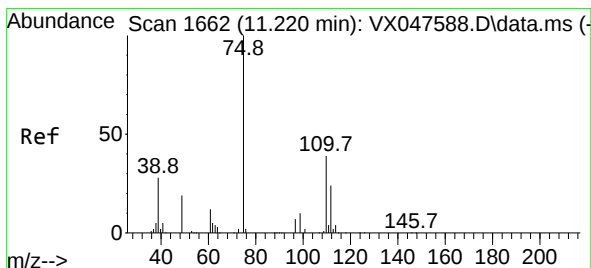
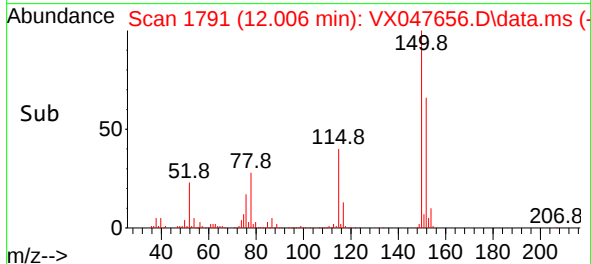
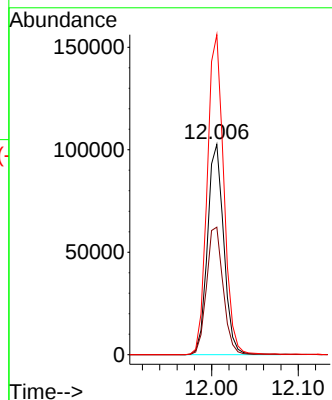
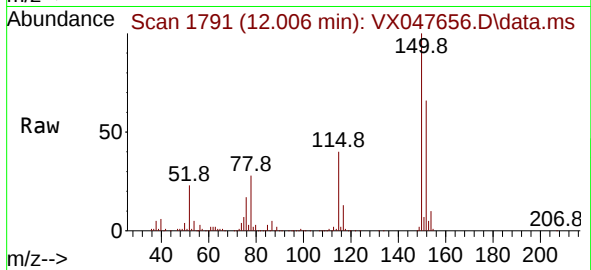
Tgt Ion:152 Resp: 133701

Ion Ratio Lower Upper

152 100

115 62.3 44.9 134.5

150 155.4 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 30.612 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX047656.D

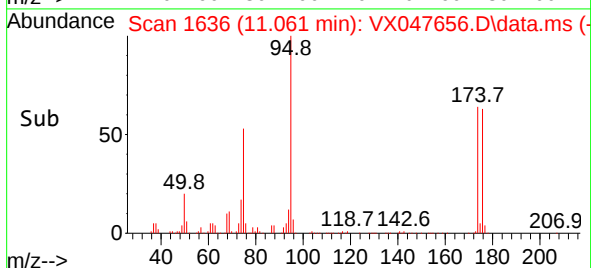
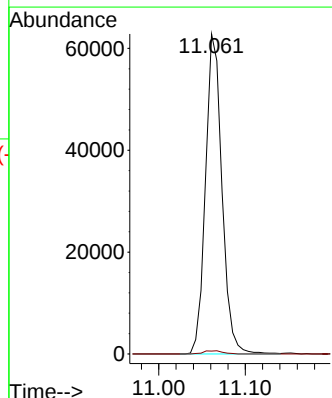
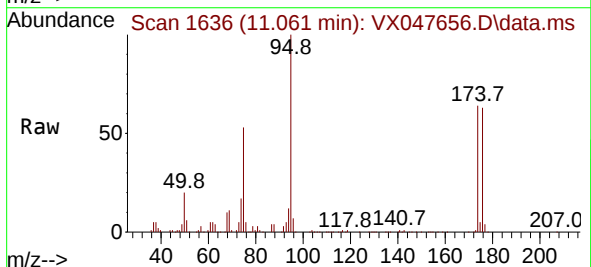
Acq: 18 Sep 2025 20:34

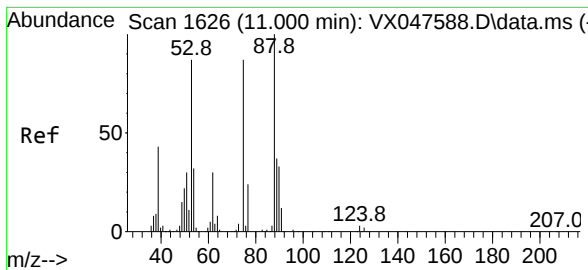
Tgt Ion: 75 Resp: 82868

Ion Ratio Lower Upper

75 100

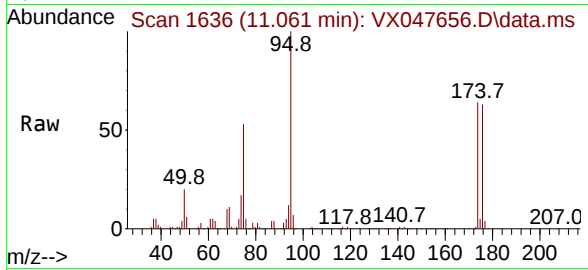
77 1.2 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 78.065 ug/l
 RT: 11.061 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX047656.D
 Acq: 18 Sep 2025 20:34

Instrument :
 MSVOA_X
 ClientSampleId :
 TT180D-20250911



Tgt Ion: 75 Resp: 82868
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

