

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092625\
 Data File : VX047850.D
 Acq On : 26 Sep 2025 11:43
 Operator : JC/MD
 Sample : VX0926WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0926WBL01

Quant Time: Sep 26 23:11:24 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)

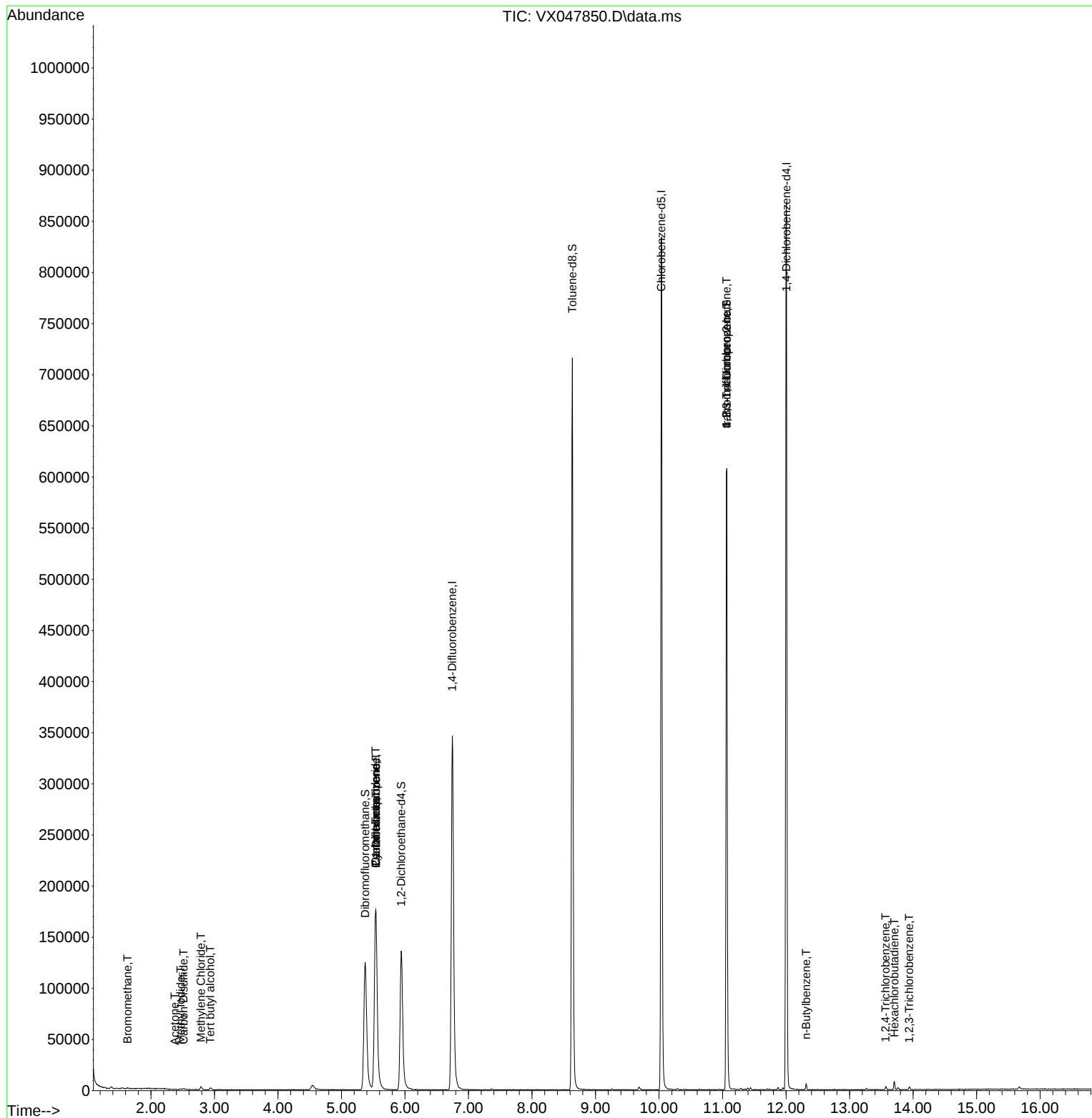
Internal Standards						
1) Pentafluorobenzene	5.544	168	182475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	379369	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	380700	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	183902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	146381	50.397	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 100.800%		
35) Dibromofluoromethane	5.373	113	123091	48.380	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 96.760%		
50) Toluene-d8	8.635	98	433662	49.259	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 98.520%		
62) 4-Bromofluorobenzene	11.061	95	177814	53.220	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 106.440%		
Target Compounds						Qvalue
5) Bromomethane	1.630	94	469	0.304	ug/l #	71
10) Methyl Iodide	2.465	142	943	0.286	ug/l #	84
11) Tert butyl alcohol	2.934	59	999	3.088	ug/l #	72
16) Acetone	2.374	43	387	0.306	ug/l #	45
17) Carbon Disulfide	2.514	76	1392	0.235	ug/l #	91
20) Methylene Chloride	2.788	84	1363	0.510	ug/l	84
31) Cyclohexane	5.544	56	3869	1.008	ug/l #	17
36) 1,1-Dichloropropene	5.544	75	15560	4.185	ug/l #	50
38) Carbon Tetrachloride	5.538	117	19111	4.731	ug/l #	18
76) 1,2,3-Trichloropropane	11.061	75	92157	24.750	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	92157	63.117	ug/l #	8
89) n-Butylbenzene	12.317	91	2423	0.221	ug/l	94
93) 1,2,4-Trichlorobenzene	13.567	180	992	0.250	ug/l	94
94) Hexachlorobutadiene	13.707	225	1050	0.781	ug/l	89
96) 1,2,3-Trichlorobenzene	13.939	180	851	0.231	ug/l	87

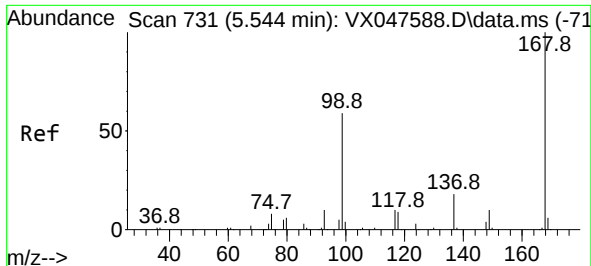
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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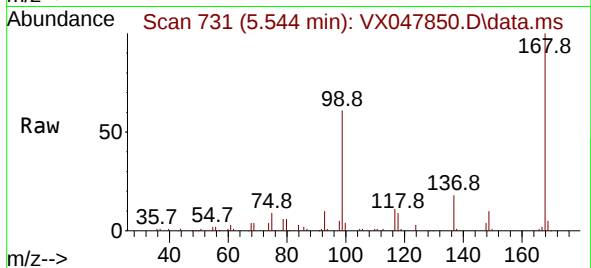
Quant Time: Sep 26 23:11:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



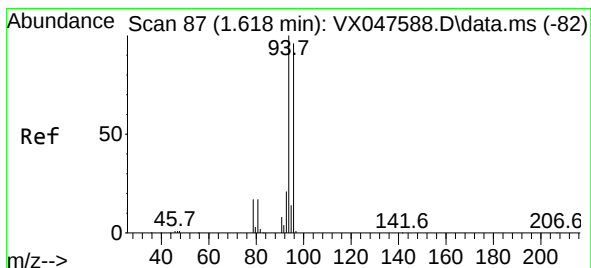
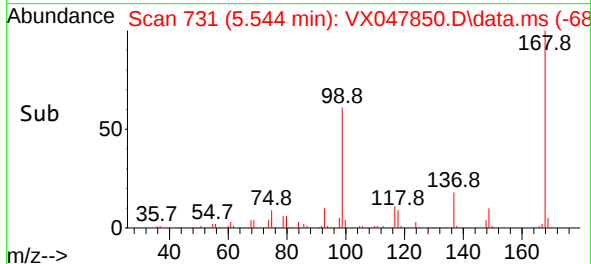
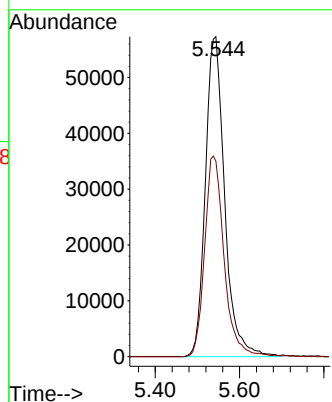


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047850.D
Acq: 26 Sep 2025 11:43

Instrument :
MSVOA_X
ClientSampleId :
VX0926WBL01

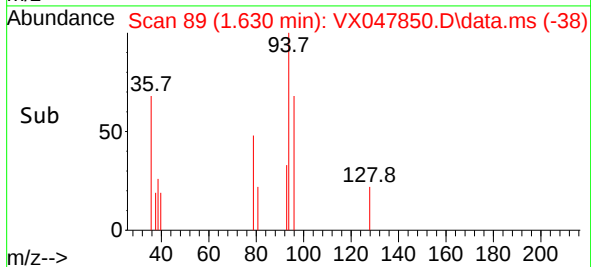
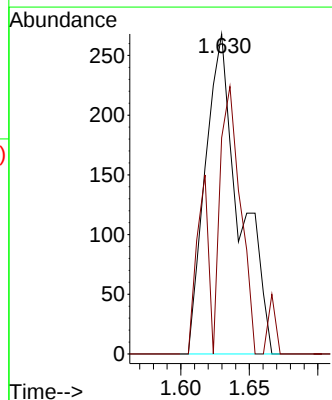
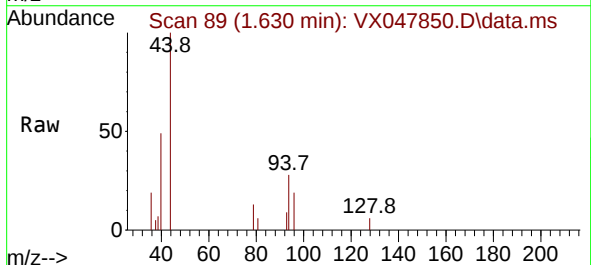


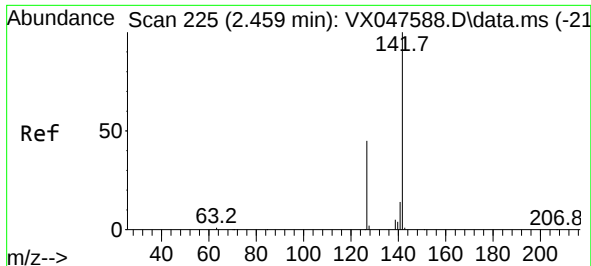
Tgt Ion:168 Resp: 182475
Ion Ratio Lower Upper
168 100
99 61.1 48.8 73.2



#5
Bromomethane
Concen: 0.304 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.012 min
Lab File: VX047850.D
Acq: 26 Sep 2025 11:43

Tgt Ion: 94 Resp: 469
Ion Ratio Lower Upper
94 100
96 67.5 76.6 115.0#

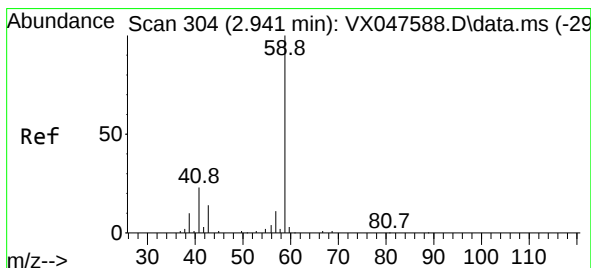
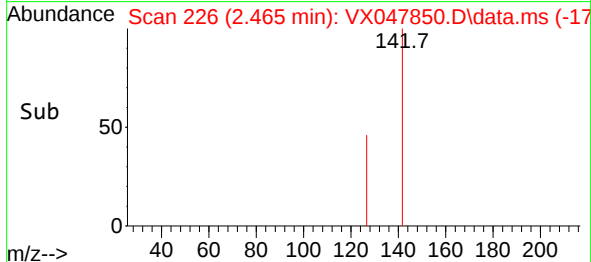
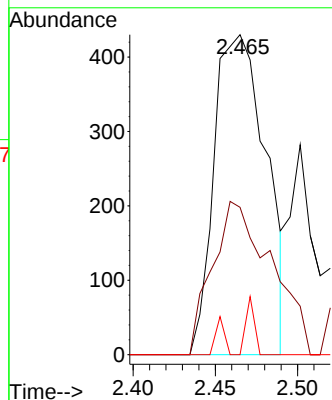
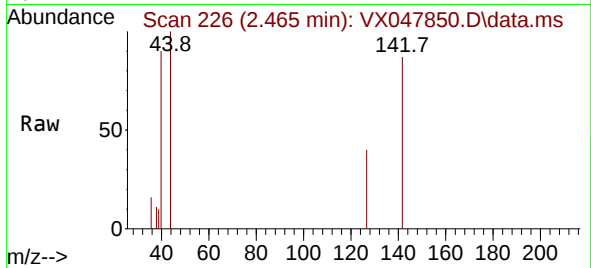




#10
Methyl Iodide
Concen: 0.286 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX047850.D
Acq: 26 Sep 2025 11:43

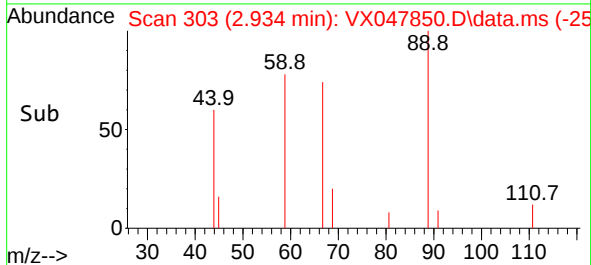
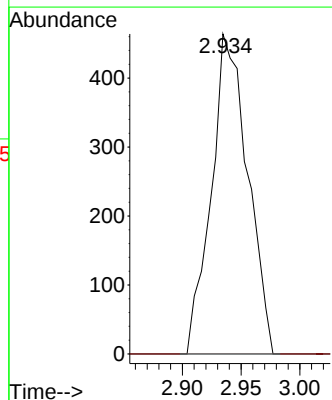
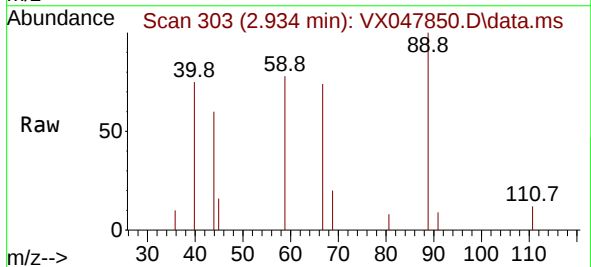
Instrument :
MSVOA_X
ClientSampleId :
VX0926WBL01

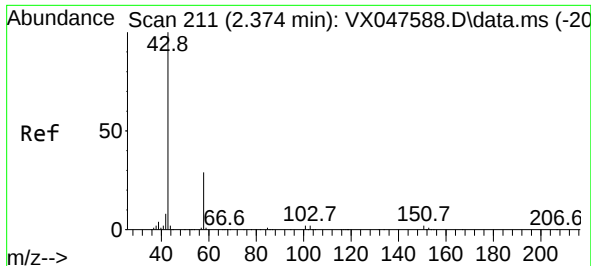
Tgt Ion:142 Resp: 943
Ion Ratio Lower Upper
142 100
127 54.6 37.2 55.8
141 3.1 11.4 17.0#



#11
Tert butyl alcohol
Concen: 3.088 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.006 min
Lab File: VX047850.D
Acq: 26 Sep 2025 11:43

Tgt Ion: 59 Resp: 999
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

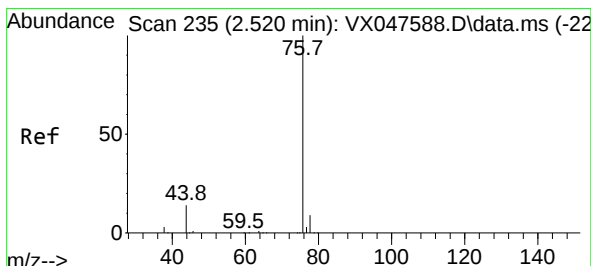
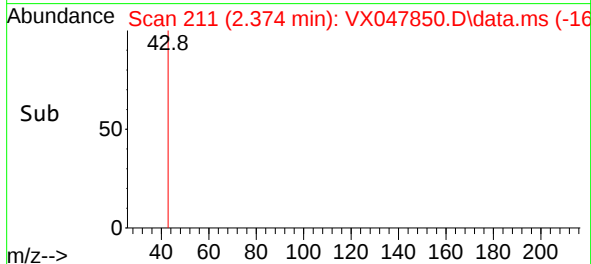
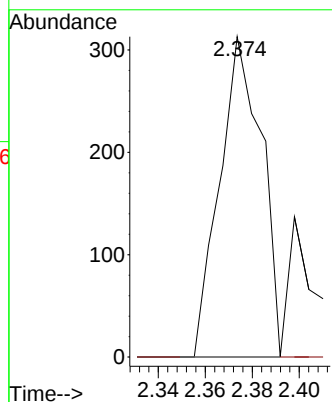
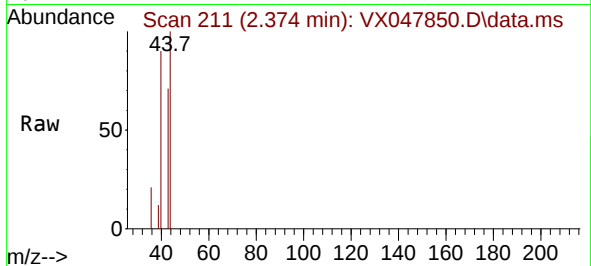




#16
Acetone
Concen: 0.306 ug/l
RT: 2.374 min Scan# 211
Delta R.T. -0.000 min
Lab File: VX047850.D
Acq: 26 Sep 2025 11:43

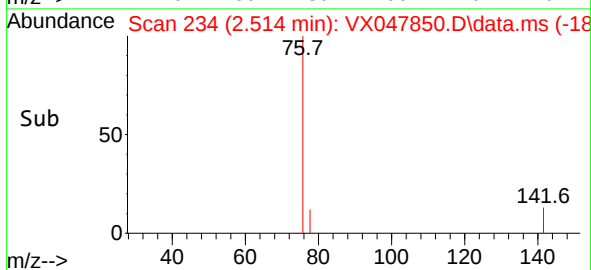
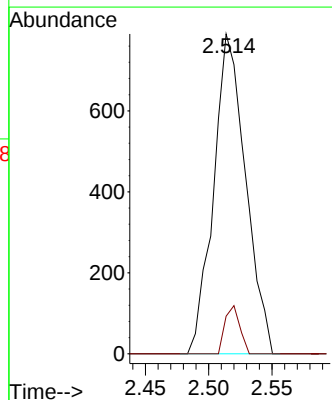
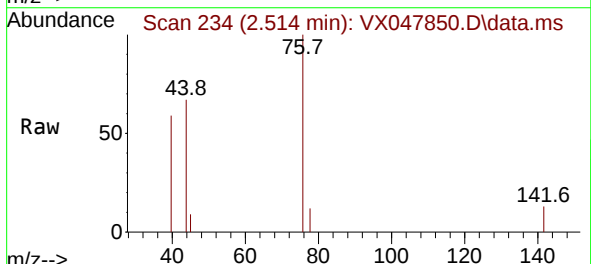
Instrument :
MSVOA_X
ClientSampleId :
VX0926WBL01

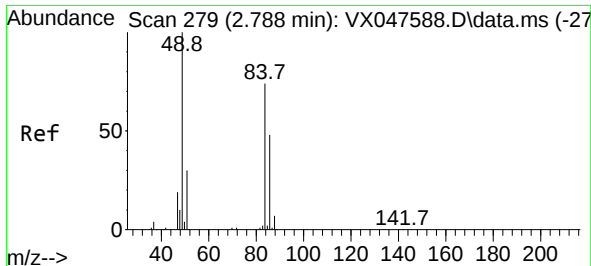
Tgt Ion: 43 Resp: 387
Ion Ratio Lower Upper
43 100
58 0.0 23.4 35.0#



#17
Carbon Disulfide
Concen: 0.235 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.006 min
Lab File: VX047850.D
Acq: 26 Sep 2025 11:43

Tgt Ion: 76 Resp: 1392
Ion Ratio Lower Upper
76 100
78 11.8 6.8 10.2#

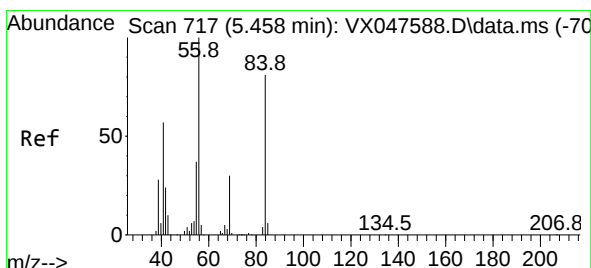
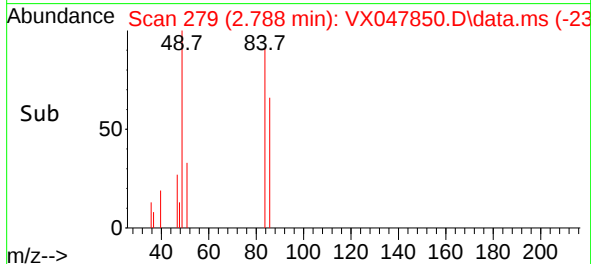
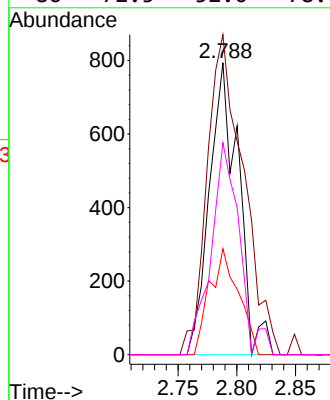
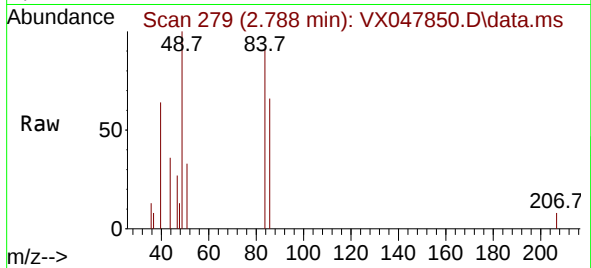




#20
Methylene Chloride
Concen: 0.510 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX047850.D
Acq: 26 Sep 2025 11:43

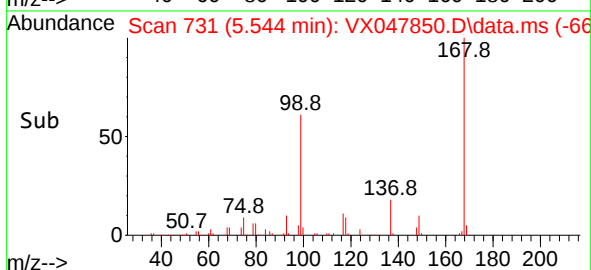
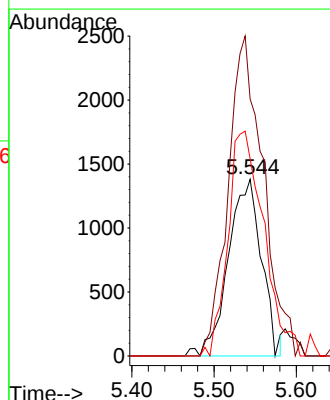
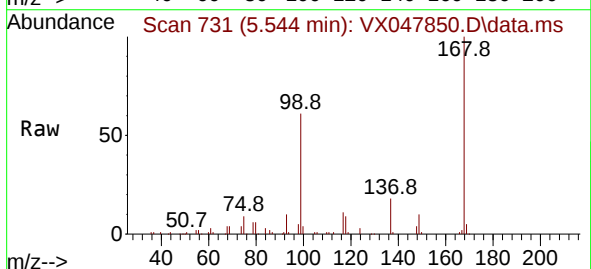
Instrument :
MSVOA_X
ClientSampleId :
VX0926WBL01

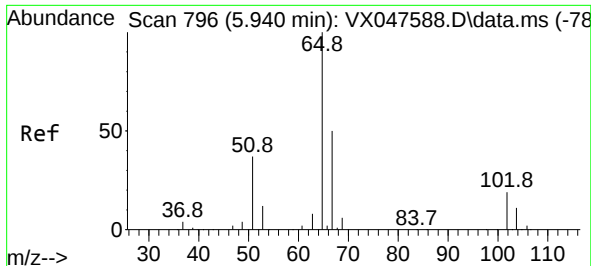
Tgt Ion:	84	Resp:	1363
Ion	Ratio	Lower	Upper
84	100		
49	109.6	108.6	162.8
51	36.3	32.6	48.8
86	72.5	52.0	78.0



#31
Cyclohexane
Concen: 1.008 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.085 min
Lab File: VX047850.D
Acq: 26 Sep 2025 11:43

Tgt Ion:	56	Resp:	3869
Ion	Ratio	Lower	Upper
56	100		
69	145.4	23.8	35.8#
84	111.7	64.6	97.0#

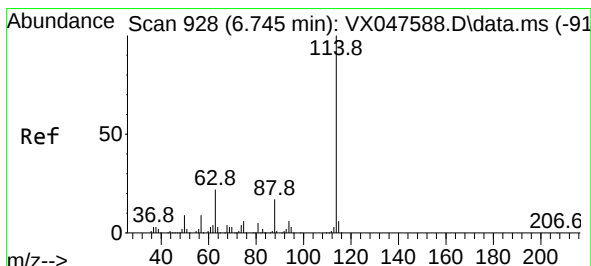
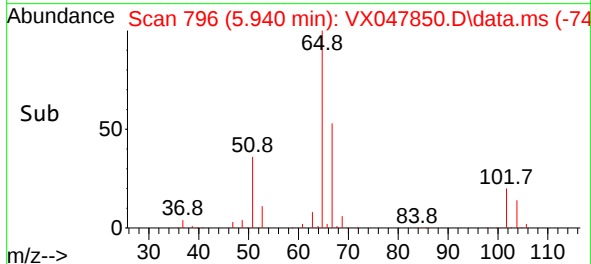
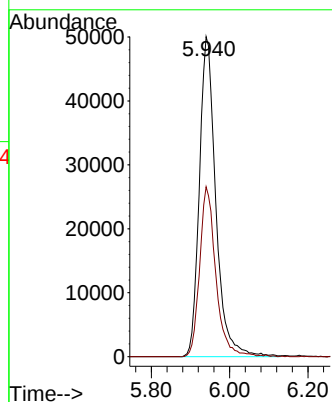
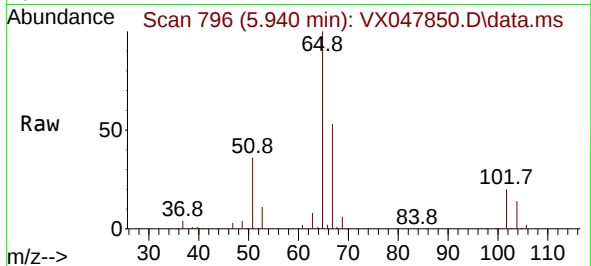




#33
 1,2-Dichloroethane-d4
 Concen: 50.397 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. -0.000 min
 Lab File: VX047850.D
 Acq: 26 Sep 2025 11:43

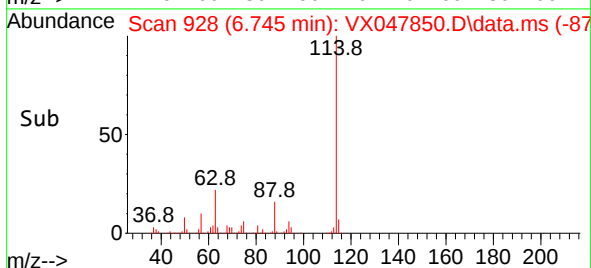
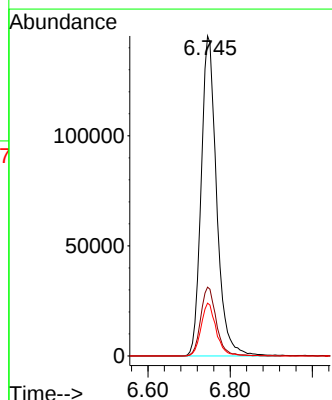
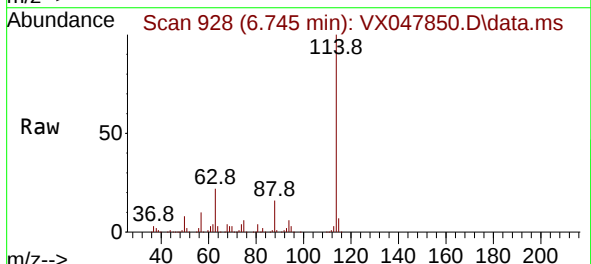
Instrument :
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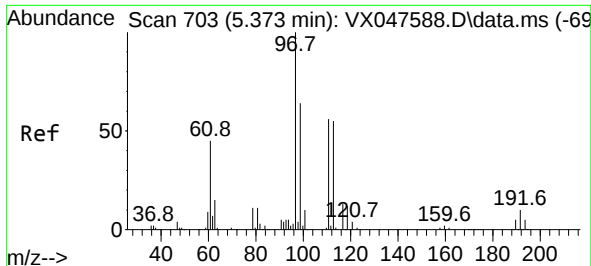
Tgt Ion: 65 Resp: 146381
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. -0.000 min
 Lab File: VX047850.D
 Acq: 26 Sep 2025 11:43

Tgt Ion: 114 Resp: 379369
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 44.0
 88 16.5 0.0 34.2

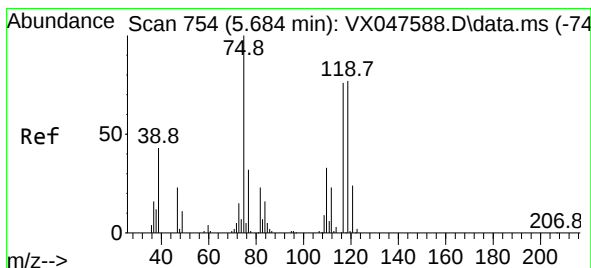
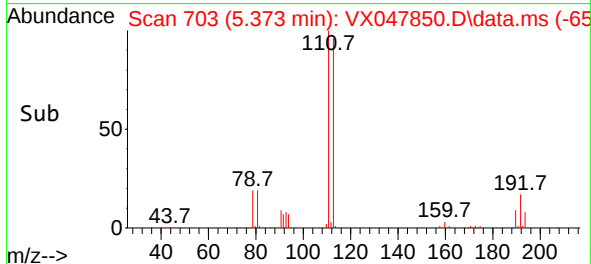
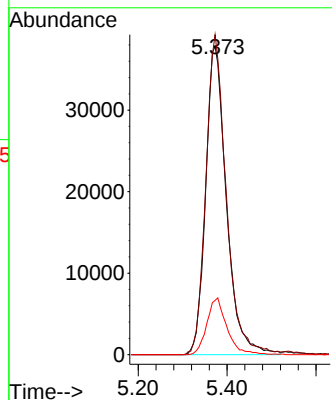
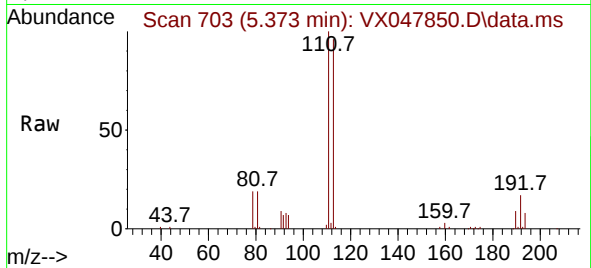




#35
Dibromofluoromethane
Concen: 48.380 ug/l
RT: 5.373 min Scan# 703
Delta R.T. -0.000 min
Lab File: VX047850.D
Acq: 26 Sep 2025 11:43

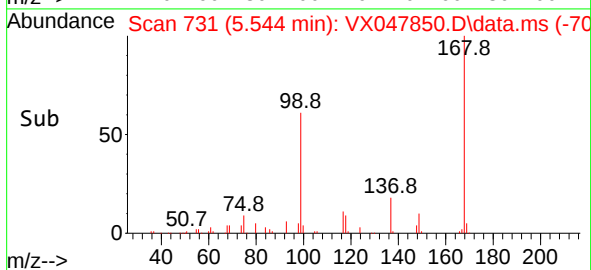
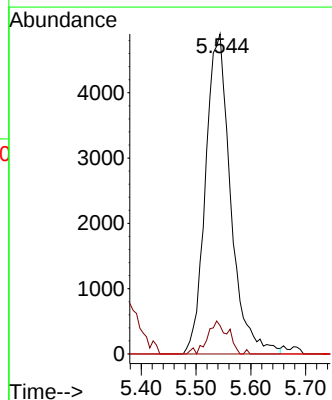
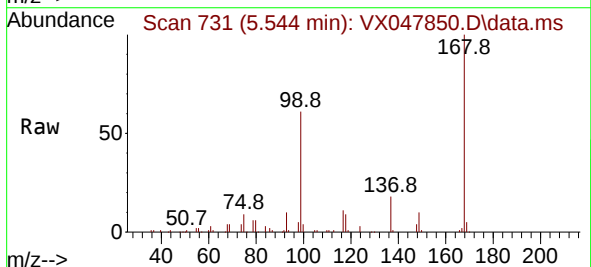
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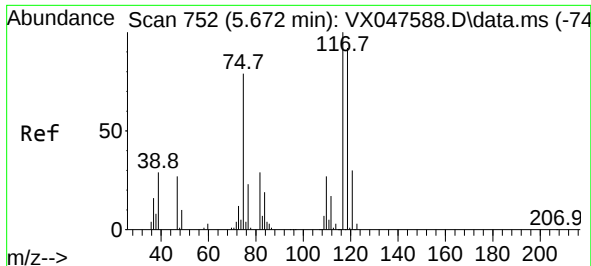
Tgt Ion:113 Resp: 123091
Ion Ratio Lower Upper
113 100
111 102.1 80.9 121.3
192 17.8 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.185 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.140 min
Lab File: VX047850.D
Acq: 26 Sep 2025 11:43

Tgt Ion: 75 Resp: 15560
Ion Ratio Lower Upper
75 100
110 8.4 16.7 50.1#
77 0.0 24.3 36.5#

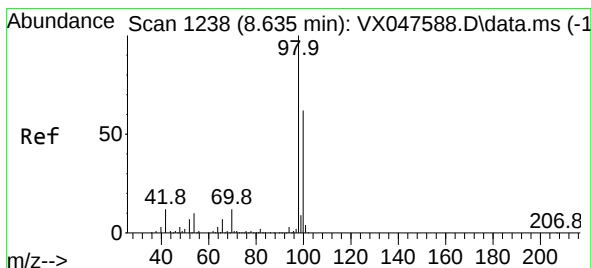
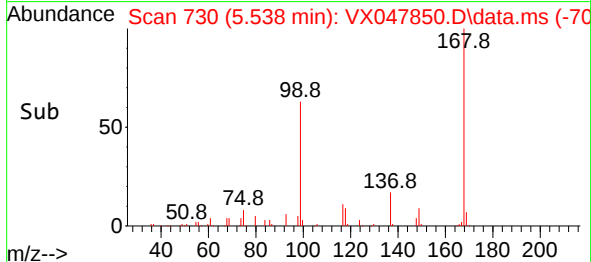
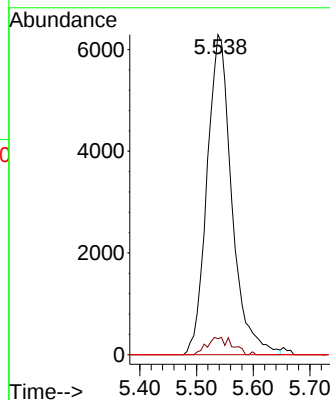
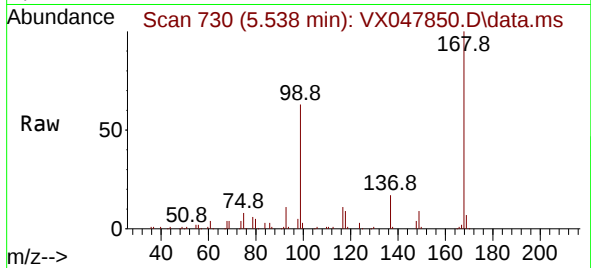




#38
Carbon Tetrachloride
Concen: 4.731 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX047850.D
Acq: 26 Sep 2025 11:43

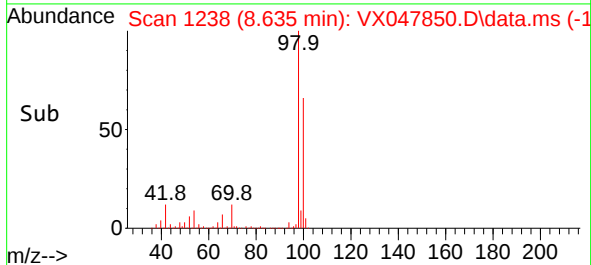
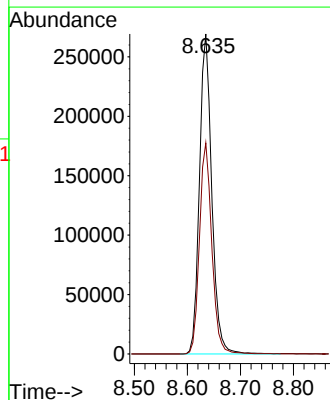
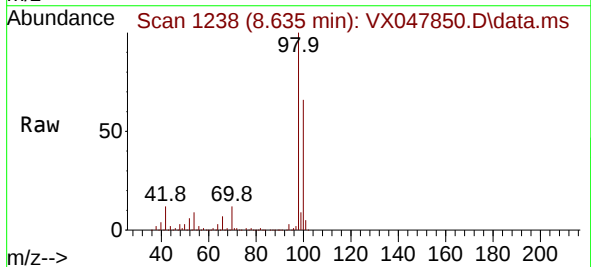
Instrument :
MSVOA_X
ClientSampleId :
VX0926WBL01

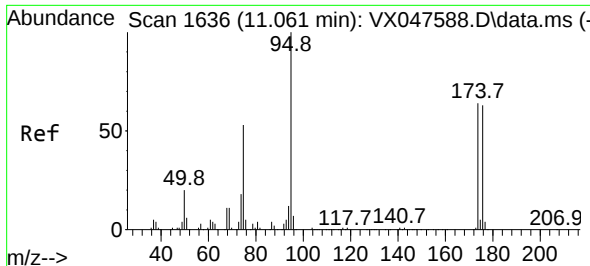
Tgt Ion:117 Resp: 19111
Ion Ratio Lower Upper
117 100
119 5.0 73.4 110.2#
121 0.0 23.8 35.6#



#50
Toluene-d8
Concen: 49.259 ug/l
RT: 8.635 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VX047850.D
Acq: 26 Sep 2025 11:43

Tgt Ion: 98 Resp: 433662
Ion Ratio Lower Upper
98 100
100 66.0 53.0 79.4

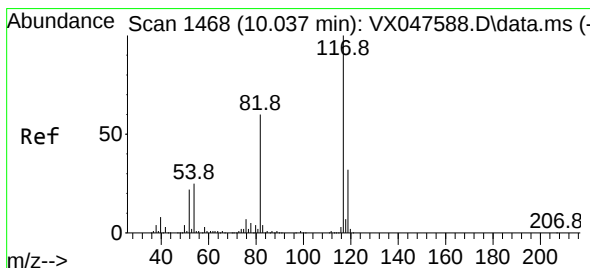
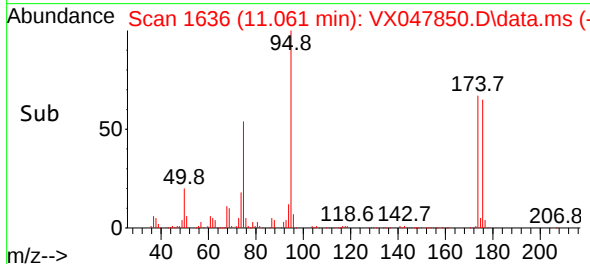
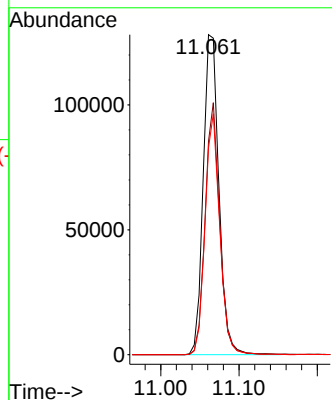
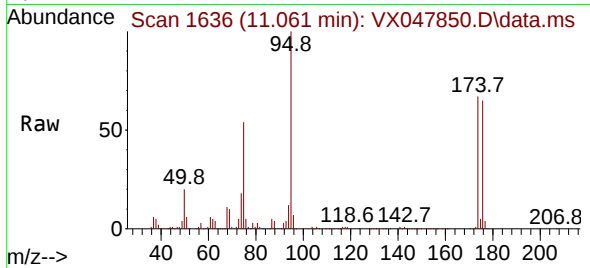




#62
4-Bromofluorobenzene
Concen: 53.220 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047850.D
Acq: 26 Sep 2025 11:43

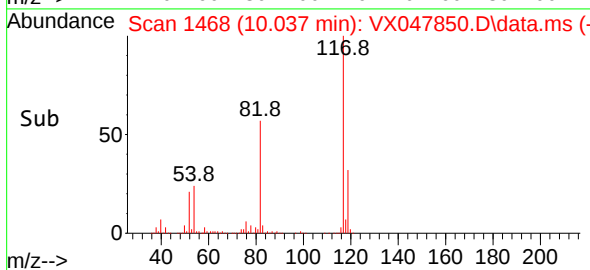
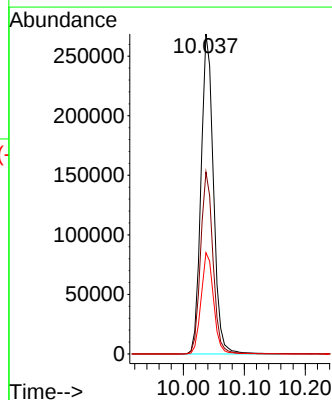
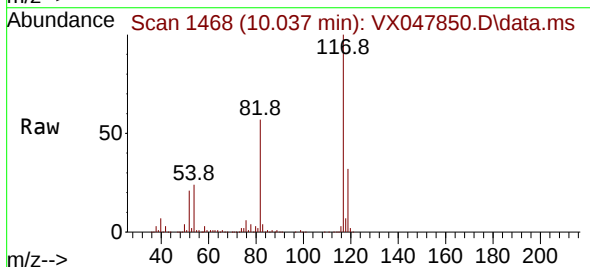
Instrument :
MSVOA_X
ClientSampleId :
VX0926WBL01

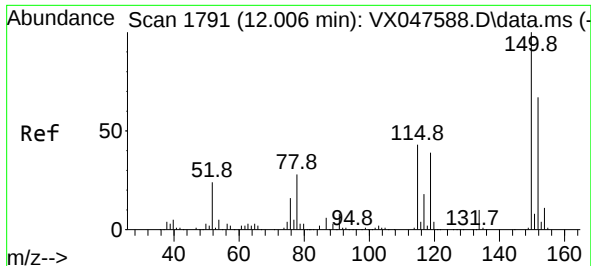
Tgt Ion: 95 Resp: 177814
Ion Ratio Lower Upper
95 100
174 73.2 0.0 141.6
176 70.5 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX047850.D
Acq: 26 Sep 2025 11:43

Tgt Ion: 117 Resp: 380700
Ion Ratio Lower Upper
117 100
82 56.8 47.8 71.6
119 31.7 25.2 37.8

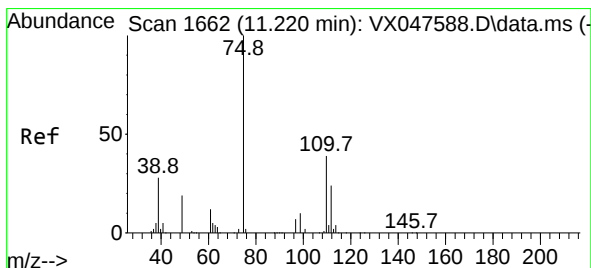
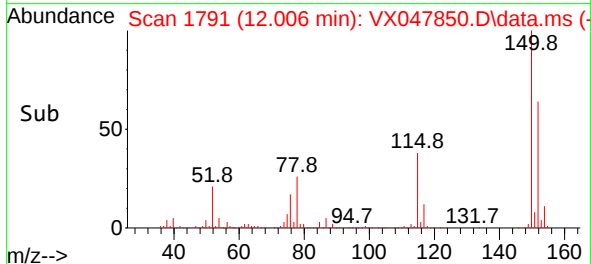
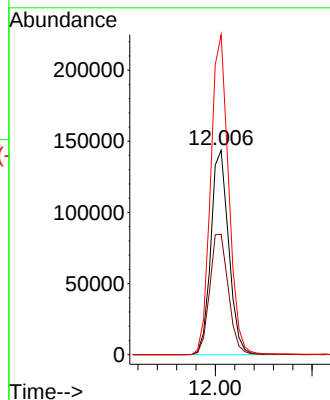
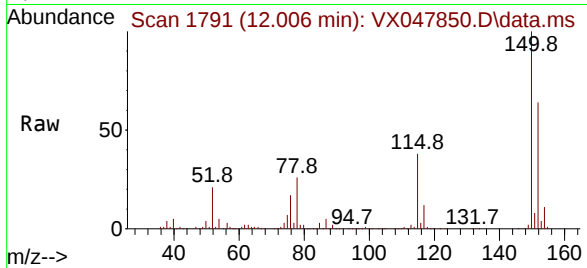




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX047850.D
 Acq: 26 Sep 2025 11:43

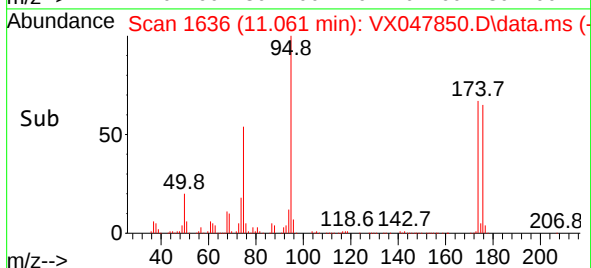
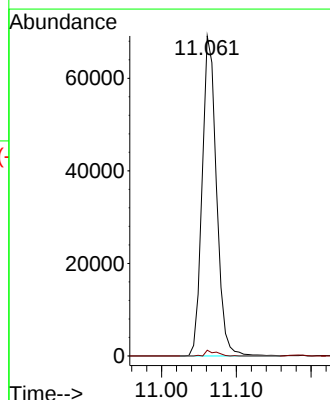
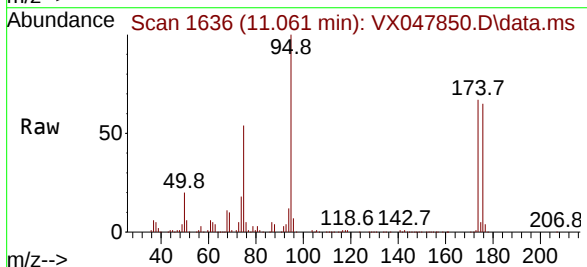
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0926WBL01

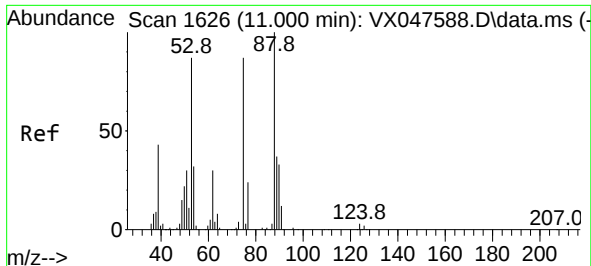
Tgt Ion:152 Resp: 183902
 Ion Ratio Lower Upper
 152 100
 115 61.9 44.9 134.5
 150 157.6 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 24.750 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.159 min
 Lab File: VX047850.D
 Acq: 26 Sep 2025 11:43

Tgt Ion: 75 Resp: 92157
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.8 56.4#

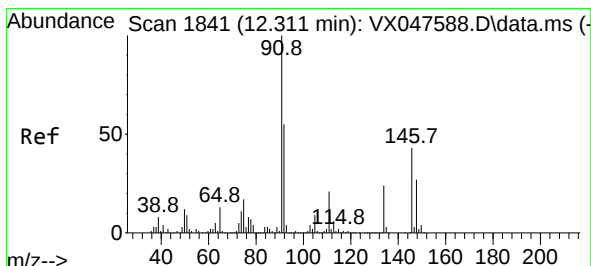
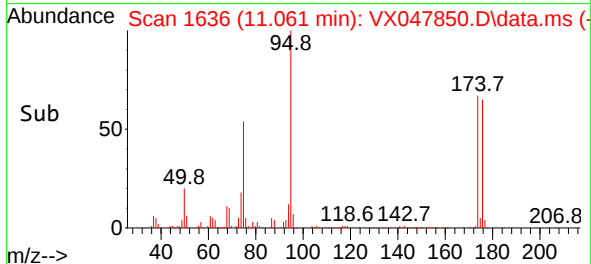
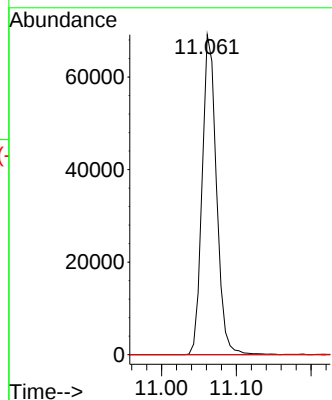
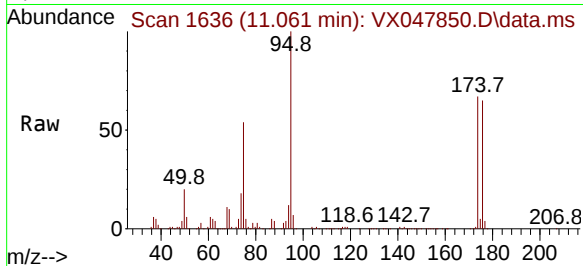




#81
trans-1,4-Dichloro-2-butene
Concen: 63.117 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047850.D
Acq: 26 Sep 2025 11:43

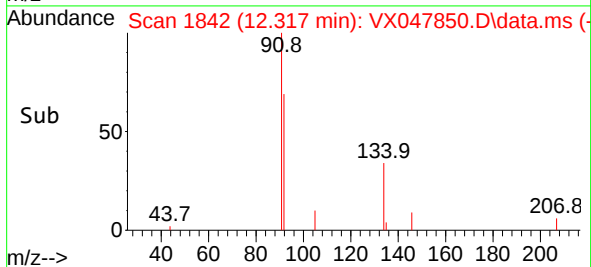
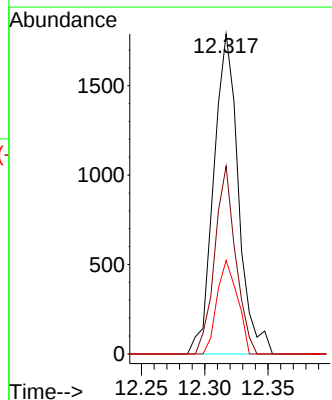
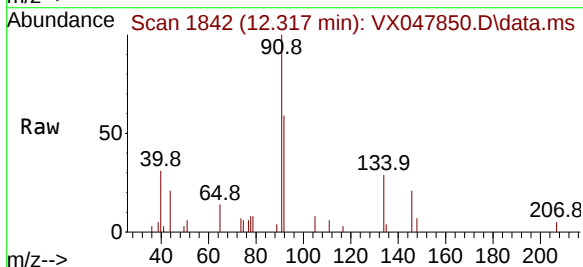
Instrument :
MSVOA_X
ClientSampleId :
VX0926WBL01

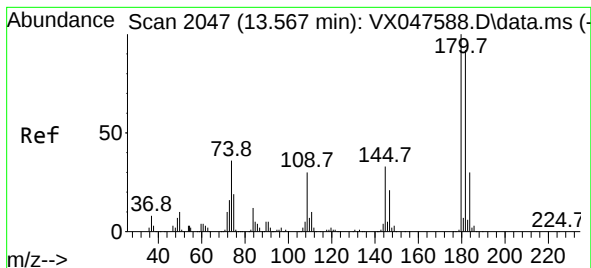
Tgt Ion: 75 Resp: 92157
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#



#89
n-Butylbenzene
Concen: 0.221 ug/l
RT: 12.317 min Scan# 1842
Delta R.T. 0.006 min
Lab File: VX047850.D
Acq: 26 Sep 2025 11:43

Tgt Ion: 91 Resp: 2423
Ion Ratio Lower Upper
91 100
92 49.6 27.6 82.7
134 24.2 12.6 37.8





#93

1,2,4-Trichlorobenzene

Concen: 0.250 ug/l

RT: 13.567 min Scan# 2047

Delta R.T. -0.000 min

Lab File: VX047850.D

Acq: 26 Sep 2025 11:43

Instrument :

MSVOA_X

ClientSampleId :

VX0926WBL01

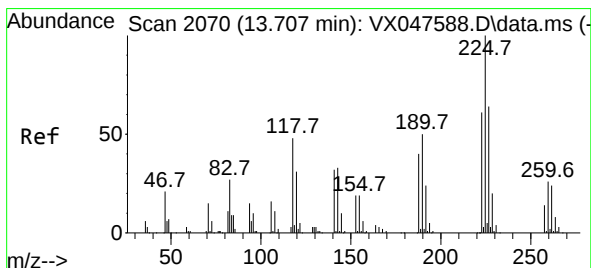
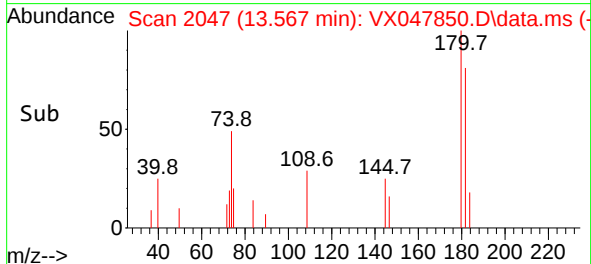
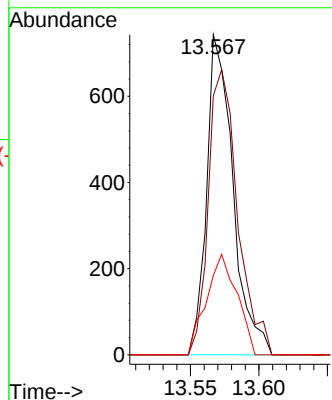
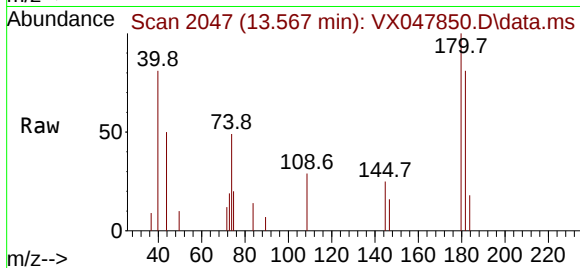
Tgt Ion:180 Resp: 992

Ion Ratio Lower Upper

180 100

182 99.2 46.6 139.8

145 36.5 16.4 49.1



#94

Hexachlorobutadiene

Concen: 0.781 ug/l

RT: 13.707 min Scan# 2070

Delta R.T. -0.000 min

Lab File: VX047850.D

Acq: 26 Sep 2025 11:43

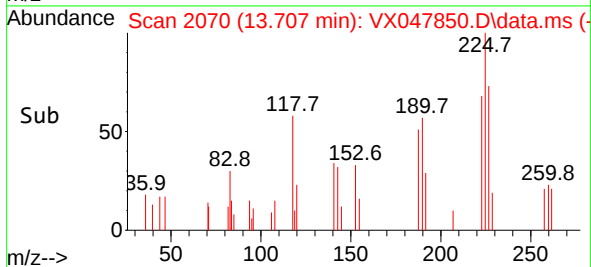
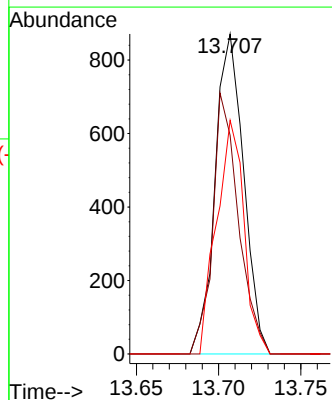
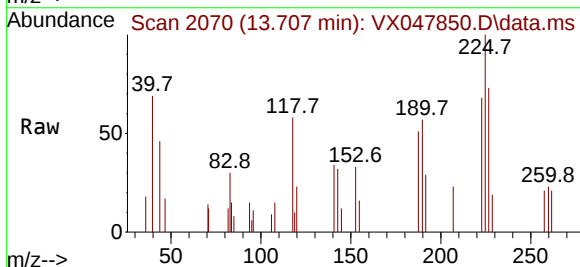
Tgt Ion:225 Resp: 1050

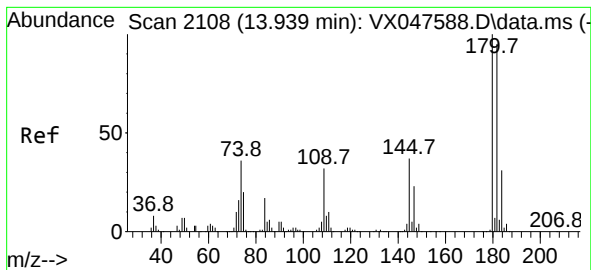
Ion Ratio Lower Upper

225 100

223 73.7 31.7 95.1

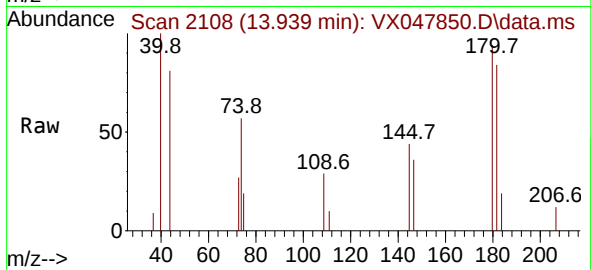
227 70.3 32.0 96.0





#96
 1,2,3-Trichlorobenzene
 Concen: 0.231 ug/l
 RT: 13.939 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX047850.D
 Acq: 26 Sep 2025 11:43

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0926WBL01



Tgt Ion:	180	Resp:	851
Ion	Ratio	Lower	Upper
180	100		
182	81.1	47.6	142.8
145	30.9	17.9	53.7

