

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091925\
 Data File : VX047678.D
 Acq On : 19 Sep 2025 15:57
 Operator : JC/MD
 Sample : Q3097-06
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 20 00:34:04 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)

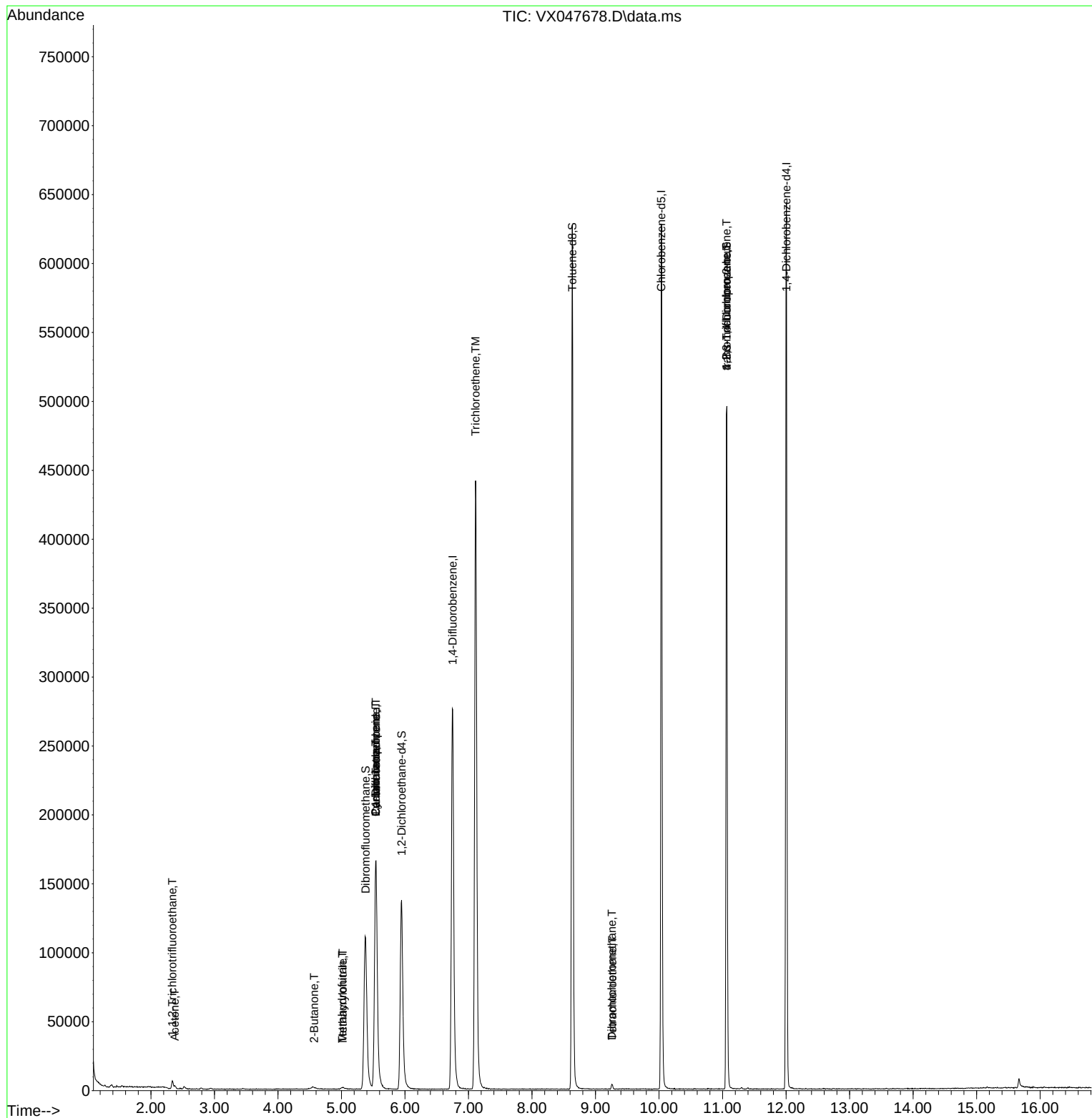
Internal Standards						
1) Pentafluorobenzene	5.544	168	166867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	308997	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	279494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	134673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	147555	55.553	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 111.100%	
35) Dibromofluoromethane	5.379	113	109111	52.652	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.300%	
50) Toluene-d8	8.635	98	379125	52.872	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 105.740%	
62) 4-Bromofluorobenzene	11.061	95	145340	53.407	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 106.820%	
Target Compounds						
					Qvalue	
9) 1,1,2-Trichlorotrifluo...	2.337	101	2520	1.306	ug/l	97
16) Acetone	2.373	43	2476	2.144	ug/l	90
25) 2-Butanone	4.568	43	1648	1.144	ug/l #	49
29) Tetrahydrofuran	5.013	42	725	0.837	ug/l #	83
31) Cyclohexane	5.538	56	3706	1.056	ug/l #	28
36) 1,1-Dichloropropene	5.538	75	14446	4.771	ug/l #	53
38) Carbon Tetrachloride	5.544	117	17573	5.341	ug/l #	19
41) Methacrylonitrile	5.019	41	801	0.479	ug/l #	38
44) Trichloroethene	7.110	130	187117	84.153	ug/l	99
60) Dibromochloromethane	9.256	129	702	0.279	ug/l #	11
64) Tetrachloroethene	9.262	164	779	0.428	ug/l	93
76) 1,2,3-Trichloropropane	11.061	75	75719	27.769	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	75719	70.816	ug/l #	8

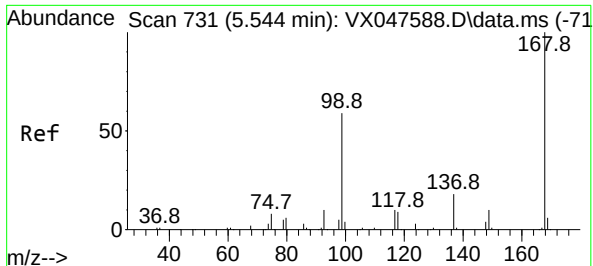
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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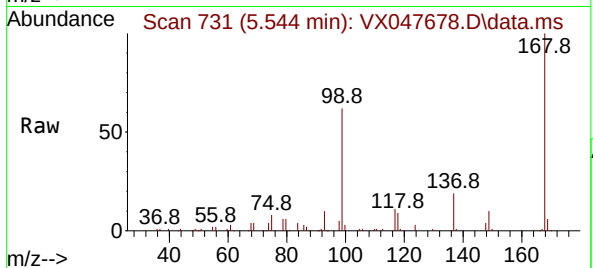
Quant Time: Sep 20 00:34:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



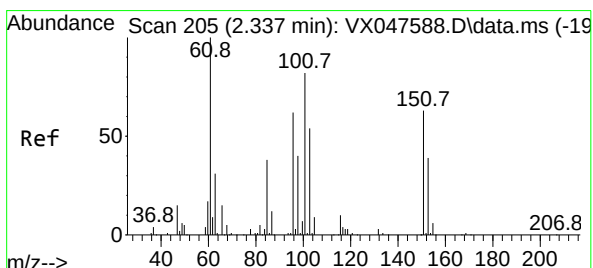
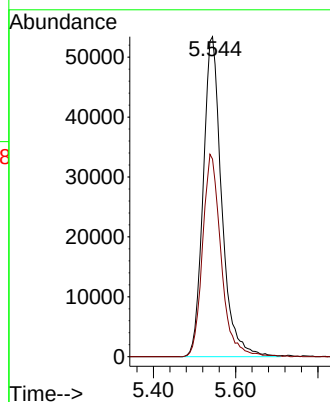
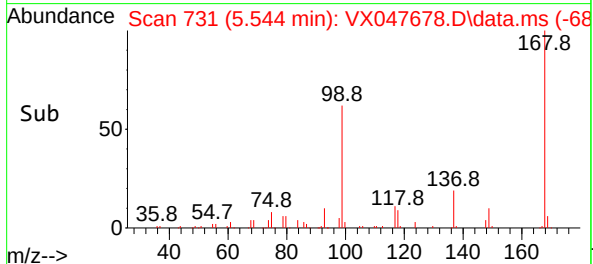


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047678.D
Acq: 19 Sep 2025 15:57

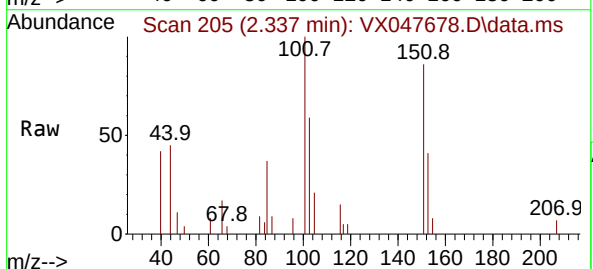
Instrument :
MSVOA_X
ClientSampleId :



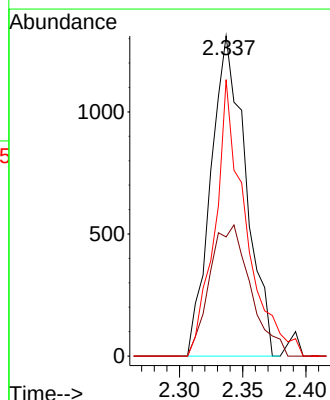
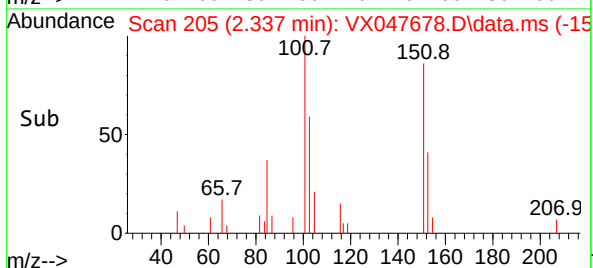
Tgt Ion:168 Resp: 166867
Ion Ratio Lower Upper
168 100
99 61.8 48.8 73.2

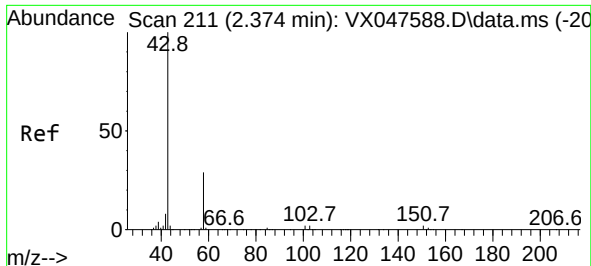


#9
1,1,2-Trichlorotrifluoroethane
Concen: 1.306 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047678.D
Acq: 19 Sep 2025 15:57



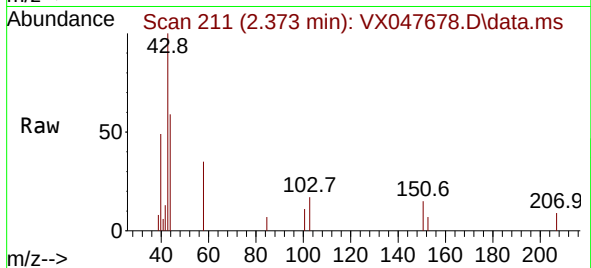
Tgt Ion:101 Resp: 2520
Ion Ratio Lower Upper
101 100
85 47.6 35.5 53.3
151 76.0 59.4 89.0



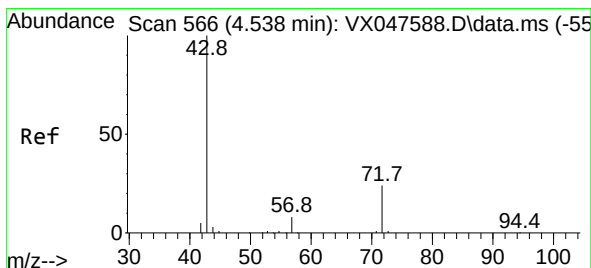
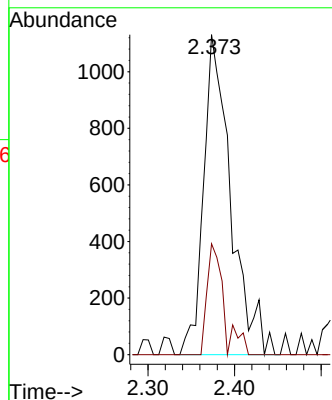
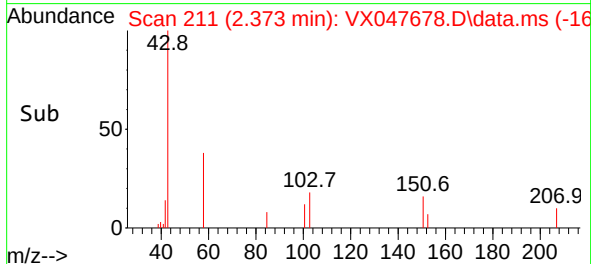


#16
Acetone
Concen: 2.144 ug/l
RT: 2.373 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047678.D
Acq: 19 Sep 2025 15:57

Instrument :
MSVOA_X
ClientSampleId :

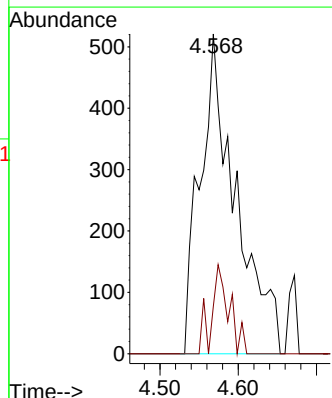
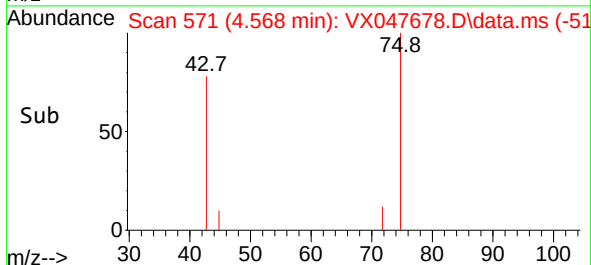
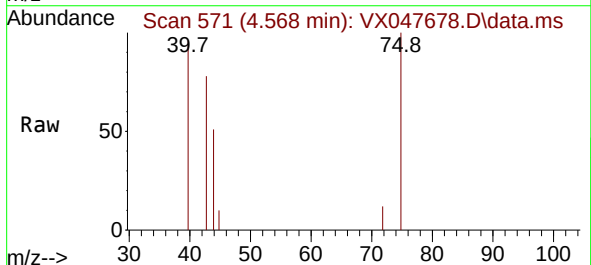


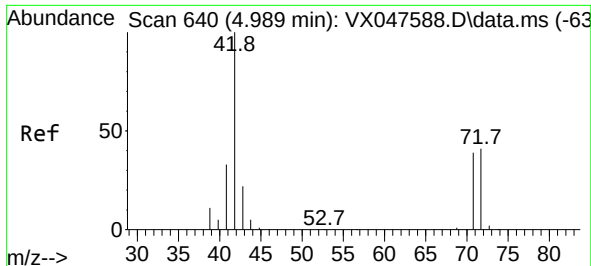
Tgt Ion: 43 Resp: 2476
Ion Ratio Lower Upper
43 100
58 34.7 23.4 35.0



#25
2-Butanone
Concen: 1.144 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.030 min
Lab File: VX047678.D
Acq: 19 Sep 2025 15:57

Tgt Ion: 43 Resp: 1648
Ion Ratio Lower Upper
43 100
72 50.7 20.1 30.1#





#29

Tetrahydrofuran

Concen: 0.837 ug/l

RT: 5.013 min Scan# 640

Delta R.T. 0.024 min

Lab File: VX047678.D

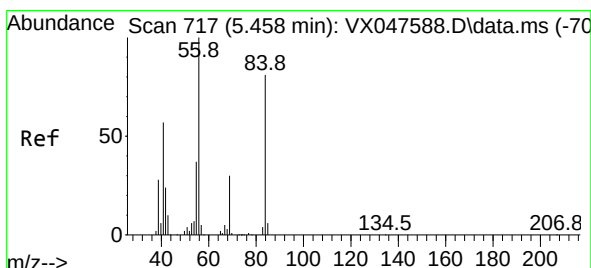
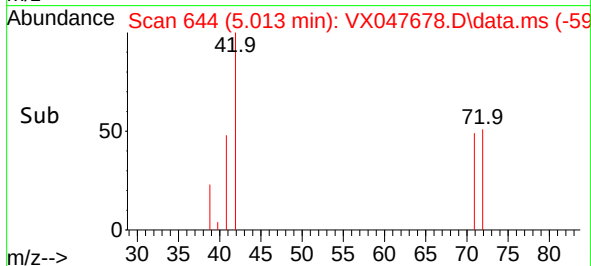
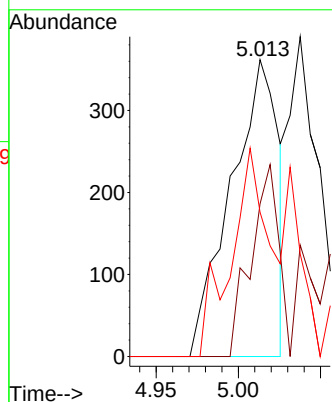
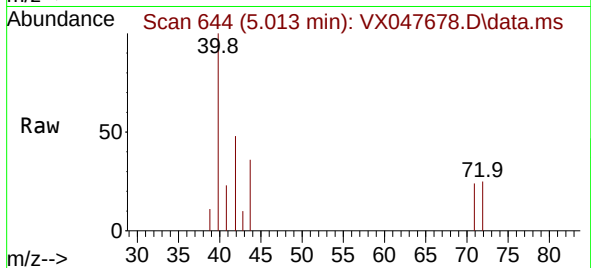
Acq: 19 Sep 2025 15:57

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	42	Resp:	725
Ion	Ratio	Lower	Upper
42	100		
72	37.8	34.2	51.2
71	56.8	31.9	47.9#



#31

Cyclohexane

Concen: 1.056 ug/l

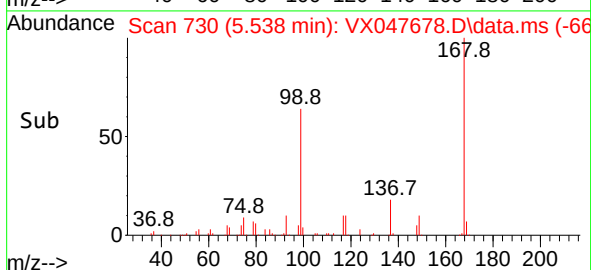
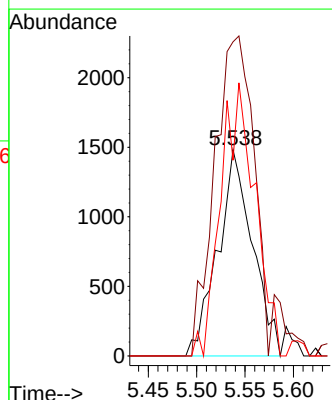
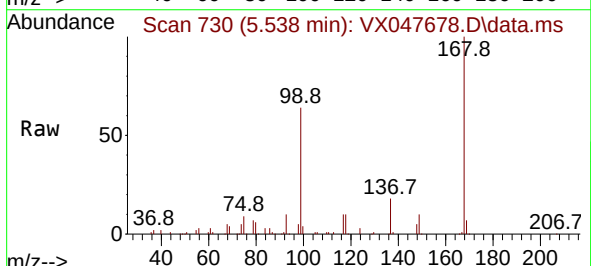
RT: 5.538 min Scan# 730

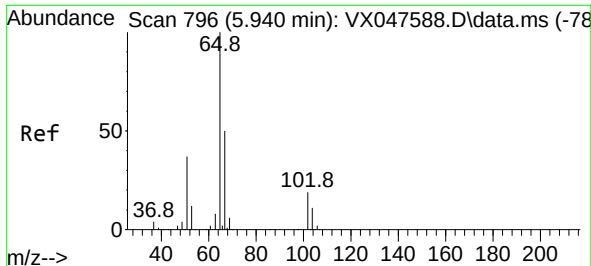
Delta R.T. 0.079 min

Lab File: VX047678.D

Acq: 19 Sep 2025 15:57

Tgt Ion:	56	Resp:	3706
Ion	Ratio	Lower	Upper
56	100		
69	152.2	23.8	35.8#
84	94.7	64.6	97.0





#33

1,2-Dichloroethane-d4

Concen: 55.553 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX047678.D

Acq: 19 Sep 2025 15:57

Instrument :

MSVOA_X

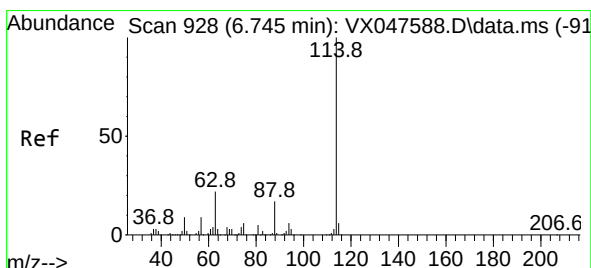
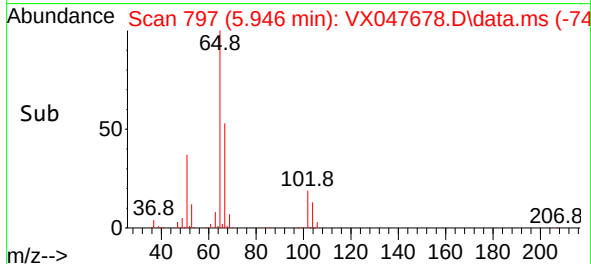
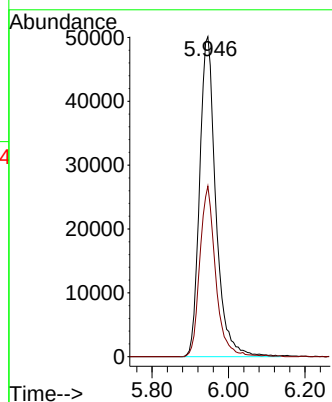
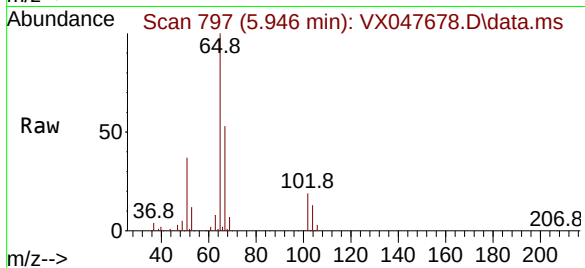
ClientSampleId :

Tgt Ion: 65 Resp: 147555

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# 929

Delta R.T. 0.006 min

Lab File: VX047678.D

Acq: 19 Sep 2025 15:57

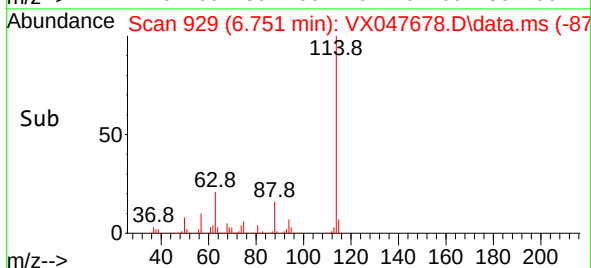
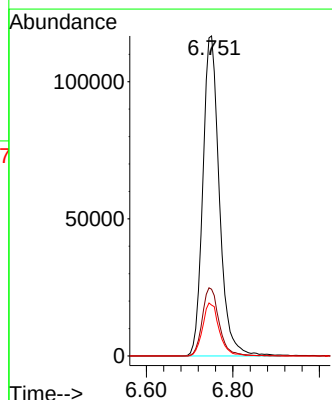
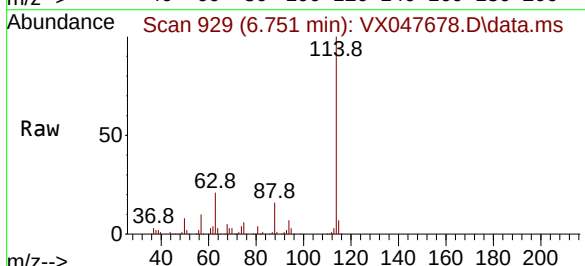
Tgt Ion: 114 Resp: 308997

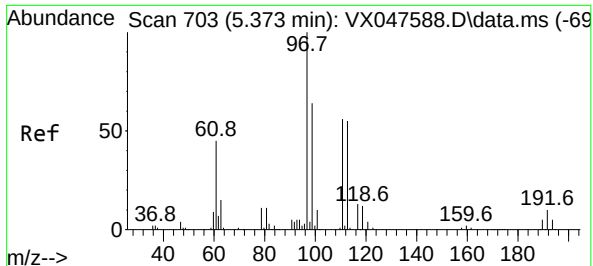
Ion Ratio Lower Upper

114 100

63 20.9 0.0 44.0

88 15.9 0.0 34.2





#35

Dibromofluoromethane

Concen: 52.652 ug/l

RT: 5.379 min Scan# 703

Delta R.T. 0.006 min

Lab File: VX047678.D

Acq: 19 Sep 2025 15:57

Instrument :

MSVOA_X

ClientSampleId :

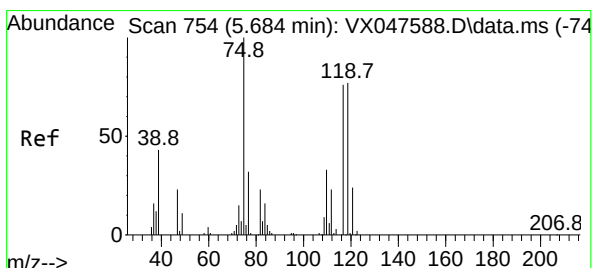
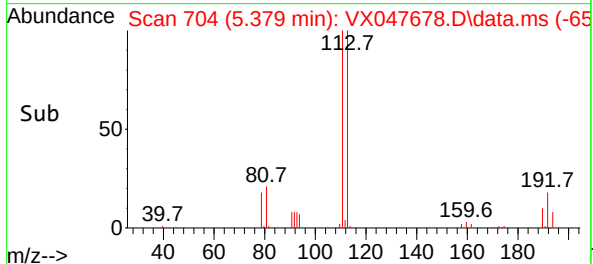
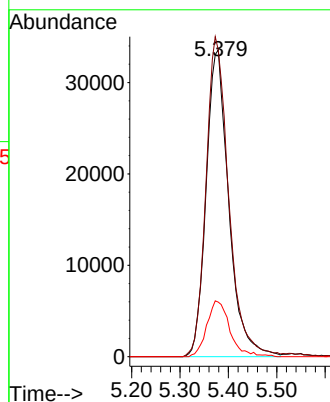
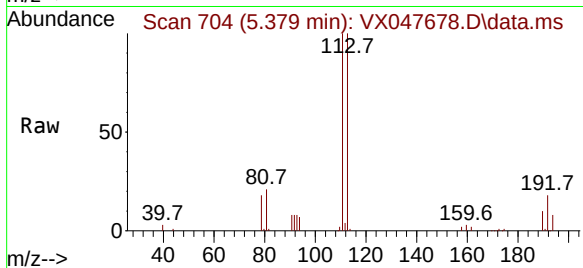
Tgt Ion:113 Resp: 109111

Ion Ratio Lower Upper

113 100

111 104.8 80.9 121.3

192 18.6 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.771 ug/l

RT: 5.538 min Scan# 730

Delta R.T. -0.146 min

Lab File: VX047678.D

Acq: 19 Sep 2025 15:57

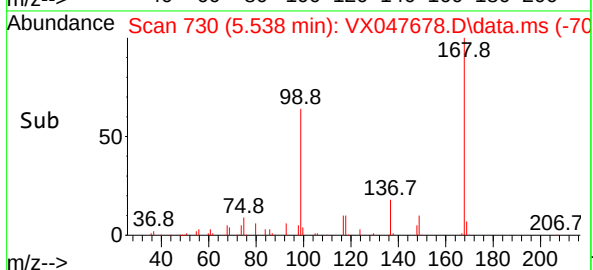
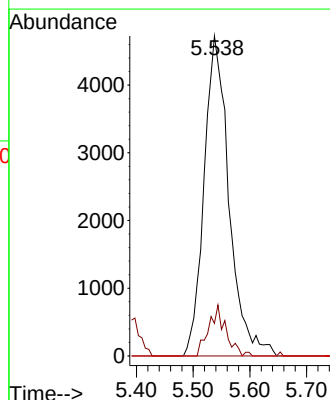
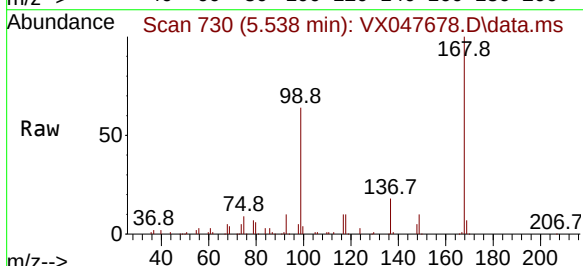
Tgt Ion: 75 Resp: 14446

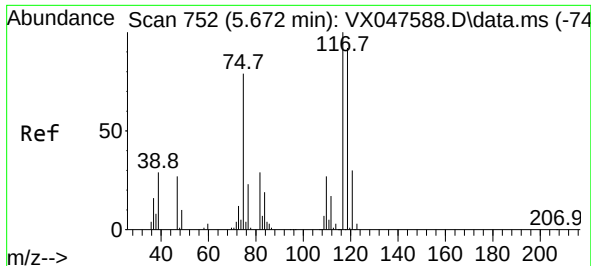
Ion Ratio Lower Upper

75 100

110 10.9 16.7 50.1#

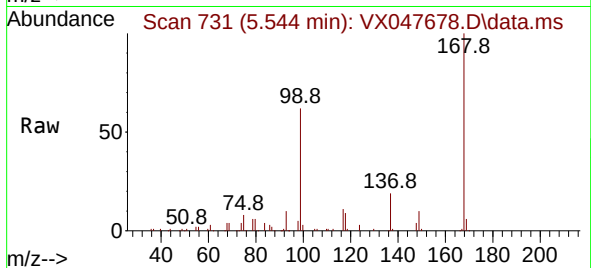
77 0.0 24.3 36.5#



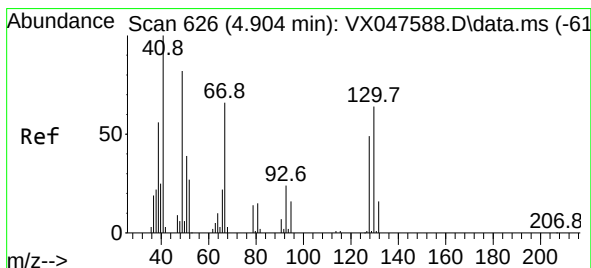
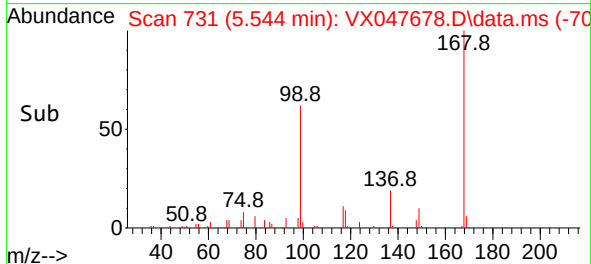
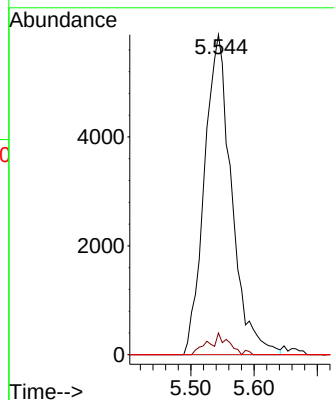


#38
Carbon Tetrachloride
Concen: 5.341 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX047678.D
Acq: 19 Sep 2025 15:57

Instrument :
MSVOA_X
ClientSampleId :

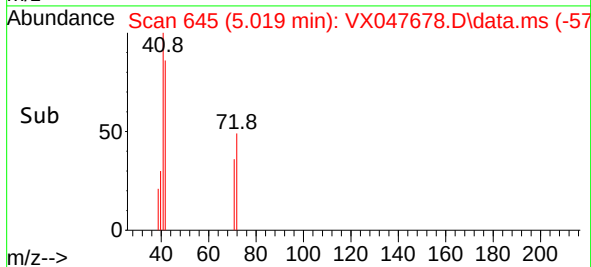
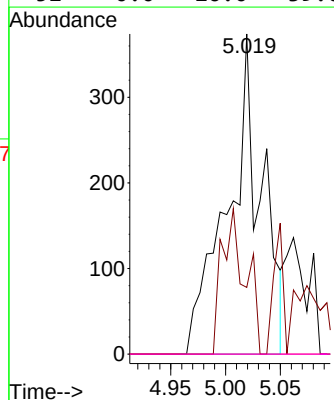
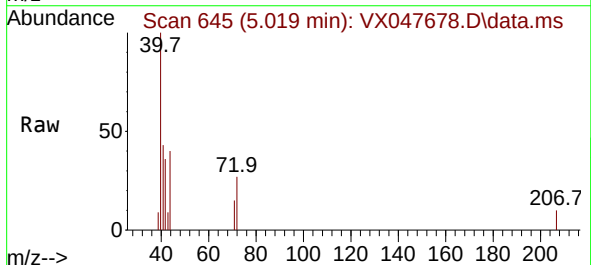


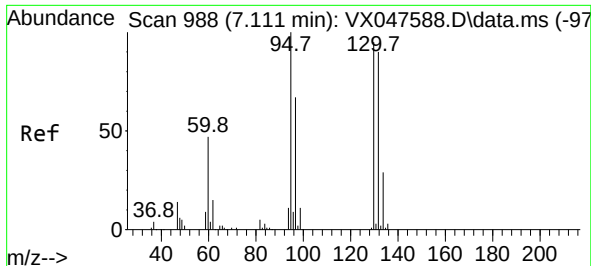
Tgt Ion:117 Resp: 17573
Ion Ratio Lower Upper
117 100
119 6.8 73.4 110.2#
121 0.0 23.8 35.6#



#41
Methacrylonitrile
Concen: 0.479 ug/l
RT: 5.019 min Scan# 645
Delta R.T. 0.116 min
Lab File: VX047678.D
Acq: 19 Sep 2025 15:57

Tgt Ion: 41 Resp: 801
Ion Ratio Lower Upper
41 100
39 31.6 43.3 64.9#
67 0.0 58.6 87.8#
52 0.0 26.0 39.0#

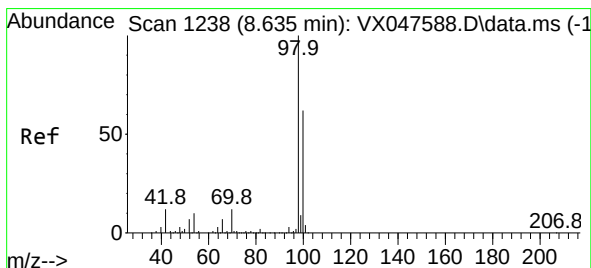
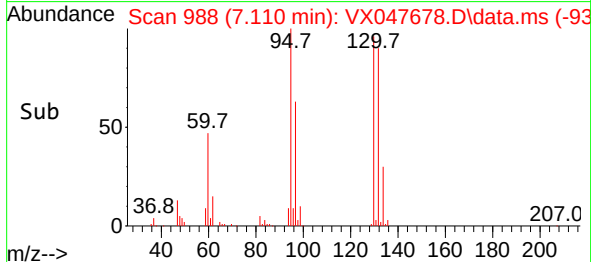
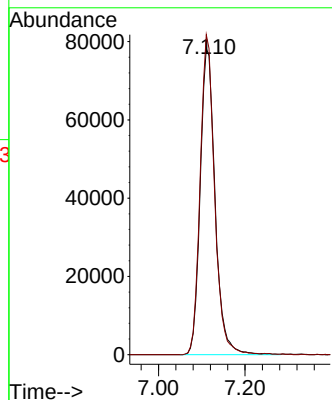
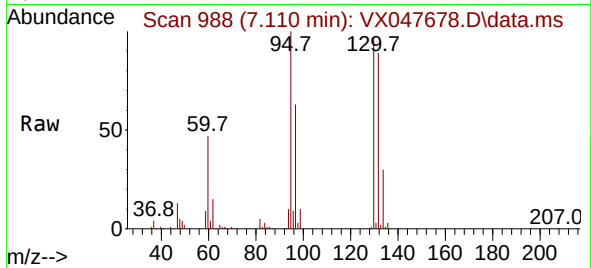




#44
Trichloroethene
Concen: 84.153 ug/l
RT: 7.110 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX047678.D
Acq: 19 Sep 2025 15:57

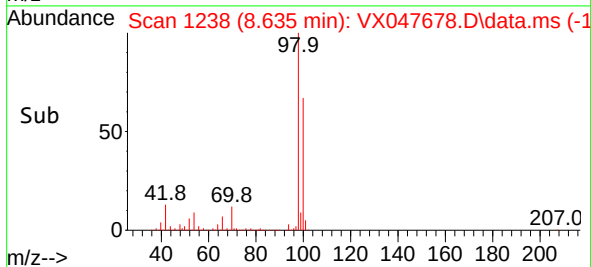
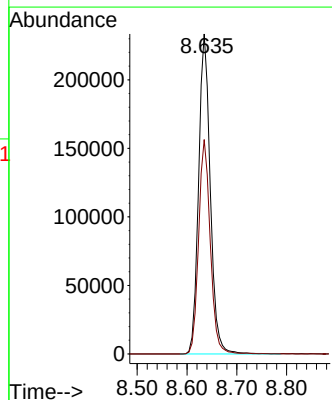
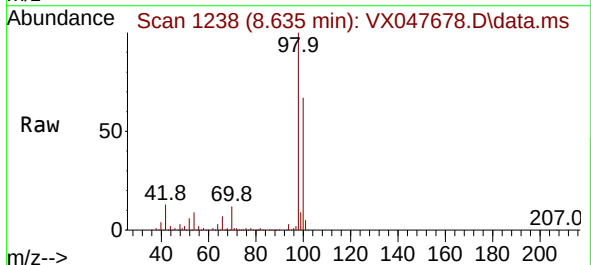
Instrument :
MSVOA_X
ClientSampleId :

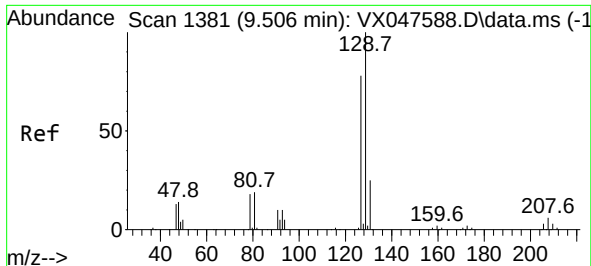
Tgt Ion:130 Resp: 187117
Ion Ratio Lower Upper
130 100
95 104.5 0.0 210.8



#50
Toluene-d8
Concen: 52.872 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047678.D
Acq: 19 Sep 2025 15:57

Tgt Ion: 98 Resp: 379125
Ion Ratio Lower Upper
98 100
100 66.9 53.0 79.4

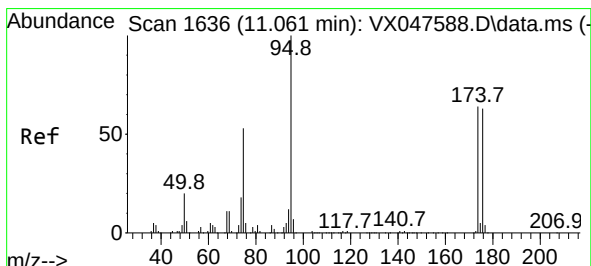
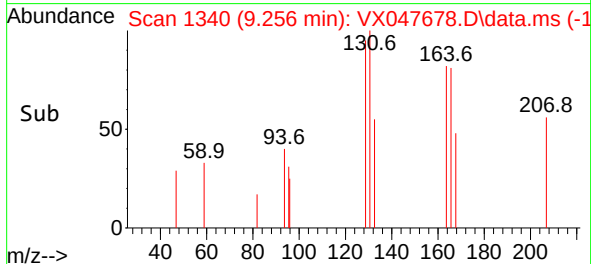
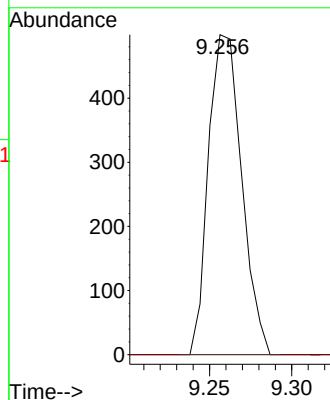
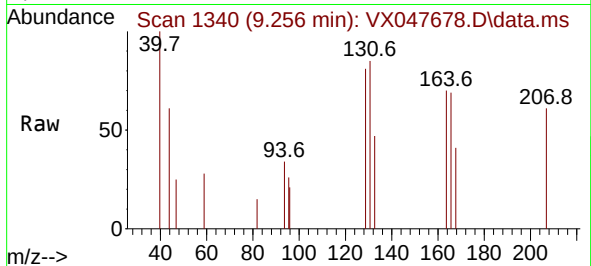




#60
Dibromochloromethane
Concen: 0.279 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX047678.D
Acq: 19 Sep 2025 15:57

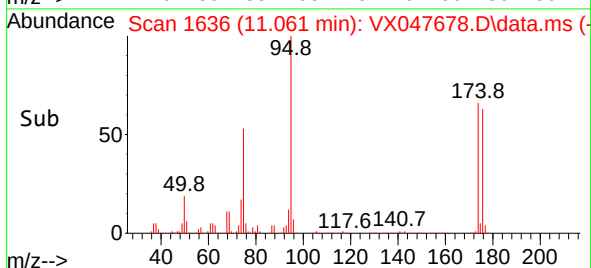
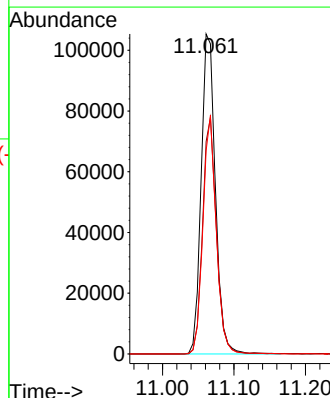
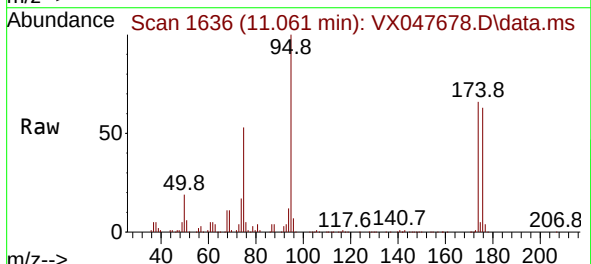
Instrument :
MSVOA_X
ClientSampleId :

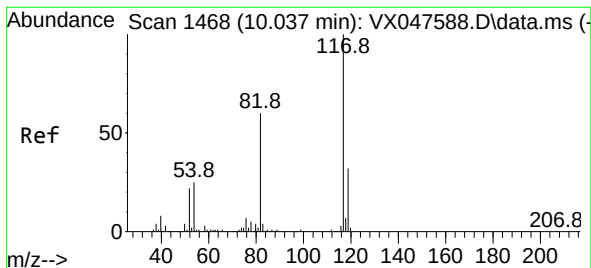
Tgt Ion:129 Resp: 702
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 53.407 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX047678.D
Acq: 19 Sep 2025 15:57

Tgt Ion: 95 Resp: 145340
Ion Ratio Lower Upper
95 100
174 71.4 0.0 141.6
176 70.1 0.0 138.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.037 min Scan# 1468

Delta R.T. -0.000 min

Lab File: VX047678.D

Acq: 19 Sep 2025 15:57

Instrument :

MSVOA_X

ClientSampleId :

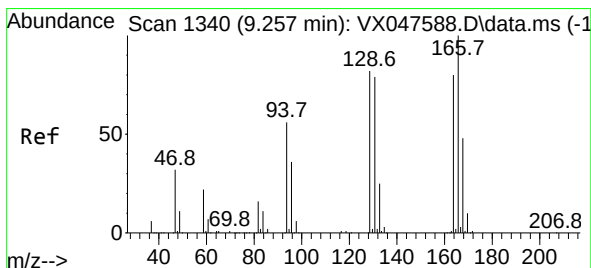
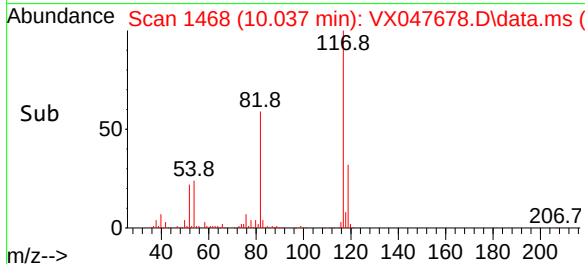
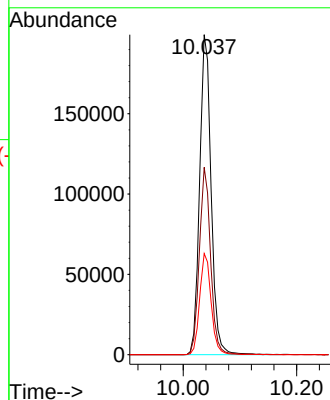
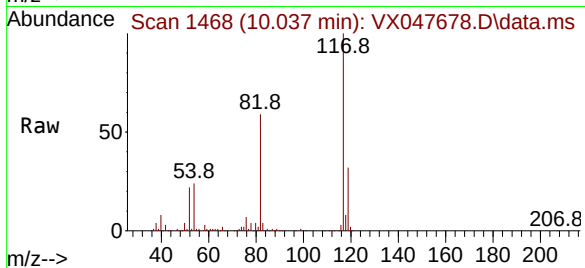
Tgt Ion:117 Resp: 279494

Ion Ratio Lower Upper

117 100

82 58.6 47.8 71.6

119 31.6 25.2 37.8



#64

Tetrachloroethene

Concen: 0.428 ug/l

RT: 9.262 min Scan# 1341

Delta R.T. 0.006 min

Lab File: VX047678.D

Acq: 19 Sep 2025 15:57

Tgt Ion:164 Resp: 779

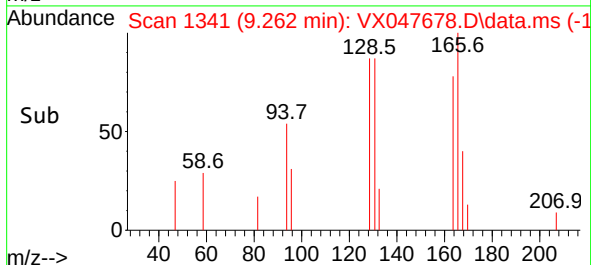
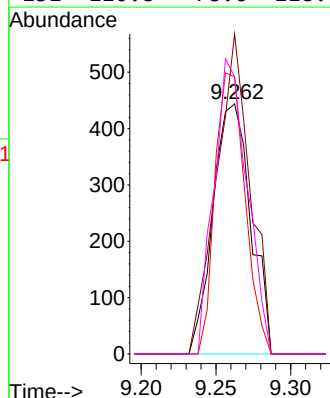
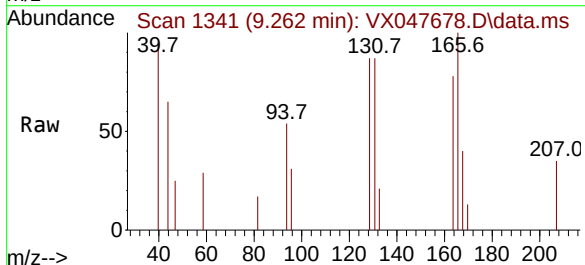
Ion Ratio Lower Upper

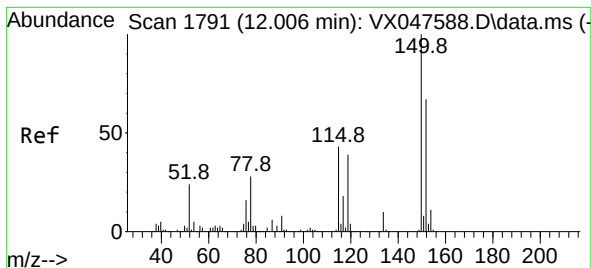
164 100

166 127.9 100.2 150.2

129 110.8 81.8 122.6

131 110.8 78.6 118.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX047678.D

Acq: 19 Sep 2025 15:57

Instrument :

MSVOA_X

ClientSampleId :

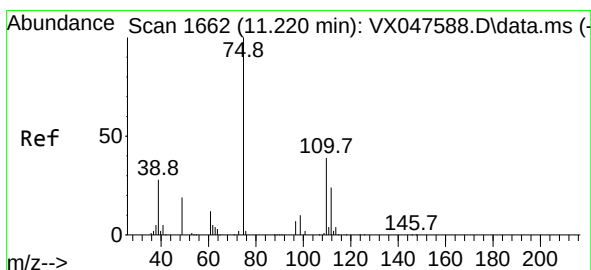
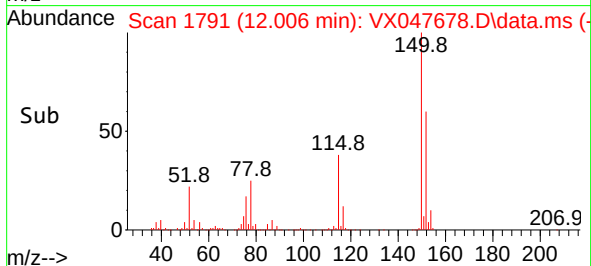
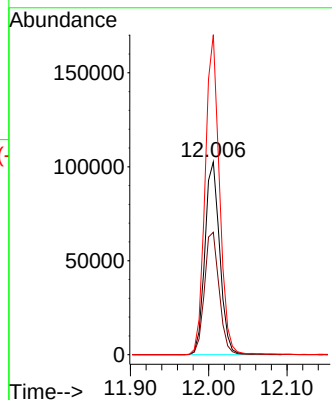
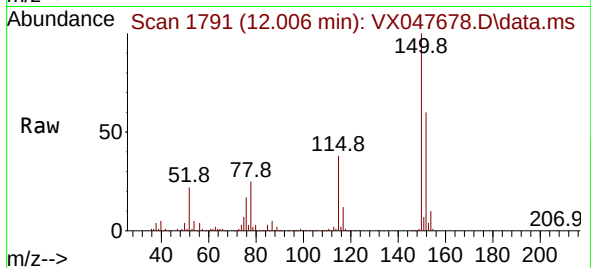
Tgt Ion:152 Resp: 134673

Ion Ratio Lower Upper

152 100

115 63.4 44.9 134.5

150 160.2 0.0 352.0



#76

1,2,3-Trichloropropane

Concen: 27.769 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. -0.159 min

Lab File: VX047678.D

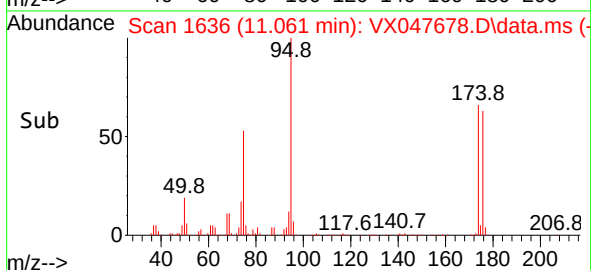
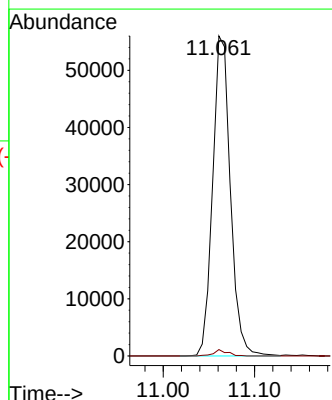
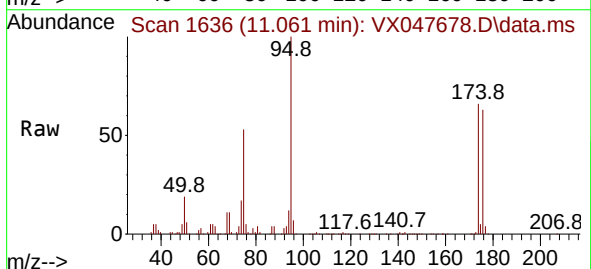
Acq: 19 Sep 2025 15:57

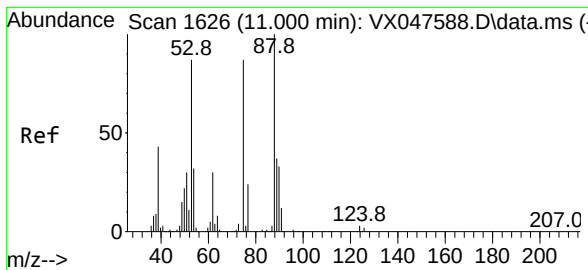
Tgt Ion: 75 Resp: 75719

Ion Ratio Lower Upper

75 100

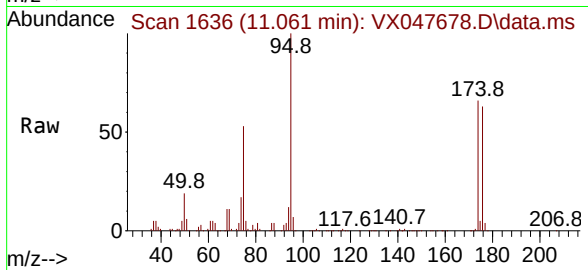
77 1.5 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.816 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX047678.D
 Acq: 19 Sep 2025 15:57

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 75719
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

