

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
 Data File : VX047903.D
 Acq On : 30 Sep 2025 12:30
 Operator : JC/MD
 Sample : Q3156-13RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 EB02-20250918

Quant Time: Oct 01 01:08:01 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)

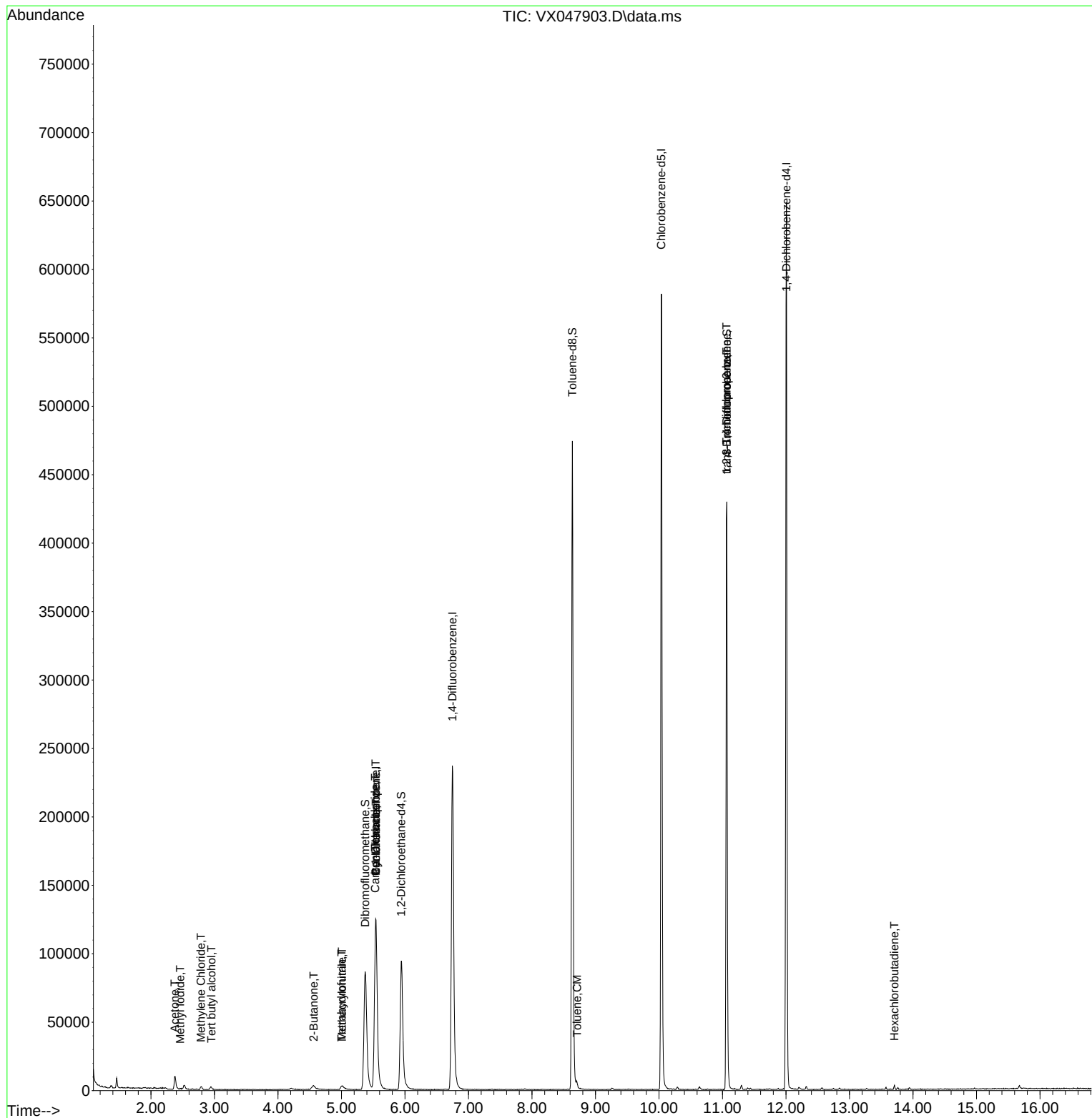
Internal Standards						
1) Pentafluorobenzene	5.544	168	125275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	259422	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	266390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	130961	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	102146	51.225	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.460%	
35) Dibromofluoromethane	5.373	113	85252	49.000	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.000%	
50) Toluene-d8	8.635	98	292362	48.564	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 97.120%	
62) 4-Bromofluorobenzene	11.067	95	123949	54.250	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 108.500%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	2.459	142	670	0.296	ug/l #	89
11) Tert butyl alcohol	2.953	59	1410	6.349	ug/l #	72
16) Acetone	2.374	43	12160	14.025	ug/l	93
20) Methylene Chloride	2.788	84	956	0.521	ug/l #	94
25) 2-Butanone	4.562	43	2900	2.681	ug/l	97
29) Tetrahydrofuran	5.001	42	3116	4.789	ug/l #	85
31) Cyclohexane	5.544	56	2966	1.126	ug/l #	17
36) 1,1-Dichloropropene	5.538	75	10842	4.265	ug/l #	46
38) Carbon Tetrachloride	5.532	117	13384	4.845	ug/l #	18
41) Methacrylonitrile	5.007	41	2039	1.451	ug/l #	47
52) Toluene	8.708	92	1588	0.334	ug/l	78
76) 1,2,3-Trichloropropane	11.061	75	64326	24.260	ug/l #	40
81) trans-1,4-Dichloro-2-b...	11.061	75	64326	61.866	ug/l #	8
94) Hexachlorobutadiene	13.707	225	433	0.452	ug/l	87

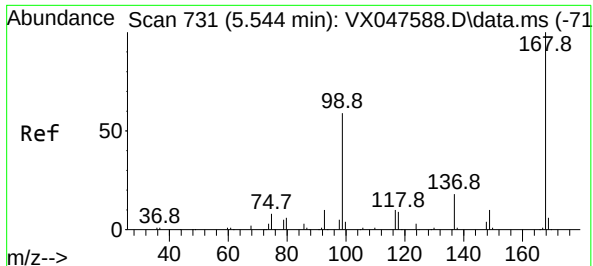
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX093025\
Data File : VX047903.D
Acq On : 30 Sep 2025 12:30
Operator : JC/MD
Sample : Q3156-13RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EB02-20250918

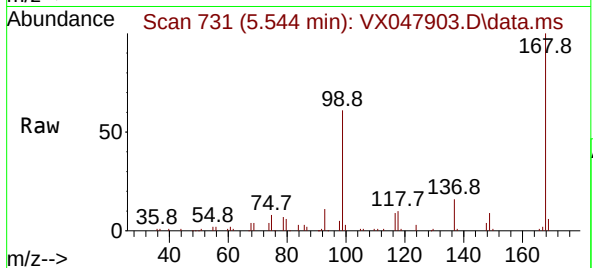
Quant Time: Oct 01 01:08:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091625W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 17 06:39:58 2025
Response via : Initial Calibration



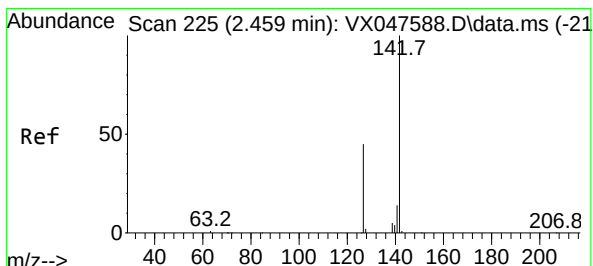
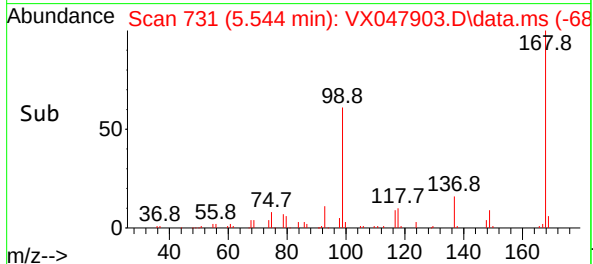
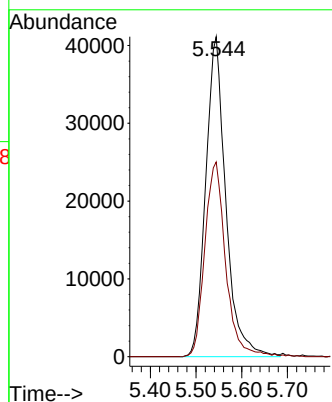


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX047903.D
Acq: 30 Sep 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
EB02-20250918

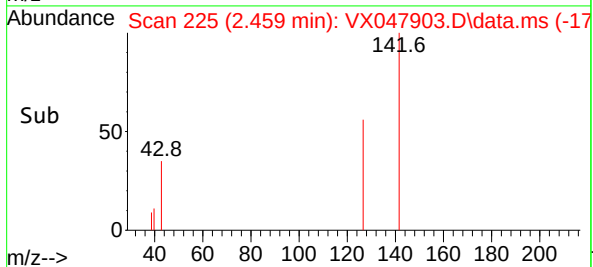
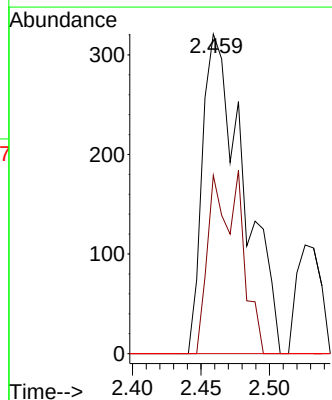
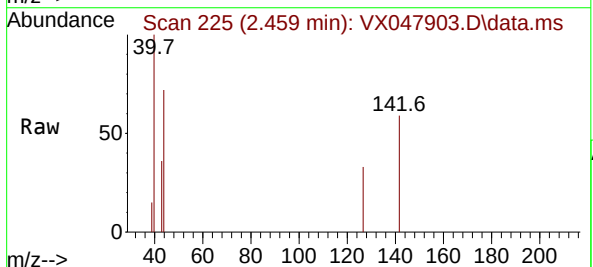


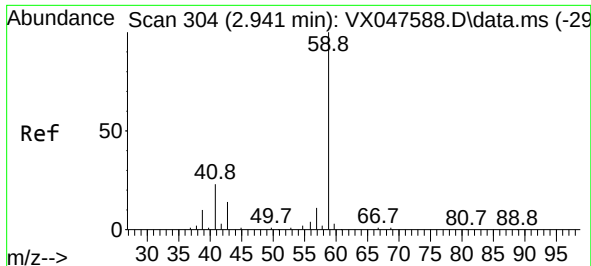
Tgt Ion:168 Resp: 125275
Ion Ratio Lower Upper
168 100
99 60.9 48.8 73.2



#10
Methyl Iodide
Concen: 0.296 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.000 min
Lab File: VX047903.D
Acq: 30 Sep 2025 12:30

Tgt Ion:142 Resp: 670
Ion Ratio Lower Upper
142 100
127 43.9 37.2 55.8
141 0.0 11.4 17.0#

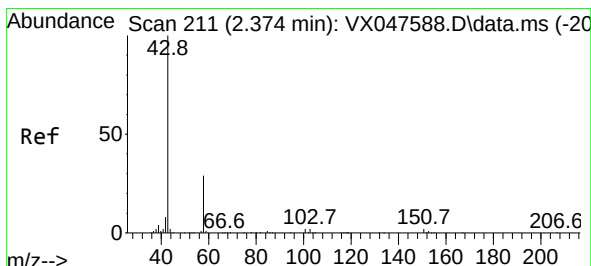
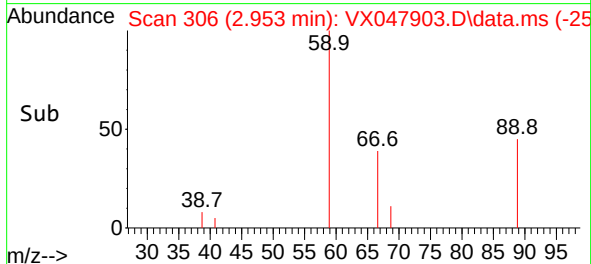
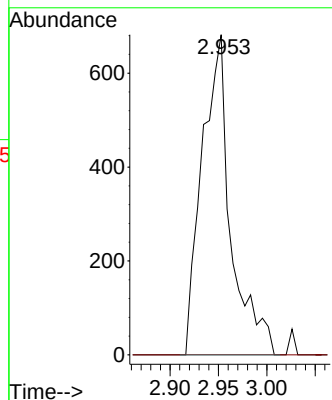
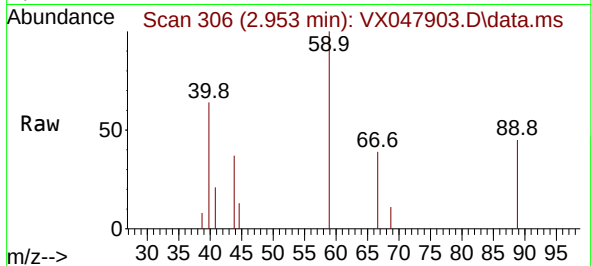




#11
Tert butyl alcohol
Concen: 6.349 ug/l
RT: 2.953 min Scan# 304
Delta R.T. 0.012 min
Lab File: VX047903.D
Acq: 30 Sep 2025 12:30

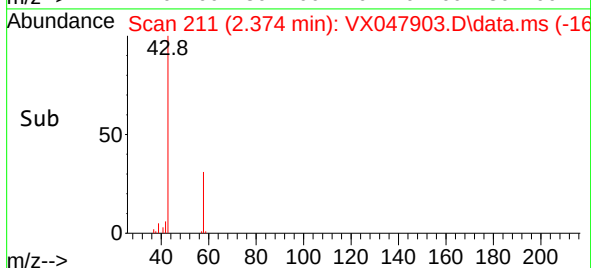
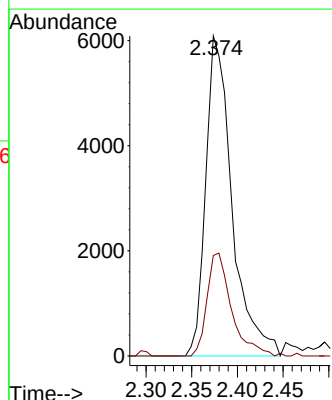
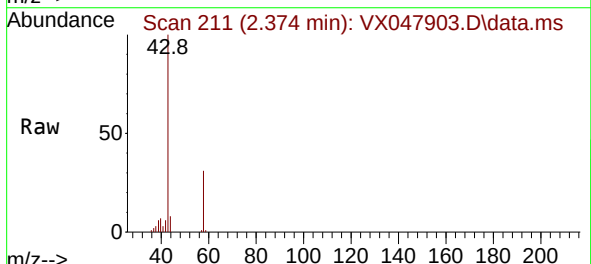
Instrument :
MSVOA_X
ClientSampleId :
EB02-20250918

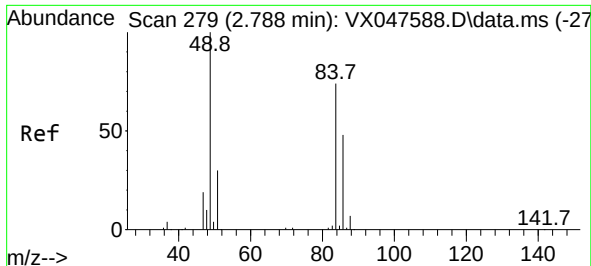
Tgt Ion: 59 Resp: 1410
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 14.025 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX047903.D
Acq: 30 Sep 2025 12:30

Tgt Ion: 43 Resp: 12160
Ion Ratio Lower Upper
43 100
58 32.7 23.4 35.0

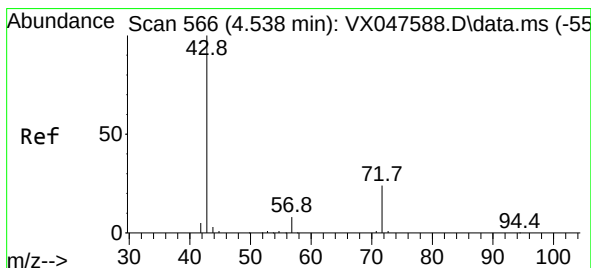
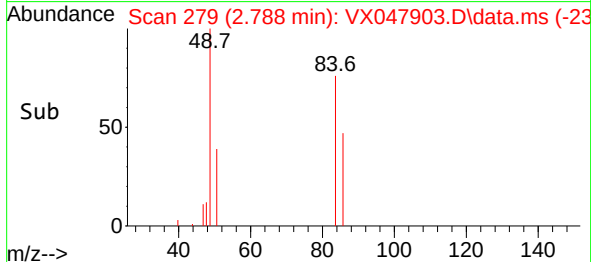
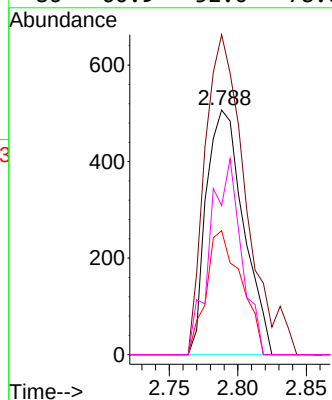
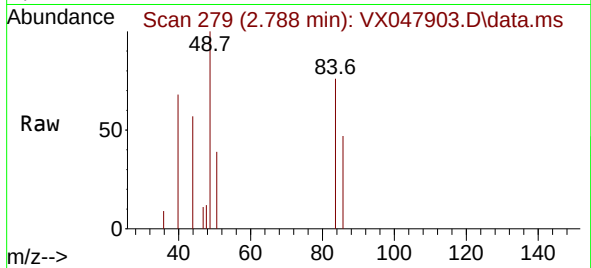




#20
Methylene Chloride
Concen: 0.521 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047903.D
Acq: 30 Sep 2025 12:30

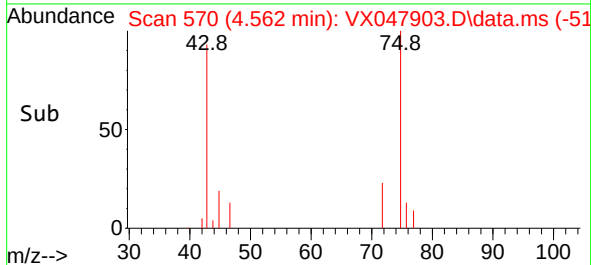
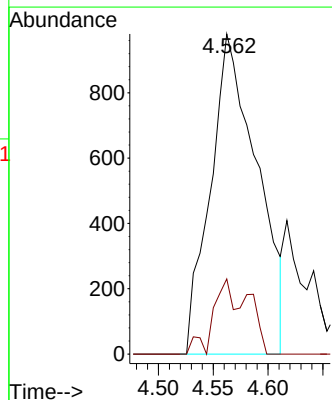
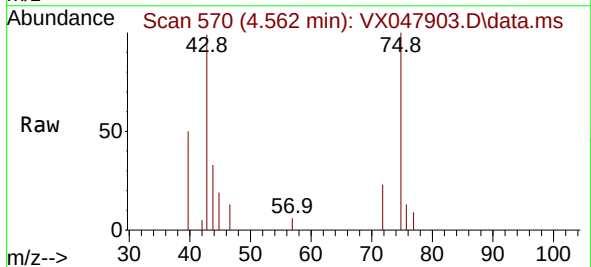
Instrument :
MSVOA_X
ClientSampleId :
EB02-20250918

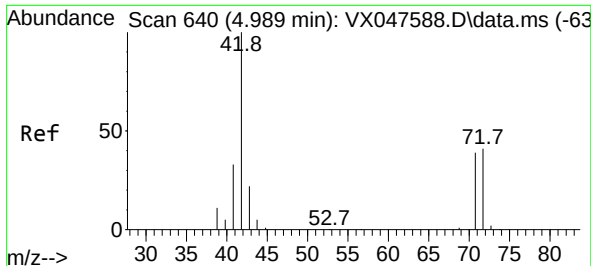
Tgt Ion:	84	Resp:	956
Ion	Ratio	Lower	Upper
84	100		
49	130.8	108.6	162.8
51	50.7	32.6	48.8#
86	60.9	52.0	78.0



#25
2-Butanone
Concen: 2.681 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.024 min
Lab File: VX047903.D
Acq: 30 Sep 2025 12:30

Tgt Ion:	43	Resp:	2900
Ion	Ratio	Lower	Upper
43	100		
72	23.5	20.1	30.1





#29

Tetrahydrofuran

Concen: 4.789 ug/l

RT: 5.001 min Scan# 640

Delta R.T. 0.012 min

Lab File: VX047903.D

Acq: 30 Sep 2025 12:30

Instrument :

MSVOA_X

ClientSampleId :

EB02-20250918

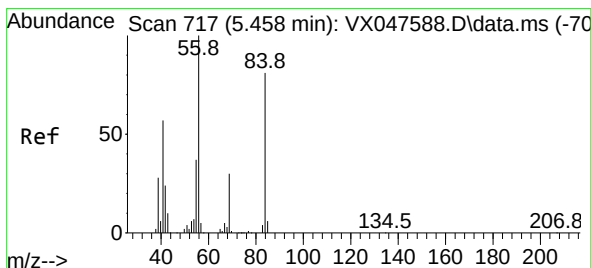
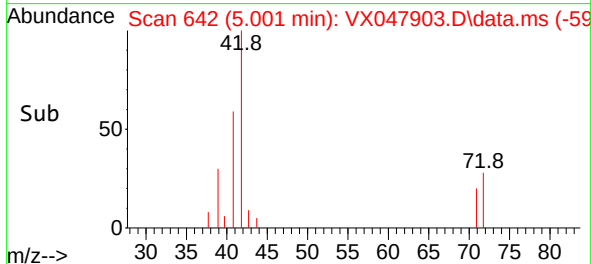
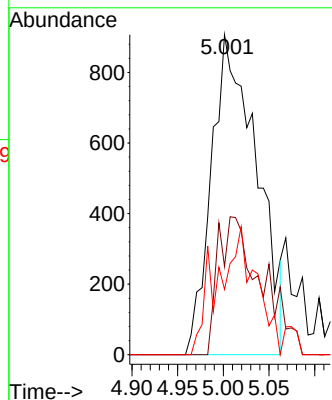
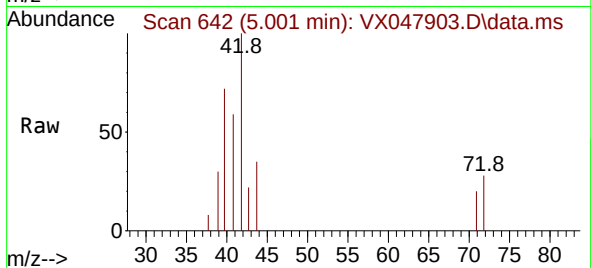
Tgt Ion: 42 Resp: 3116

Ion Ratio Lower Upper

42 100

72 41.5 34.2 51.2

71 22.6 31.9 47.9#



#31

Cyclohexane

Concen: 1.126 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.085 min

Lab File: VX047903.D

Acq: 30 Sep 2025 12:30

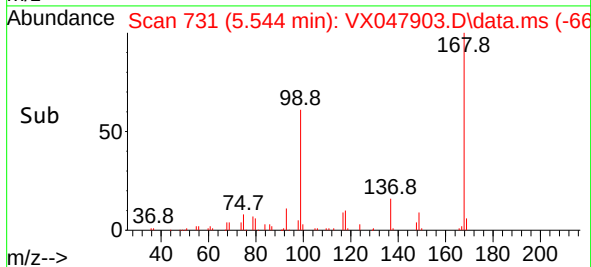
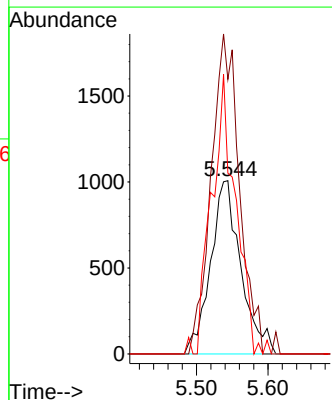
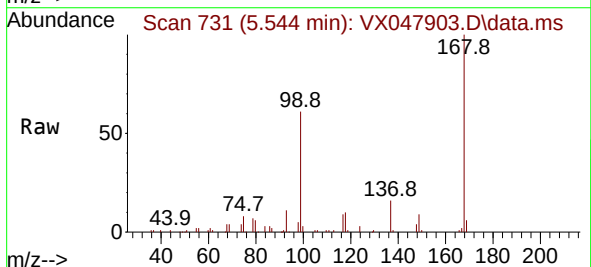
Tgt Ion: 56 Resp: 2966

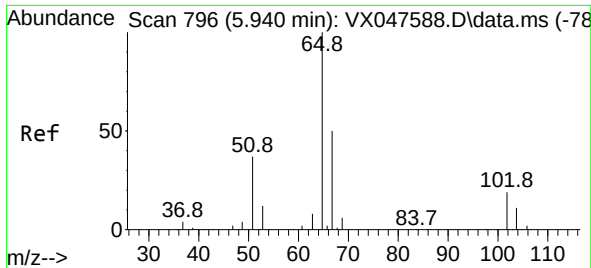
Ion Ratio Lower Upper

56 100

69 158.4 23.8 35.8#

84 104.3 64.6 97.0#

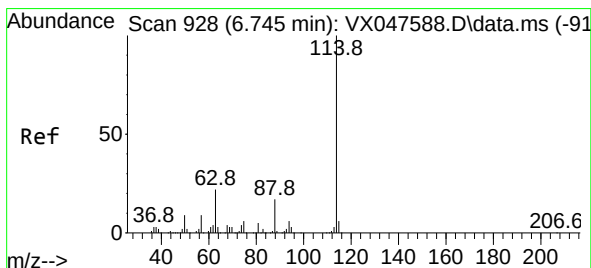
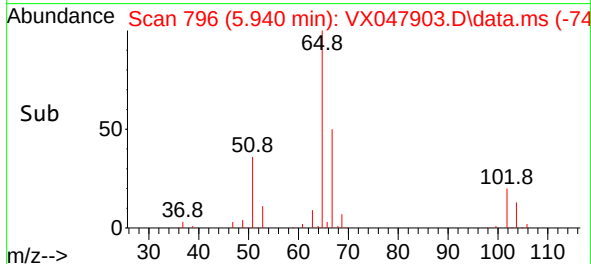
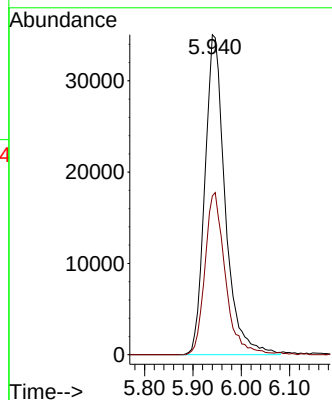
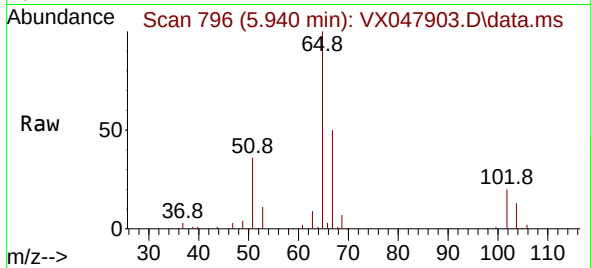




#33
 1,2-Dichloroethane-d4
 Concen: 51.225 ug/l
 RT: 5.940 min Scan# 796
 Delta R.T. 0.000 min
 Lab File: VX047903.D
 Acq: 30 Sep 2025 12:30

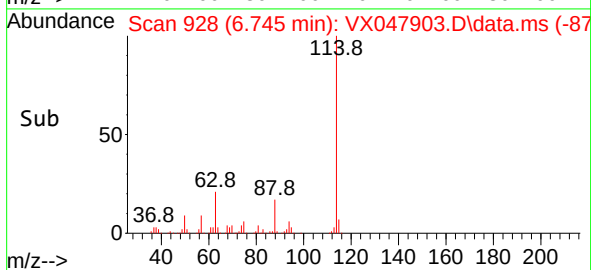
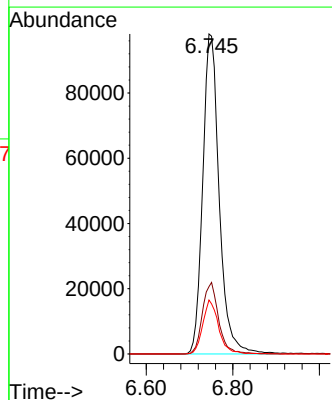
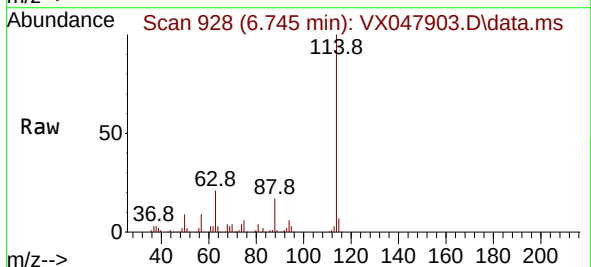
Instrument :
 MSVOA_X
 ClientSampleId :
 EB02-20250918

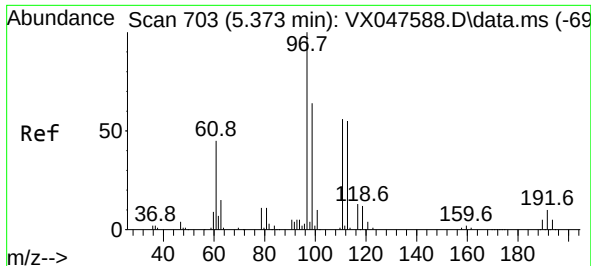
Tgt Ion: 65 Resp: 102146
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.745 min Scan# 928
 Delta R.T. 0.000 min
 Lab File: VX047903.D
 Acq: 30 Sep 2025 12:30

Tgt Ion: 114 Resp: 259422
 Ion Ratio Lower Upper
 114 100
 63 21.1 0.0 44.0
 88 16.9 0.0 34.2

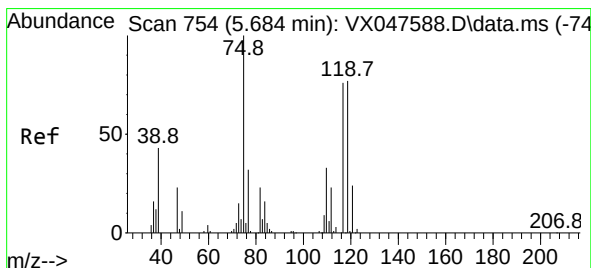
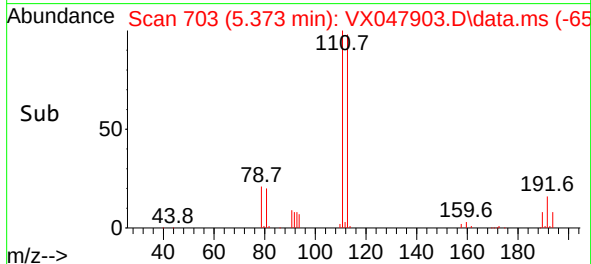
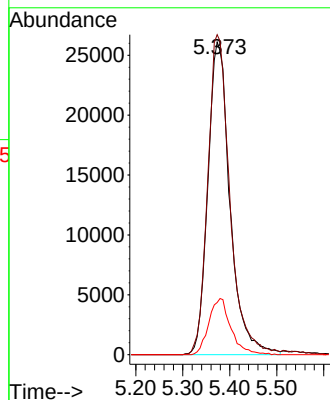
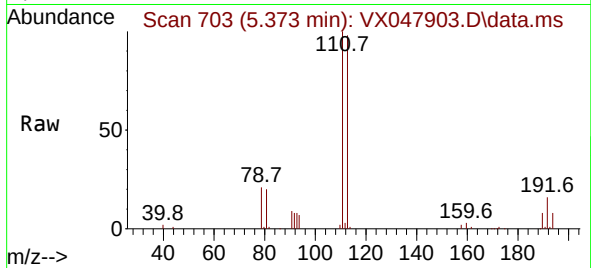




#35
Dibromofluoromethane
Concen: 49.000 ug/l
RT: 5.373 min Scan# 703
Delta R.T. 0.000 min
Lab File: VX047903.D
Acq: 30 Sep 2025 12:30

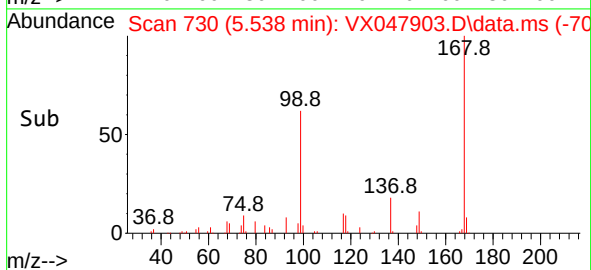
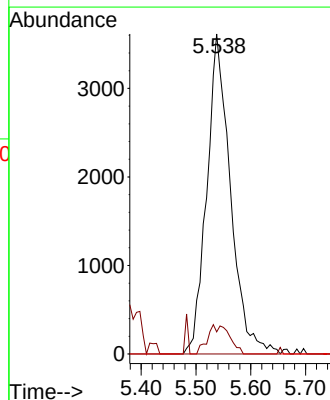
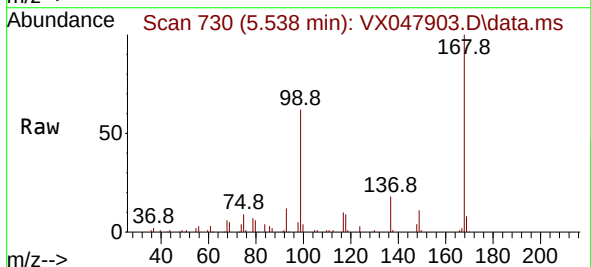
Instrument :
MSVOA_X
ClientSampleId :
EB02-20250918

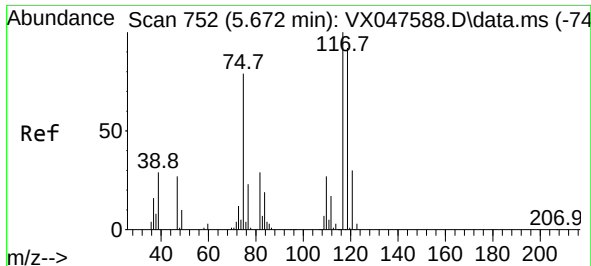
Tgt Ion:113 Resp: 85252
Ion Ratio Lower Upper
113 100
111 102.5 80.9 121.3
192 18.0 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.265 ug/l
RT: 5.538 min Scan# 730
Delta R.T. -0.146 min
Lab File: VX047903.D
Acq: 30 Sep 2025 12:30

Tgt Ion: 75 Resp: 10842
Ion Ratio Lower Upper
75 100
110 3.9 16.7 50.1#
77 0.0 24.3 36.5#

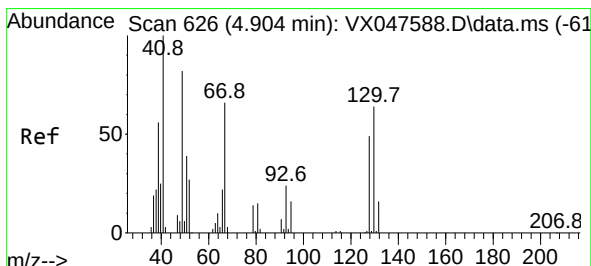
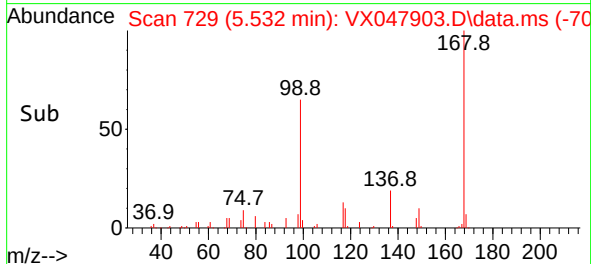
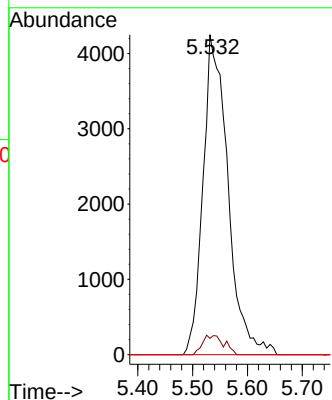
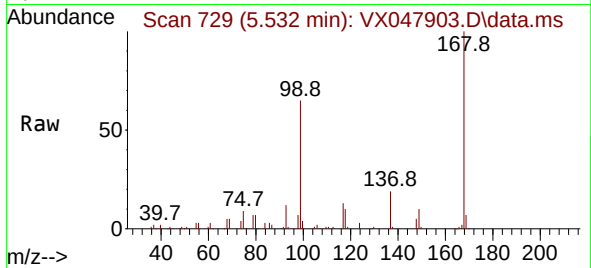




#38
Carbon Tetrachloride
Concen: 4.845 ug/l
RT: 5.532 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX047903.D
Acq: 30 Sep 2025 12:30

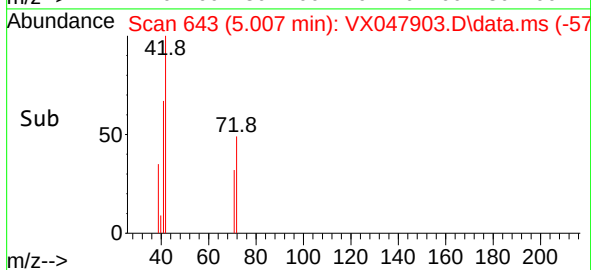
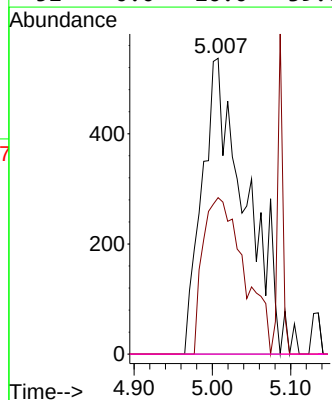
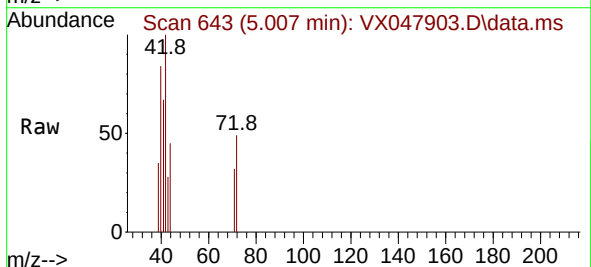
Instrument :
MSVOA_X
ClientSampleId :
EB02-20250918

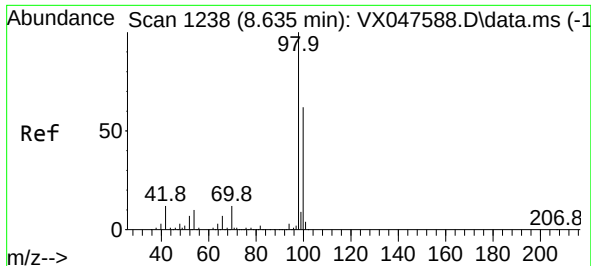
Tgt Ion:117 Resp: 13384
Ion Ratio Lower Upper
117 100
119 5.1 73.4 110.2#
121 0.0 23.8 35.6#



#41
Methacrylonitrile
Concen: 1.451 ug/l
RT: 5.007 min Scan# 643
Delta R.T. 0.104 min
Lab File: VX047903.D
Acq: 30 Sep 2025 12:30

Tgt Ion: 41 Resp: 2039
Ion Ratio Lower Upper
41 100
39 51.0 43.3 64.9
67 0.0 58.6 87.8#
52 0.0 26.0 39.0#

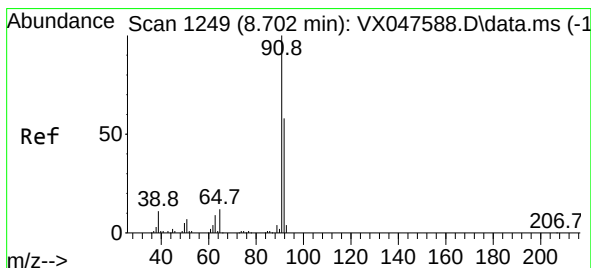
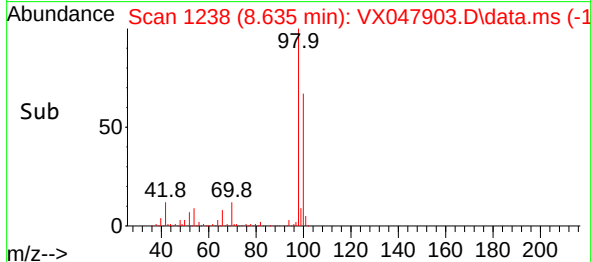
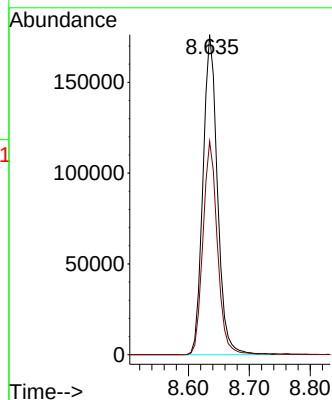
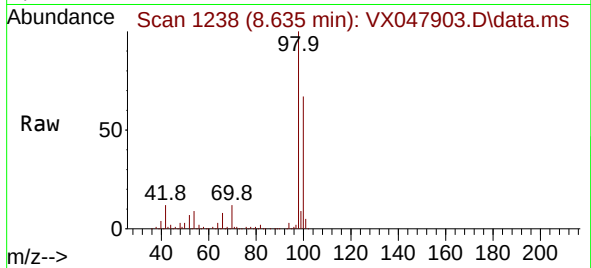




#50
Toluene-d8
Concen: 48.564 ug/l
RT: 8.635 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047903.D
Acq: 30 Sep 2025 12:30

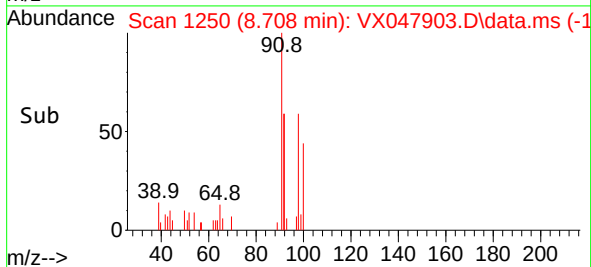
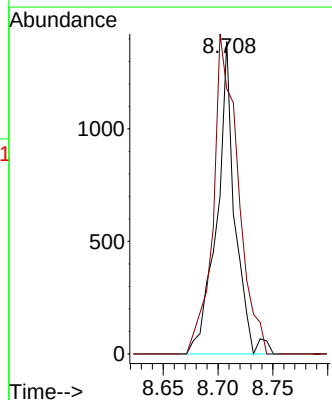
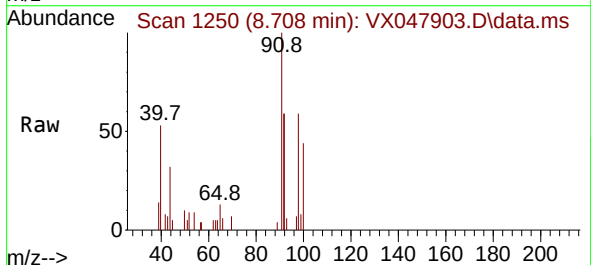
Instrument :
MSVOA_X
ClientSampleId :
EB02-20250918

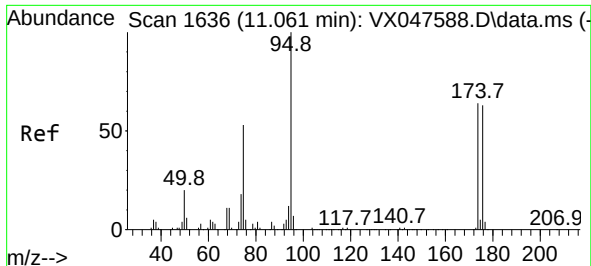
Tgt Ion: 98 Resp: 292362
Ion Ratio Lower Upper
98 100
100 66.2 53.0 79.4



#52
Toluene
Concen: 0.334 ug/l
RT: 8.708 min Scan# 1250
Delta R.T. 0.006 min
Lab File: VX047903.D
Acq: 30 Sep 2025 12:30

Tgt Ion: 92 Resp: 1588
Ion Ratio Lower Upper
92 100
91 141.0 137.1 205.7

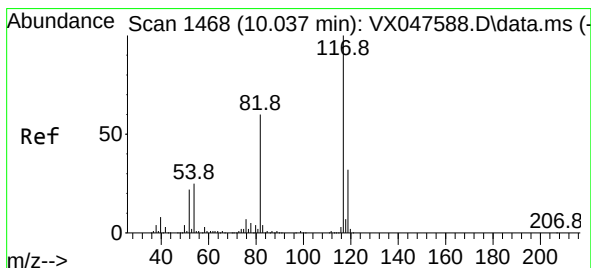
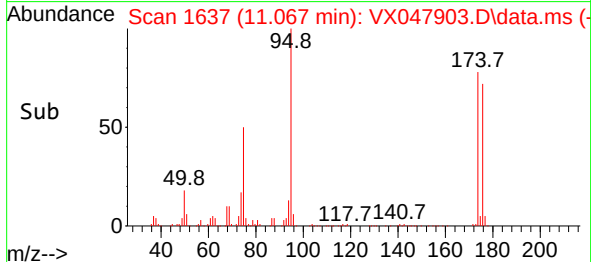
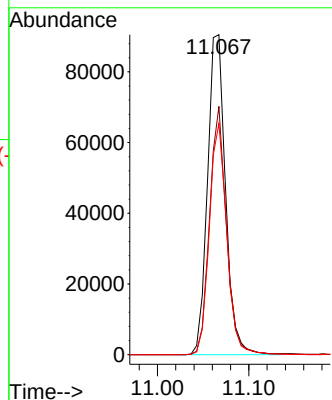
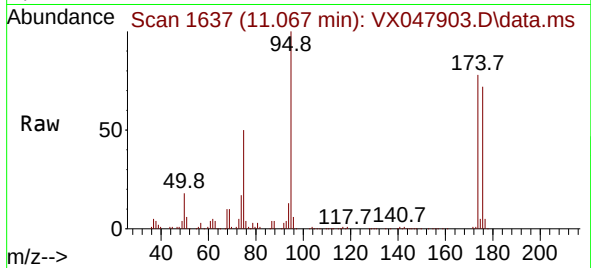




#62
4-Bromofluorobenzene
Concen: 54.250 ug/l
RT: 11.067 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047903.D
Acq: 30 Sep 2025 12:30

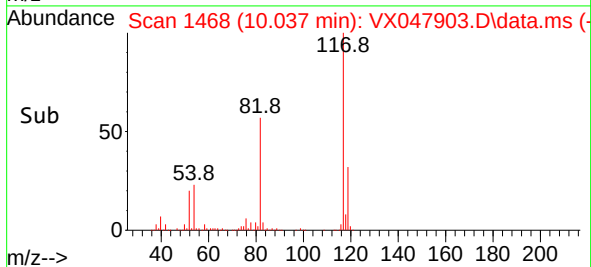
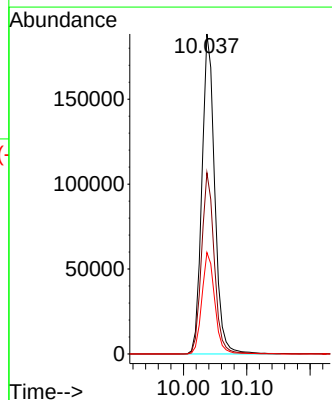
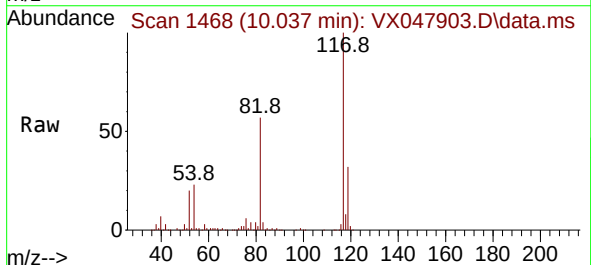
Instrument :
MSVOA_X
ClientSampleId :
EB02-20250918

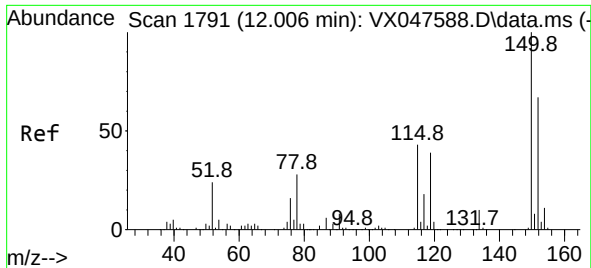
Tgt Ion: 95 Resp: 123949
Ion Ratio Lower Upper
95 100
174 72.9 0.0 141.6
176 69.8 0.0 138.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. 0.000 min
Lab File: VX047903.D
Acq: 30 Sep 2025 12:30

Tgt Ion: 117 Resp: 266390
Ion Ratio Lower Upper
117 100
82 56.6 47.8 71.6
119 31.7 25.2 37.8

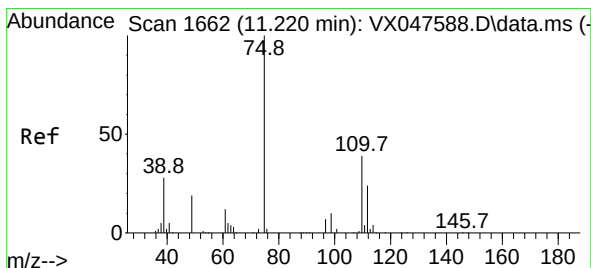
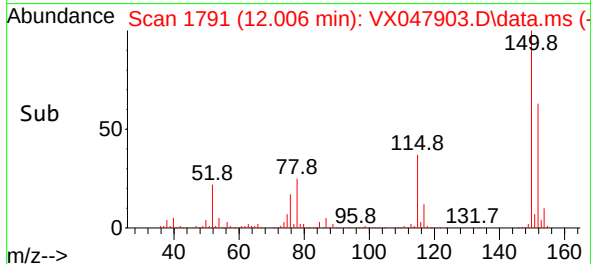
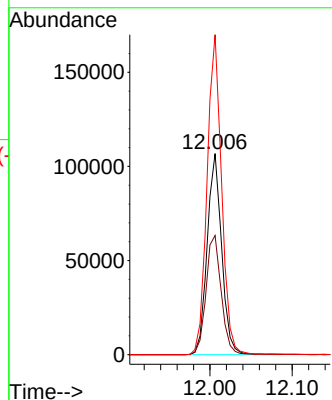
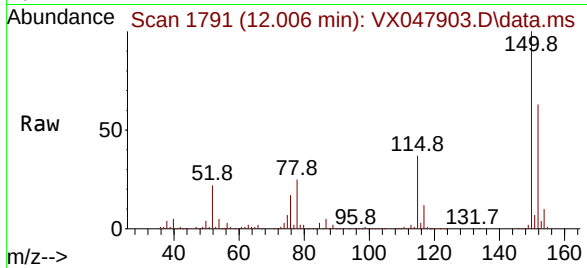




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.006 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX047903.D
 Acq: 30 Sep 2025 12:30

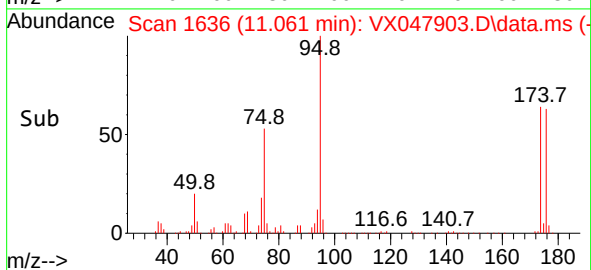
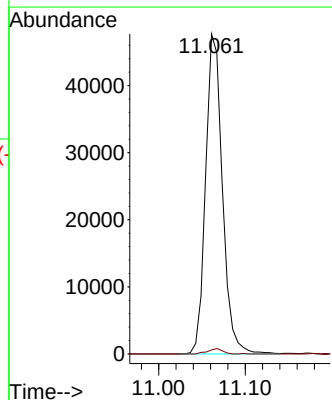
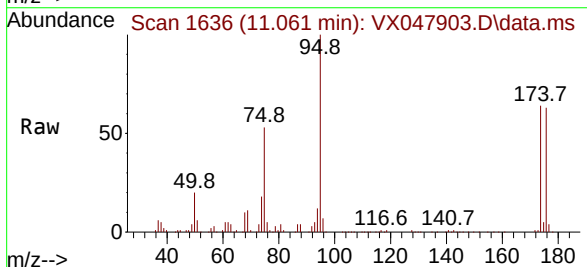
Instrument :
 MSVOA_X
 ClientSampleId :
 EB02-20250918

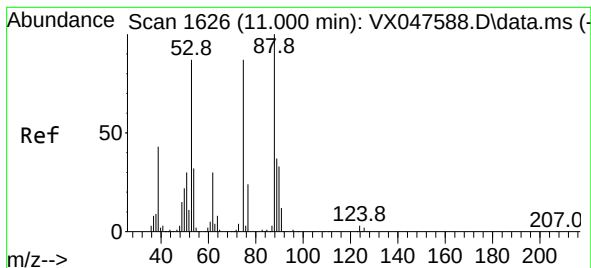
Tgt Ion:152 Resp: 130961
 Ion Ratio Lower Upper
 152 100
 115 62.3 44.9 134.5
 150 160.0 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 24.260 ug/l
 RT: 11.061 min Scan# 1636
 Delta R.T. -0.158 min
 Lab File: VX047903.D
 Acq: 30 Sep 2025 12:30

Tgt Ion: 75 Resp: 64326
 Ion Ratio Lower Upper
 75 100
 77 1.4 18.8 56.4#

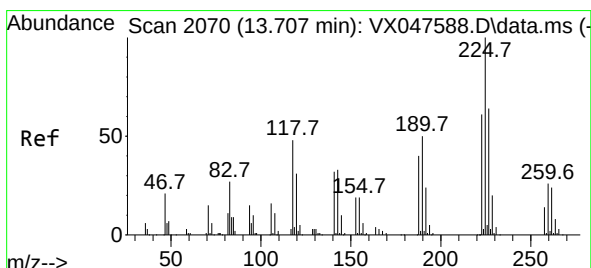
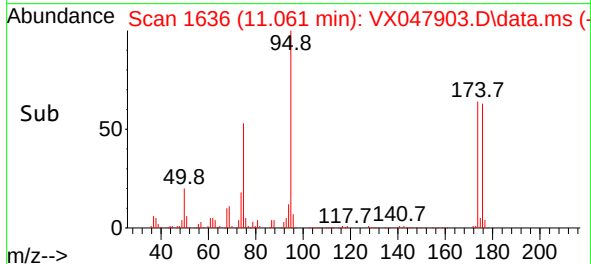
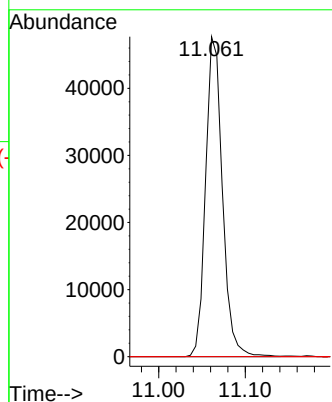
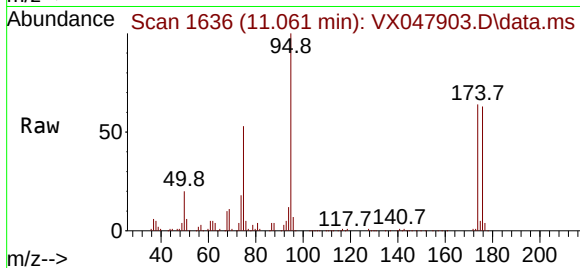




#81
trans-1,4-Dichloro-2-butene
Concen: 61.866 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. 0.061 min
Lab File: VX047903.D
Acq: 30 Sep 2025 12:30

Instrument :
MSVOA_X
ClientSampleId :
EB02-20250918

Tgt Ion: 75 Resp: 64326
Ion Ratio Lower Upper
75 100
53 0.0 83.4 125.2#
89 0.0 36.3 54.5#



#94
Hexachlorobutadiene
Concen: 0.452 ug/l
RT: 13.707 min Scan# 2070
Delta R.T. 0.000 min
Lab File: VX047903.D
Acq: 30 Sep 2025 12:30

Tgt Ion: 225 Resp: 433
Ion Ratio Lower Upper
225 100
223 68.6 31.7 95.1
227 78.5 32.0 96.0

