

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100325\
 Data File : VX047983.D
 Acq On : 03 Oct 2025 10:16
 Operator : JC/MD
 Sample : VX1003WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1003WBL01

Quant Time: Oct 03 23:42:47 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)

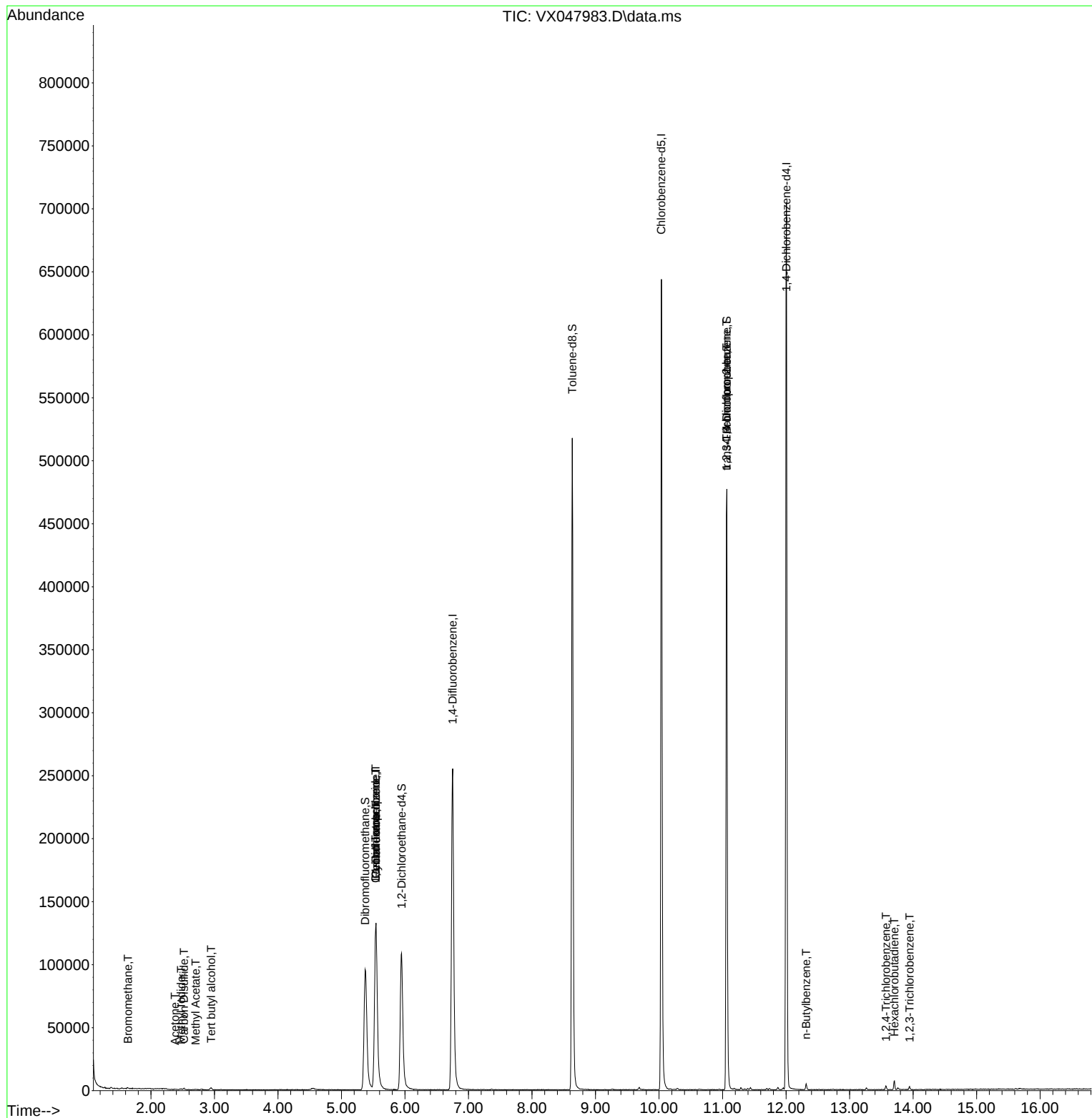
Internal Standards						
1) Pentafluorobenzene	5.544	168	132031	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	278145	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	290715	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	147497	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	118862	56.558	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.120%			
35) Dibromofluoromethane	5.373	113	95126	50.995	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.000%			
50) Toluene-d8	8.634	98	318678	49.372	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.740%			
62) 4-Bromofluorobenzene	11.067	95	139510	56.951	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.900%			
Target Compounds					Qvalue	
5) Bromomethane	1.636	94	355	0.318	ug/l	97
10) Methyl Iodide	2.477	142	958	0.402	ug/l #	57
11) Tert butyl alcohol	2.946	59	712	3.042	ug/l #	72
16) Acetone	2.380	43	423	0.463	ug/l #	45
17) Carbon Disulfide	2.520	76	916	0.213	ug/l #	95
18) Methyl Acetate	2.703	43	478	0.235	ug/l #	63
31) Cyclohexane	5.544	56	2886	1.039	ug/l #	5
36) 1,1-Dichloropropene	5.537	75	11327	4.156	ug/l #	47
38) Carbon Tetrachloride	5.537	117	13776	4.652	ug/l #	18
76) 1,2,3-Trichloropropane	11.061	75	71986	24.105	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.061	75	71986	61.471	ug/l #	8
89) n-Butylbenzene	12.317	91	1977	0.225	ug/l	92
93) 1,2,4-Trichlorobenzene	13.573	180	1034	0.326	ug/l	95
94) Hexachlorobutadiene	13.707	225	1006	0.932	ug/l	92
96) 1,2,3-Trichlorobenzene	13.945	180	730	0.247	ug/l	87

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

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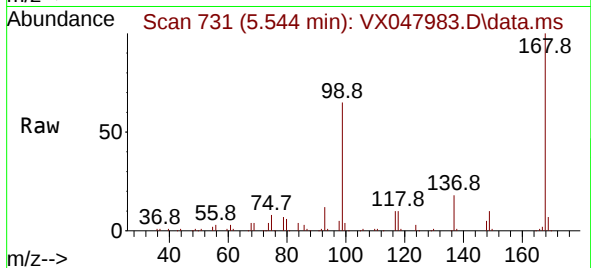
Quant Time: Oct 03 23:42:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



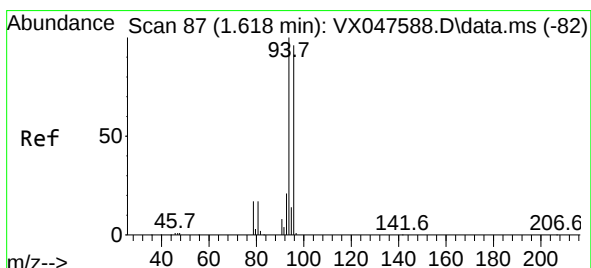
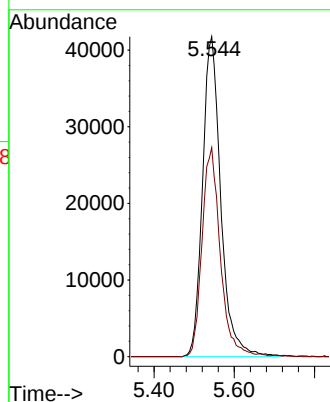
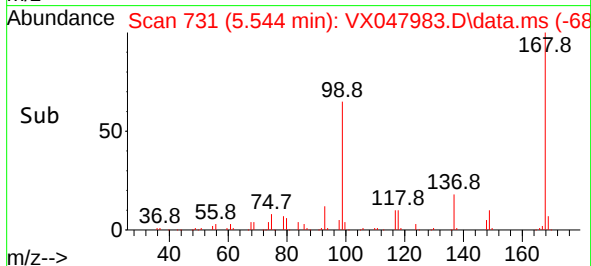


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

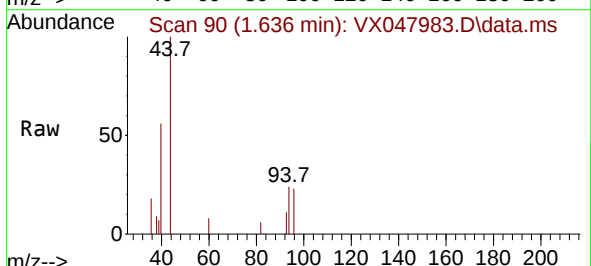
Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01



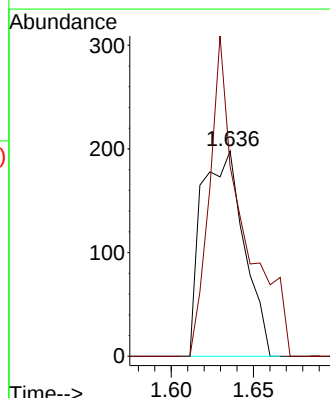
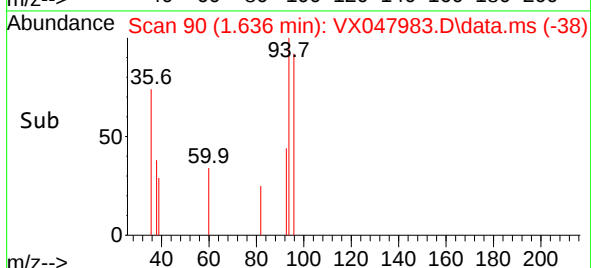
Tgt Ion:168 Resp: 132031
Ion Ratio Lower Upper
168 100
99 65.3 48.8 73.2

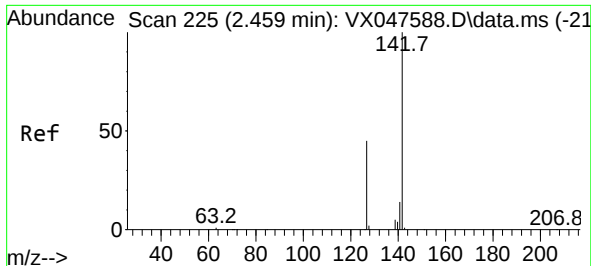


#5
Bromomethane
Concen: 0.318 ug/l
RT: 1.636 min Scan# 90
Delta R.T. 0.018 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16



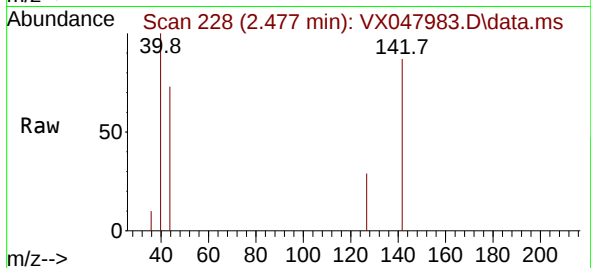
Tgt Ion: 94 Resp: 355
Ion Ratio Lower Upper
94 100
96 92.4 76.6 115.0



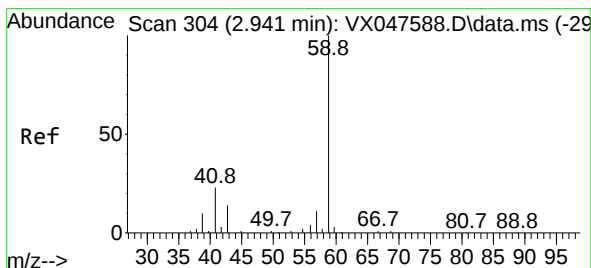
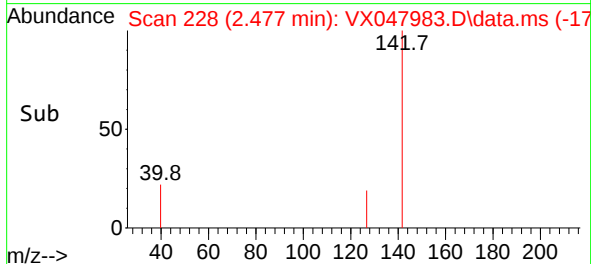
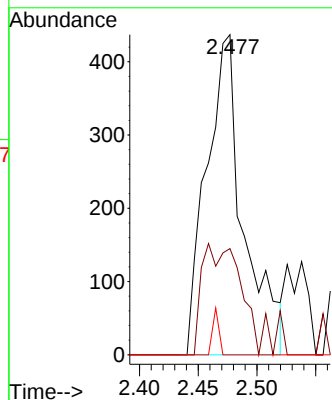


#10
Methyl Iodide
Concen: 0.402 ug/l
RT: 2.477 min Scan# 21
Delta R.T. 0.018 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01

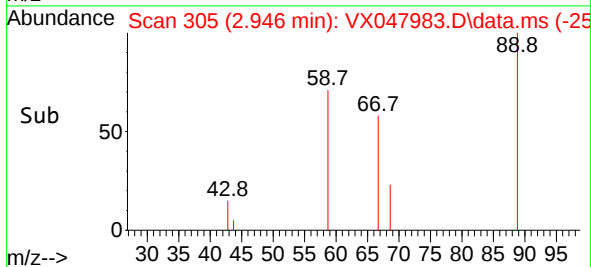
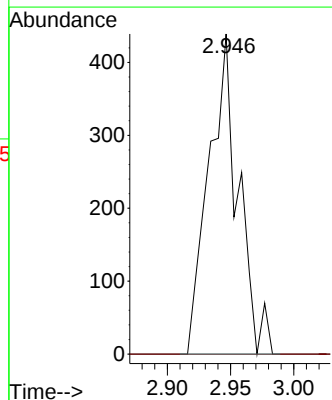
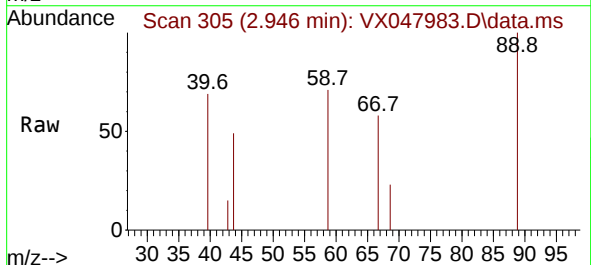


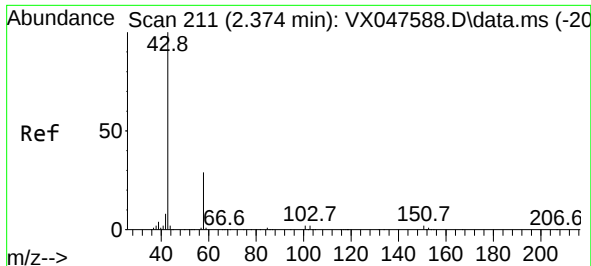
Tgt Ion:142 Resp: 958
Ion Ratio Lower Upper
142 100
127 14.9 37.2 55.8#
141 2.4 11.4 17.0#



#11
Tert butyl alcohol
Concen: 3.042 ug/l
RT: 2.946 min Scan# 305
Delta R.T. 0.006 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

Tgt Ion: 59 Resp: 712
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

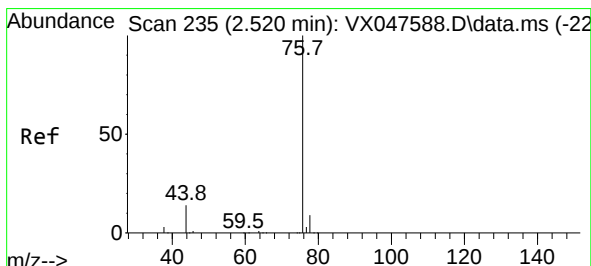
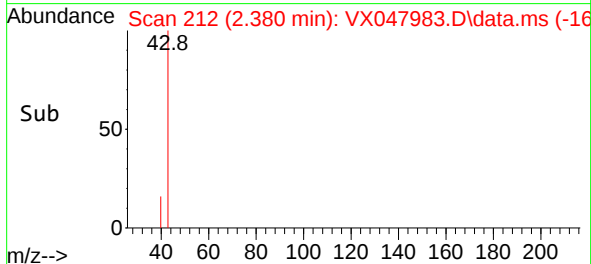
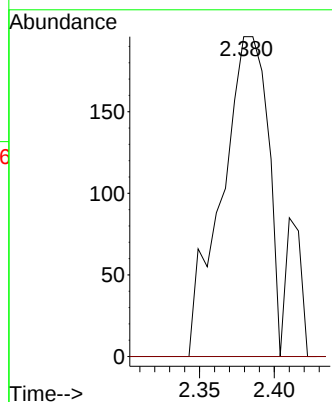
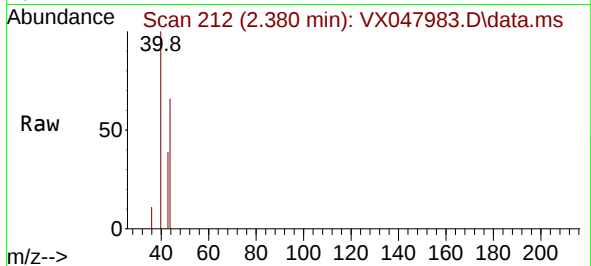




#16
Acetone
Concen: 0.463 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.006 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

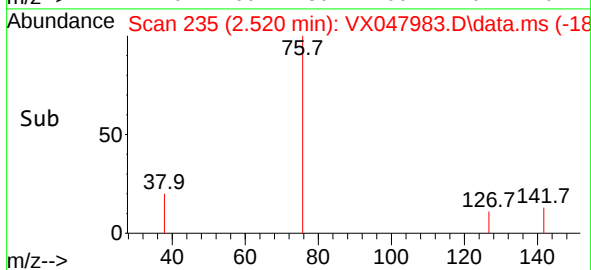
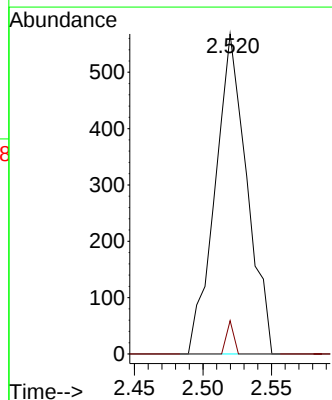
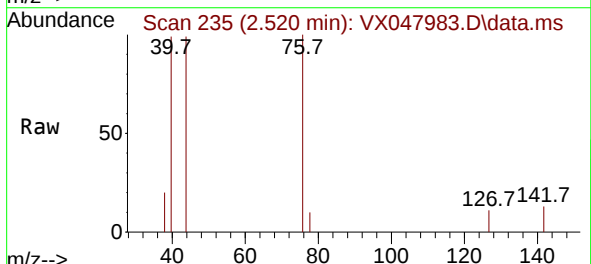
Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01

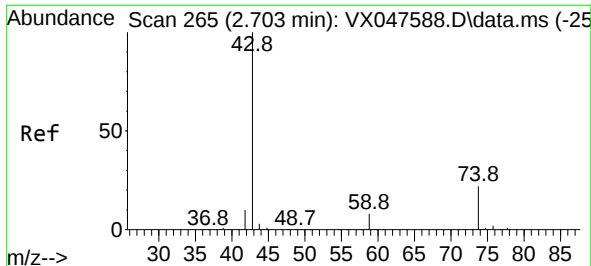
Tgt Ion: 43 Resp: 423
Ion Ratio Lower Upper
43 100
58 0.0 23.4 35.0#



#17
Carbon Disulfide
Concen: 0.213 ug/l
RT: 2.520 min Scan# 235
Delta R.T. -0.000 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

Tgt Ion: 76 Resp: 916
Ion Ratio Lower Upper
76 100
78 10.4 6.8 10.2#

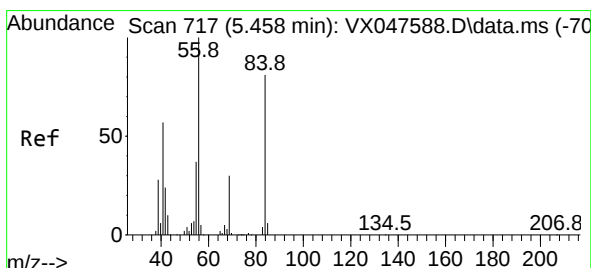
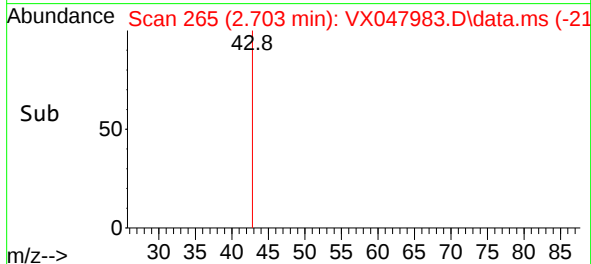
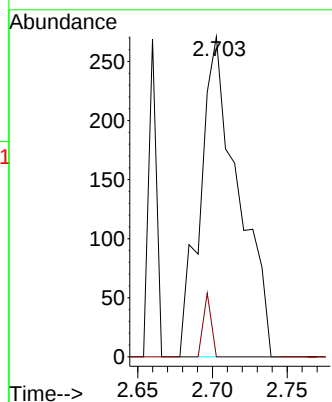
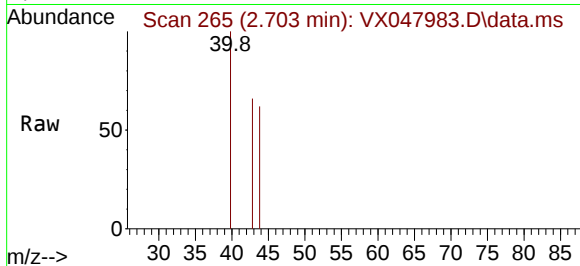




#18
Methyl Acetate
Concen: 0.235 ug/l
RT: 2.703 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

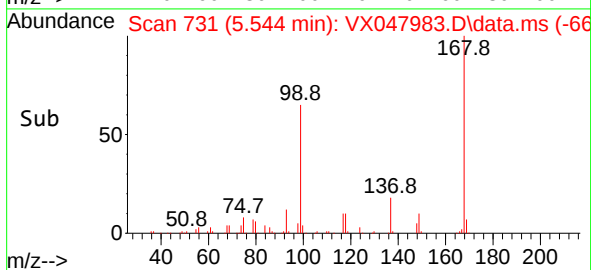
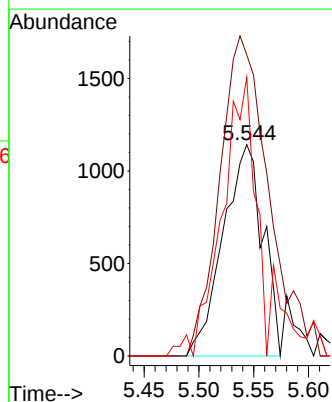
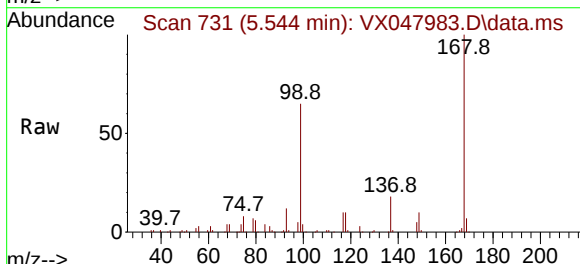
Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01

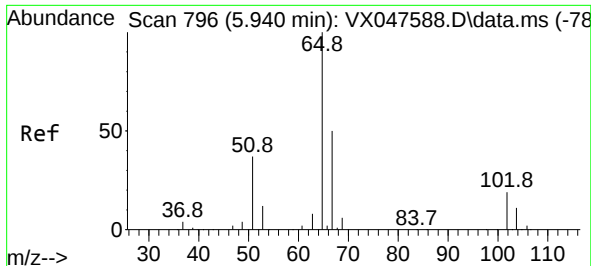
Tgt Ion: 43 Resp: 478
Ion Ratio Lower Upper
43 100
74 4.2 17.4 26.2#



#31
Cyclohexane
Concen: 1.039 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.085 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

Tgt Ion: 56 Resp: 2886
Ion Ratio Lower Upper
56 100
69 142.4 23.8 35.8#
84 127.4 64.6 97.0#

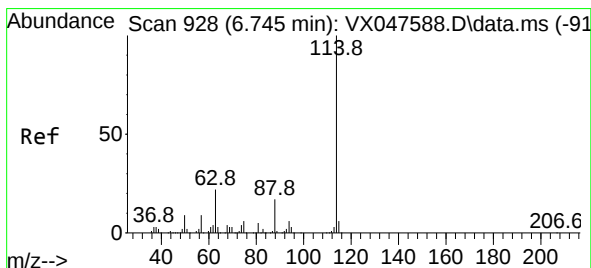
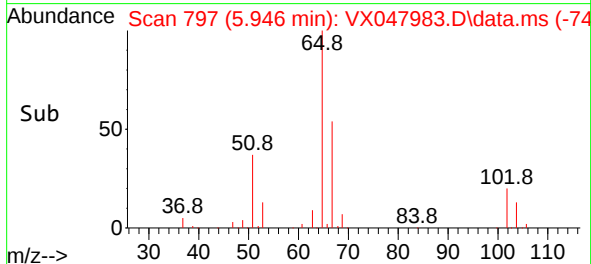
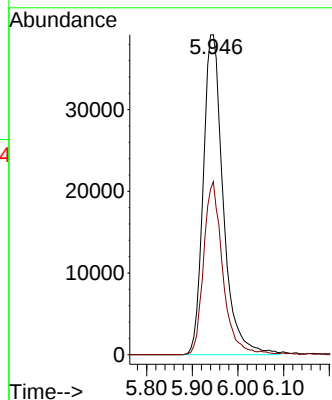
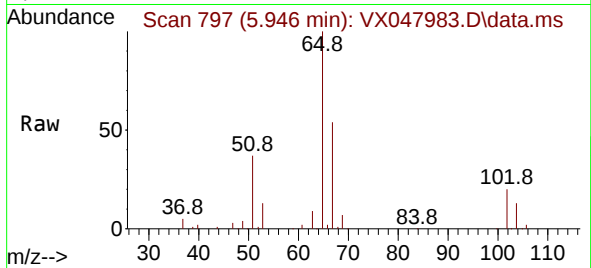




#33
 1,2-Dichloroethane-d4
 Concen: 56.558 ug/l
 RT: 5.946 min Scan# 796
 Delta R.T. 0.006 min
 Lab File: VX047983.D
 Acq: 03 Oct 2025 10:16

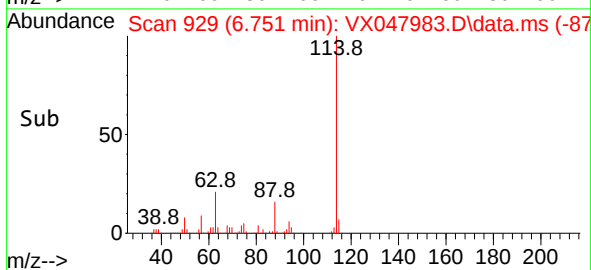
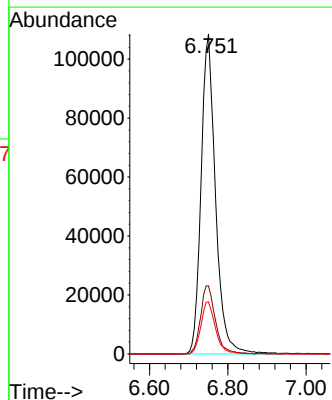
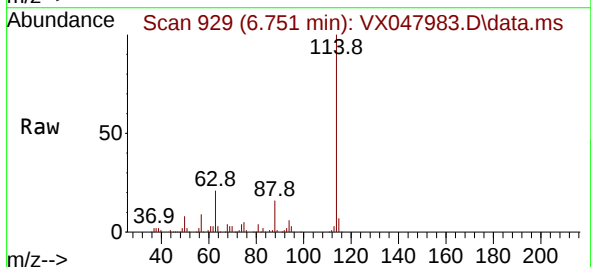
Instrument :
 MSVOA_X
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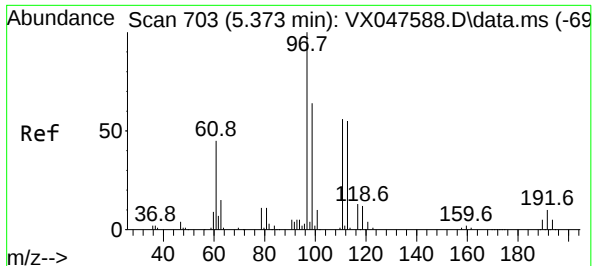
Tgt Ion: 65 Resp: 118862
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.751 min Scan# 929
 Delta R.T. 0.006 min
 Lab File: VX047983.D
 Acq: 03 Oct 2025 10:16

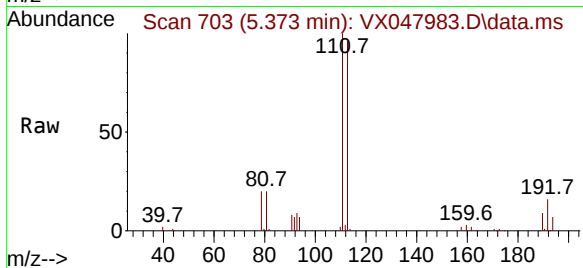
Tgt Ion: 114 Resp: 278145
 Ion Ratio Lower Upper
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 63 21.3 0.0 44.0
 88 16.2 0.0 34.2



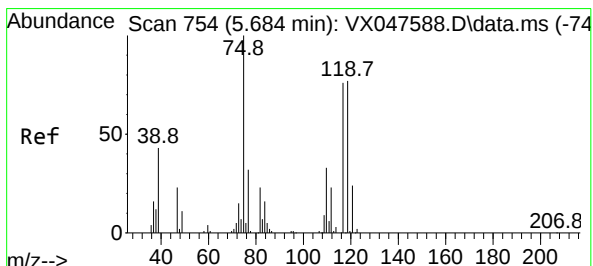
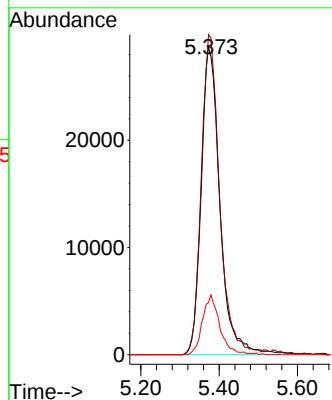
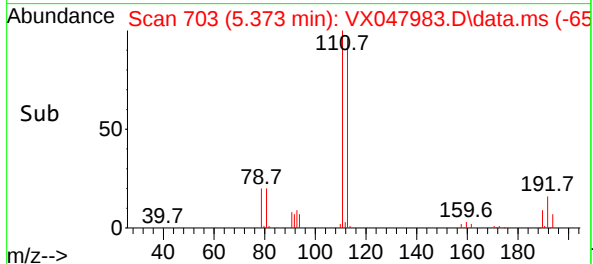


#35
Dibromofluoromethane
Concen: 50.995 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

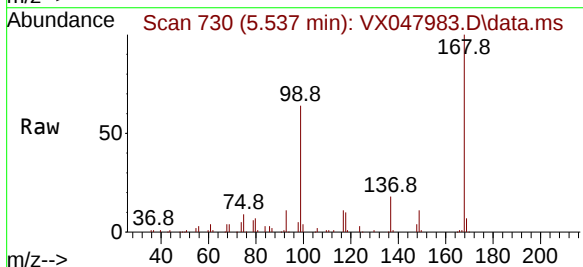
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MSVOA_X
ClientSampleId :
VX1003WBL01



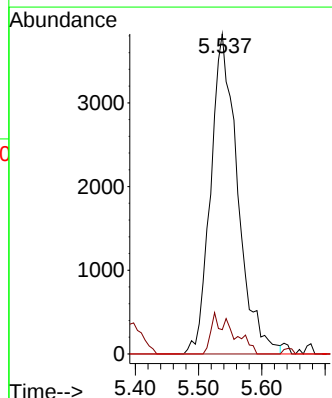
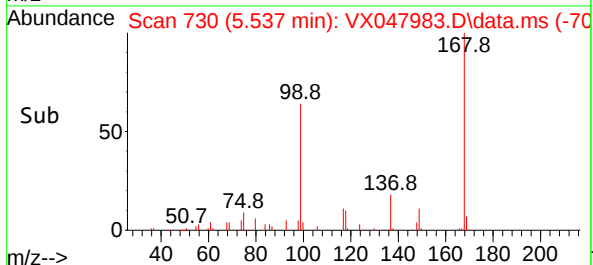
Tgt Ion:113 Resp: 95126
Ion Ratio Lower Upper
113 100
111 102.1 80.9 121.3
192 17.9 14.2 21.4

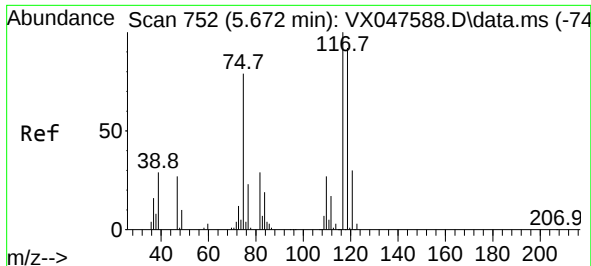


#36
1,1-Dichloropropene
Concen: 4.156 ug/l
RT: 5.537 min Scan# 730
Delta R.T. -0.147 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16



Tgt Ion: 75 Resp: 11327
Ion Ratio Lower Upper
75 100
110 4.6 16.7 50.1#
77 0.0 24.3 36.5#

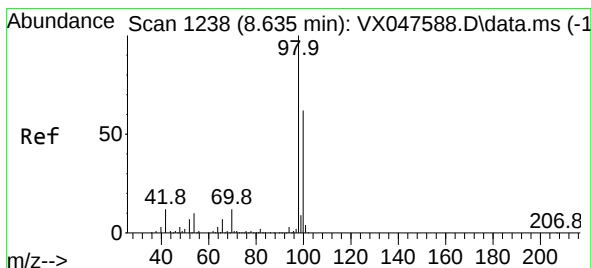
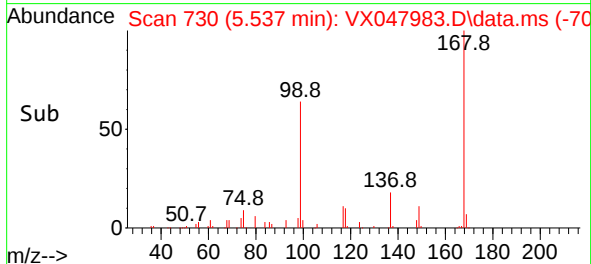
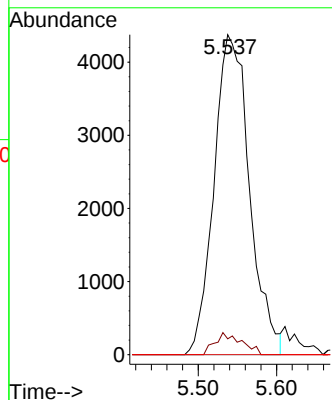
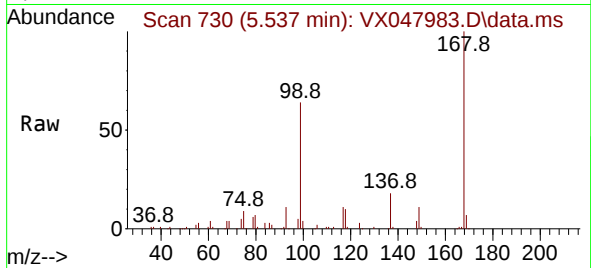




#38
Carbon Tetrachloride
Concen: 4.652 ug/l
RT: 5.537 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

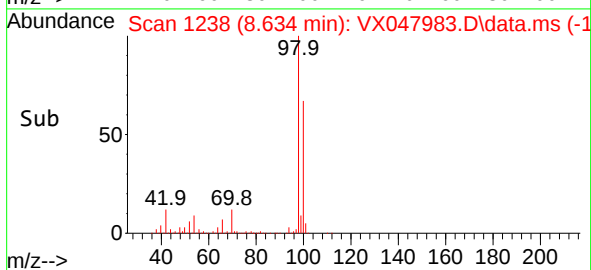
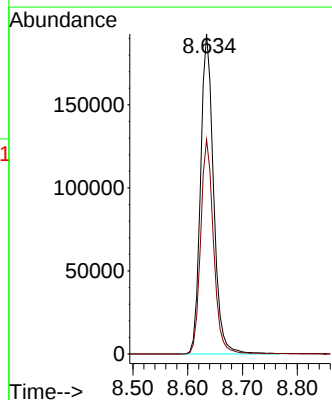
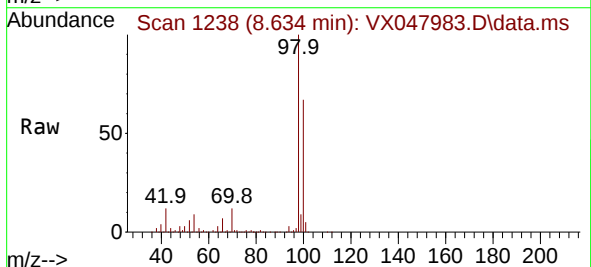
Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01

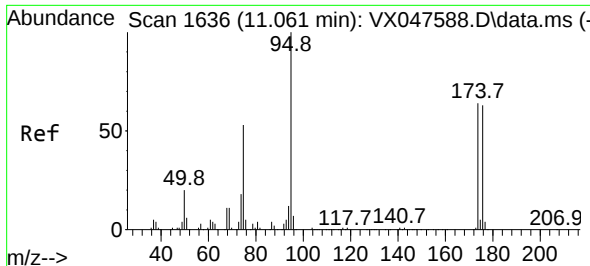
Tgt Ion:117 Resp: 13776
Ion Ratio Lower Upper
117 100
119 5.0 73.4 110.2#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 49.372 ug/l
RT: 8.634 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

Tgt Ion: 98 Resp: 318678
Ion Ratio Lower Upper
98 100
100 66.4 53.0 79.4

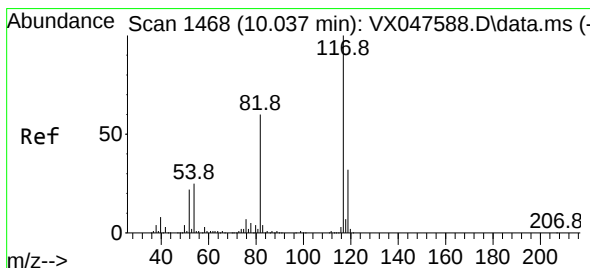
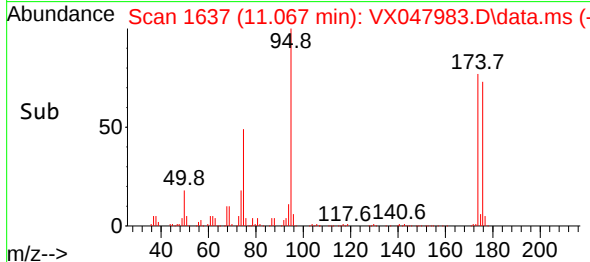
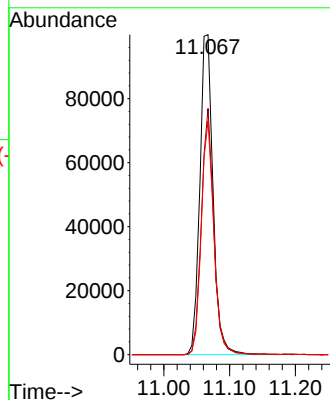
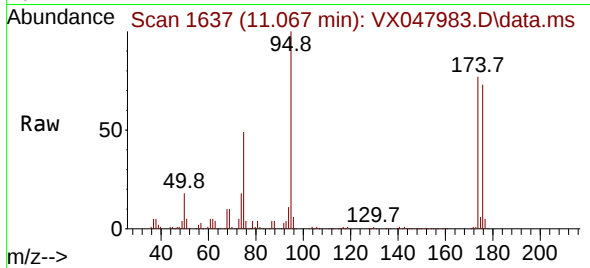




#62
4-Bromofluorobenzene
Concen: 56.951 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

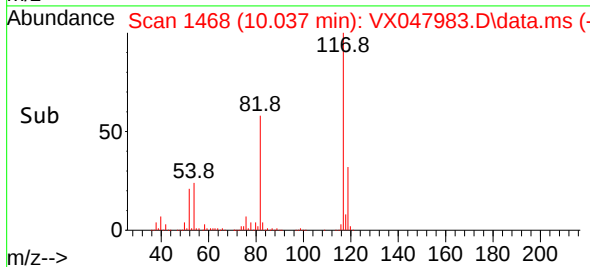
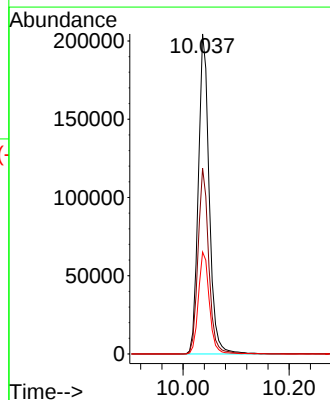
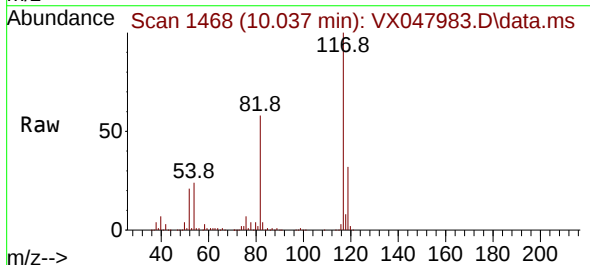
Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01

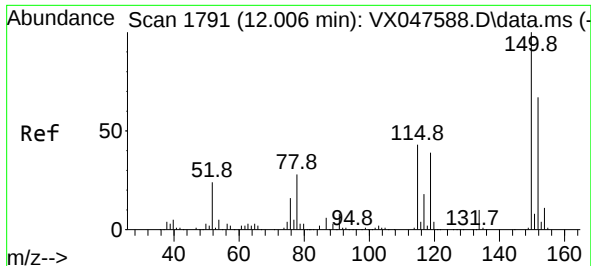
Tgt Ion: 95 Resp: 139510
Ion Ratio Lower Upper
95 100
174 72.3 0.0 141.6
176 69.4 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

Tgt Ion: 117 Resp: 290715
Ion Ratio Lower Upper
117 100
82 58.0 47.8 71.6
119 31.8 25.2 37.8

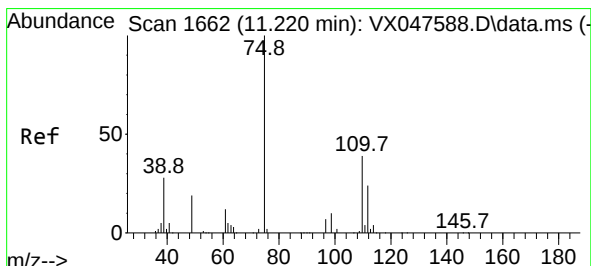
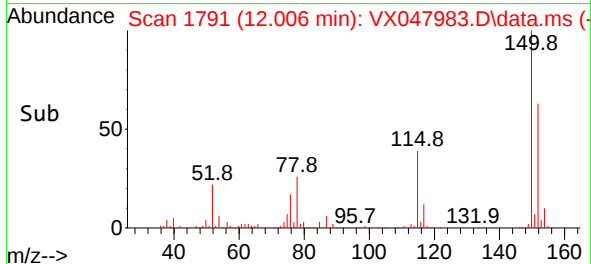
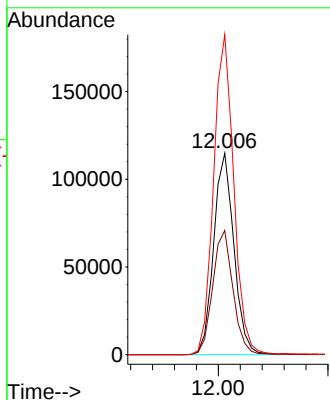
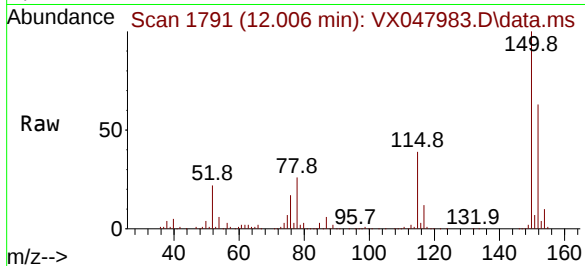




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

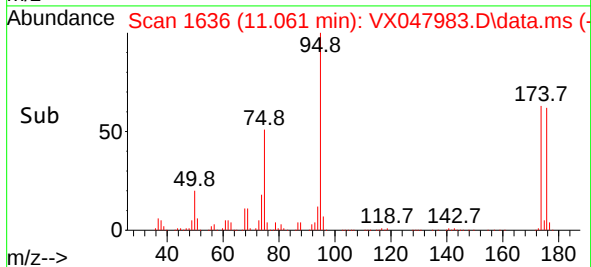
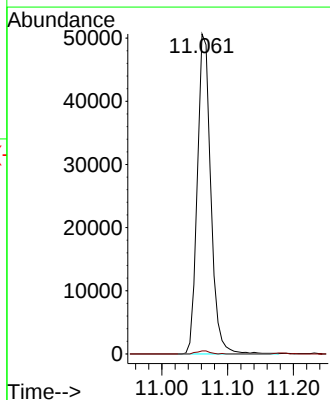
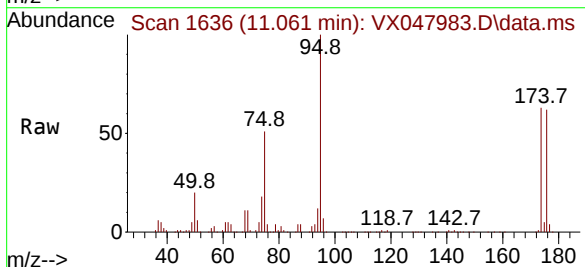
Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01

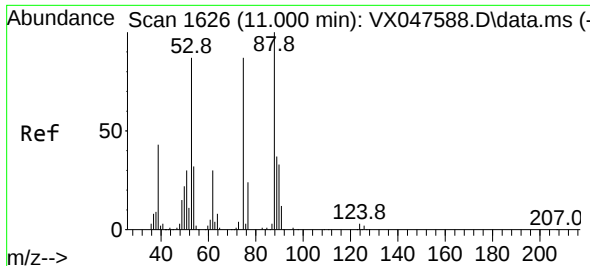
Tgt Ion:152 Resp: 147497
Ion Ratio Lower Upper
152 100
115 62.2 44.9 134.5
150 158.9 0.0 352.0



#76
1,2,3-Trichloropropane
Concen: 24.105 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.159 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

Tgt Ion: 75 Resp: 71986
Ion Ratio Lower Upper
75 100
77 1.0 18.8 56.4#

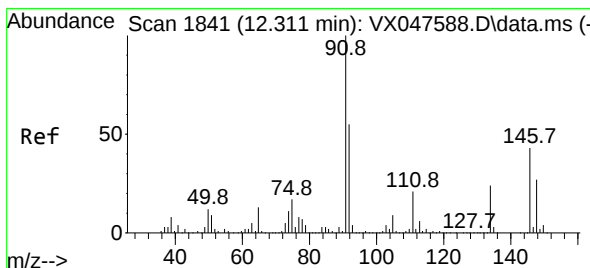
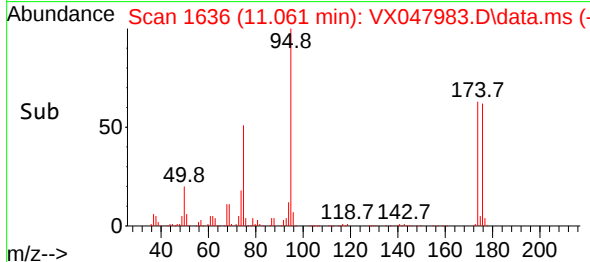
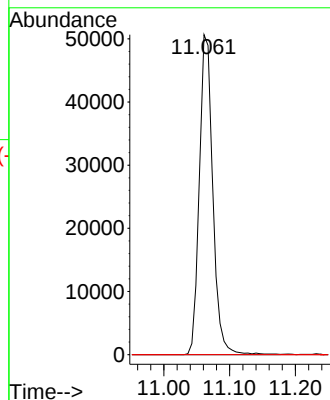
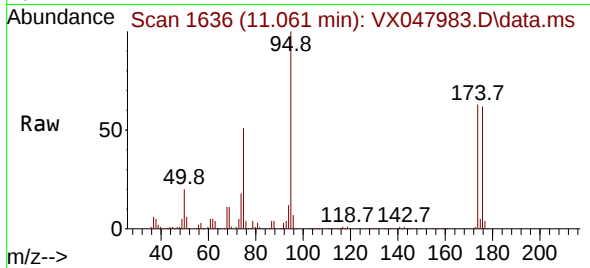




#81
trans-1,4-Dichloro-2-butene
Concen: 61.471 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

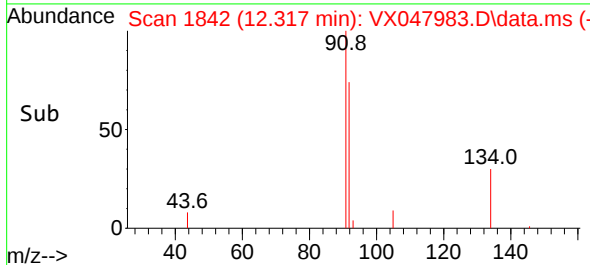
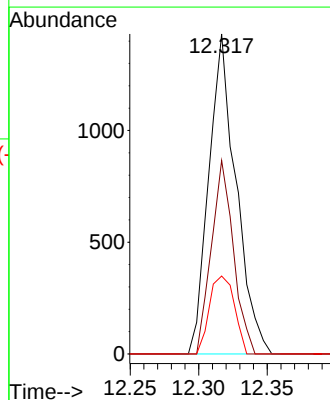
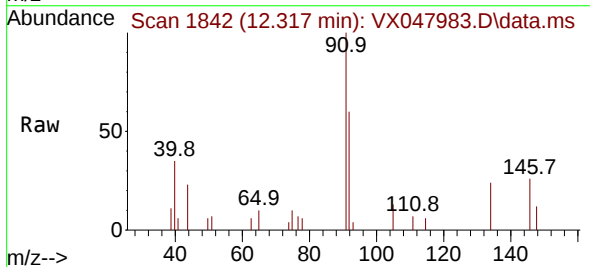
Instrument :
MSVOA_X
ClientSampleId :
VX1003WBL01

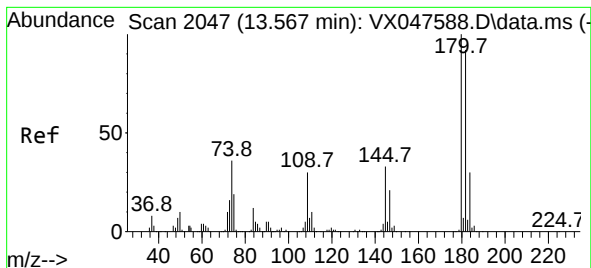
Tgt Ion: 75 Resp: 71986
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#



#89
n-Butylbenzene
Concen: 0.225 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VX047983.D
Acq: 03 Oct 2025 10:16

Tgt Ion: 91 Resp: 1977
Ion Ratio Lower Upper
91 100
92 49.0 27.6 82.7
134 22.4 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.326 ug/l

RT: 13.573 min Scan# 2047

Delta R.T. 0.006 min

Lab File: VX047983.D

Acq: 03 Oct 2025 10:16

Instrument :

MSVOA_X

ClientSampleId :

VX1003WBL01

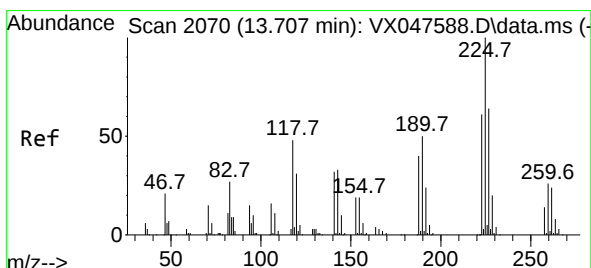
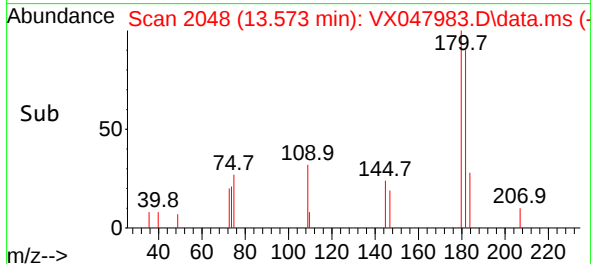
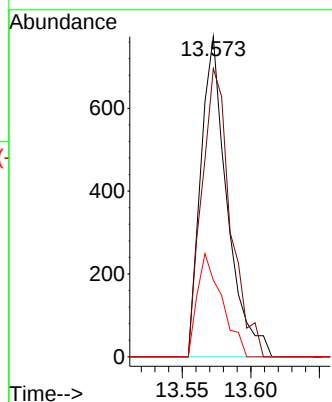
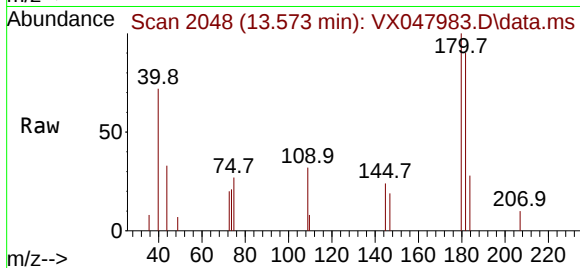
Tgt Ion:180 Resp: 1034

Ion Ratio Lower Upper

180 100

182 97.7 46.6 139.8

145 30.1 16.4 49.1



#94

Hexachlorobutadiene

Concen: 0.932 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. -0.000 min

Lab File: VX047983.D

Acq: 03 Oct 2025 10:16

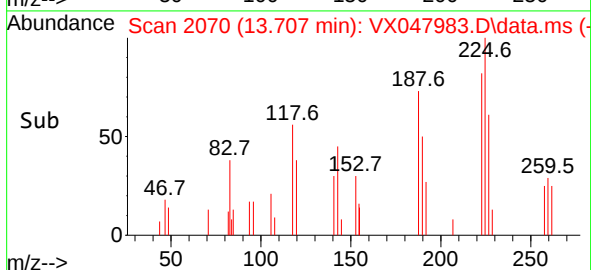
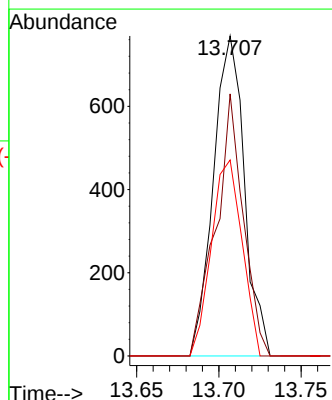
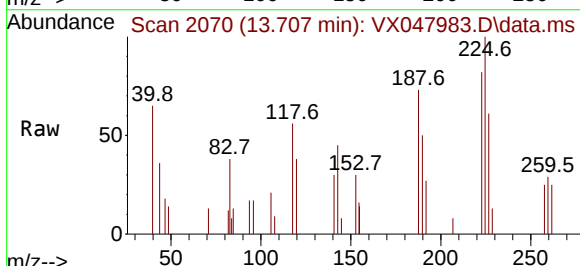
Tgt Ion:225 Resp: 1006

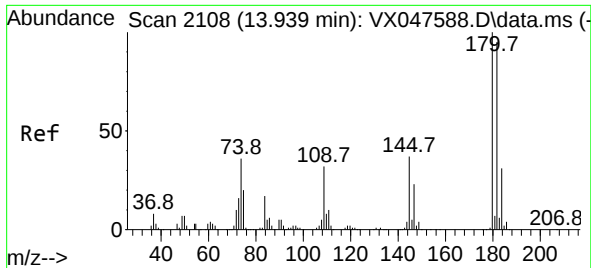
Ion Ratio Lower Upper

225 100

223 73.1 31.7 95.1

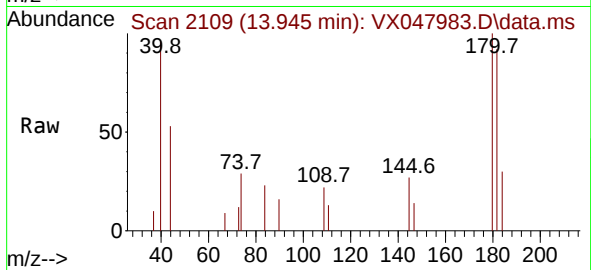
227 60.8 32.0 96.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.247 ug/l
 RT: 13.945 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VX047983.D
 Acq: 03 Oct 2025 10:16

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1003WBL01



Tgt Ion:180 Resp: 730
 Ion Ratio Lower Upper
 180 100
 182 81.6 47.6 142.8
 145 28.9 17.9 53.7

