

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
 Data File : VX048176.D
 Acq On : 14 Oct 2025 18:38
 Operator : JC/MD
 Sample : Q3311-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 15 02:50:39 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)

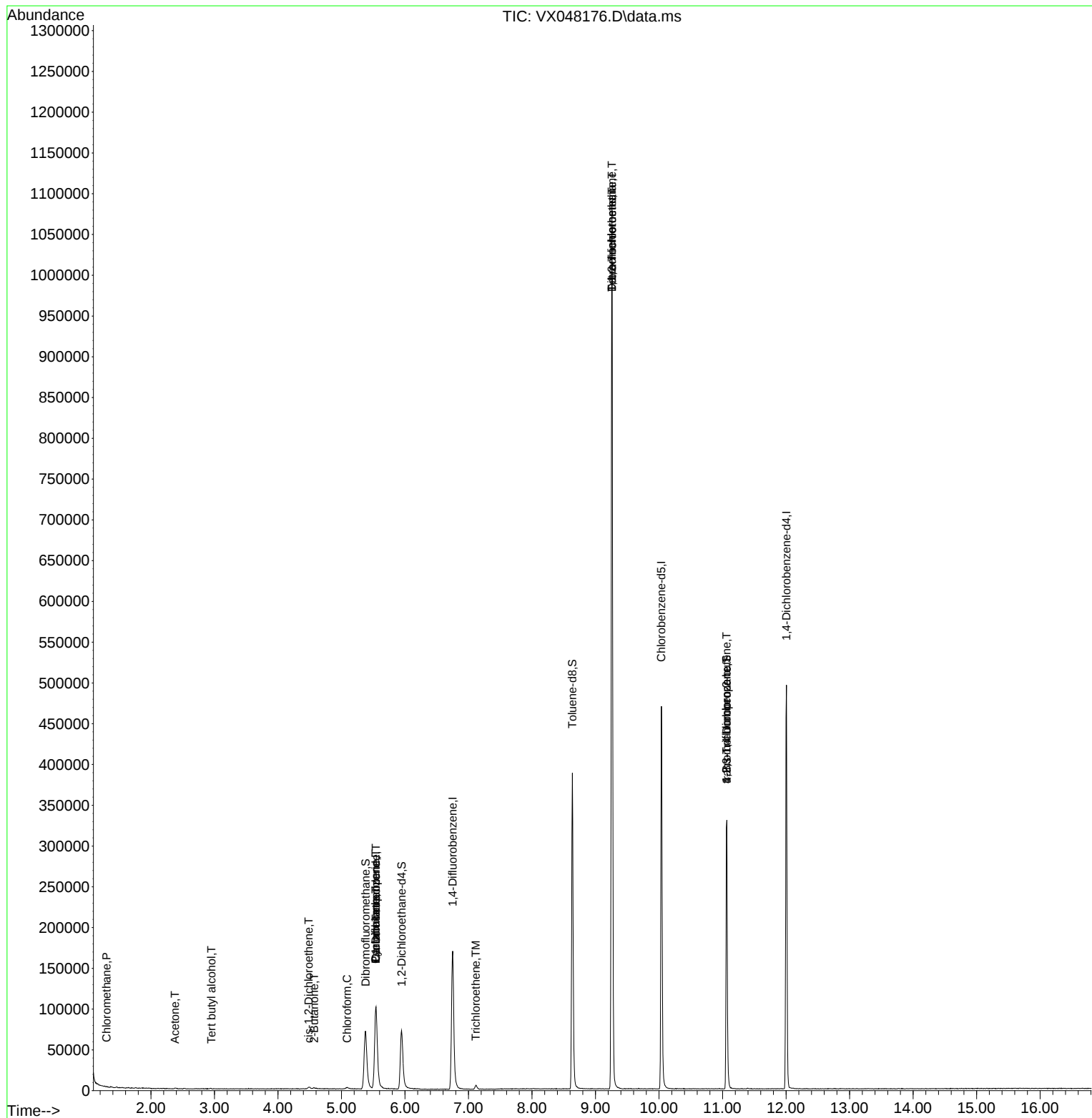
Internal Standards						
1) Pentafluorobenzene	5.537	168	101378	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	188364	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	214540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	104145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	79441	49.230	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	98.460%
35) Dibromofluoromethane	5.379	113	68594	54.299	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	108.600%
50) Toluene-d8	8.635	98	232782	53.254	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	106.500%
62) 4-Bromofluorobenzene	11.061	95	95184	57.376	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	114.760%
Target Compounds						
					Qvalue	
3) Chloromethane	1.300	50	340	0.246	ug/l #	65
11) Tert butyl alcohol	2.953	59	117	0.651	ug/l #	72
16) Acetone	2.380	43	1061	1.512	ug/l #	80
25) 2-Butanone	4.568	43	3074	3.512	ug/l #	87
27) cis-1,2-Dichloroethene	4.483	96	1654	1.041	ug/l	82
30) Chloroform	5.086	83	2151	0.831	ug/l #	78
31) Cyclohexane	5.537	56	2388	1.120	ug/l #	25
36) 1,1-Dichloropropene	5.537	75	9101	4.930	ug/l #	43
38) Carbon Tetrachloride	5.544	117	10455	5.213	ug/l #	18
44) Trichloroethene	7.116	130	2167	1.599	ug/l	94
55) 1,1,2-Trichloroethane	9.256	97	2009	1.508	ug/l #	1
60) Dibromochloromethane	9.256	129	202683	132.069	ug/l #	11
64) Tetrachloroethene	9.256	164	203167	145.267	ug/l	98
76) 1,2,3-Trichloropropane	11.061	75	51392	24.372	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	51392	62.153	ug/l #	8

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
Data File : VX048176.D
Acq On : 14 Oct 2025 18:38
Operator : JC/MD
Sample : Q3311-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

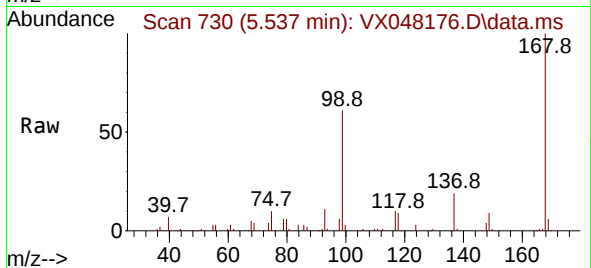
Quant Time: Oct 15 02:50:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



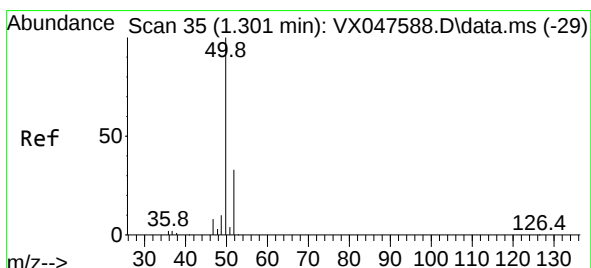
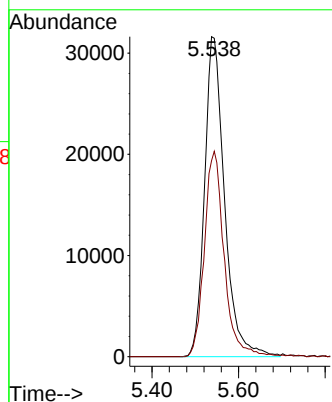
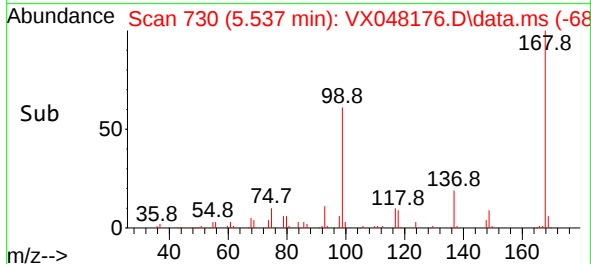


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX048176.D
Acq: 14 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :

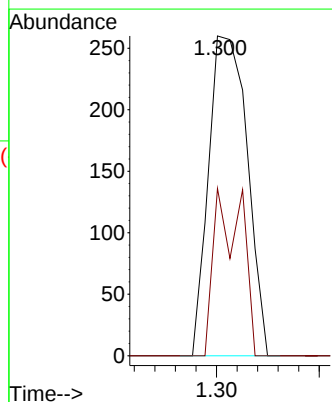
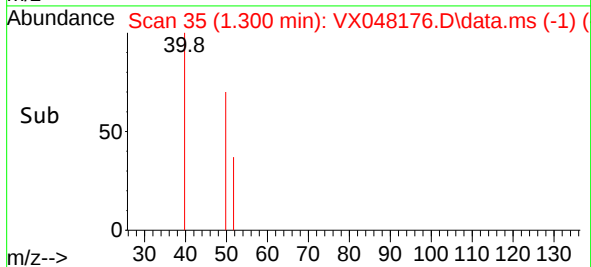
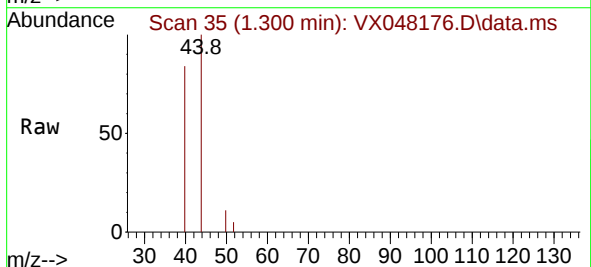


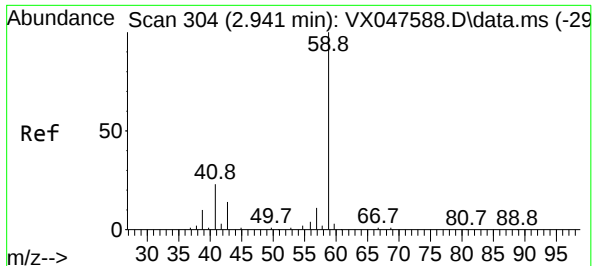
Tgt Ion:168 Resp: 101378
Ion Ratio Lower Upper
168 100
99 61.3 48.8 73.2



#3
Chloromethane
Concen: 0.246 ug/l
RT: 1.300 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX048176.D
Acq: 14 Oct 2025 18:38

Tgt Ion: 50 Resp: 340
Ion Ratio Lower Upper
50 100
52 52.3 26.1 39.1#

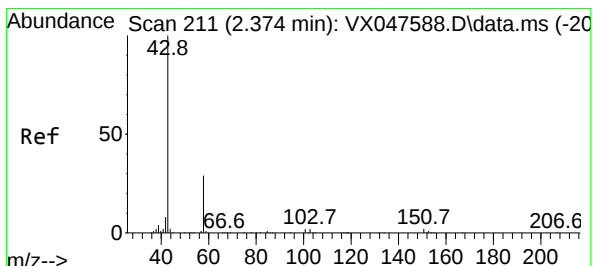
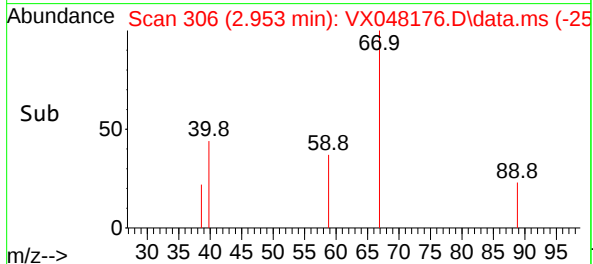
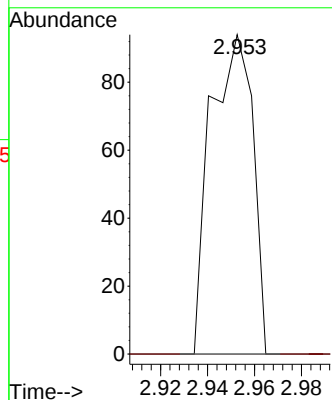
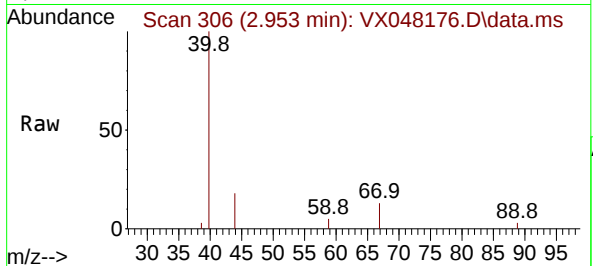




#11
Tert butyl alcohol
Concen: 0.651 ug/l
RT: 2.953 min Scan# 30
Delta R.T. 0.012 min
Lab File: VX048176.D
Acq: 14 Oct 2025 18:38

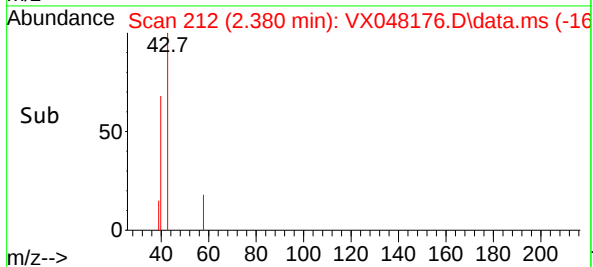
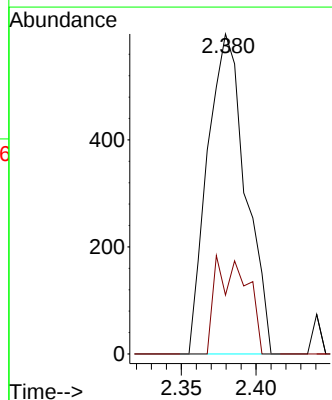
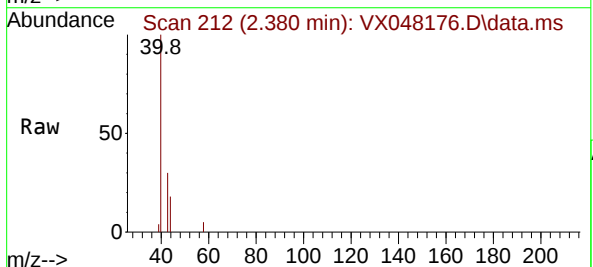
Instrument :
MSVOA_X
ClientSampleId :

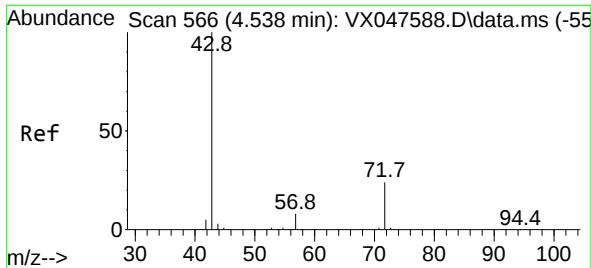
Tgt Ion: 59 Resp: 117
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 1.512 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX048176.D
Acq: 14 Oct 2025 18:38

Tgt Ion: 43 Resp: 1061
Ion Ratio Lower Upper
43 100
58 18.4 23.4 35.0#

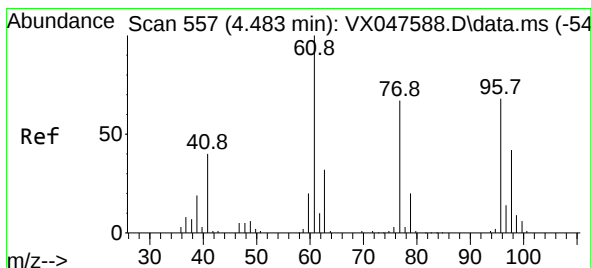
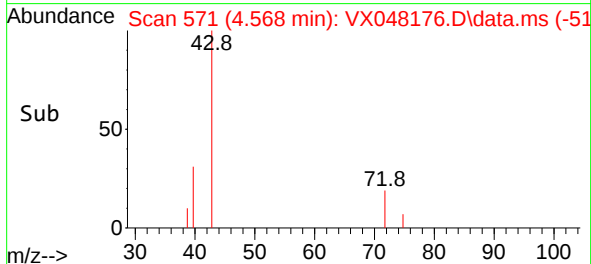
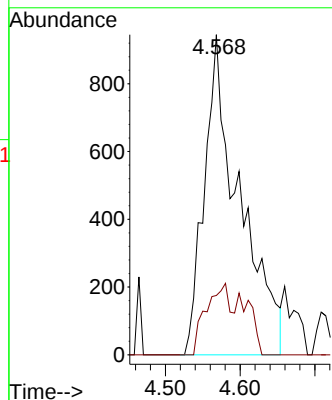
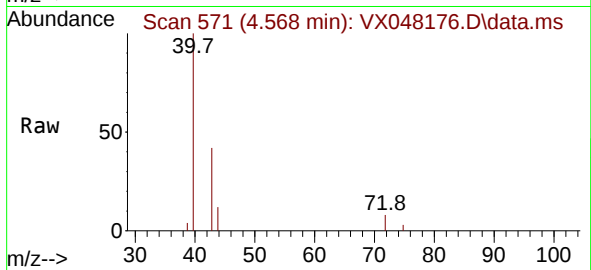




#25
2-Butanone
Concen: 3.512 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX048176.D
Acq: 14 Oct 2025 18:38

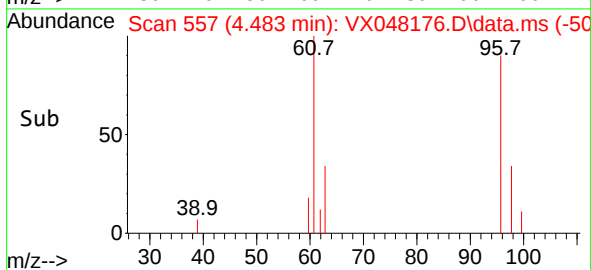
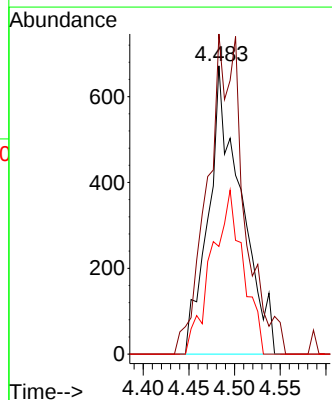
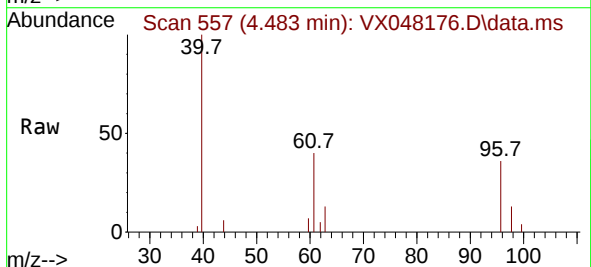
Instrument :
MSVOA_X
ClientSampleId :

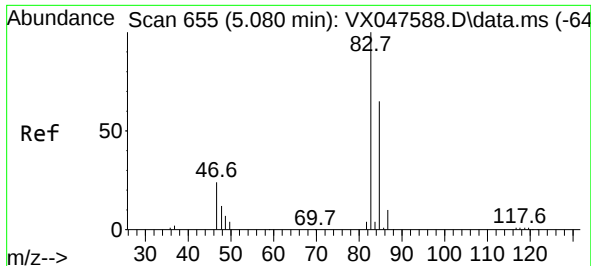
Tgt Ion: 43 Resp: 3074
Ion Ratio Lower Upper
43 100
72 18.5 20.1 30.1#



#27
cis-1,2-Dichloroethene
Concen: 1.041 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.000 min
Lab File: VX048176.D
Acq: 14 Oct 2025 18:38

Tgt Ion: 96 Resp: 1654
Ion Ratio Lower Upper
96 100
61 125.2 0.0 303.2
98 55.9 0.0 127.8





#30

Chloroform

Concen: 0.831 ug/l

RT: 5.086 min Scan# 61

Delta R.T. 0.006 min

Lab File: VX048176.D

Acq: 14 Oct 2025 18:38

Instrument :

MSVOA_X

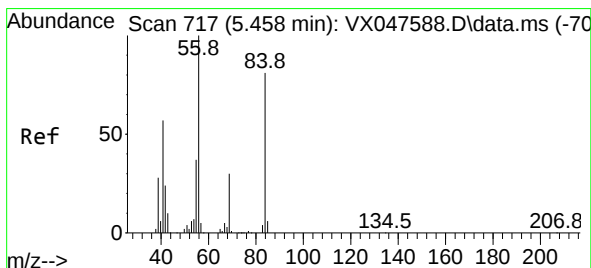
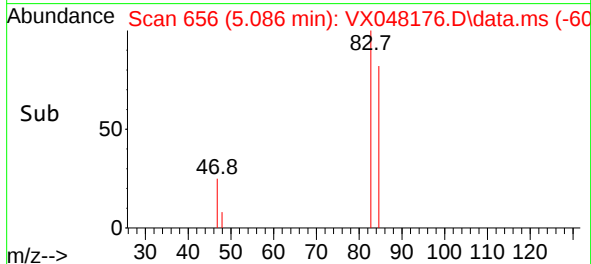
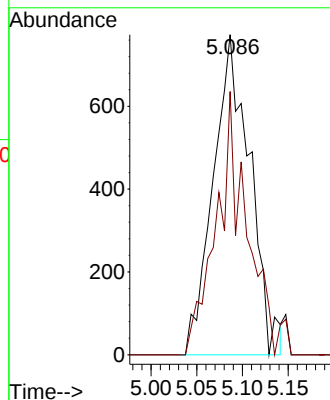
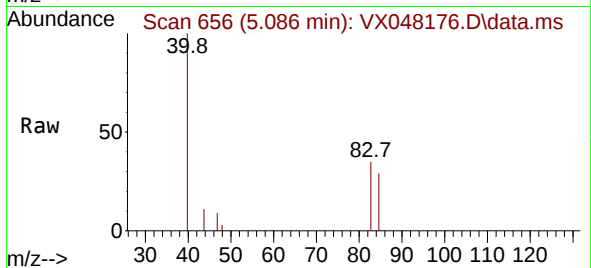
ClientSampleId :

Tgt Ion: 83 Resp: 2151

Ion Ratio Lower Upper

83 100

85 82.3 51.8 77.6#



#31

Cyclohexane

Concen: 1.120 ug/l

RT: 5.537 min Scan# 730

Delta R.T. 0.079 min

Lab File: VX048176.D

Acq: 14 Oct 2025 18:38

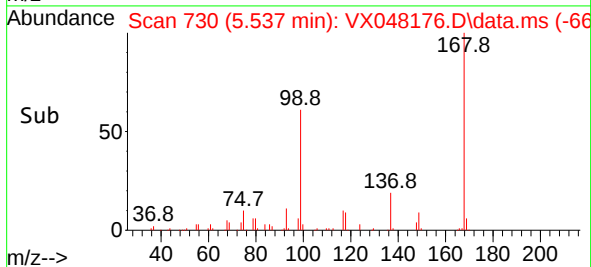
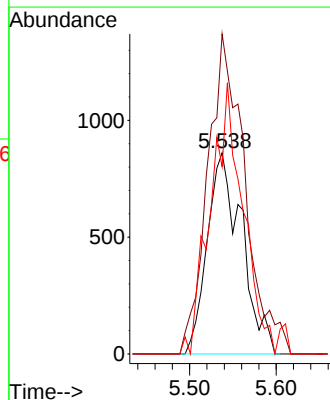
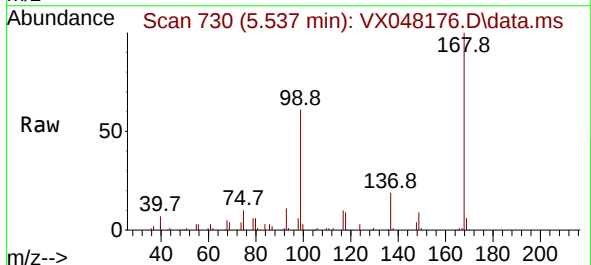
Tgt Ion: 56 Resp: 2388

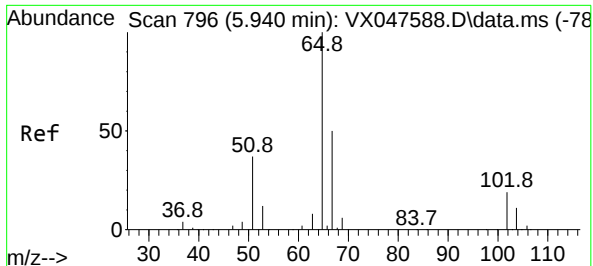
Ion Ratio Lower Upper

56 100

69 159.1 23.8 35.8#

84 93.1 64.6 97.0





#33

1,2-Dichloroethane-d4

Concen: 49.230 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048176.D

Acq: 14 Oct 2025 18:38

Instrument :

MSVOA_X

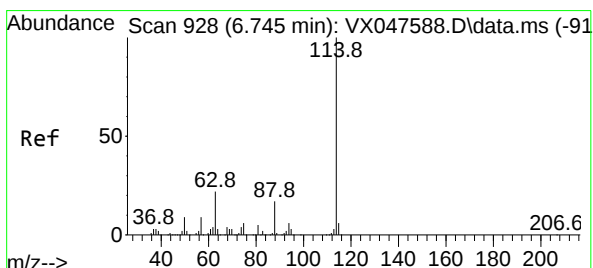
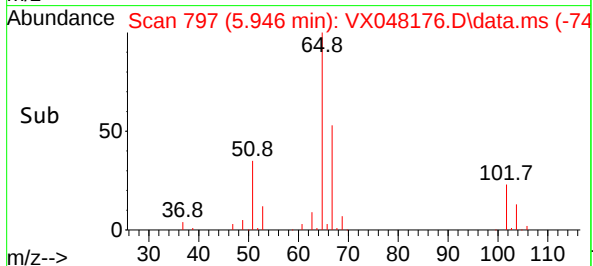
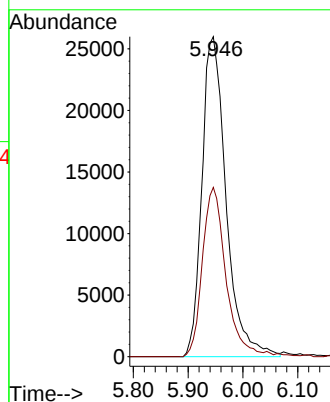
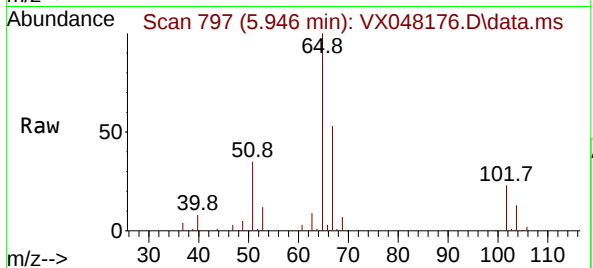
ClientSampleId :

Tgt Ion: 65 Resp: 79441

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: VX048176.D

Acq: 14 Oct 2025 18:38

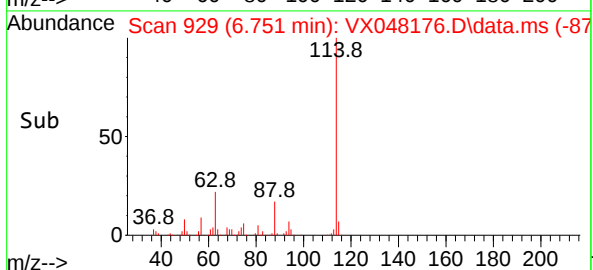
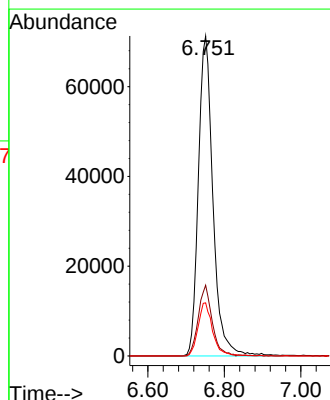
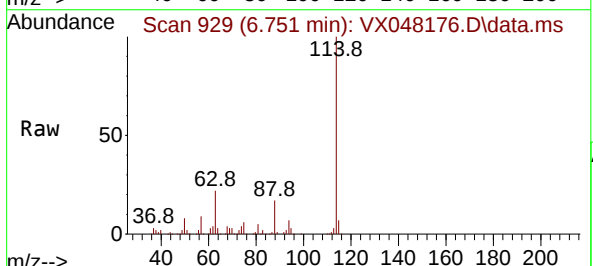
Tgt Ion: 114 Resp: 188364

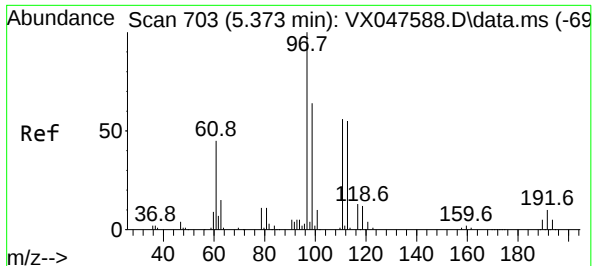
Ion Ratio Lower Upper

114 100

63 22.1 0.0 44.0

88 16.6 0.0 34.2

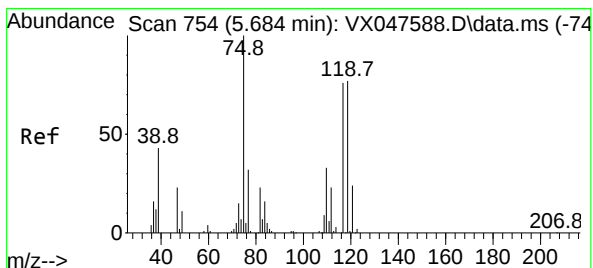
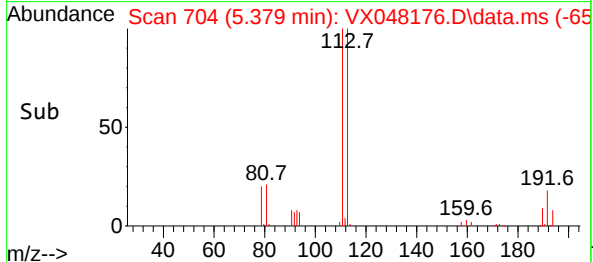
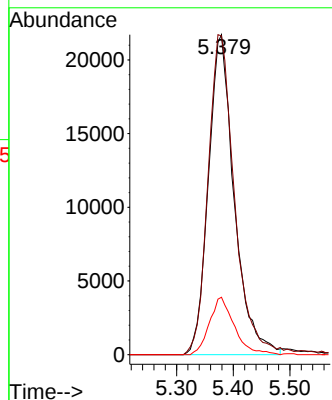
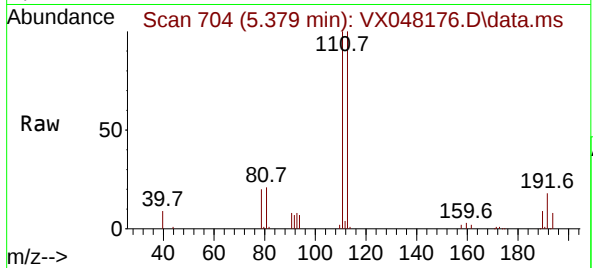




#35
Dibromofluoromethane
Concen: 54.299 ug/l
RT: 5.379 min Scan# 703
Delta R.T. 0.006 min
Lab File: VX048176.D
Acq: 14 Oct 2025 18:38

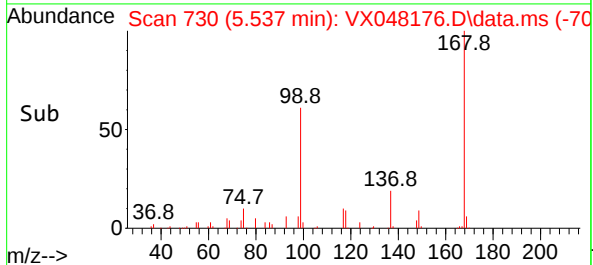
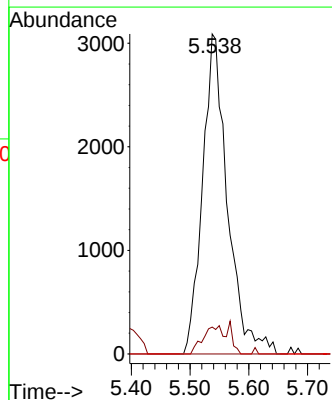
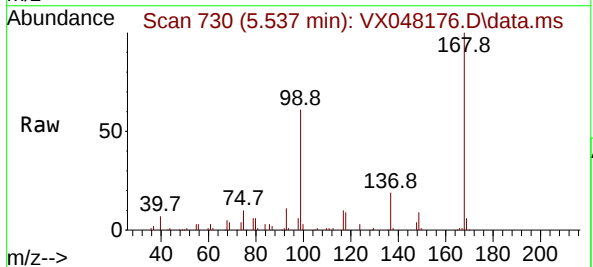
Instrument :
MSVOA_X
ClientSampleId :

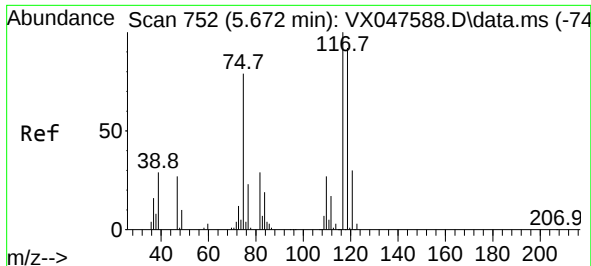
Tgt Ion:113 Resp: 68594
Ion Ratio Lower Upper
113 100
111 102.7 80.9 121.3
192 17.4 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.930 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.147 min
Lab File: VX048176.D
Acq: 14 Oct 2025 18:38

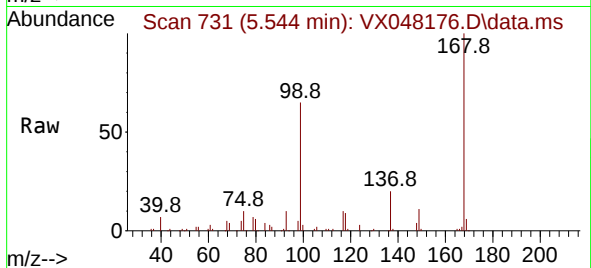
Tgt Ion: 75 Resp: 9101
Ion Ratio Lower Upper
75 100
110 0.0 16.7 50.1#
77 0.0 24.3 36.5#



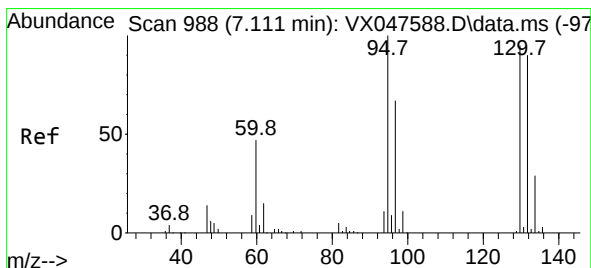
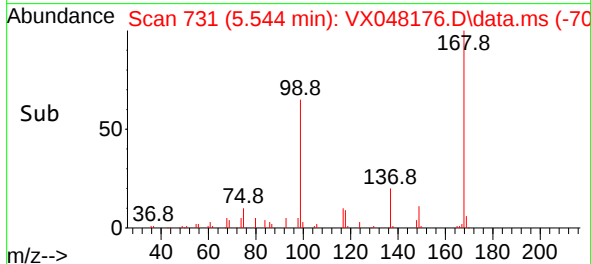
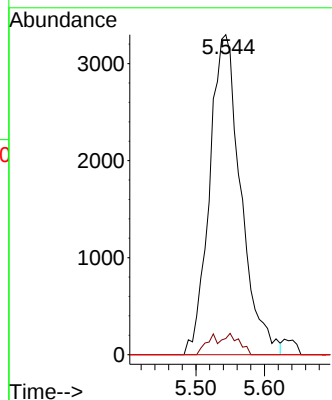


#38
Carbon Tetrachloride
Concen: 5.213 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX048176.D
Acq: 14 Oct 2025 18:38

Instrument :
MSVOA_X
ClientSampleId :

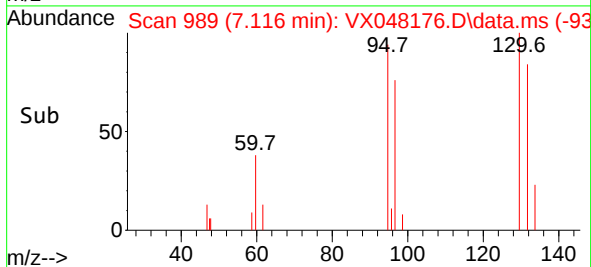
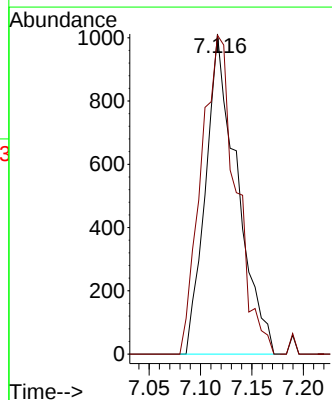
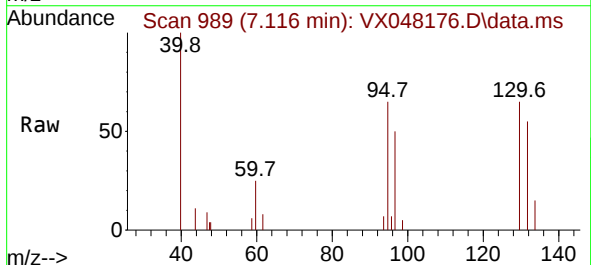


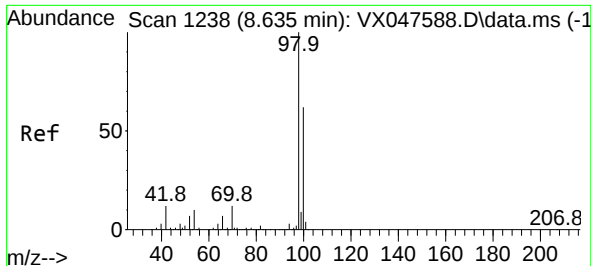
Tgt Ion:117 Resp: 10455
Ion Ratio Lower Upper
117 100
119 5.0 73.4 110.2#
121 0.0 23.8 35.6#



#44
Trichloroethene
Concen: 1.599 ug/l
RT: 7.116 min Scan# 989
Delta R.T. 0.006 min
Lab File: VX048176.D
Acq: 14 Oct 2025 18:38

Tgt Ion:130 Resp: 2167
Ion Ratio Lower Upper
130 100
95 99.6 0.0 210.8

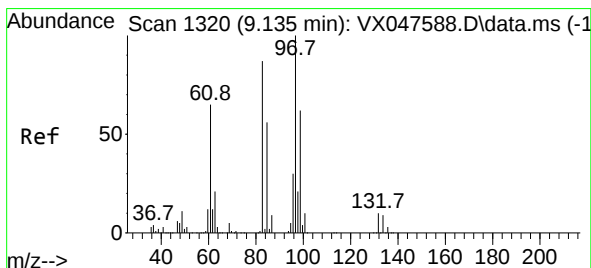
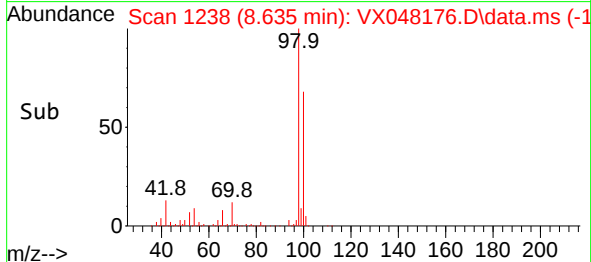
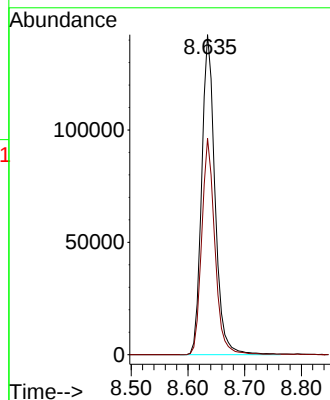
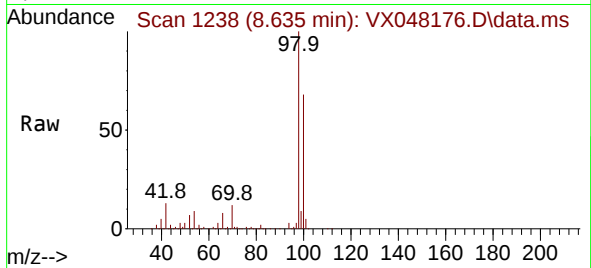




#50
Toluene-d8
Concen: 53.254 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048176.D
Acq: 14 Oct 2025 18:38

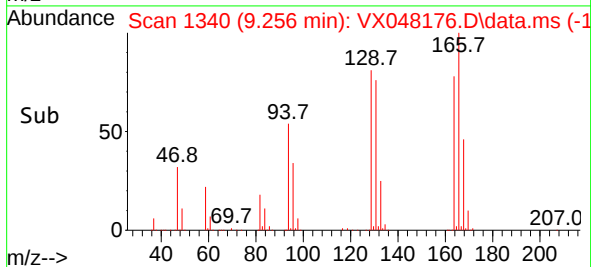
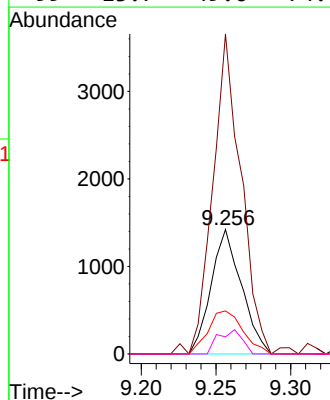
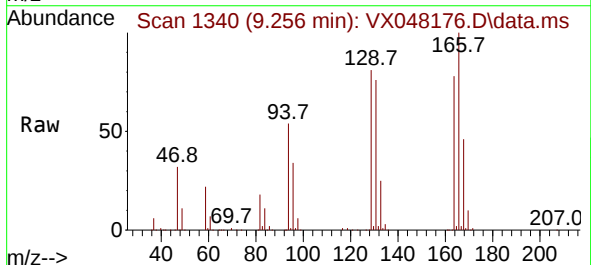
Instrument :
MSVOA_X
ClientSampleId :

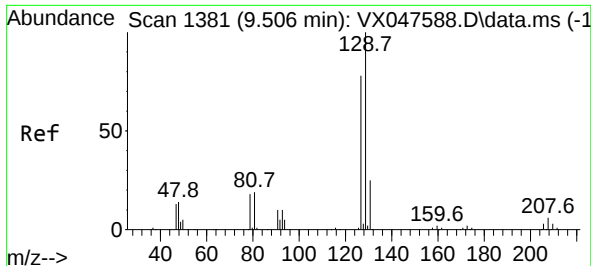
Tgt Ion: 98 Resp: 232782
Ion Ratio Lower Upper
98 100
100 66.6 53.0 79.4



#55
1,1,2-Trichloroethane
Concen: 1.508 ug/l
RT: 9.256 min Scan# 1340
Delta R.T. 0.122 min
Lab File: VX048176.D
Acq: 14 Oct 2025 18:38

Tgt Ion: 97 Resp: 2009
Ion Ratio Lower Upper
97 100
83 252.3 69.6 104.4#
85 34.6 45.0 67.6#
99 13.7 49.6 74.4#

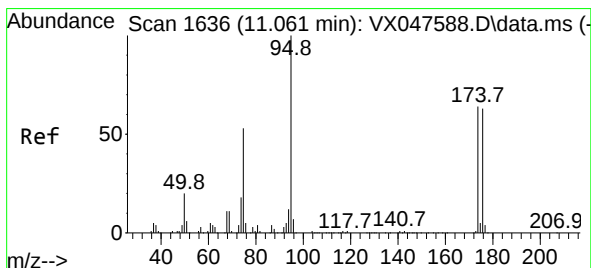
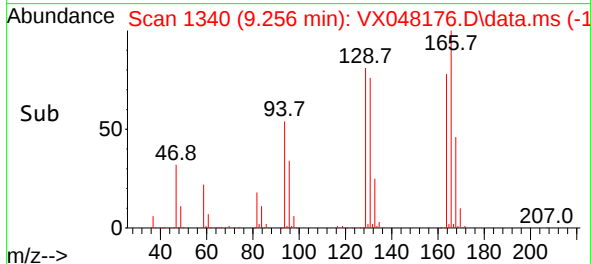
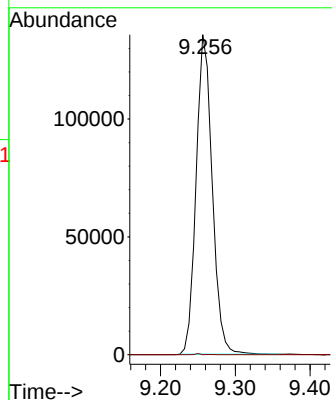
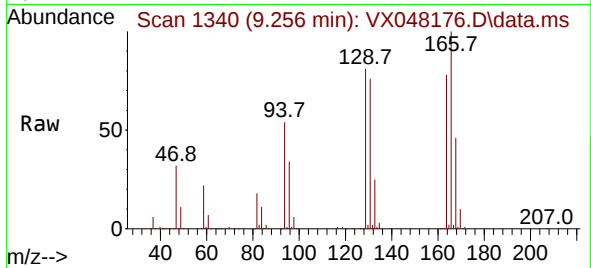




#60
Dibromochloromethane
Concen: 132.069 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX048176.D
Acq: 14 Oct 2025 18:38

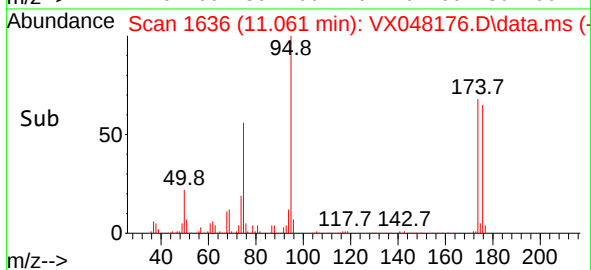
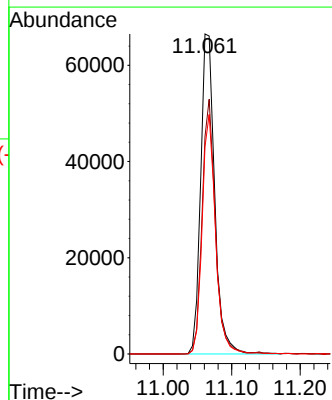
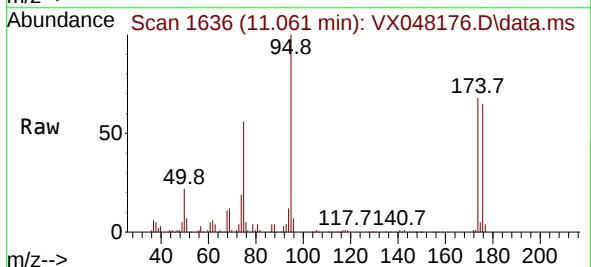
Instrument :
MSVOA_X
ClientSampleId :

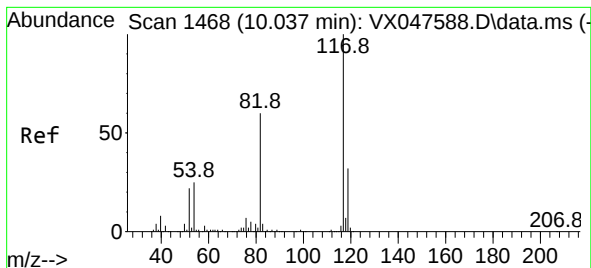
Tgt Ion:129 Resp: 202683
Ion Ratio Lower Upper
129 100
127 0.1 38.4 115.2#



#62
4-Bromofluorobenzene
Concen: 57.376 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048176.D
Acq: 14 Oct 2025 18:38

Tgt Ion: 95 Resp: 95184
Ion Ratio Lower Upper
95 100
174 74.7 0.0 141.6
176 71.4 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: VX048176.D

Acq: 14 Oct 2025 18:38

Instrument :

MSVOA_X

ClientSampleId :

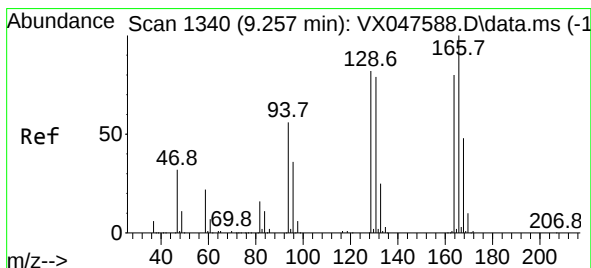
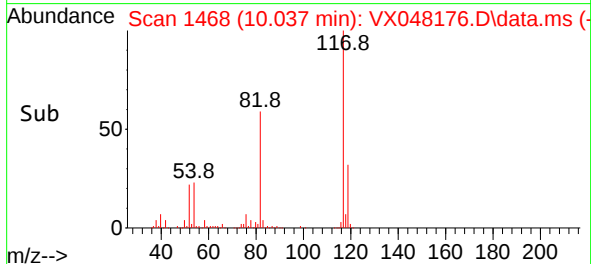
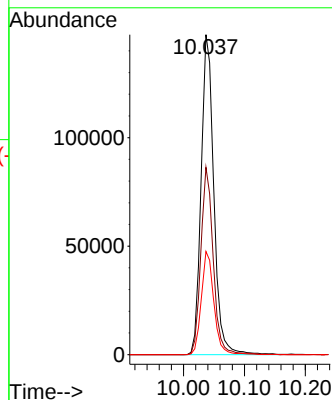
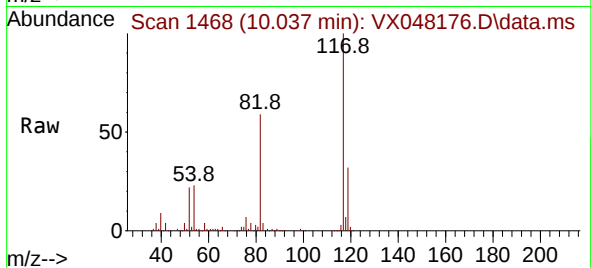
Tgt Ion:117 Resp: 214540

Ion Ratio Lower Upper

117 100

82 58.5 47.8 71.6

119 32.3 25.2 37.8



#64

Tetrachloroethene

Concen: 145.267 ug/l

RT: 9.256 min Scan# 1340

Delta R.T. -0.000 min

Lab File: VX048176.D

Acq: 14 Oct 2025 18:38

Tgt Ion:164 Resp: 203167

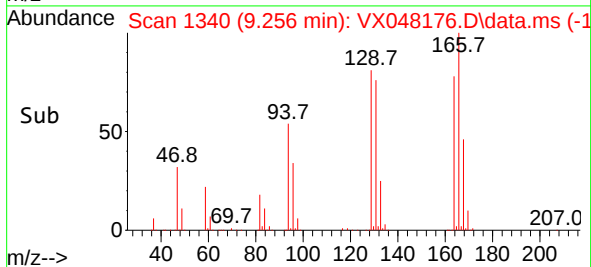
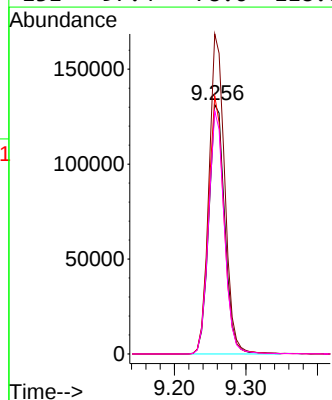
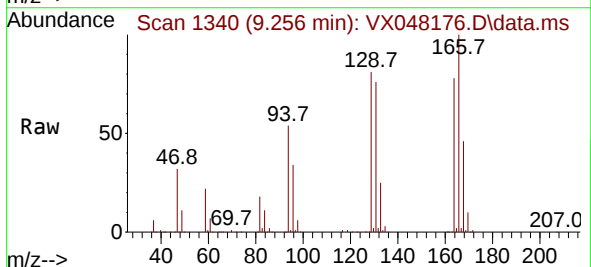
Ion Ratio Lower Upper

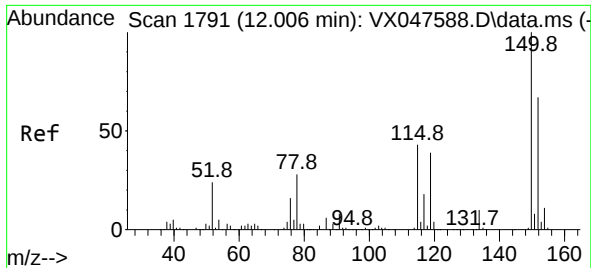
164 100

166 128.4 100.2 150.2

129 103.4 81.8 122.6

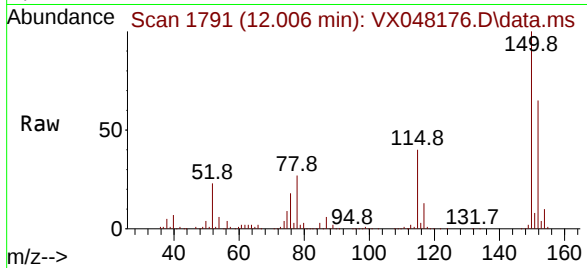
131 97.4 78.6 118.0



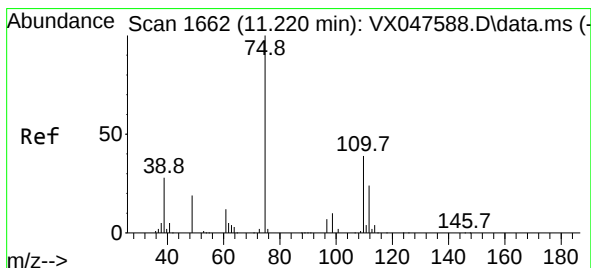
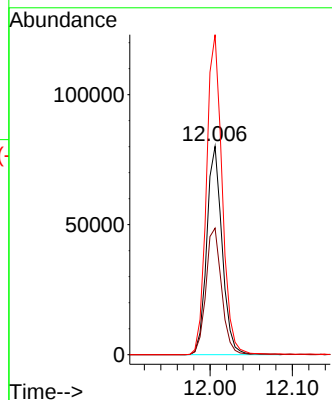
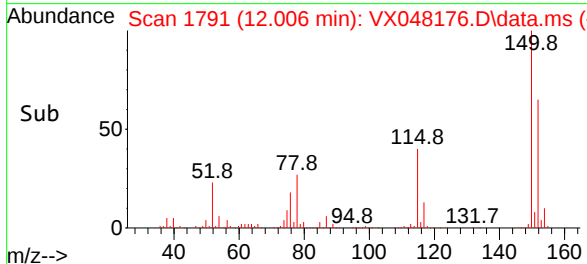


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX048176.D
 Acq: 14 Oct 2025 18:38

Instrument :
 MSVOA_X
 ClientSampleId :

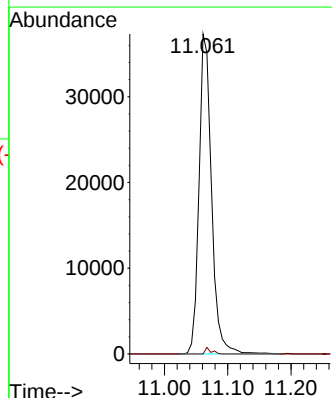
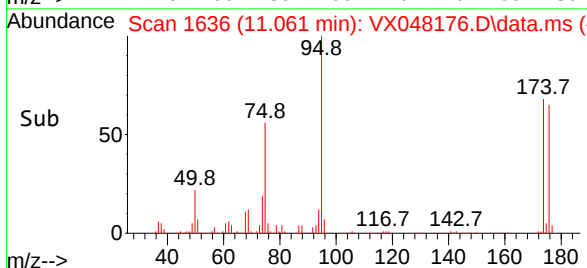
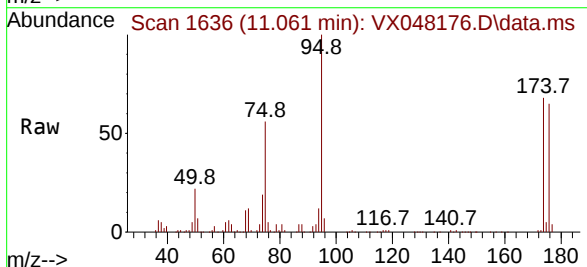


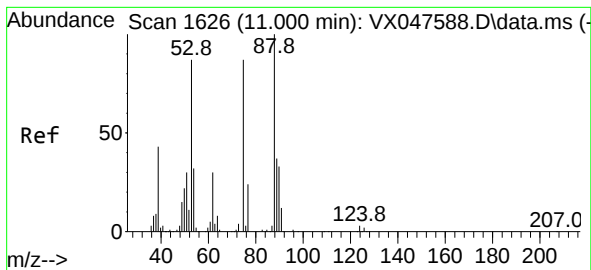
Tgt Ion:152 Resp: 104145
 Ion Ratio Lower Upper
 152 100
 115 62.3 44.9 134.5
 150 156.9 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 24.372 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX048176.D
 Acq: 14 Oct 2025 18:38

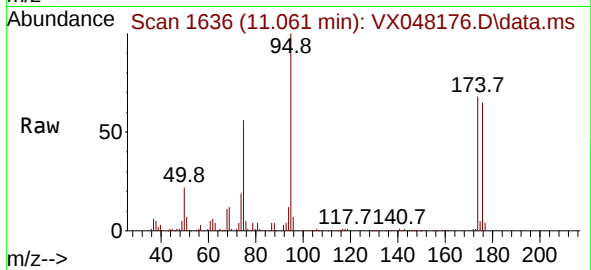
Tgt Ion: 75 Resp: 51392
 Ion Ratio Lower Upper
 75 100
 77 1.0 18.8 56.4#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.153 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX048176.D
 Acq: 14 Oct 2025 18:38

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 51392
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

