

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101425\
 Data File : VX048160.D
 Acq On : 14 Oct 2025 13:09
 Operator : JC/MD
 Sample : Q3311-14DL 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 15 02:43:14 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)

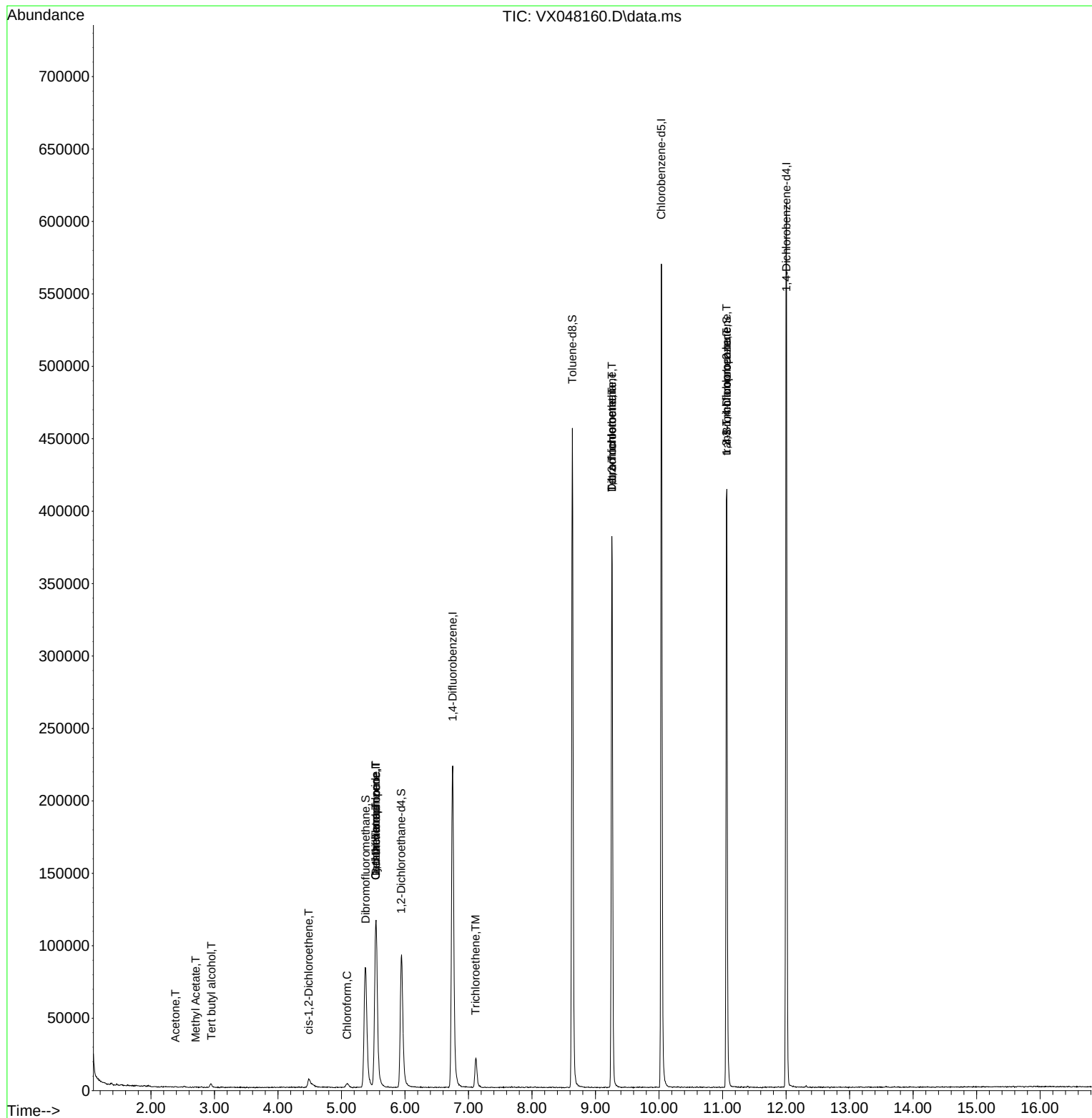
Internal Standards						
1) Pentafluorobenzene	5.544	168	117143	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	242012	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	256907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	129216	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	100879	54.102	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	108.200%
35) Dibromofluoromethane	5.379	113	81541	50.239	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	100.480%
50) Toluene-d8	8.635	98	284232	50.610	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	101.220%
62) 4-Bromofluorobenzene	11.067	95	120036	56.317	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	112.640%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	1482	7.136	ug/l #	72
16) Acetone	2.386	43	574	0.708	ug/l #	65
18) Methyl Acetate	2.703	43	367	0.203	ug/l #	54
27) cis-1,2-Dichloroethene	4.483	96	4253	2.318	ug/l	85
30) Chloroform	5.086	83	3770	1.261	ug/l	85
31) Cyclohexane	5.538	56	2824	1.146	ug/l #	48
36) 1,1-Dichloropropene	5.544	75	10493	4.424	ug/l #	51
38) Carbon Tetrachloride	5.538	117	12518	4.858	ug/l #	17
44) Trichloroethene	7.111	130	8868	5.092	ug/l	99
55) 1,1,2-Trichloroethane	9.256	97	764	0.446	ug/l #	1
60) Dibromochloromethane	9.256	129	72136	36.584	ug/l #	11
64) Tetrachloroethene	9.256	164	71855	42.905	ug/l	97
76) 1,2,3-Trichloropropane	11.061	75	63001	24.081	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	63001	61.410	ug/l #	8

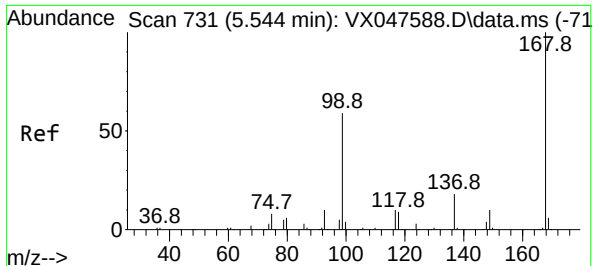
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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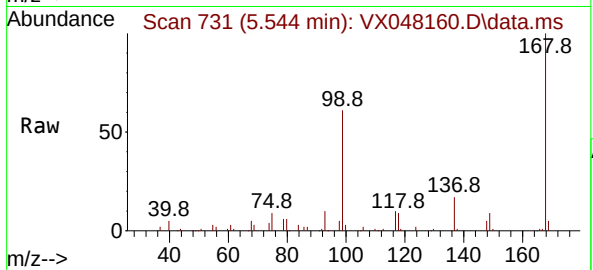
Quant Time: Oct 15 02:43:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
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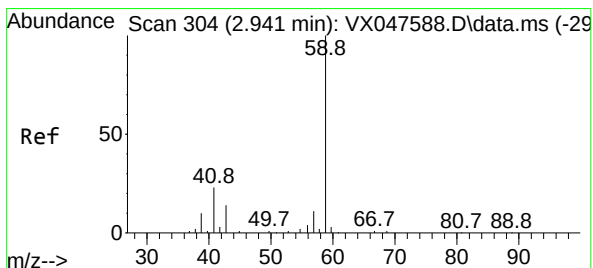
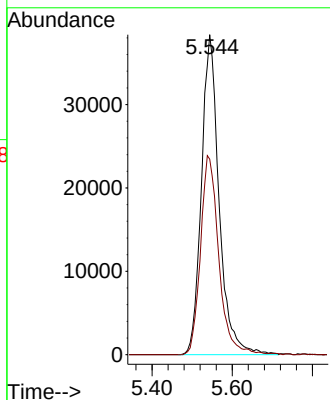
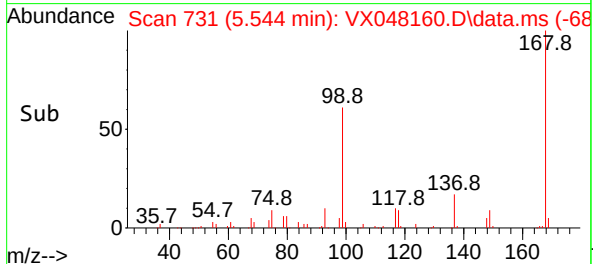


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048160.D
Acq: 14 Oct 2025 13:09

Instrument :
MSVOA_X
ClientSampleId :

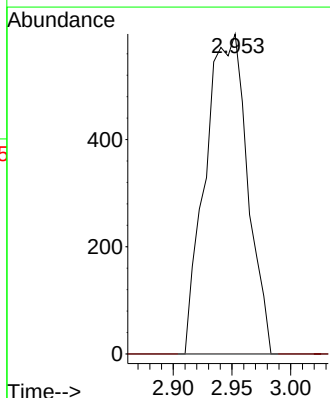
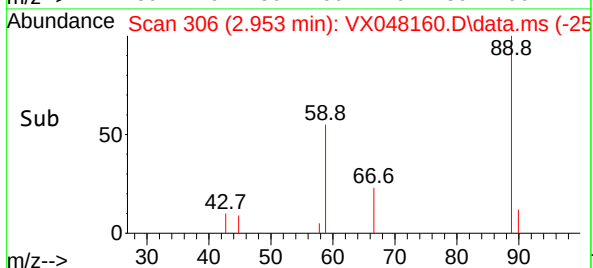
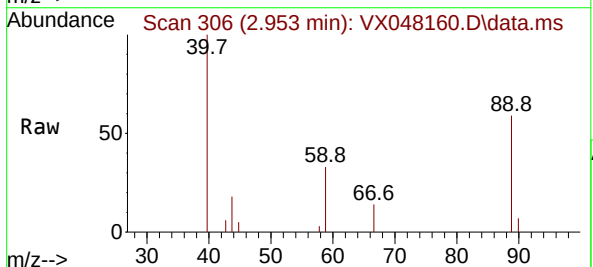


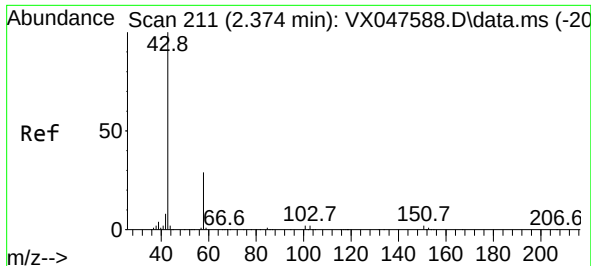
Tgt Ion:168 Resp: 117143
Ion Ratio Lower Upper
168 100
99 61.1 48.8 73.2



#11
Tert butyl alcohol
Concen: 7.136 ug/l
RT: 2.953 min Scan# 306
Delta R.T. 0.012 min
Lab File: VX048160.D
Acq: 14 Oct 2025 13:09

Tgt Ion: 59 Resp: 1482
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

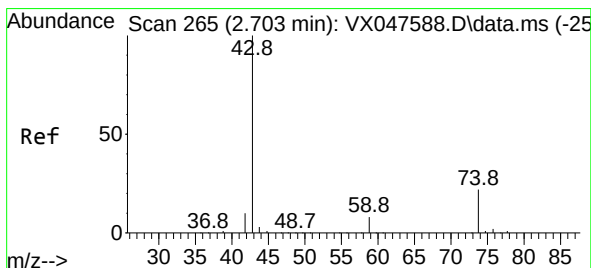
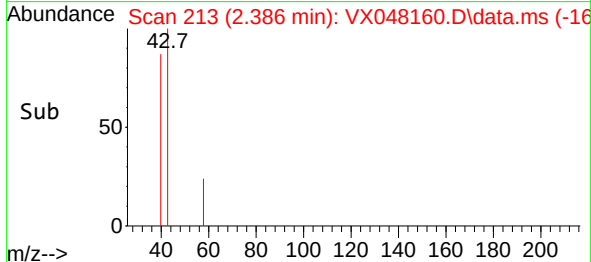
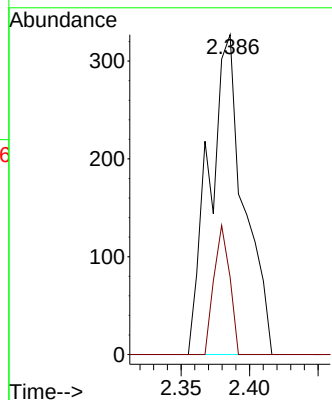
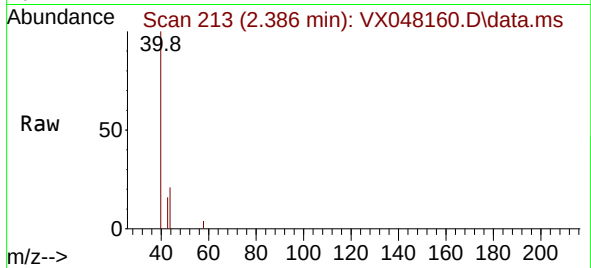




#16
Acetone
Concen: 0.708 ug/l
RT: 2.386 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX048160.D
Acq: 14 Oct 2025 13:09

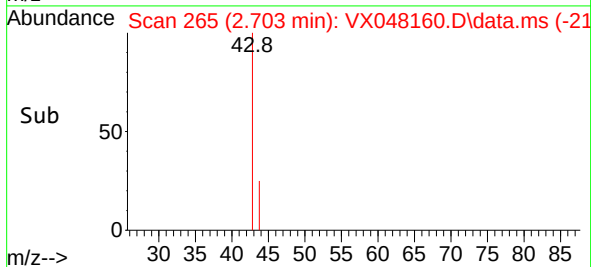
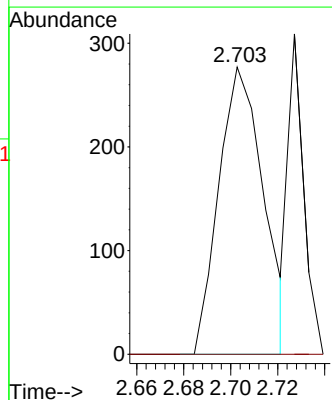
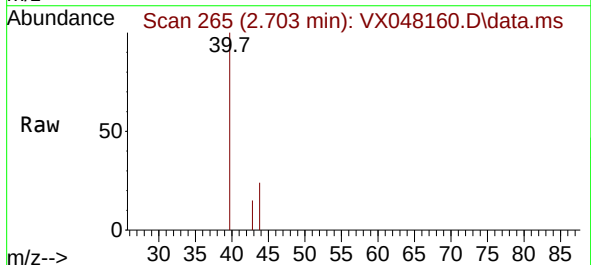
Instrument :
MSVOA_X
ClientSampleId :

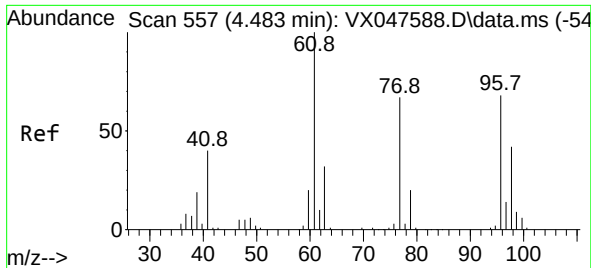
Tgt Ion: 43 Resp: 574
Ion Ratio Lower Upper
43 100
58 10.4 23.4 35.0#



#18
Methyl Acetate
Concen: 0.203 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX048160.D
Acq: 14 Oct 2025 13:09

Tgt Ion: 43 Resp: 367
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#

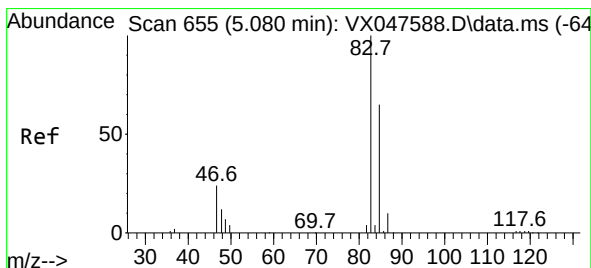
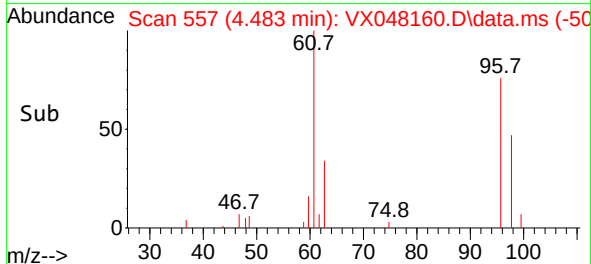
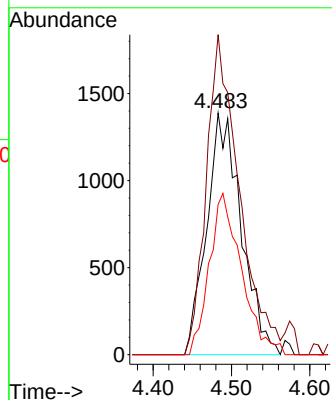
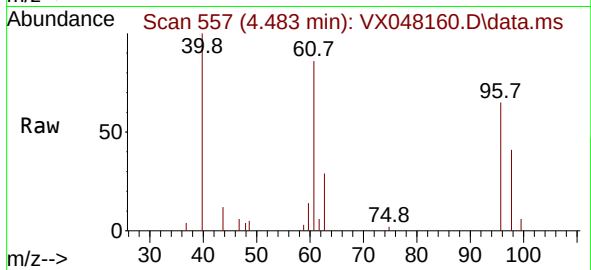




#27
 cis-1,2-Dichloroethene
 Concen: 2.318 ug/l
 RT: 4.483 min Scan# 51
 Delta R.T. -0.000 min
 Lab File: VX048160.D
 Acq: 14 Oct 2025 13:09

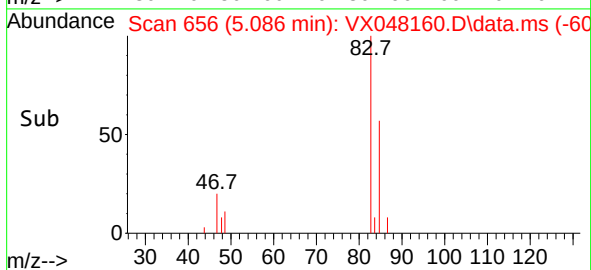
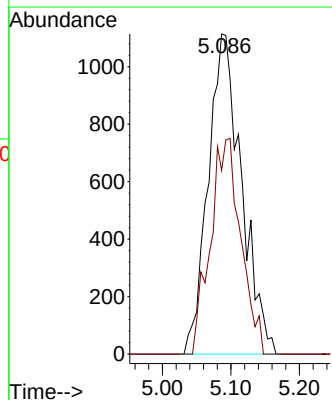
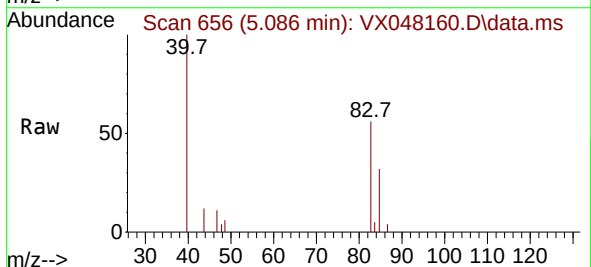
Instrument :
 MSVOA_X
 ClientSampleId :

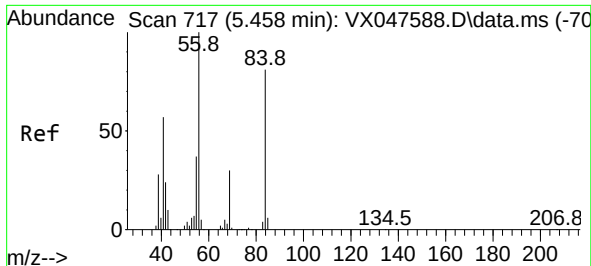
Tgt Ion: 96 Resp: 4253
 Ion Ratio Lower Upper
 96 100
 61 126.2 0.0 303.2
 98 62.1 0.0 127.8



#30
 Chloroform
 Concen: 1.261 ug/l
 RT: 5.086 min Scan# 656
 Delta R.T. 0.006 min
 Lab File: VX048160.D
 Acq: 14 Oct 2025 13:09

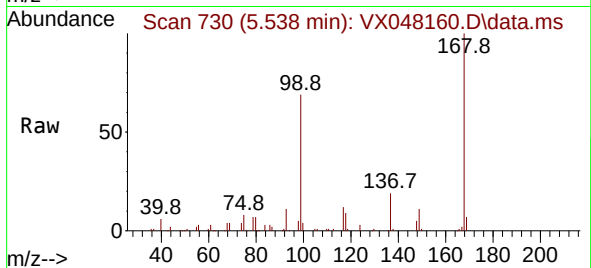
Tgt Ion: 83 Resp: 3770
 Ion Ratio Lower Upper
 83 100
 85 53.1 51.8 77.6



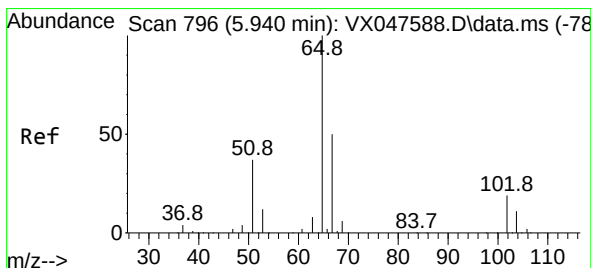
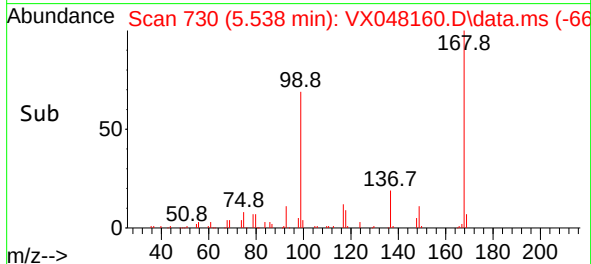
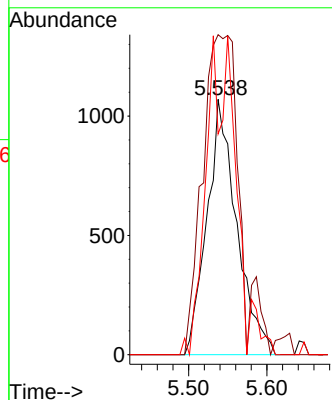


#31
Cyclohexane
Concen: 1.146 ug/l
RT: 5.538 min Scan# 717
Delta R.T. 0.079 min
Lab File: VX048160.D
Acq: 14 Oct 2025 13:09

Instrument :
MSVOA_X
ClientSampleId :

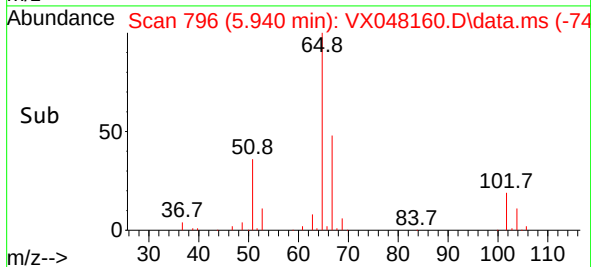
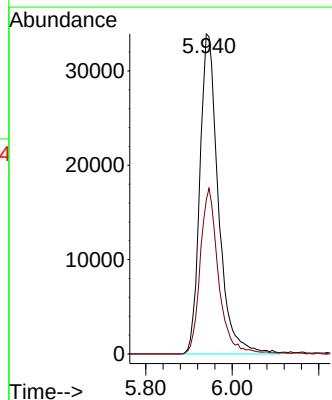
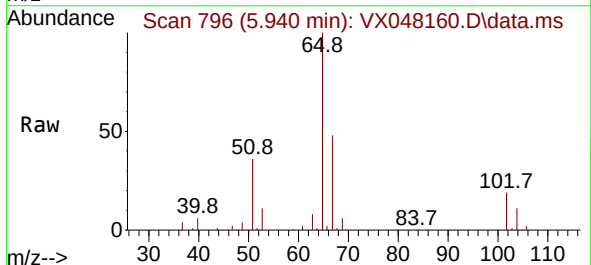


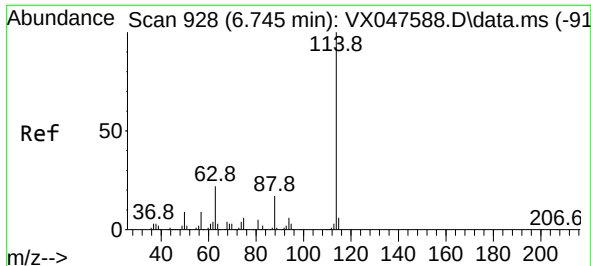
Tgt Ion: 56 Resp: 2824
Ion Ratio Lower Upper
56 100
69 125.3 23.8 35.8#
84 86.4 64.6 97.0



#33
1,2-Dichloroethane-d4
Concen: 54.102 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.000 min
Lab File: VX048160.D
Acq: 14 Oct 2025 13:09

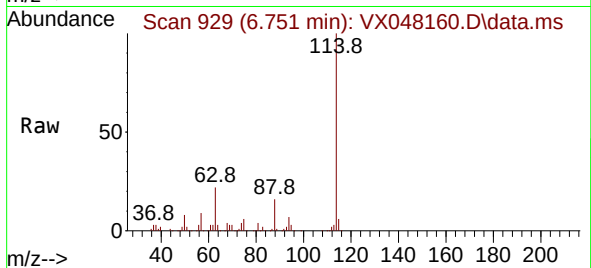
Tgt Ion: 65 Resp: 100879
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.0



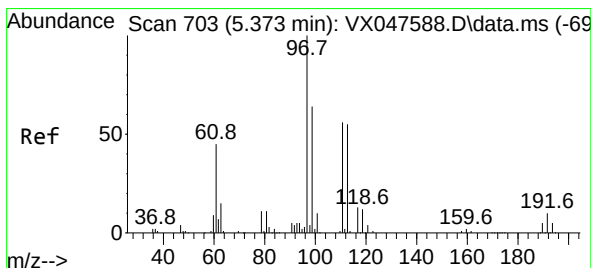
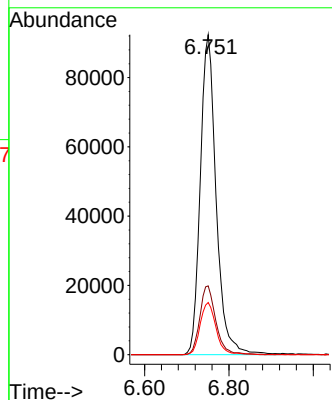
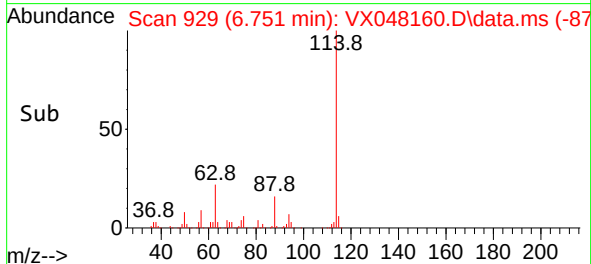


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.751 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX048160.D
Acq: 14 Oct 2025 13:09

Instrument :
MSVOA_X
ClientSampleId :

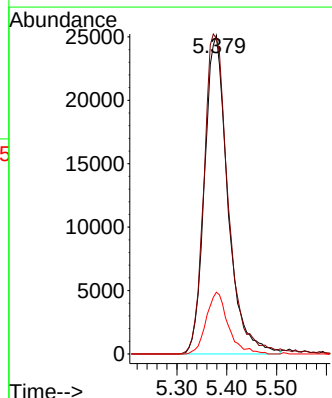
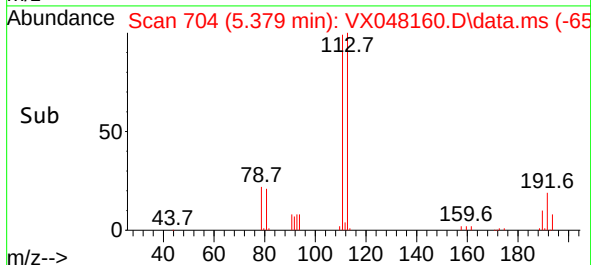
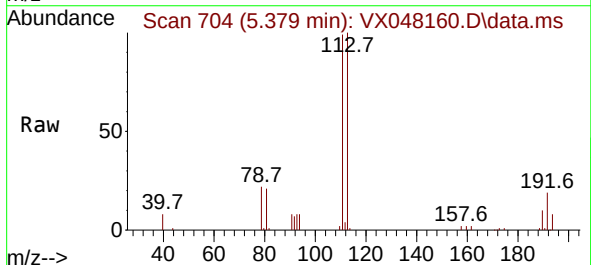


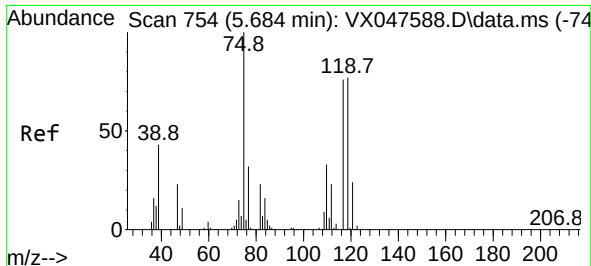
Tgt Ion:114 Resp: 242012
Ion Ratio Lower Upper
114 100
63 21.5 0.0 44.0
88 16.3 0.0 34.2



#35
Dibromofluoromethane
Concen: 50.239 ug/l
RT: 5.379 min Scan# 704
Delta R.T. 0.006 min
Lab File: VX048160.D
Acq: 14 Oct 2025 13:09

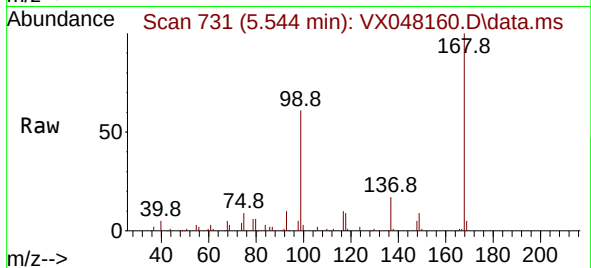
Tgt Ion:113 Resp: 81541
Ion Ratio Lower Upper
113 100
111 104.2 80.9 121.3
192 18.2 14.2 21.4



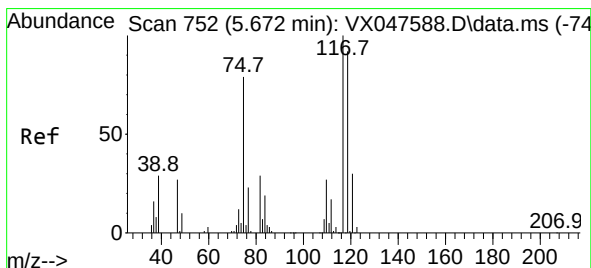
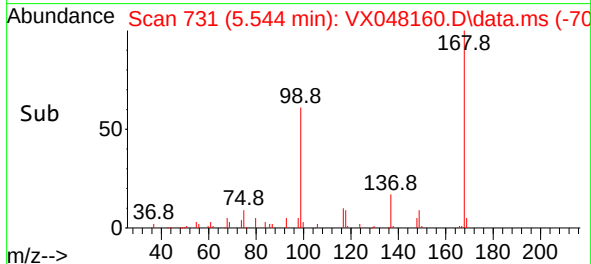
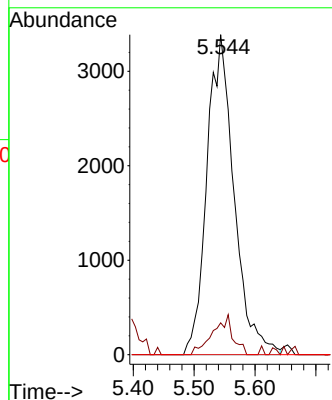


#36
1,1-Dichloropropene
Concen: 4.424 ug/l
RT: 5.544 min Scan# 710
Delta R.T. -0.140 min
Lab File: VX048160.D
Acq: 14 Oct 2025 13:09

Instrument :
MSVOA_X
ClientSampleId :

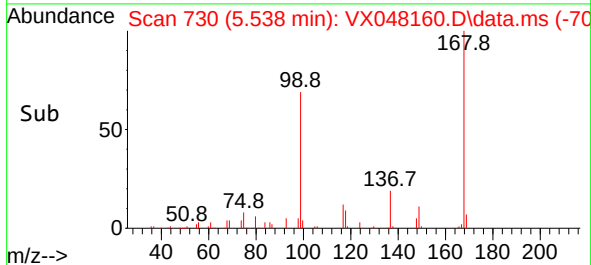
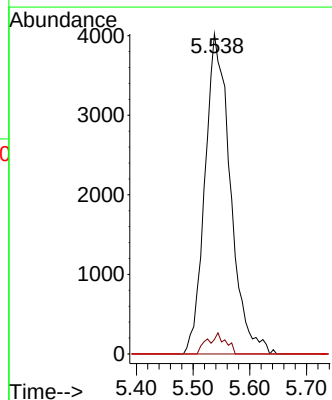
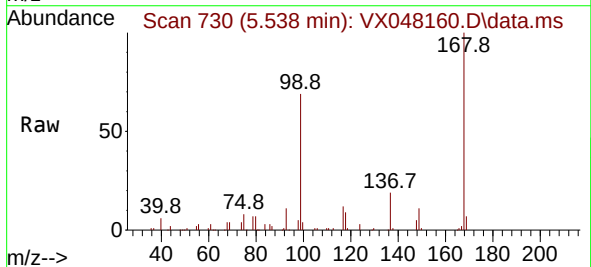


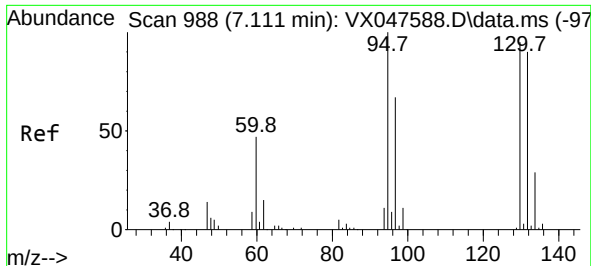
Tgt Ion: 75 Resp: 10493
Ion Ratio Lower Upper
75 100
110 9.2 16.7 50.1#
77 0.0 24.3 36.5#



#38
Carbon Tetrachloride
Concen: 4.858 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.134 min
Lab File: VX048160.D
Acq: 14 Oct 2025 13:09

Tgt Ion: 117 Resp: 12518
Ion Ratio Lower Upper
117 100
119 4.5 73.4 110.2#
121 0.0 23.8 35.6#

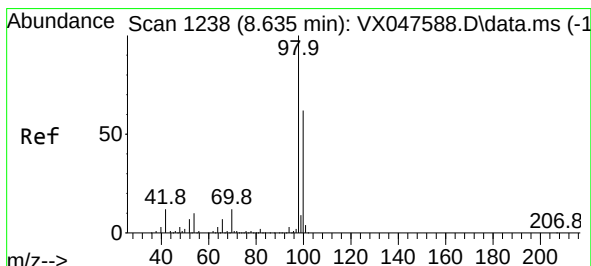
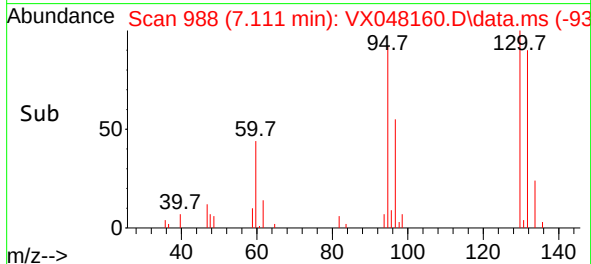
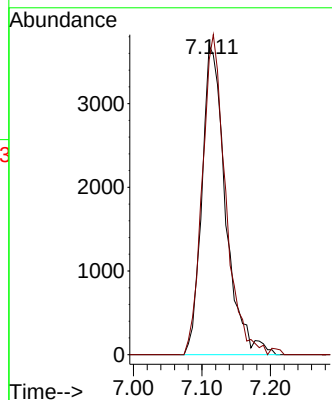
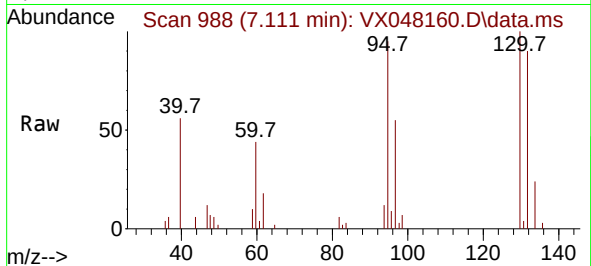




#44
Trichloroethene
Concen: 5.092 ug/l
RT: 7.111 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX048160.D
Acq: 14 Oct 2025 13:09

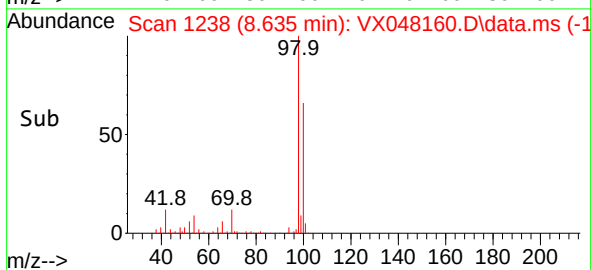
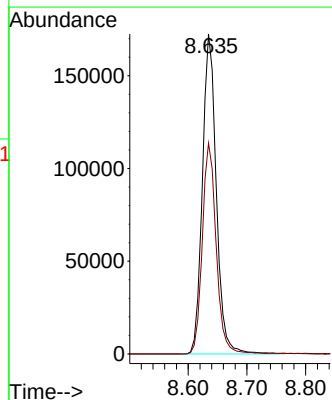
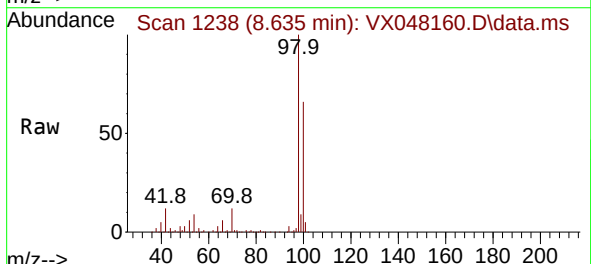
Instrument :
MSVOA_X
ClientSampleId :

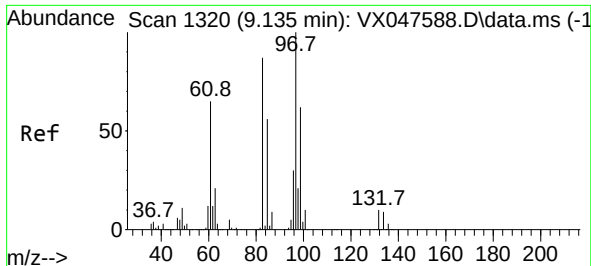
Tgt Ion:130 Resp: 8868
Ion Ratio Lower Upper
130 100
95 104.3 0.0 210.8



#50
Toluene-d8
Concen: 50.610 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048160.D
Acq: 14 Oct 2025 13:09

Tgt Ion: 98 Resp: 284232
Ion Ratio Lower Upper
98 100
100 65.7 53.0 79.4





#55

1,1,2-Trichloroethane

Concen: 0.446 ug/l

RT: 9.256 min Scan# 1340

Delta R.T. 0.122 min

Lab File: VX048160.D

Acq: 14 Oct 2025 13:09

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 97 Resp: 764

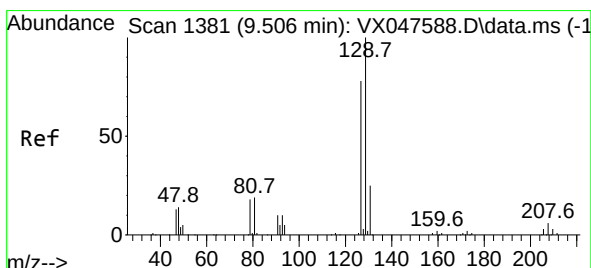
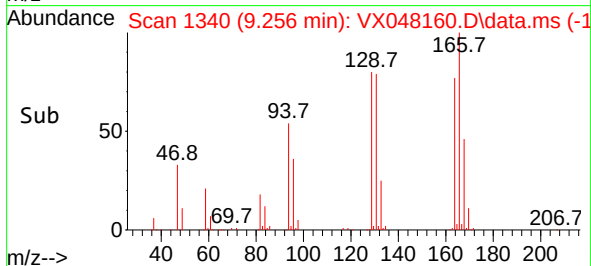
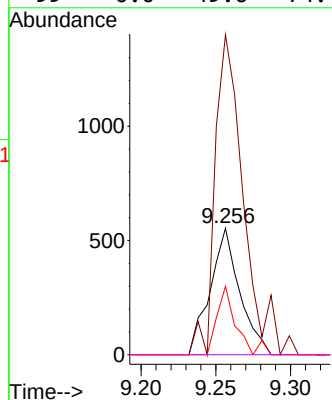
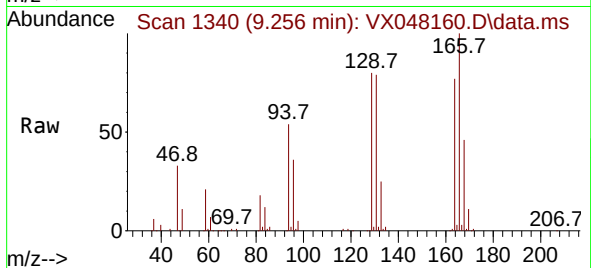
Ion Ratio Lower Upper

97 100

83 252.9 69.6 104.4#

85 54.2 45.0 67.6

99 0.0 49.6 74.4#



#60

Dibromochloromethane

Concen: 36.584 ug/l

RT: 9.256 min Scan# 1340

Delta R.T. -0.250 min

Lab File: VX048160.D

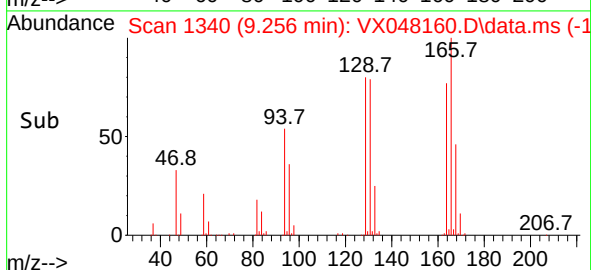
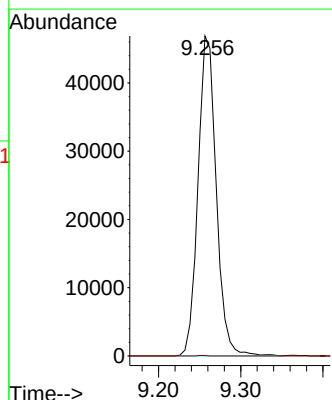
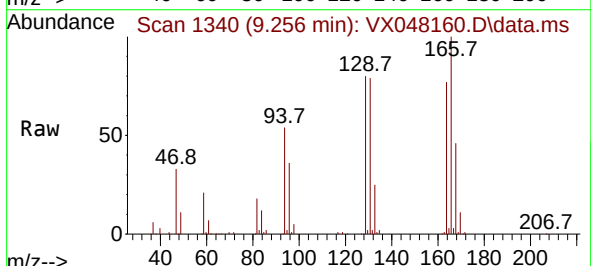
Acq: 14 Oct 2025 13:09

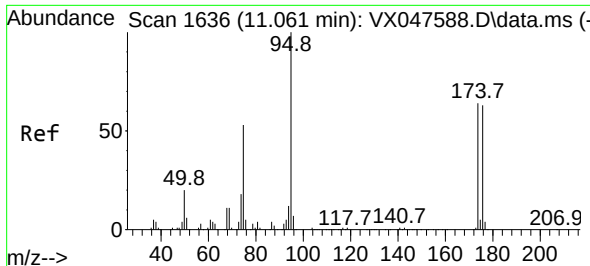
Tgt Ion:129 Resp: 72136

Ion Ratio Lower Upper

129 100

127 0.1 38.4 115.2#

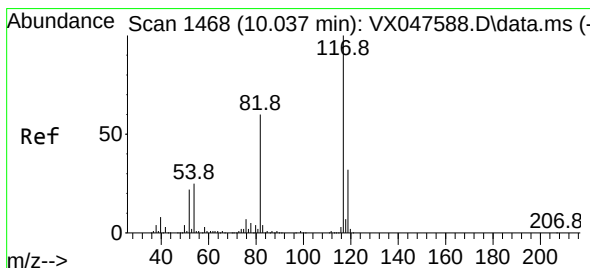
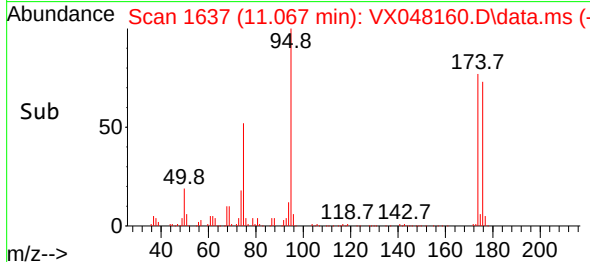
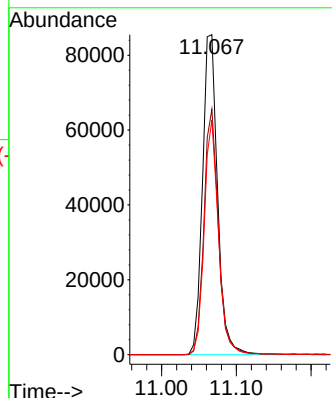
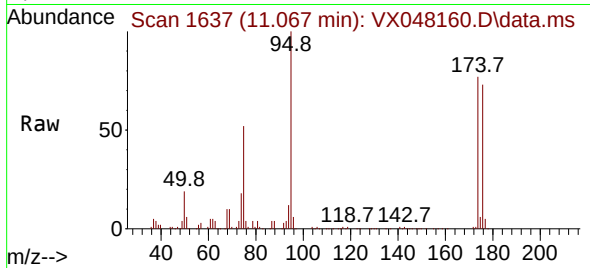




#62
4-Bromofluorobenzene
Concen: 56.317 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX048160.D
Acq: 14 Oct 2025 13:09

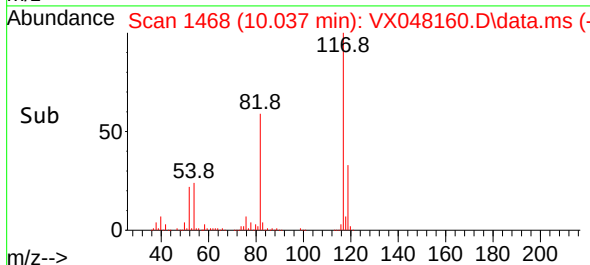
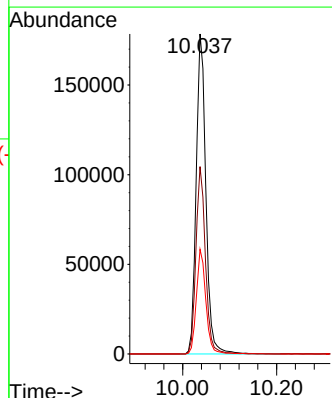
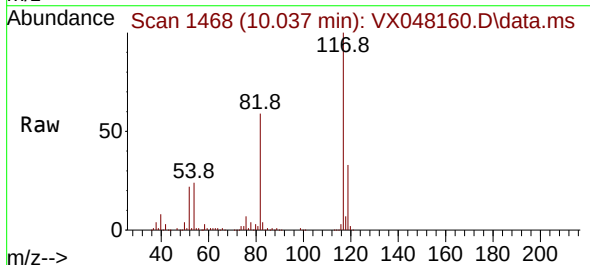
Instrument :
MSVOA_X
ClientSampleId :

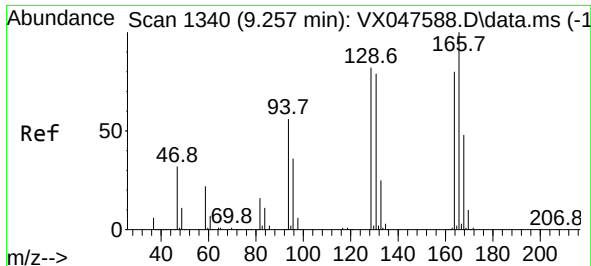
Tgt Ion: 95 Resp: 120036
Ion Ratio Lower Upper
95 100
174 73.4 0.0 141.6
176 69.5 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048160.D
Acq: 14 Oct 2025 13:09

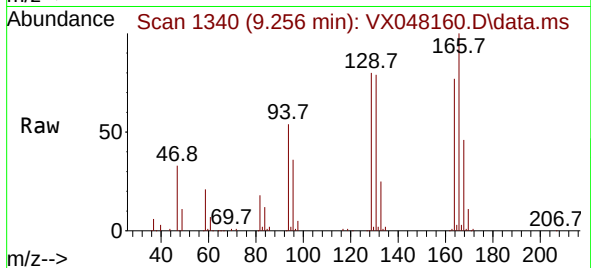
Tgt Ion: 117 Resp: 256907
Ion Ratio Lower Upper
117 100
82 58.6 47.8 71.6
119 32.7 25.2 37.8



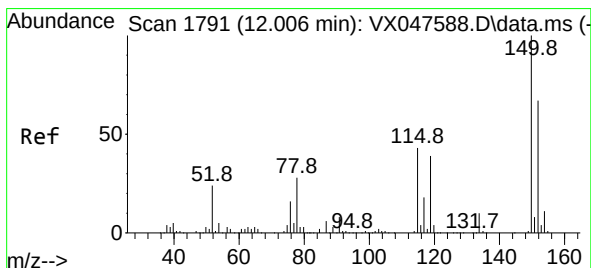
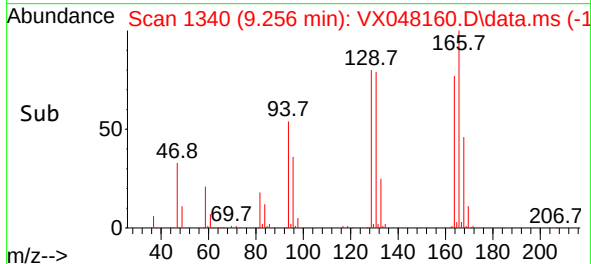
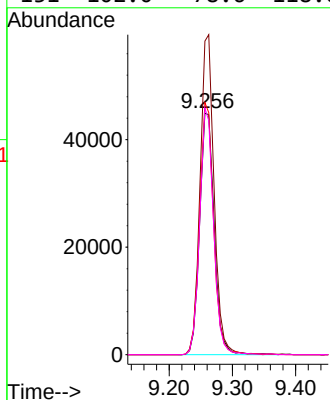


#64
Tetrachloroethene
Concen: 42.905 ug/l
RT: 9.256 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048160.D
Acq: 14 Oct 2025 13:09

Instrument :
MSVOA_X
ClientSampleId :

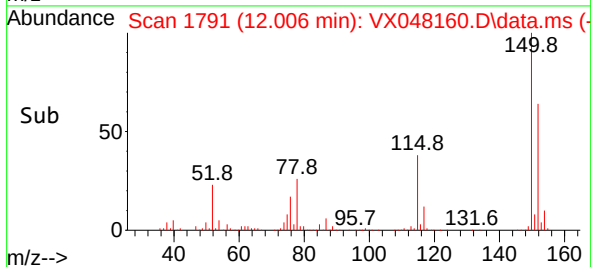
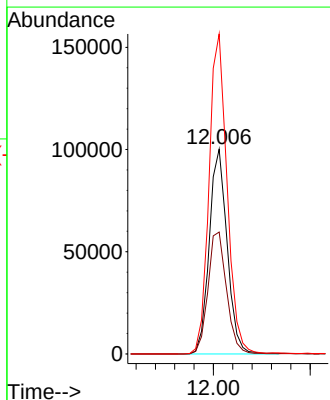
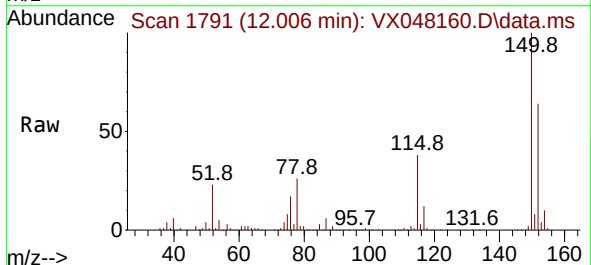


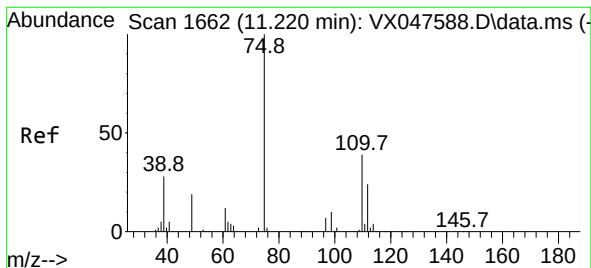
Tgt Ion:	164	Resp:	71855
Ion Ratio	Lower	Upper	
164	100		
166	129.8	100.2	150.2
129	104.3	81.8	122.6
131	102.0	78.6	118.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048160.D
Acq: 14 Oct 2025 13:09

Tgt Ion:	152	Resp:	129216
Ion Ratio	Lower	Upper	
152	100		
115	61.9	44.9	134.5
150	157.5	0.0	352.0





#76

1,2,3-Trichloropropane

Concen: 24.081 ug/l

RT: 11.061 min Scan# 1

Delta R.T. -0.159 min

Lab File: VX048160.D

Acq: 14 Oct 2025 13:09

Instrument :

MSVOA_X

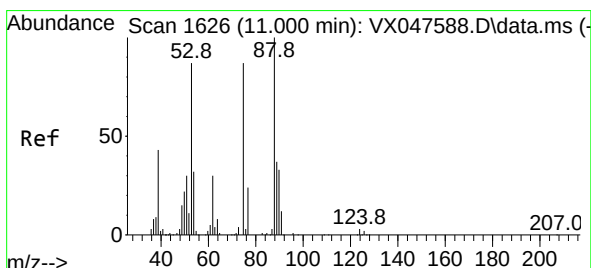
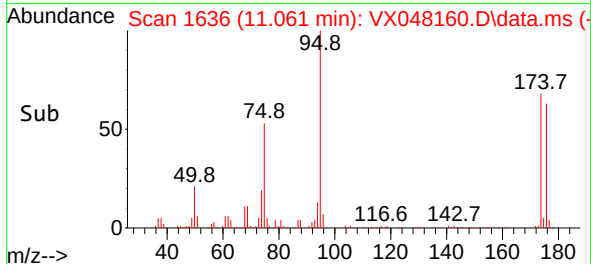
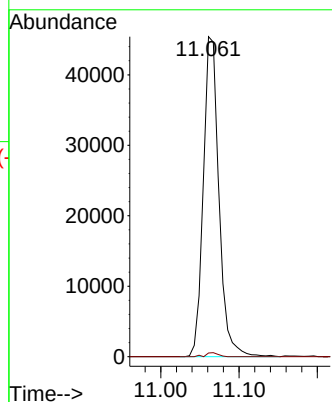
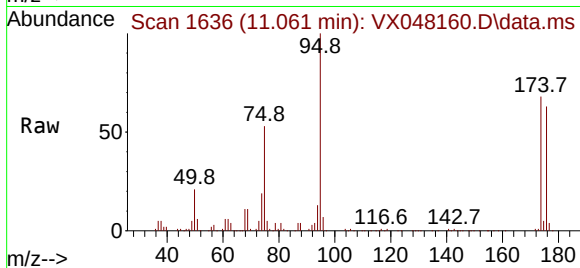
ClientSampleId :

Tgt Ion: 75 Resp: 63001

Ion Ratio Lower Upper

75 100

77 1.0 18.8 56.4#



#81

trans-1,4-Dichloro-2-butene

Concen: 61.410 ug/l

RT: 11.061 min Scan# 1636

Delta R.T. 0.061 min

Lab File: VX048160.D

Acq: 14 Oct 2025 13:09

Tgt Ion: 75 Resp: 63001

Ion Ratio Lower Upper

75 100

53 0.0 83.4 125.2#

89 0.0 36.3 54.5#

