

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100725\
 Data File : VX048038.D
 Acq On : 07 Oct 2025 09:34
 Operator : JC/MD
 Sample : VX1007WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 08 01:20:54 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)

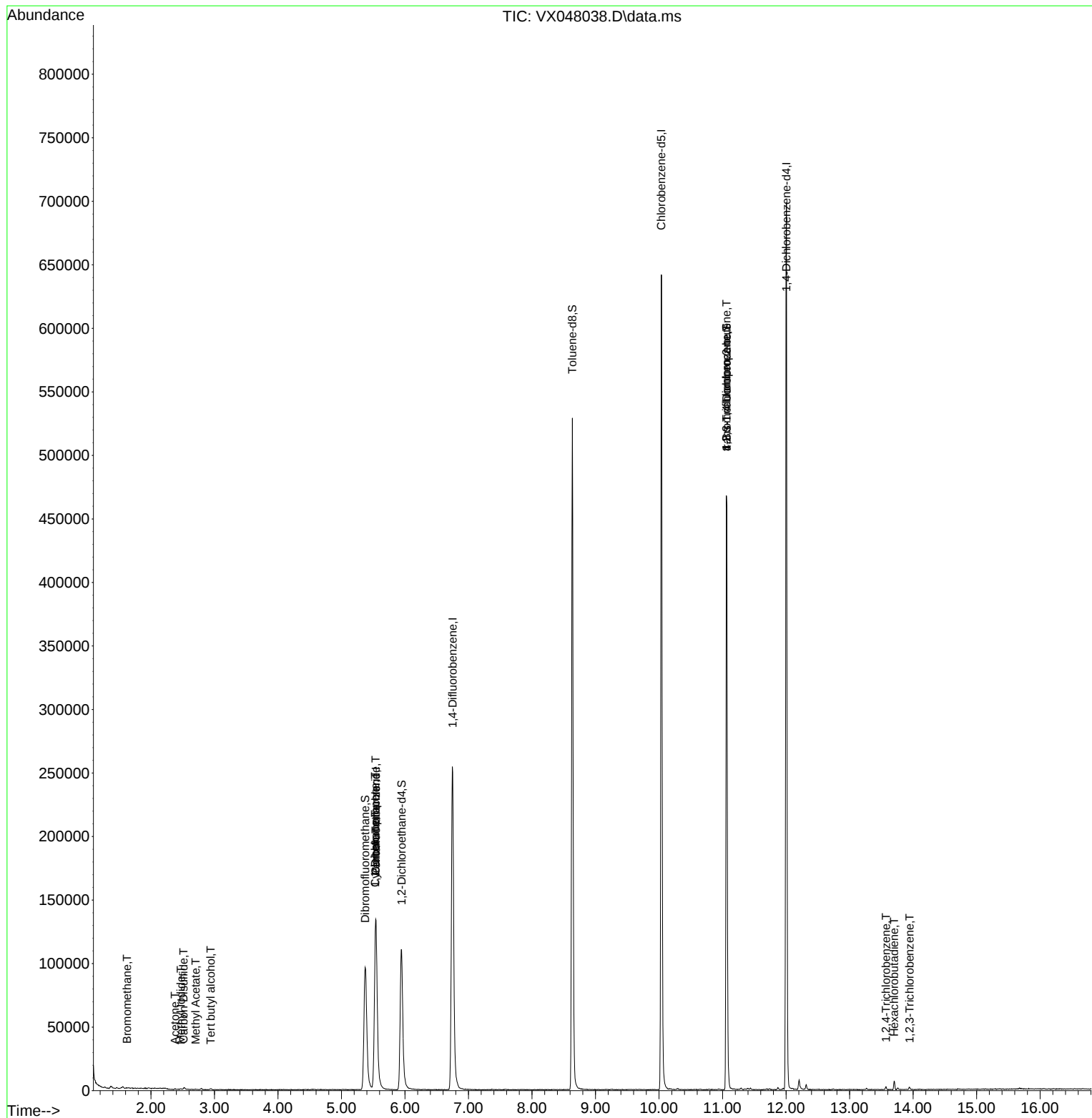
Internal Standards						
1) Pentafluorobenzene	5.544	168	133238	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	276412	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	291549	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	144709	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	121535	57.306	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 114.620%	
35) Dibromofluoromethane	5.373	113	95545	51.541	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 103.080%	
50) Toluene-d8	8.635	98	316128	49.284	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 98.560%	
62) 4-Bromofluorobenzene	11.061	95	138323	56.820	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 113.640%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.624	94	288	0.256	ug/l #	45
10) Methyl Iodide	2.471	142	711	0.296	ug/l #	58
11) Tert butyl alcohol	2.940	59	162	0.686	ug/l #	72
16) Acetone	2.380	43	670	0.727	ug/l #	45
17) Carbon Disulfide	2.514	76	1826	0.421	ug/l #	76
18) Methyl Acetate	2.703	43	485	0.236	ug/l #	64
31) Cyclohexane	5.531	56	3421	1.221	ug/l #	9
36) 1,1-Dichloropropene	5.531	75	11660	4.304	ug/l #	52
38) Carbon Tetrachloride	5.538	117	14126	4.800	ug/l #	18
76) 1,2,3-Trichloropropane	11.061	75	71876	24.532	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	71876	62.560	ug/l #	8
93) 1,2,4-Trichlorobenzene	13.573	180	731	0.235	ug/l	98
94) Hexachlorobutadiene	13.701	225	986	0.932	ug/l	95
96) 1,2,3-Trichlorobenzene	13.945	180	582	0.201	ug/l	83

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

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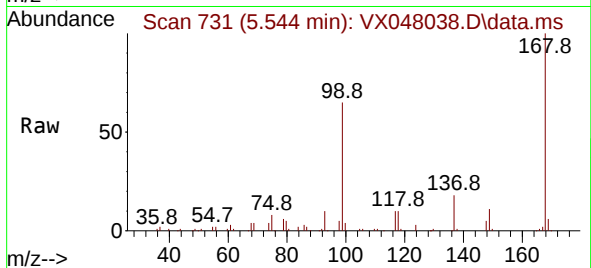
Quant Time: Oct 08 01:20:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
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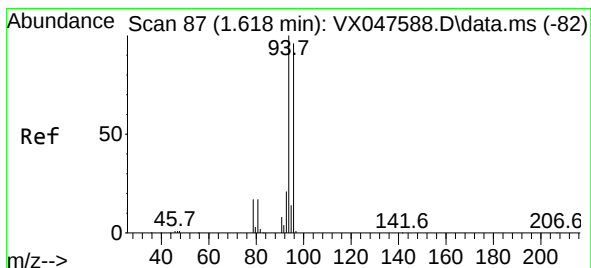
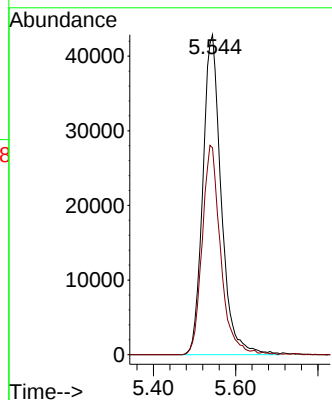
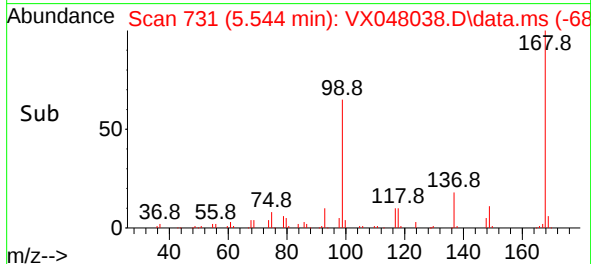


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

Instrument :
MSVOA_X
ClientSampleId :

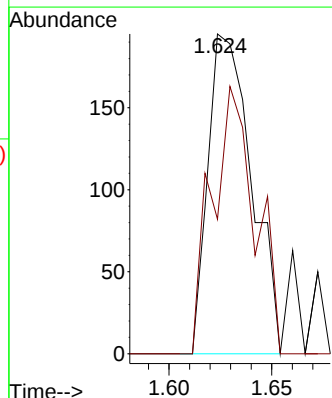
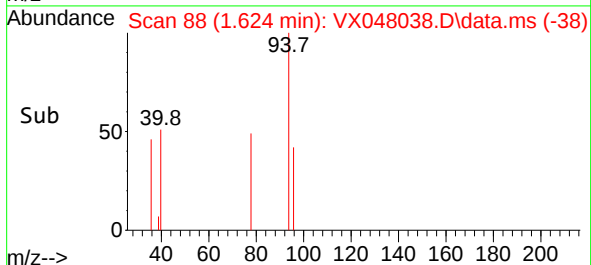
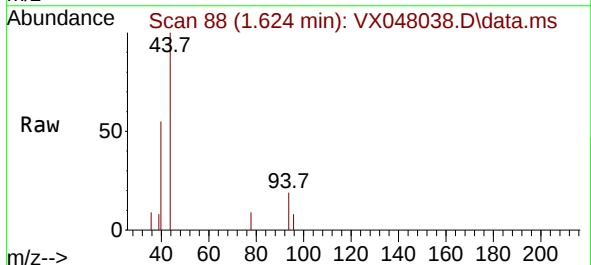


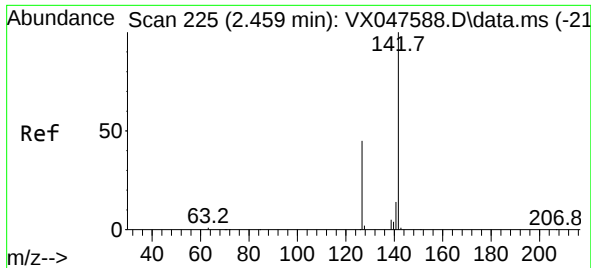
Tgt Ion:168 Resp: 133238
Ion Ratio Lower Upper
168 100
99 64.6 48.8 73.2



#5
Bromomethane
Concen: 0.256 ug/l
RT: 1.624 min Scan# 88
Delta R.T. 0.006 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

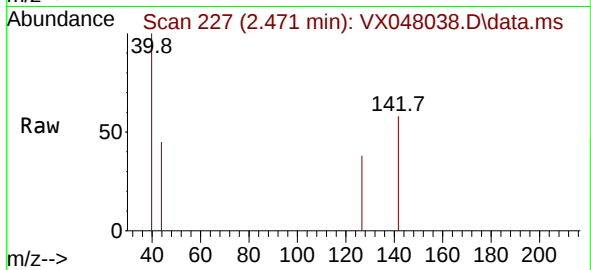
Tgt Ion: 94 Resp: 288
Ion Ratio Lower Upper
94 100
96 42.1 76.6 115.0#



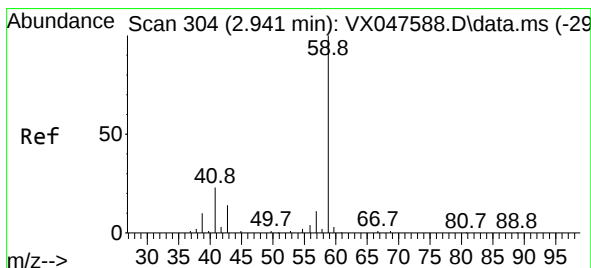
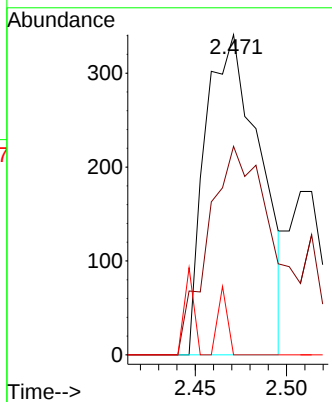
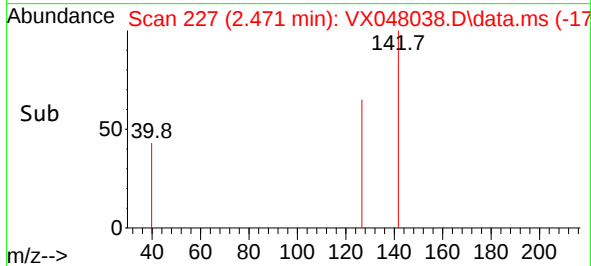


#10
Methyl Iodide
Concen: 0.296 ug/l
RT: 2.471 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

Instrument :
MSVOA_X
ClientSampleId :

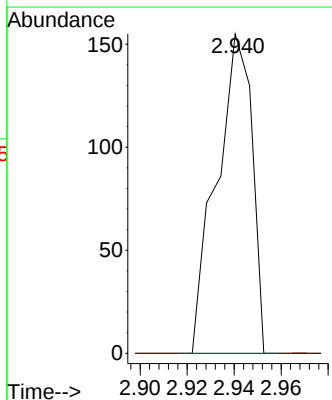
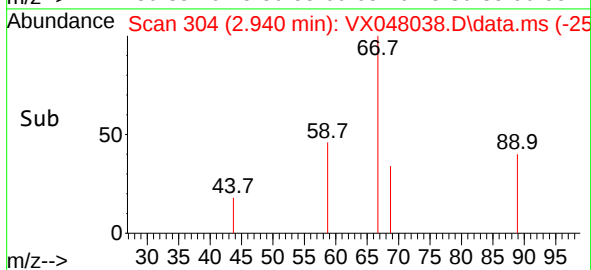
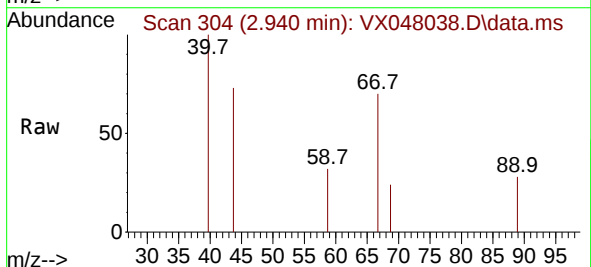


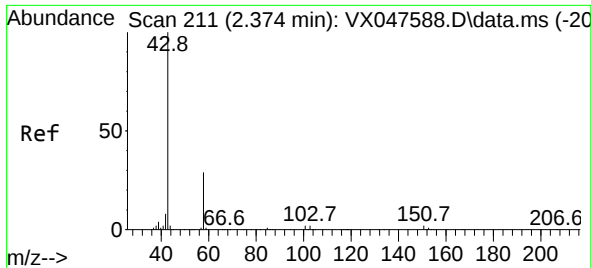
Tgt Ion:142 Resp: 711
Ion Ratio Lower Upper
142 100
127 77.5 37.2 55.8#
141 3.8 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.686 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.000 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

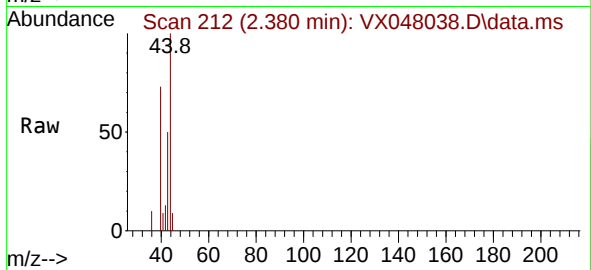
Tgt Ion: 59 Resp: 162
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



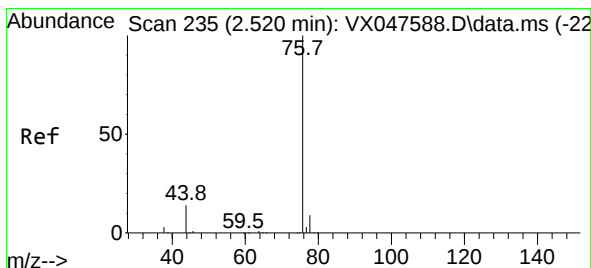
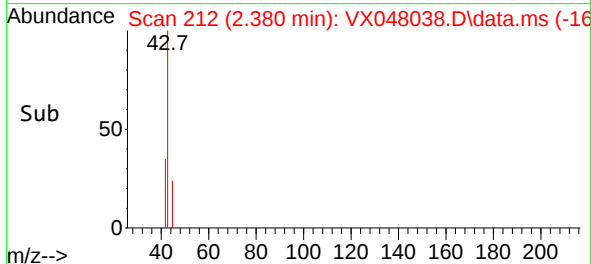
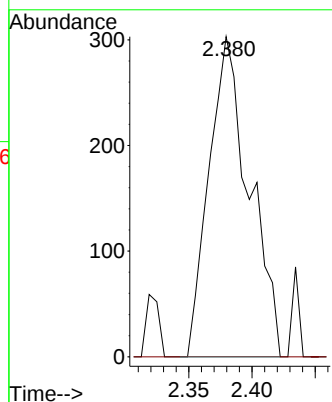


#16
Acetone
Concen: 0.727 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

Instrument :
MSVOA_X
ClientSampleId :

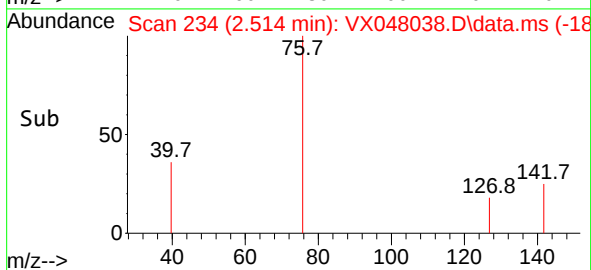
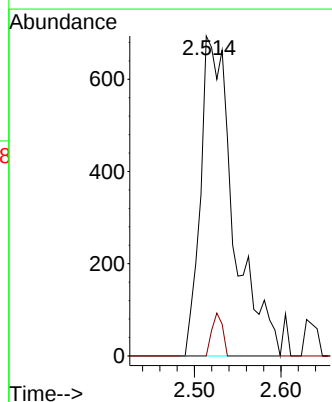
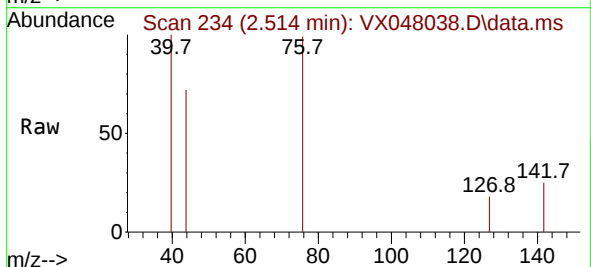


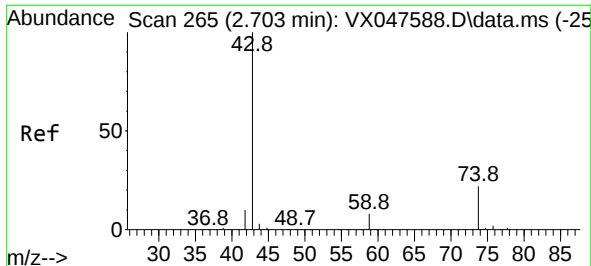
Tgt Ion: 43 Resp: 670
Ion Ratio Lower Upper
43 100
58 0.0 23.4 35.0#



#17
Carbon Disulfide
Concen: 0.421 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.006 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

Tgt Ion: 76 Resp: 1826
Ion Ratio Lower Upper
76 100
78 0.0 6.8 10.2#





#18

Methyl Acetate

Concen: 0.236 ug/l

RT: 2.703 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX048038.D

Acq: 07 Oct 2025 09:34

Instrument :

MSVOA_X

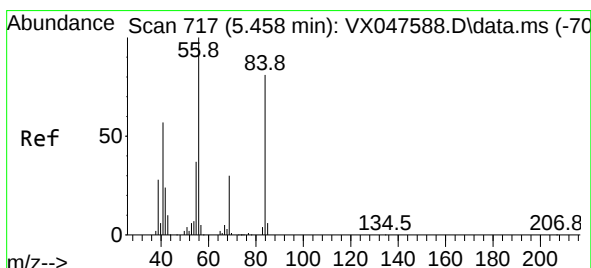
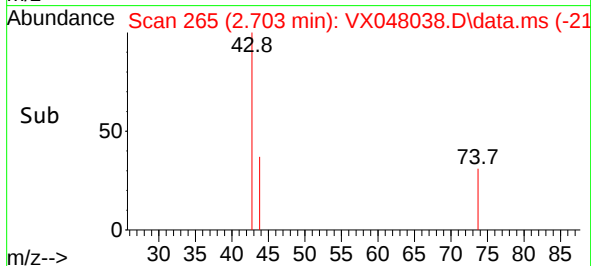
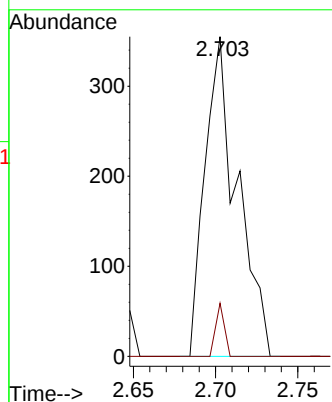
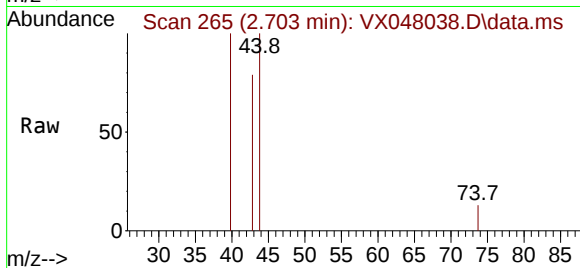
ClientSampleId :

Tgt Ion: 43 Resp: 485

Ion Ratio Lower Upper

43 100

74 4.5 17.4 26.2#



#31

Cyclohexane

Concen: 1.221 ug/l

RT: 5.531 min Scan# 729

Delta R.T. 0.073 min

Lab File: VX048038.D

Acq: 07 Oct 2025 09:34

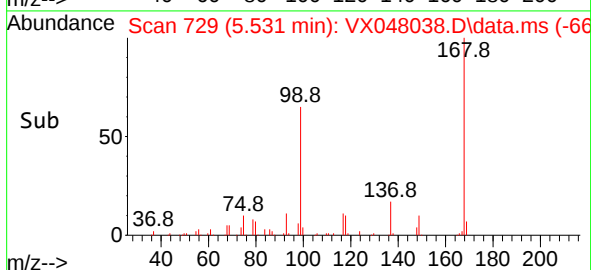
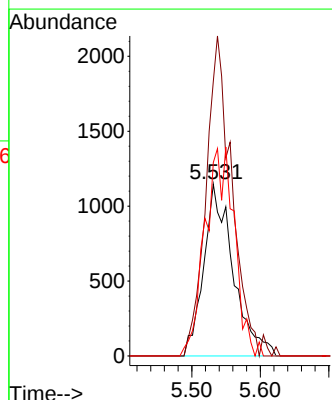
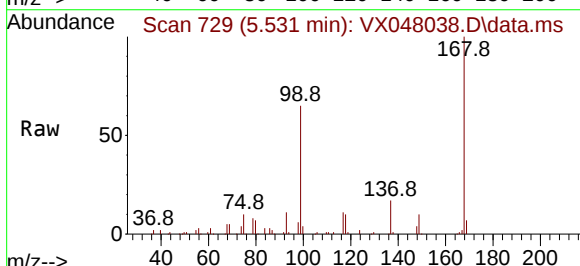
Tgt Ion: 56 Resp: 3421

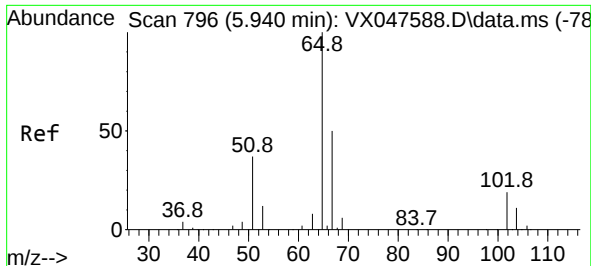
Ion Ratio Lower Upper

56 100

69 159.9 23.8 35.8#

84 112.6 64.6 97.0#





#33

1,2-Dichloroethane-d4

Concen: 57.306 ug/l

RT: 5.946 min Scan# 796

Delta R.T. 0.006 min

Lab File: VX048038.D

Acq: 07 Oct 2025 09:34

Instrument :

MSVOA_X

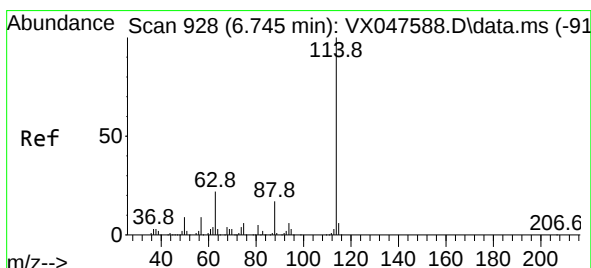
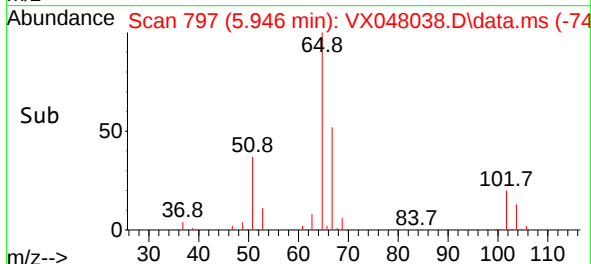
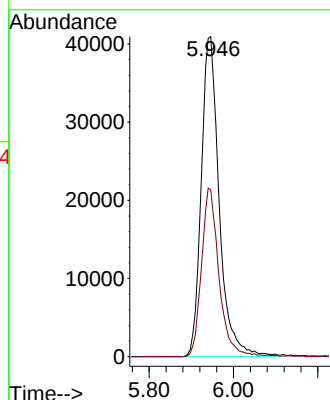
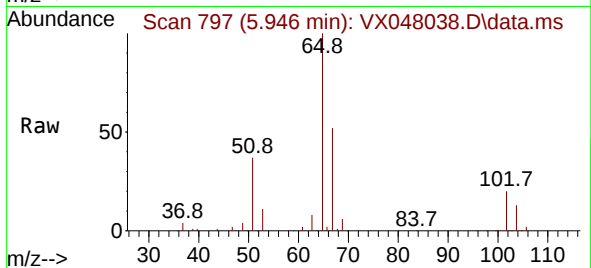
ClientSampleId :

Tgt Ion: 65 Resp: 121535

Ion Ratio Lower Upper

65 100

67 51.2 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: VX048038.D

Acq: 07 Oct 2025 09:34

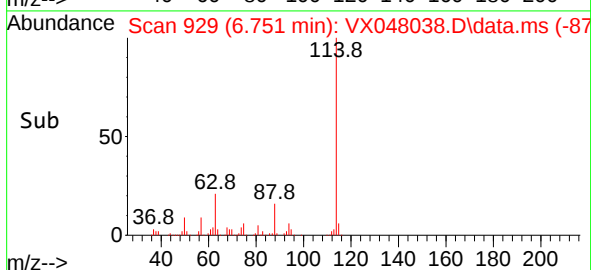
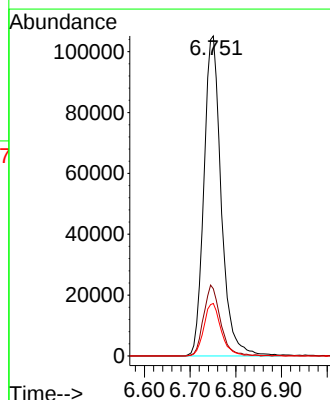
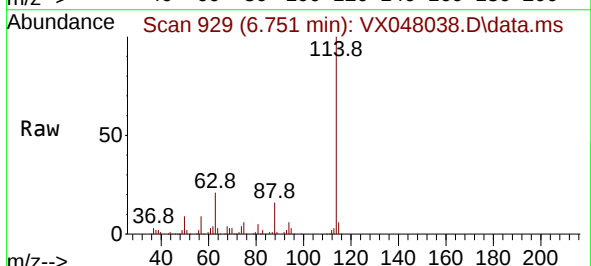
Tgt Ion: 114 Resp: 276412

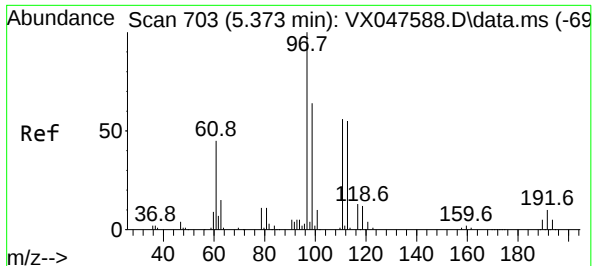
Ion Ratio Lower Upper

114 100

63 21.0 0.0 44.0

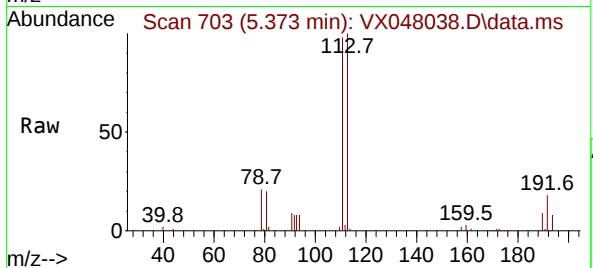
88 16.4 0.0 34.2



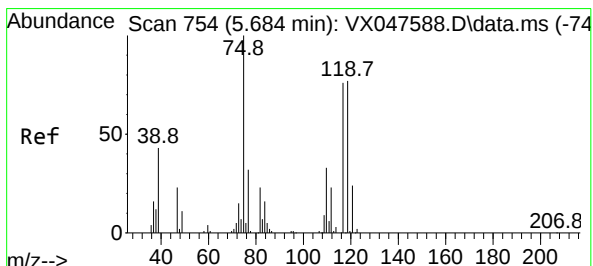
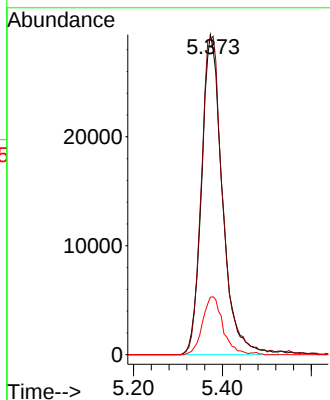
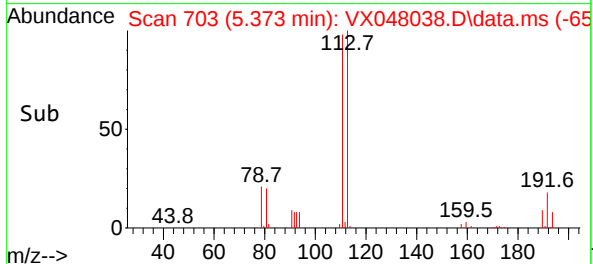


#35
Dibromofluoromethane
Concen: 51.541 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

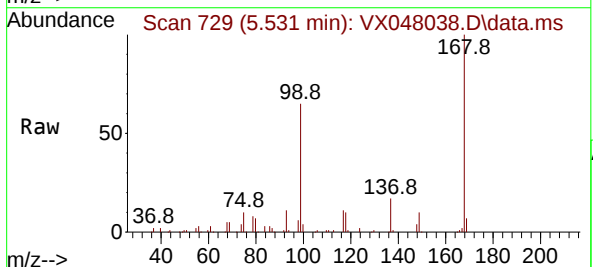
Instrument :
MSVOA_X
ClientSampleId :



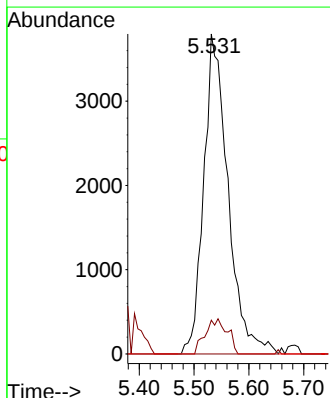
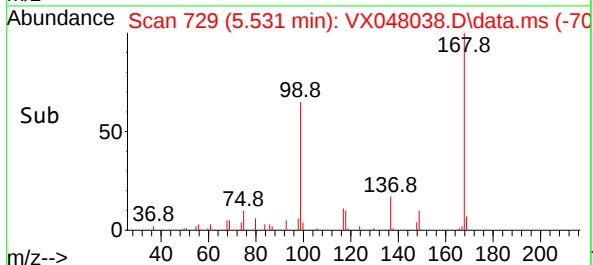
Tgt Ion:113 Resp: 95545
Ion Ratio Lower Upper
113 100
111 101.6 80.9 121.3
192 17.7 14.2 21.4

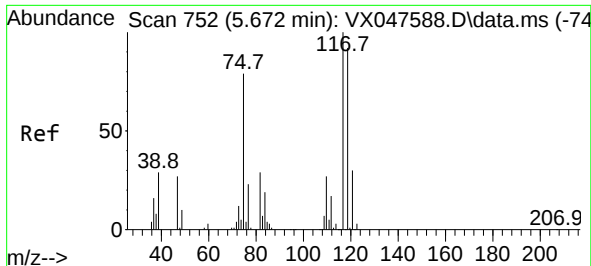


#36
1,1-Dichloropropene
Concen: 4.304 ug/l
RT: 5.531 min Scan# 729
Delta R.T. -0.153 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34



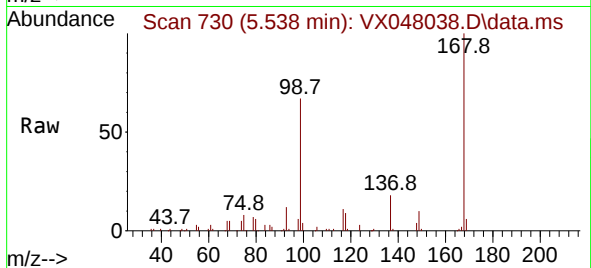
Tgt Ion: 75 Resp: 11660
Ion Ratio Lower Upper
75 100
110 10.0 16.7 50.1#
77 0.0 24.3 36.5#



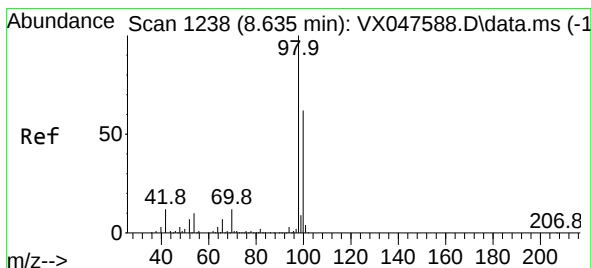
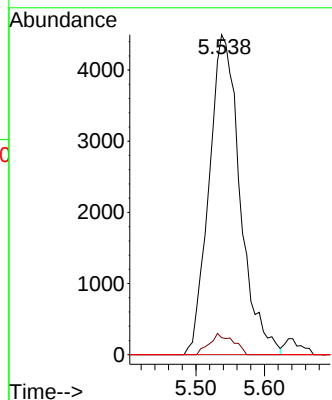
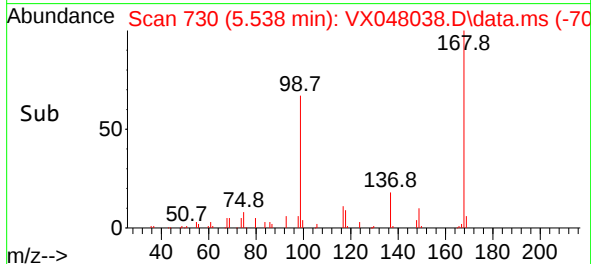


#38
Carbon Tetrachloride
Concen: 4.800 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

Instrument :
MSVOA_X
ClientSampleId :

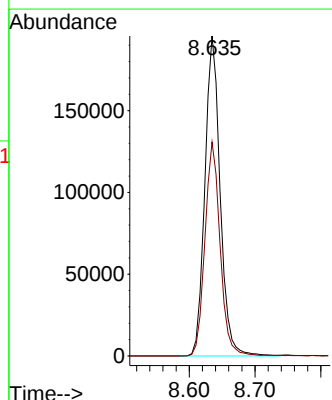
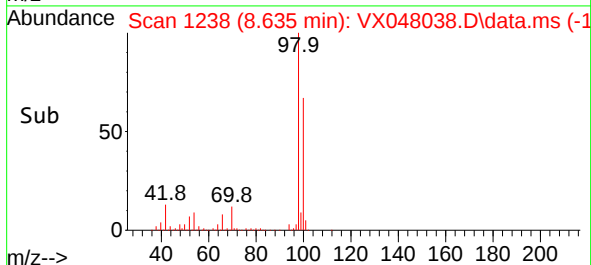
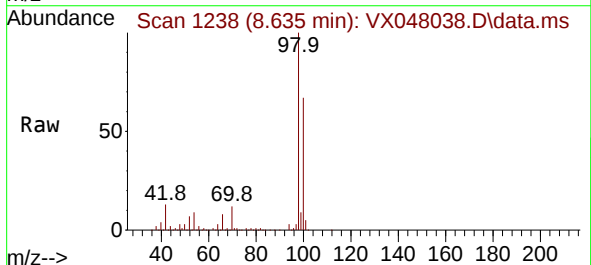


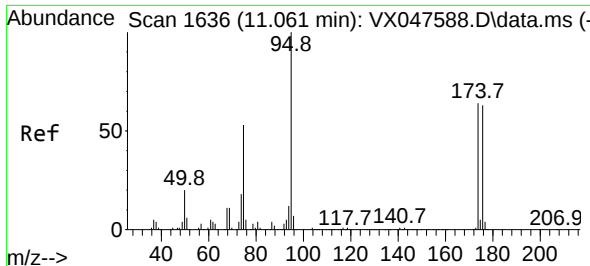
Tgt Ion:117 Resp: 14126
Ion Ratio Lower Upper
117 100
119 5.3 73.4 110.2#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 49.284 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

Tgt Ion: 98 Resp: 316128
Ion Ratio Lower Upper
98 100
100 66.7 53.0 79.4

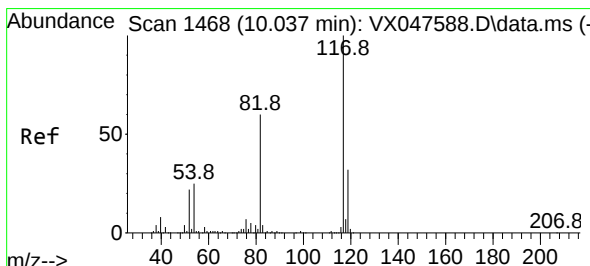
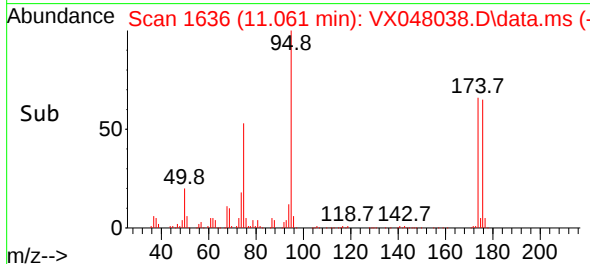
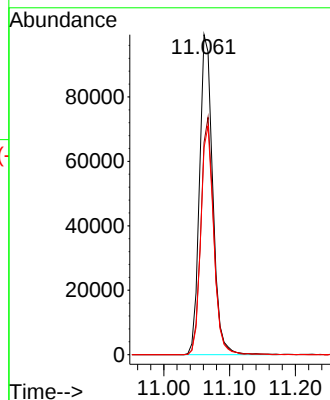
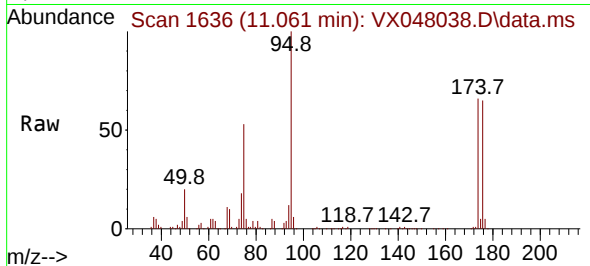




#62
4-Bromofluorobenzene
Concen: 56.820 ug/l
RT: 11.061 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

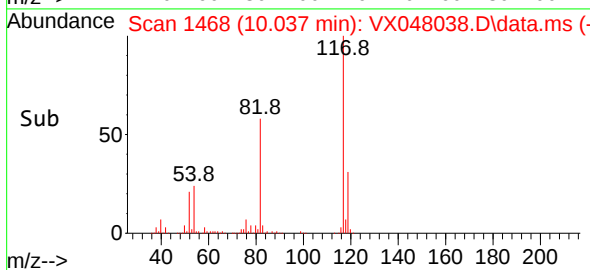
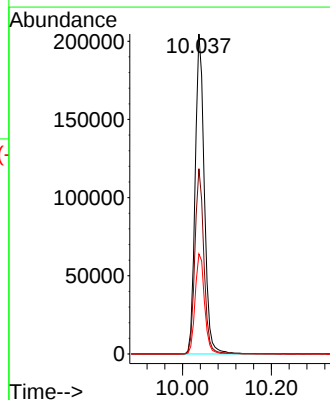
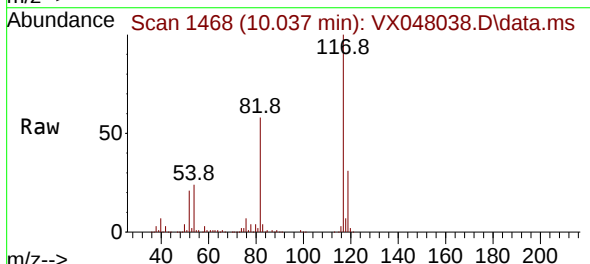
Instrument :
MSVOA_X
ClientSampleId :

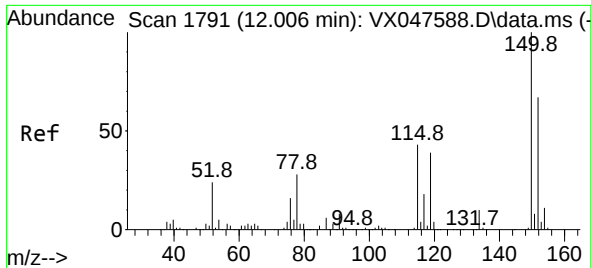
Tgt Ion: 95 Resp: 138323
Ion Ratio Lower Upper
95 100
174 72.8 0.0 141.6
176 70.1 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

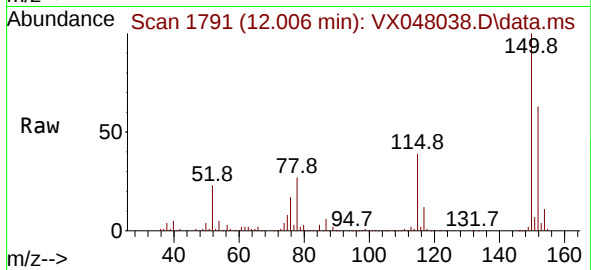
Tgt Ion: 117 Resp: 291549
Ion Ratio Lower Upper
117 100
82 57.9 47.8 71.6
119 31.3 25.2 37.8



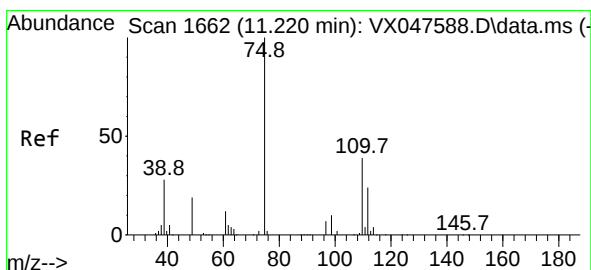
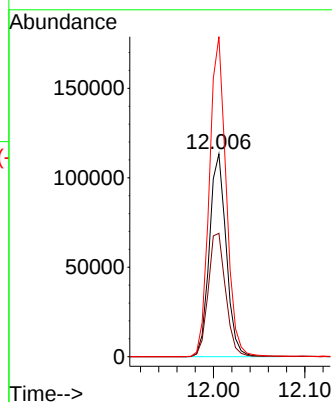
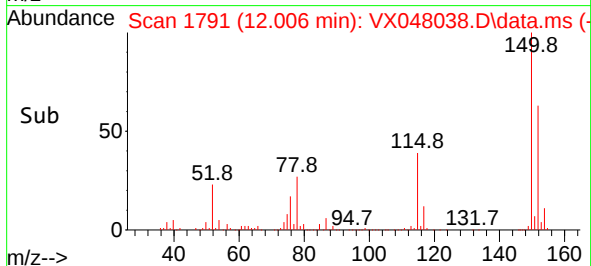


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

Instrument :
MSVOA_X
ClientSampleId :

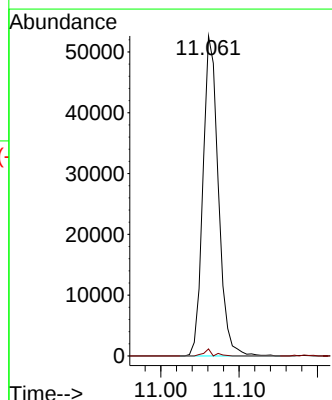
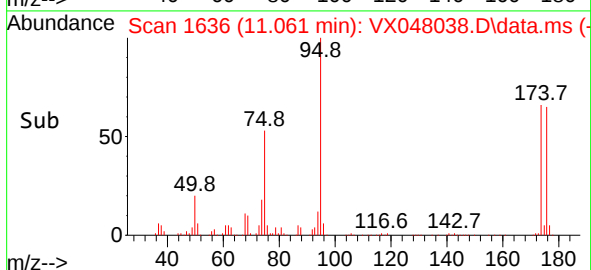
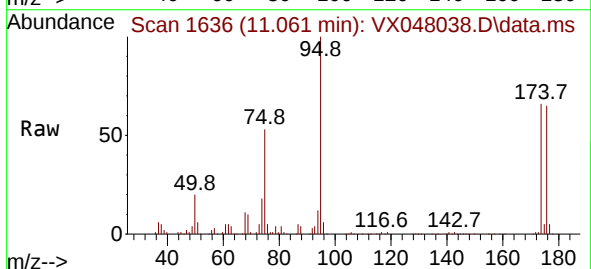


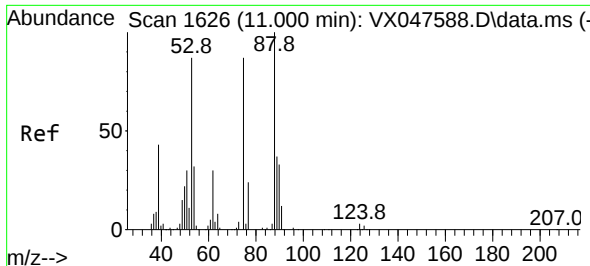
Tgt Ion:152 Resp: 144709
Ion Ratio Lower Upper
152 100
115 63.2 44.9 134.5
150 157.5 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 24.532 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX048038.D
Acq: 07 Oct 2025 09:34

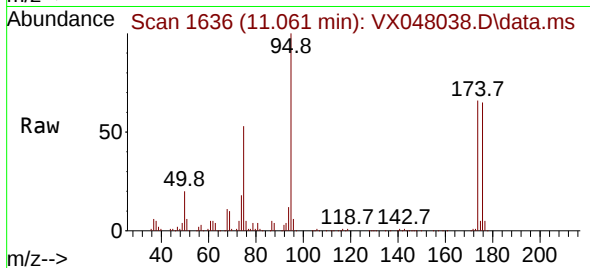
Tgt Ion: 75 Resp: 71876
Ion Ratio Lower Upper
75 100
77 1.3 18.8 56.4#



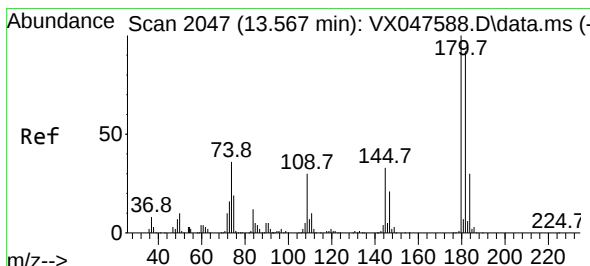
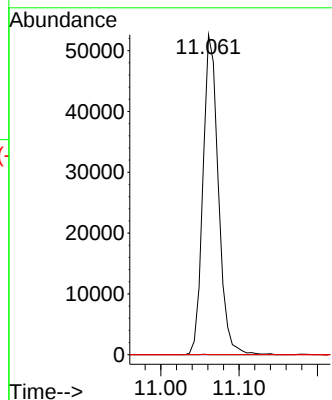
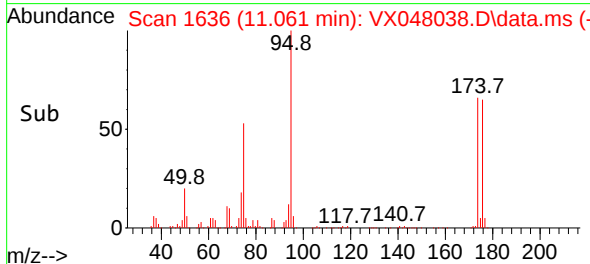


#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.560 ug/l
 RT: 11.061 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX048038.D
 Acq: 07 Oct 2025 09:34

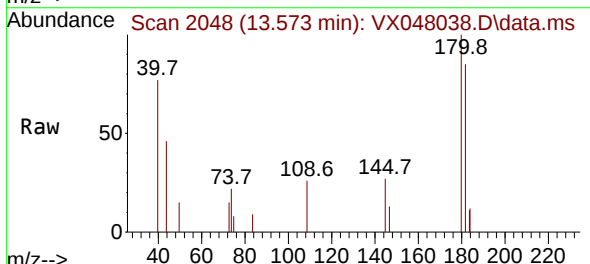
Instrument :
 MSVOA_X
 ClientSampleId :



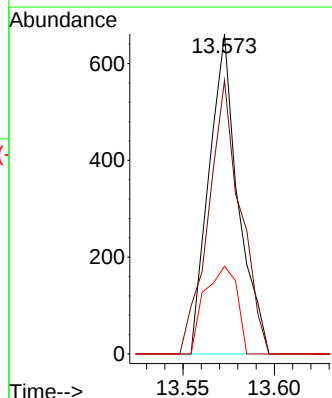
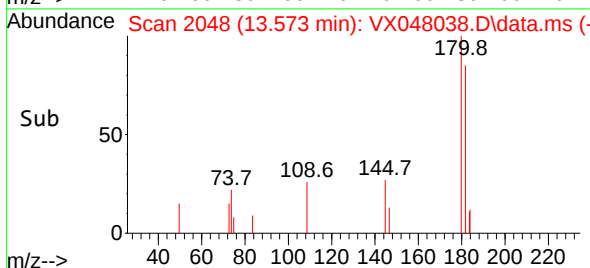
Tgt Ion: 75 Resp: 71876
 Ion Ratio Lower Upper
 75 100
 53 0.0 83.4 125.2#
 89 0.0 36.3 54.5#

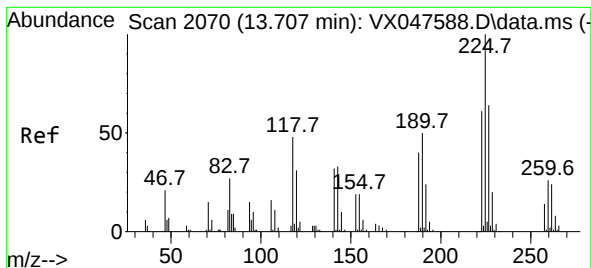


#93
 1,2,4-Trichlorobenzene
 Concen: 0.235 ug/l
 RT: 13.573 min Scan# 2048
 Delta R.T. 0.006 min
 Lab File: VX048038.D
 Acq: 07 Oct 2025 09:34



Tgt Ion: 180 Resp: 731
 Ion Ratio Lower Upper
 180 100
 182 94.3 46.6 139.8
 145 30.2 16.4 49.1





#94

Hexachlorobutadiene

Concen: 0.932 ug/l

RT: 13.701 min Scan# 2070

Delta R.T. -0.006 min

Lab File: VX048038.D

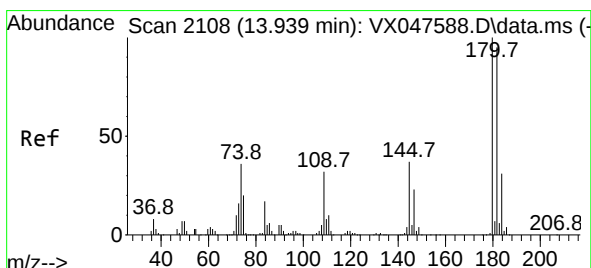
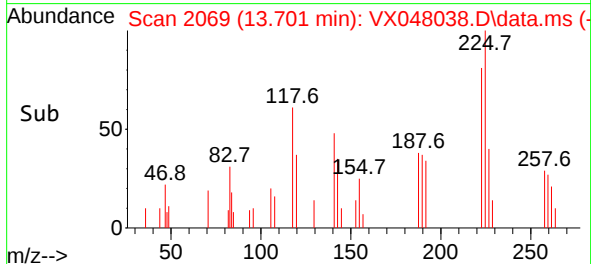
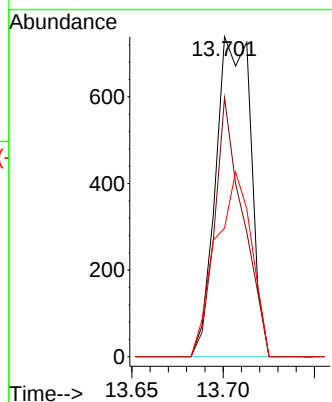
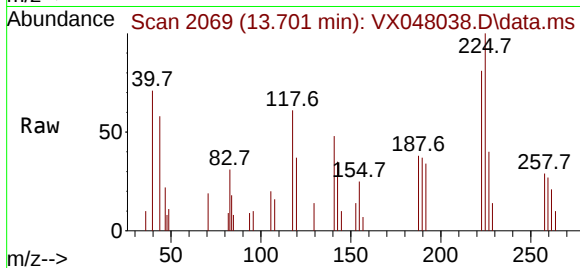
Acq: 07 Oct 2025 09:34

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:	225	Resp:	986
Ion Ratio	Lower	Upper	
225	100		
223	65.3	31.7	95.1
227	58.8	32.0	96.0



#96

1,2,3-Trichlorobenzene

Concen: 0.201 ug/l

RT: 13.945 min Scan# 2109

Delta R.T. 0.006 min

Lab File: VX048038.D

Acq: 07 Oct 2025 09:34

Tgt Ion:	180	Resp:	582
Ion Ratio	Lower	Upper	
180	100		
182	108.4	47.6	142.8
145	20.3	17.9	53.7

