

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080222\
 Data File : VX030349.D
 Acq On : 02 Aug 2022 13:57
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Aug 03 01:06:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072522W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 25 16:49:17 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

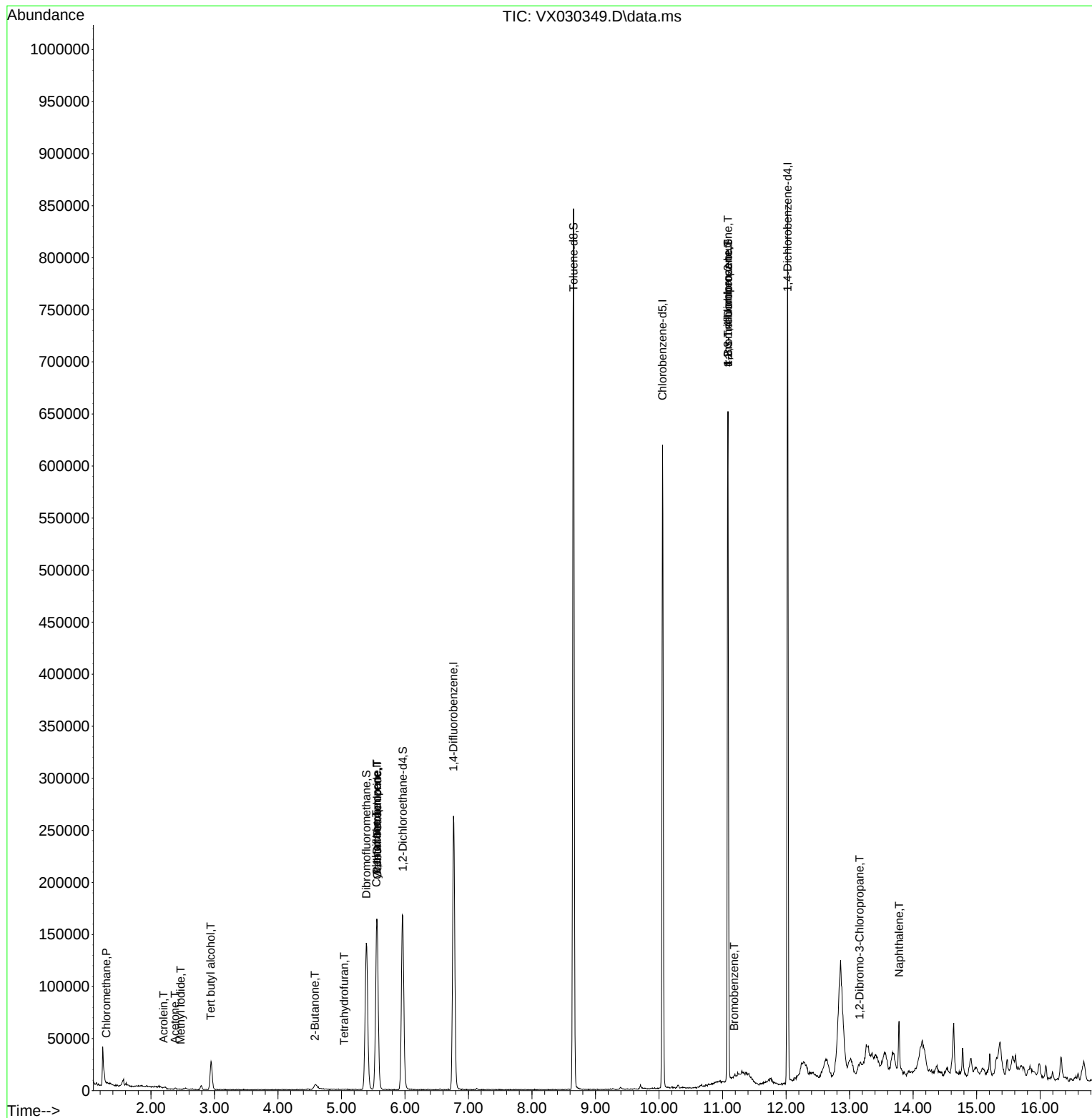
Internal Standards						
1) Pentafluorobenzene	5.556	168	154801	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	274562	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	273245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	163116	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	159935	51.403	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	102.800%
35) Dibromofluoromethane	5.391	113	126621	48.243	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.480%
50) Toluene-d8	8.653	98	494106	48.611	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.220%
62) 4-Bromofluorobenzene	11.085	95	177770	47.125	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	94.260%
Target Compounds						
					Qvalue	
3) Chloromethane	1.294	50	510	0.203	ug/l #	88
5) Bromomethane	1.611	94	737	Below Cal	#	63
10) Methyl Iodide	2.465	142	439	1.701	ug/l #	89
11) Tert butyl alcohol	2.941	59	16058	21.158	ug/l #	79
13) Acrolein	2.197	56	76	0.407	ug/l #	37
16) Acetone	2.380	43	1414	0.888	ug/l #	85
20) Methylene Chloride	2.788	84	1814	Below Cal	#	85
25) 2-Butanone	4.580	43	615	0.230	ug/l #	48
29) Tetrahydrofuran	5.044	42	453	0.252	ug/l #	32
31) Cyclohexane	5.550	56	3715	0.822	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	13344	3.533	ug/l #	49
38) Carbon Tetrachloride	5.562	117	15743	4.465	ug/l #	16
67) Ethyl Benzene	10.201	91	452	Below Cal		96
76) 1,2,3-Trichloropropane	11.085	75	87181	20.276	ug/l #	38
77) Bromobenzene	11.183	156	613	0.205	ug/l #	32
81) trans-1,4-Dichloro-2-b...	11.085	75	87181	60.827	ug/l #	13
92) 1,2-Dibromo-3-Chloropr...	13.158	75	372	0.333	ug/l	78
95) Naphthalene	13.780	128	31581	2.444	ug/l	97

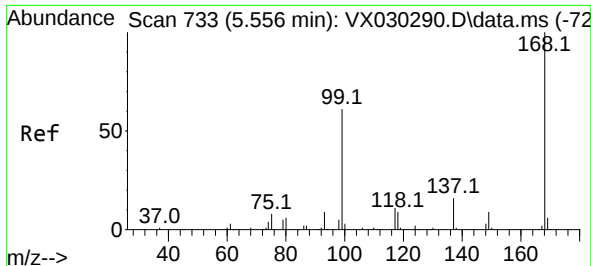
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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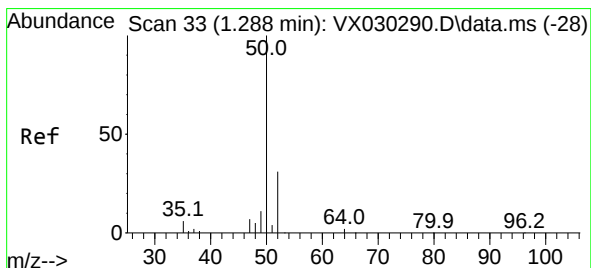
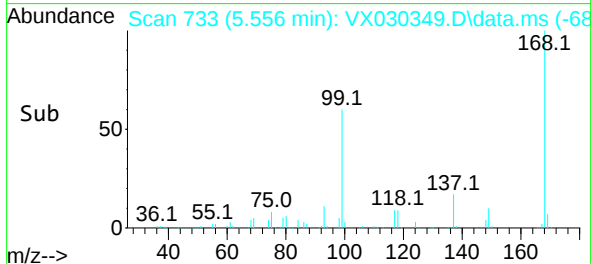
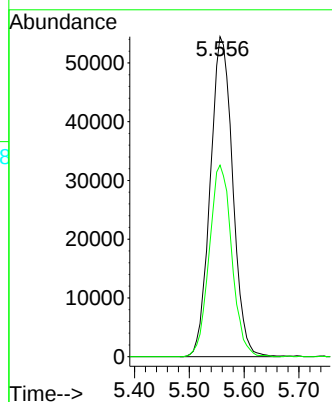
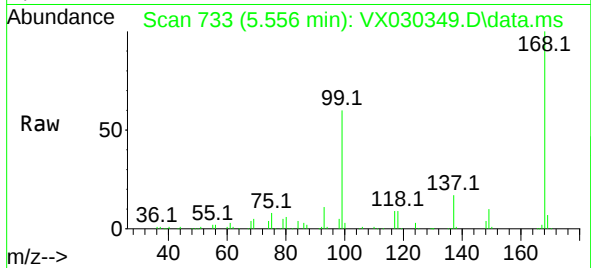




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030349.D
Acq: 02 Aug 2022 13:57

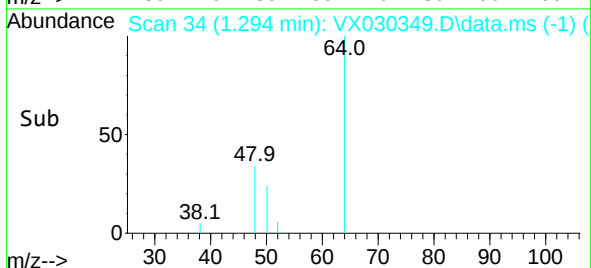
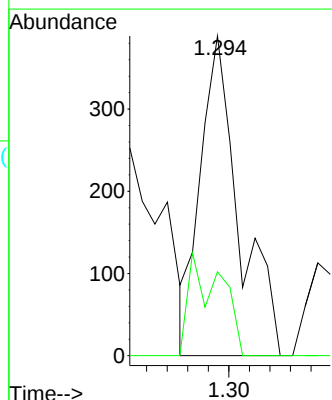
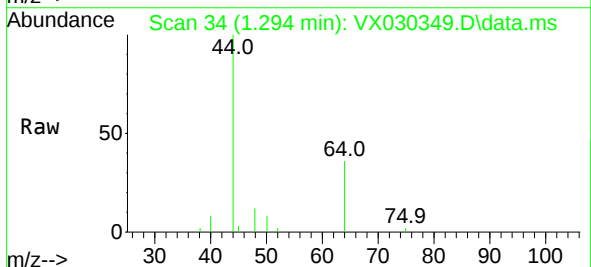
Instrument :
MSVOA_X
ClientSampleId :
IBLK

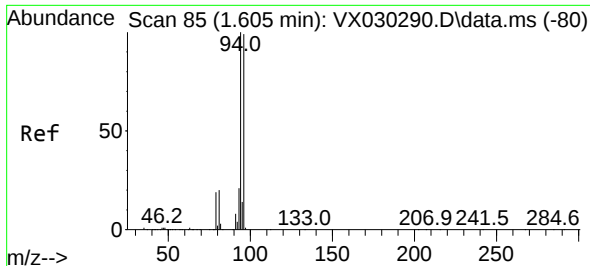
Tgt Ion:168 Resp: 154801
Ion Ratio Lower Upper
168 100
99 59.9 44.0 66.0



#3
Chloromethane
Concen: 0.203 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX030349.D
Acq: 02 Aug 2022 13:57

Tgt Ion: 50 Resp: 510
Ion Ratio Lower Upper
50 100
52 26.2 26.3 39.5#

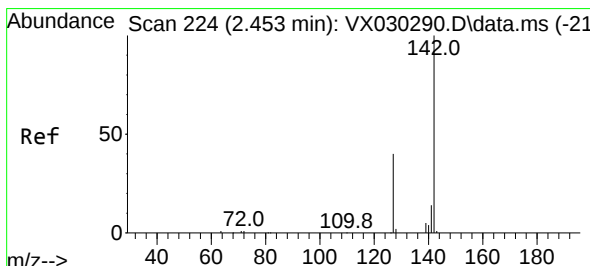
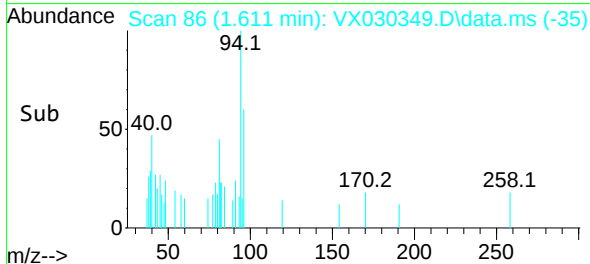
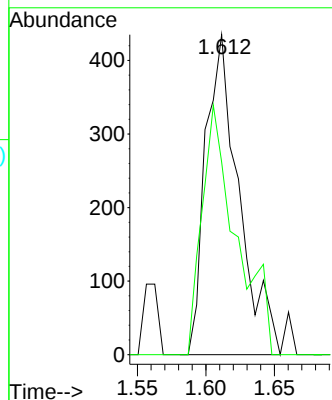
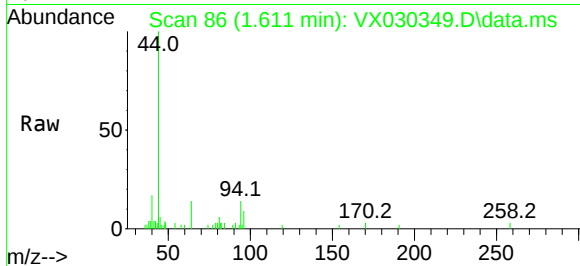




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX030349.D
Acq: 02 Aug 2022 13:57

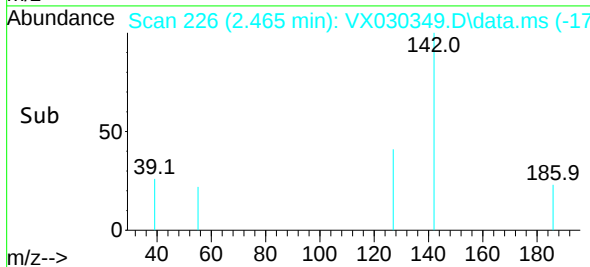
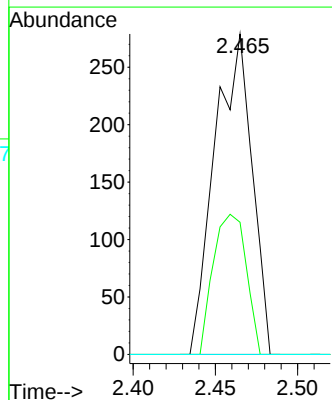
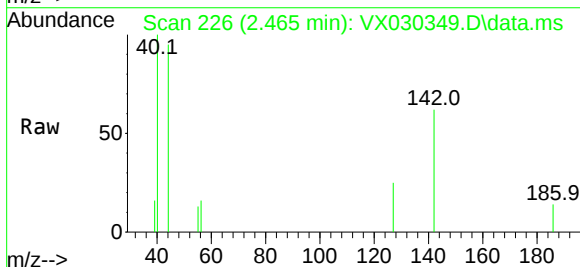
Instrument :
MSVOA_X
ClientSampleId :
IBLK

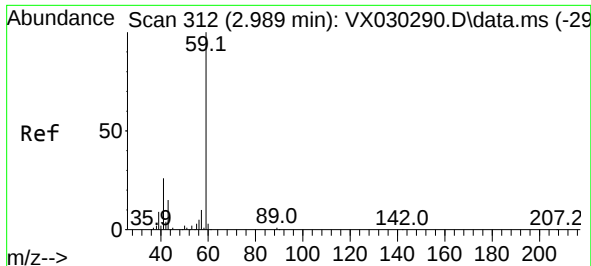
Tgt Ion: 94 Resp: 737
Ion Ratio Lower Upper
94 100
96 60.2 76.9 115.3#



#10
Methyl Iodide
Concen: 1.701 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.019 min
Lab File: VX030349.D
Acq: 02 Aug 2022 13:57

Tgt Ion: 142 Resp: 439
Ion Ratio Lower Upper
142 100
127 38.7 30.2 45.2
141 0.0 11.3 16.9#

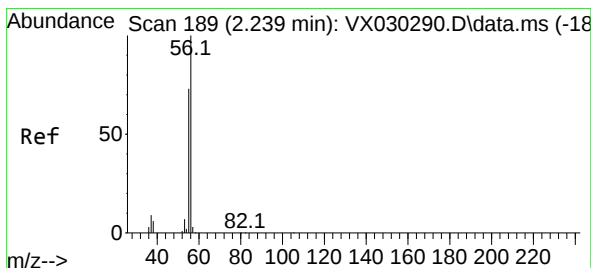
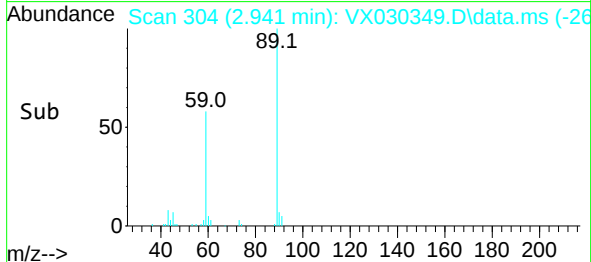
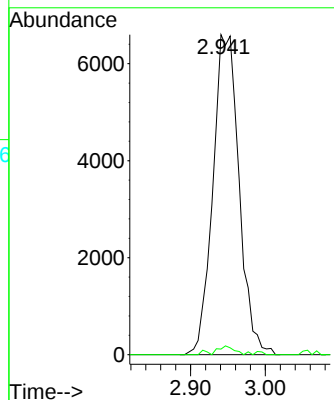
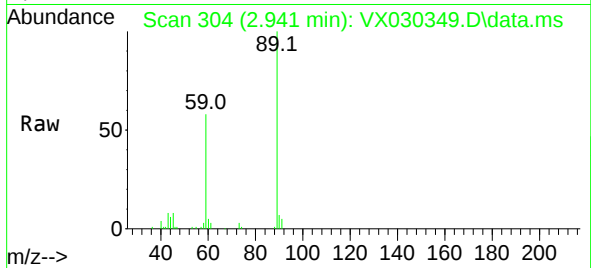




#11
Tert butyl alcohol
Concen: 21.158 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.036 min
Lab File: VX030349.D
Acq: 02 Aug 2022 13:57

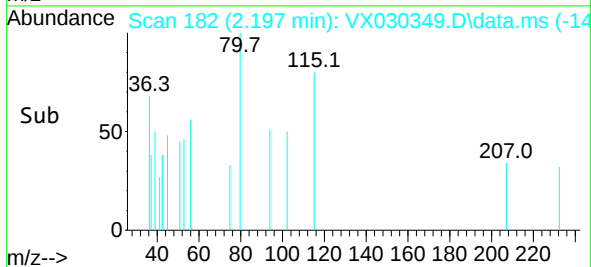
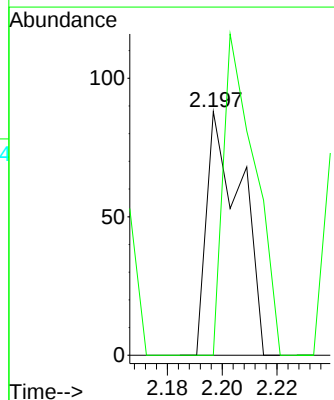
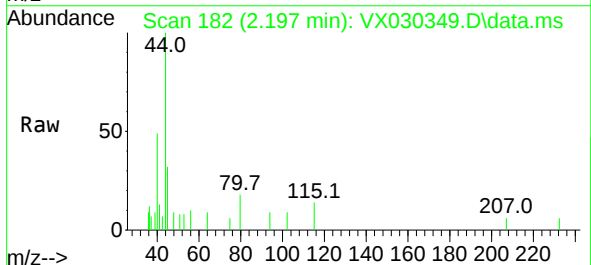
Instrument :
MSVOA_X
ClientSampleId :
IBLK

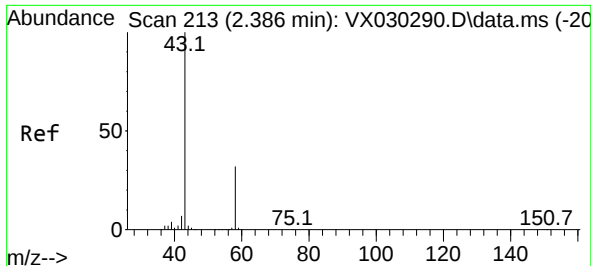
Tgt Ion: 59 Resp: 16058
Ion Ratio Lower Upper
59 100
57 1.6 7.4 11.2#



#13
Acrolein
Concen: 0.407 ug/l
RT: 2.197 min Scan# 182
Delta R.T. -0.042 min
Lab File: VX030349.D
Acq: 02 Aug 2022 13:57

Tgt Ion: 56 Resp: 76
Ion Ratio Lower Upper
56 100
55 122.4 56.6 84.8#

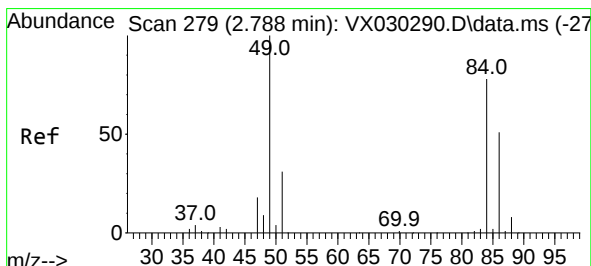
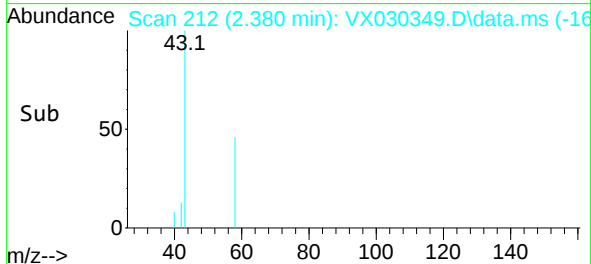
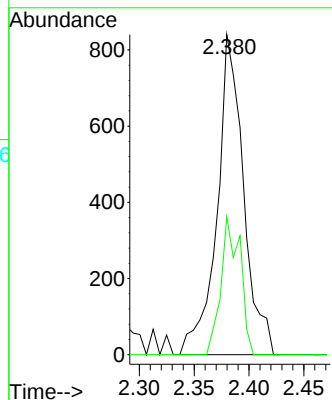
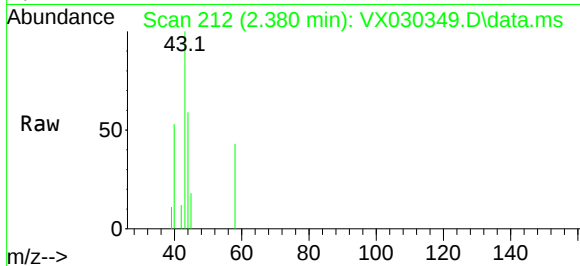




#16
Acetone
Concen: 0.888 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.005 min
Lab File: VX030349.D
Acq: 02 Aug 2022 13:57

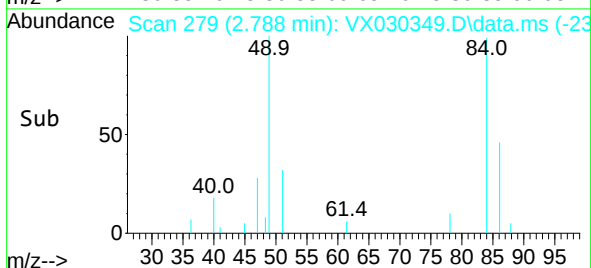
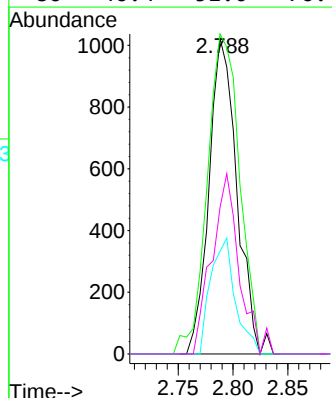
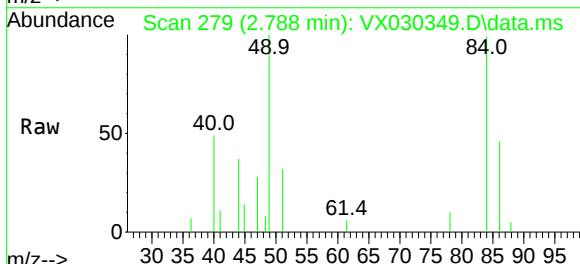
Instrument :
MSVOA_X
ClientSampleId :
IBLK

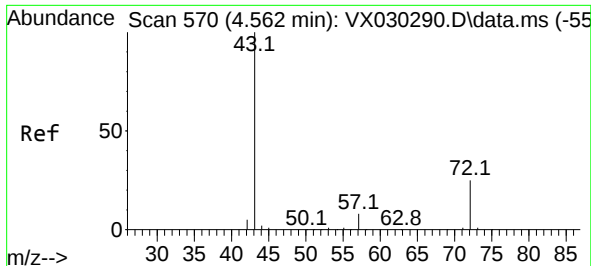
Tgt Ion: 43 Resp: 1414
Ion Ratio Lower Upper
43 100
58 43.1 27.7 41.5#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX030349.D
Acq: 02 Aug 2022 13:57

Tgt Ion: 84 Resp: 1814
Ion Ratio Lower Upper
84 100
49 101.4 93.8 140.6
51 32.6 29.4 44.0
86 46.4 51.0 76.4#





#25

2-Butanone

Concen: 0.230 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX030349.D

Acq: 02 Aug 2022 13:57

Instrument :

MSVOA_X

ClientSampleId :

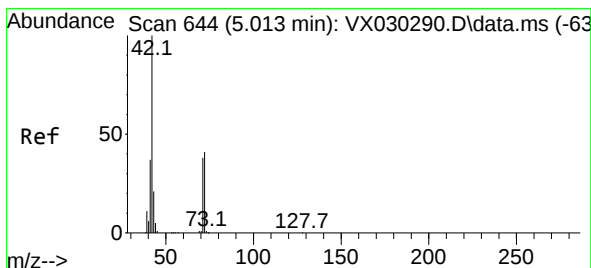
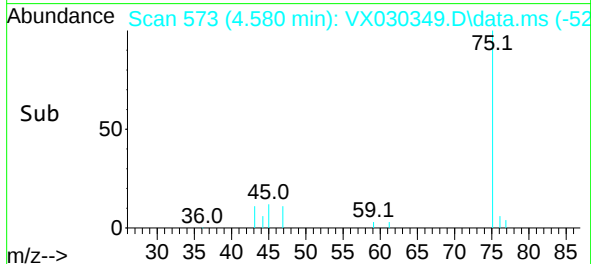
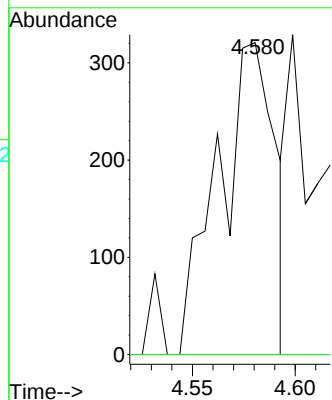
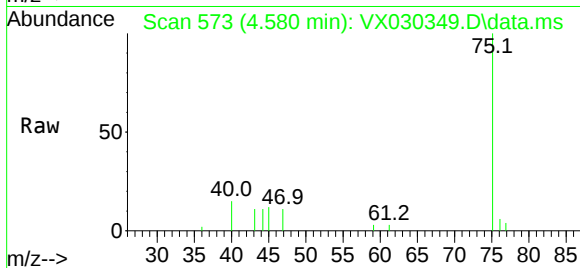
IBLK

Tgt Ion: 43 Resp: 615

Ion Ratio Lower Upper

43 100

72 0.0 21.7 32.5#



#29

Tetrahydrofuran

Concen: 0.252 ug/l

RT: 5.044 min Scan# 649

Delta R.T. 0.031 min

Lab File: VX030349.D

Acq: 02 Aug 2022 13:57

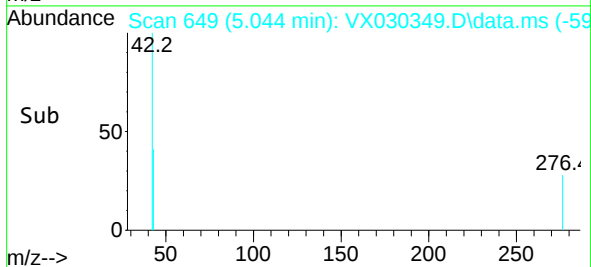
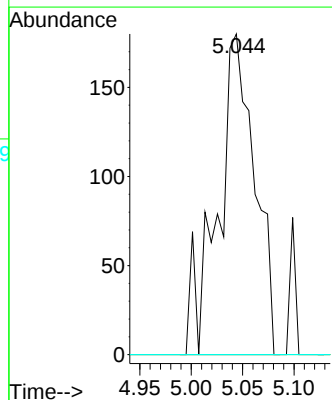
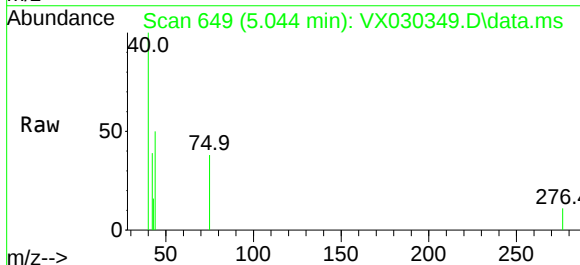
Tgt Ion: 42 Resp: 453

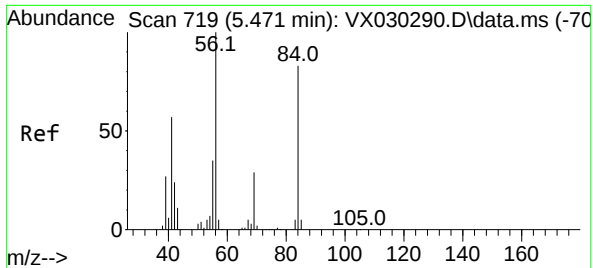
Ion Ratio Lower Upper

42 100

72 0.0 36.5 54.7#

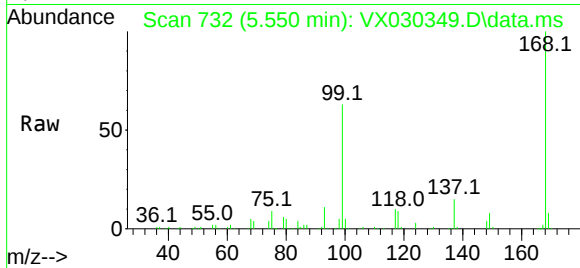
71 0.0 33.9 50.9#



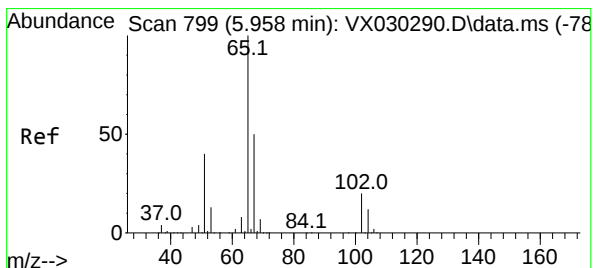
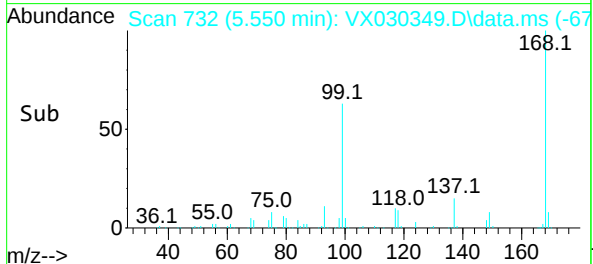
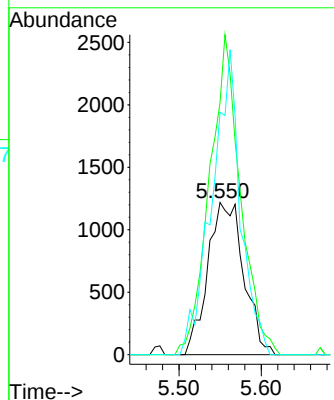


#31
Cyclohexane
Concen: 0.822 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.080 min
Lab File: VX030349.D
Acq: 02 Aug 2022 13:57

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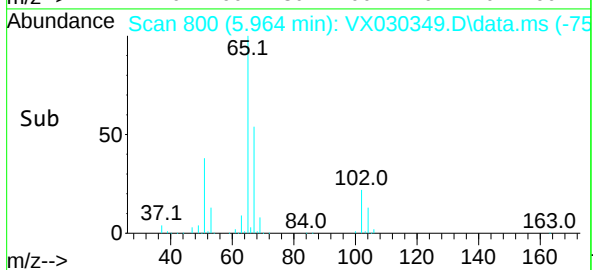
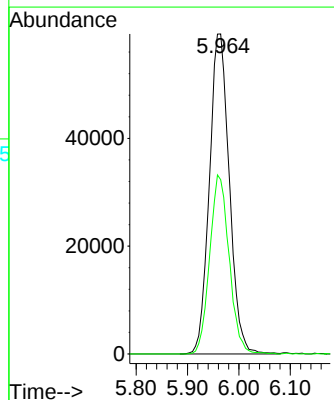
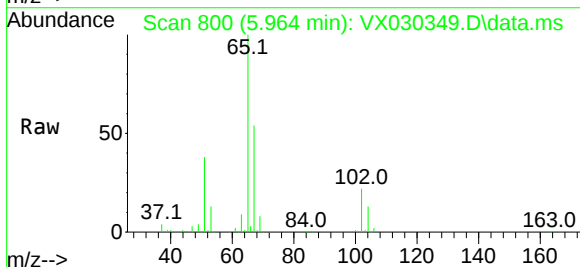


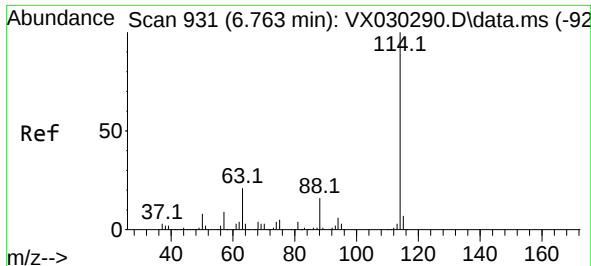
Tgt Ion: 56 Resp: 3715
Ion Ratio Lower Upper
56 100
69 165.7 25.4 38.0#
84 159.4 68.9 103.3#



#33
1,2-Dichloroethane-d4
Concen: 51.403 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX030349.D
Acq: 02 Aug 2022 13:57

Tgt Ion: 65 Resp: 159935
Ion Ratio Lower Upper
65 100
67 54.5 0.0 109.6

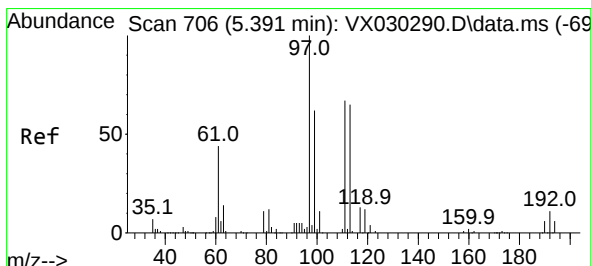
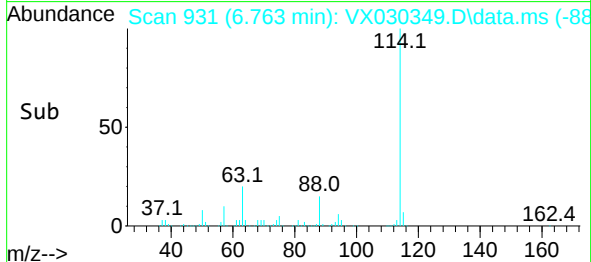
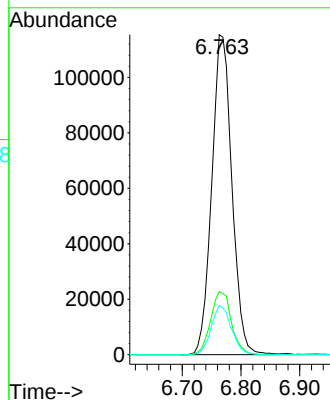
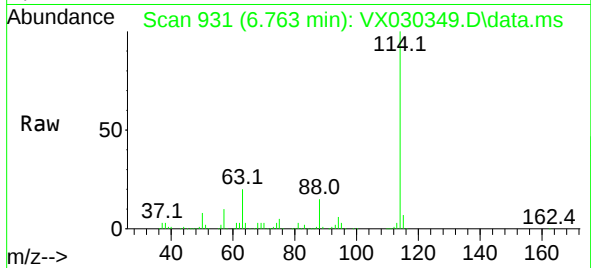




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.006 min
Lab File: VX030349.D
Acq: 02 Aug 2022 13:57

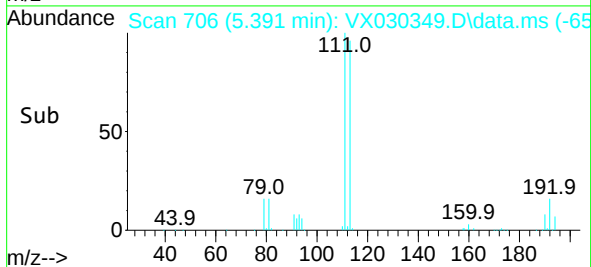
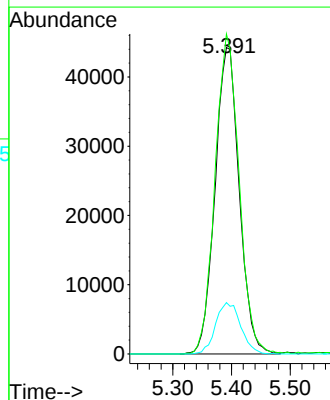
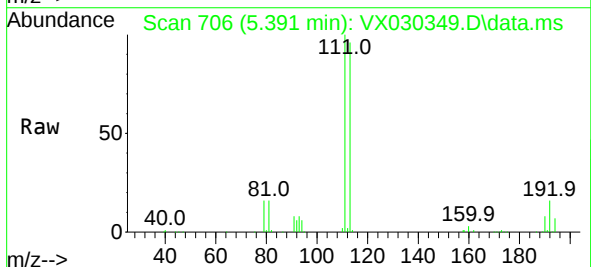
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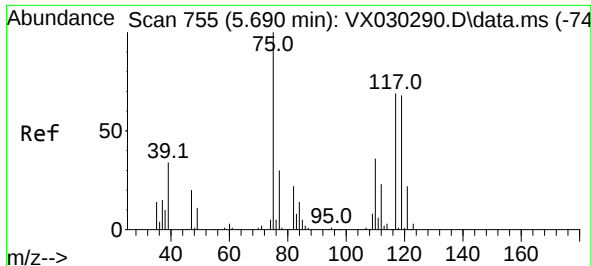
Tgt Ion:114 Resp: 274562
Ion Ratio Lower Upper
114 100
63 19.7 0.0 38.4
88 15.4 0.0 31.8



#35
Dibromofluoromethane
Concen: 48.243 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030349.D
Acq: 02 Aug 2022 13:57

Tgt Ion:113 Resp: 126621
Ion Ratio Lower Upper
113 100
111 103.8 83.2 124.8
192 17.4 14.8 22.2

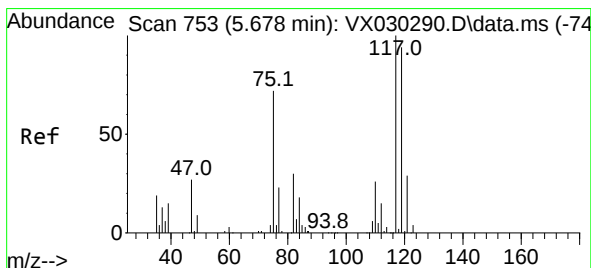
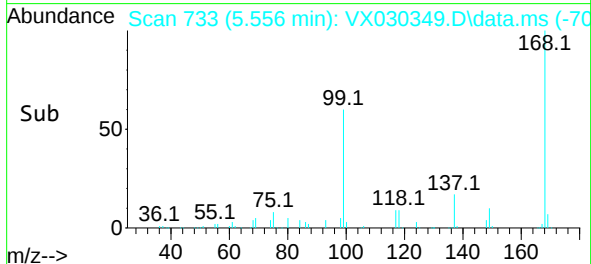
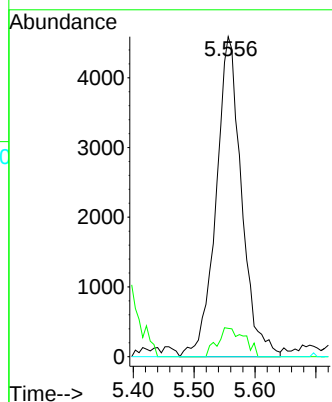
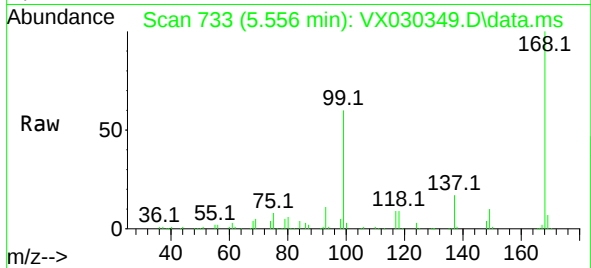




#36
1,1-Dichloropropene
Concen: 3.533 ug/l
RT: 5.556 min Scan# 713
Delta R.T. -0.140 min
Lab File: VX030349.D
Acq: 02 Aug 2022 13:57

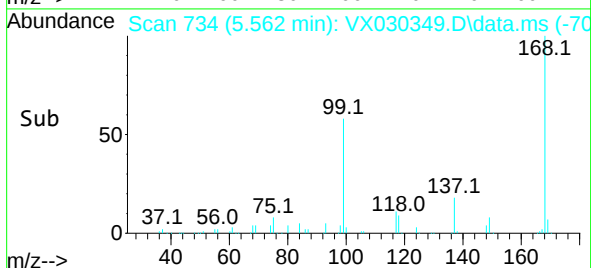
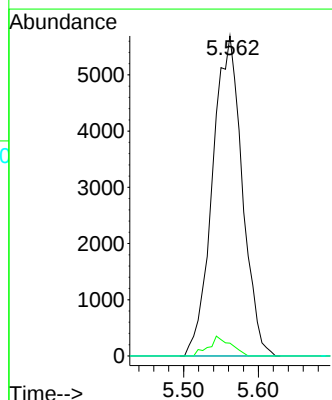
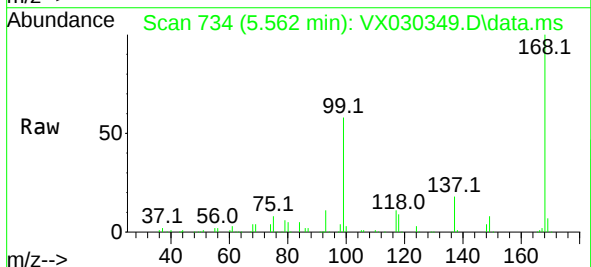
Instrument :
MSVOA_X
ClientSampleId :
IBLK

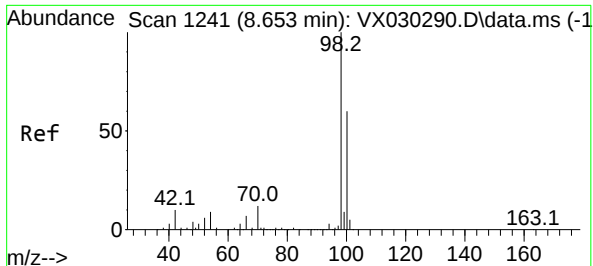
Tgt Ion: 75 Resp: 13344
Ion Ratio Lower Upper
75 100
110 9.5 19.3 57.9#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 4.465 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.121 min
Lab File: VX030349.D
Acq: 02 Aug 2022 13:57

Tgt Ion: 117 Resp: 15743
Ion Ratio Lower Upper
117 100
119 4.0 74.1 111.1#
121 0.0 25.8 38.8#

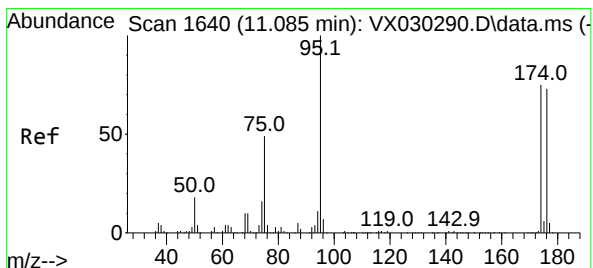
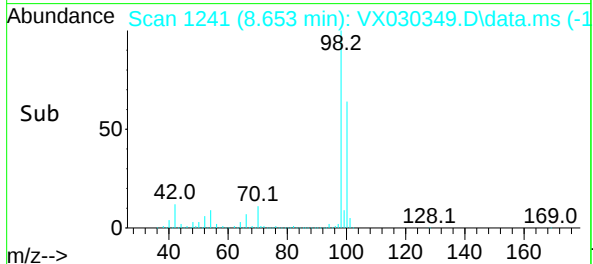
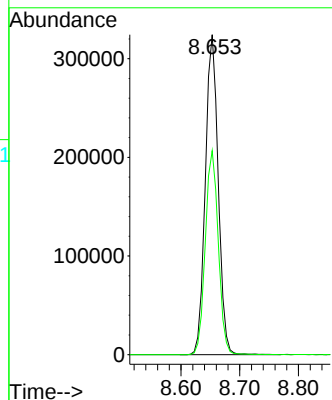
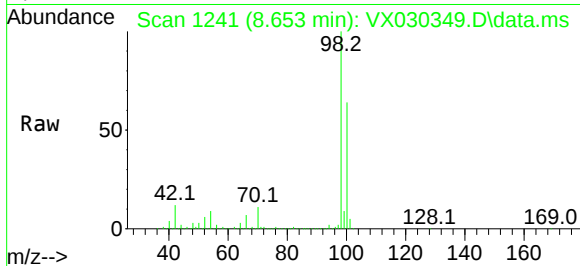




#50
Toluene-d8
Concen: 48.611 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX030349.D
Acq: 02 Aug 2022 13:57

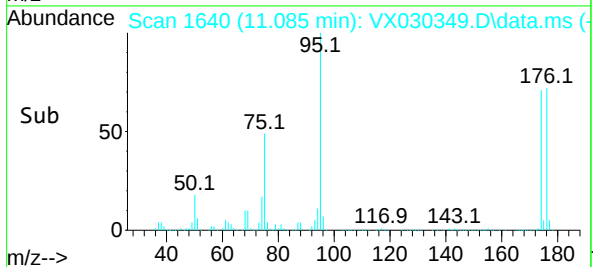
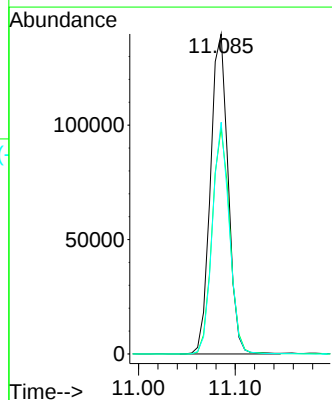
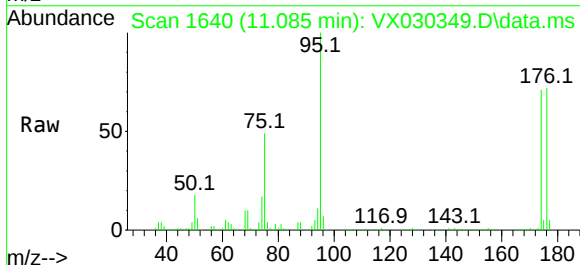
Instrument :
MSVOA_X
ClientSampleId :
IBLK

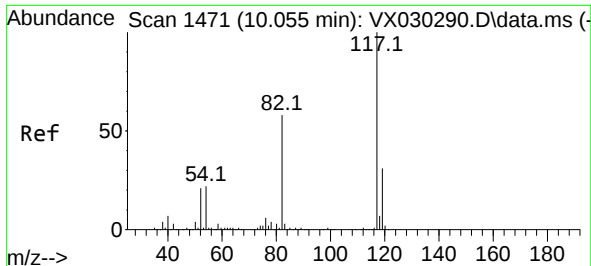
Tgt Ion: 98 Resp: 494106
Ion Ratio Lower Upper
98 100
100 64.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 47.125 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX030349.D
Acq: 02 Aug 2022 13:57

Tgt Ion: 95 Resp: 177770
Ion Ratio Lower Upper
95 100
174 70.2 0.0 149.0
176 69.3 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX030349.D

Acq: 02 Aug 2022 13:57

Instrument :

MSVOA_X

ClientSampleId :

IBLK

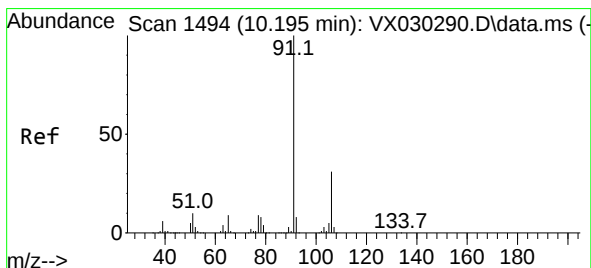
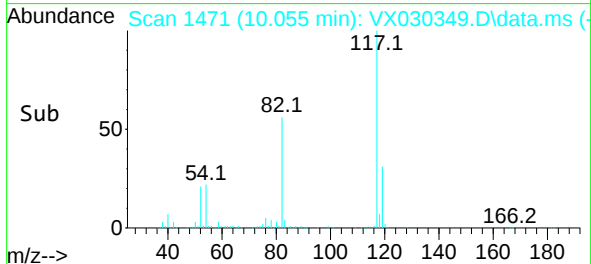
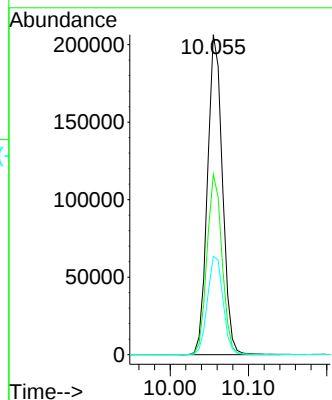
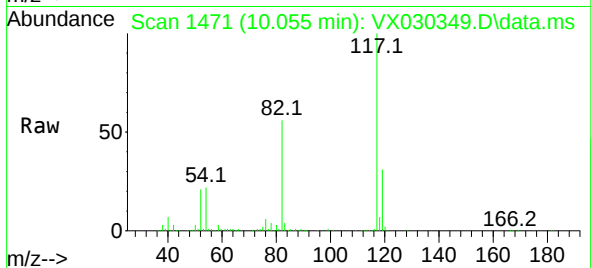
Tgt Ion:117 Resp: 273245

Ion Ratio Lower Upper

117 100

82 56.3 42.7 64.1

119 30.7 25.4 38.2



#67

Ethyl Benzene

Concen: Below Cal

RT: 10.201 min Scan# 1495

Delta R.T. 0.006 min

Lab File: VX030349.D

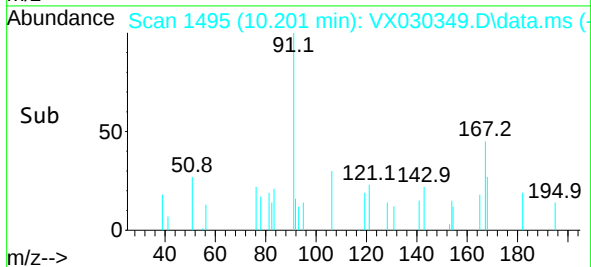
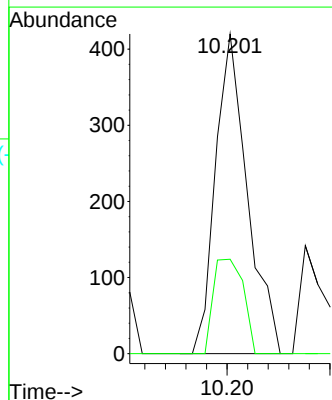
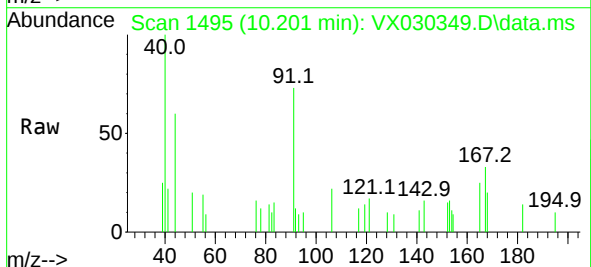
Acq: 02 Aug 2022 13:57

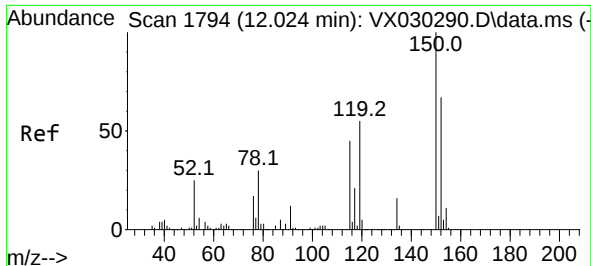
Tgt Ion: 91 Resp: 452

Ion Ratio Lower Upper

91 100

106 29.5 25.5 38.3

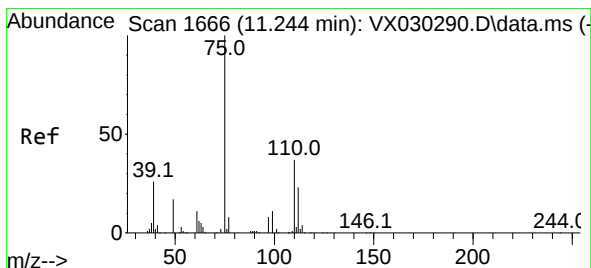
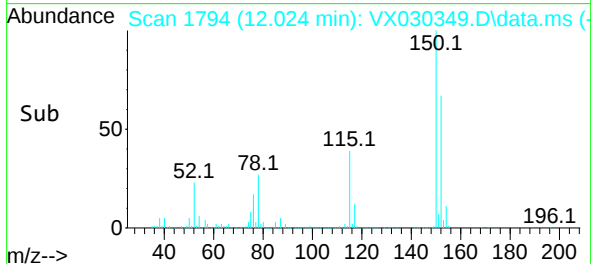
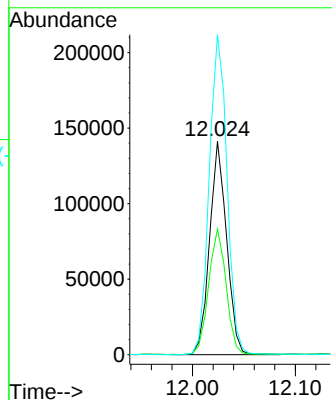
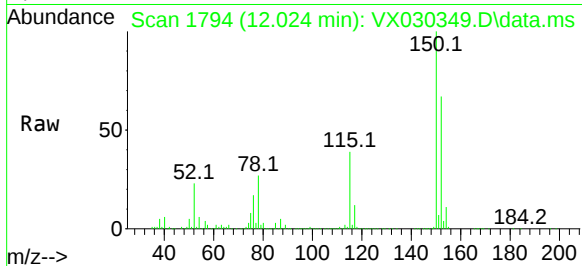




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX030349.D
 Acq: 02 Aug 2022 13:57

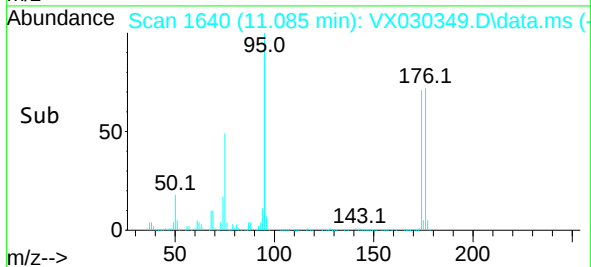
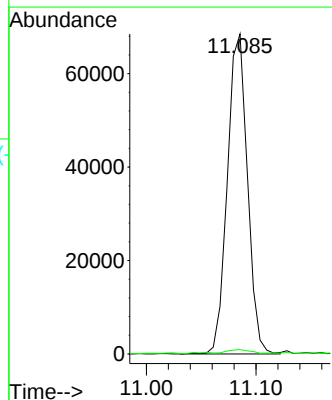
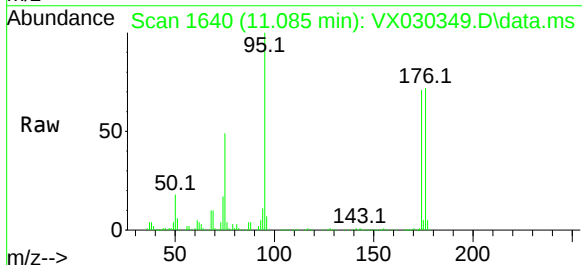
Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

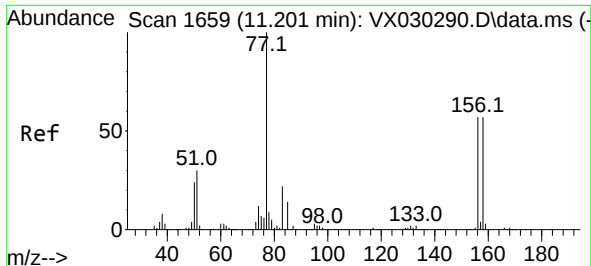
Tgt Ion:152 Resp: 163116
 Ion Ratio Lower Upper
 152 100
 115 60.4 40.5 121.5
 150 156.3 0.0 347.0



#76
 1,2,3-Trichloropropane
 Concen: 20.276 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.158 min
 Lab File: VX030349.D
 Acq: 02 Aug 2022 13:57

Tgt Ion: 75 Resp: 87181
 Ion Ratio Lower Upper
 75 100
 77 1.4 19.8 59.3#

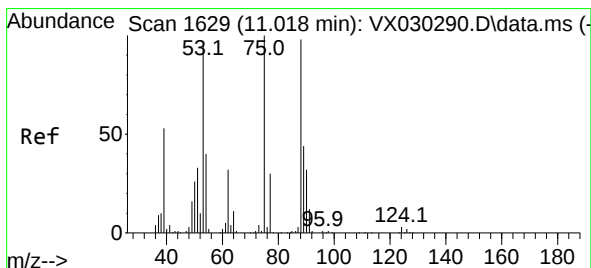
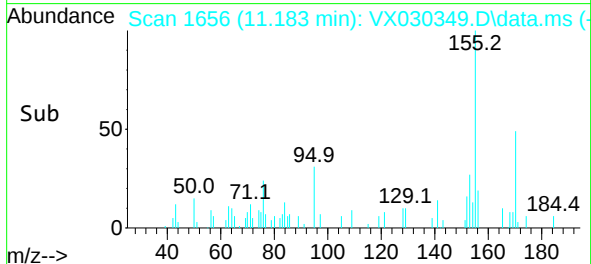
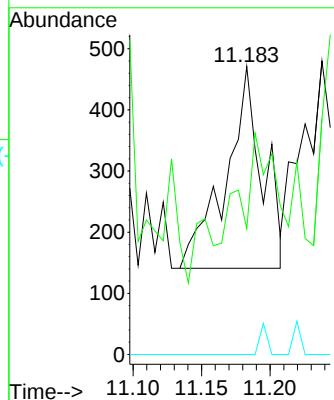
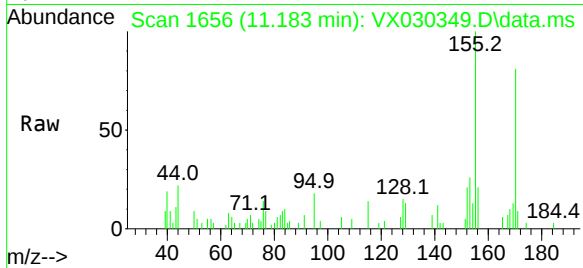




#77
Bromobenzene
Concen: 0.205 ug/l
RT: 11.183 min Scan# 1656
Delta R.T. -0.018 min
Lab File: VX030349.D
Acq: 02 Aug 2022 13:57

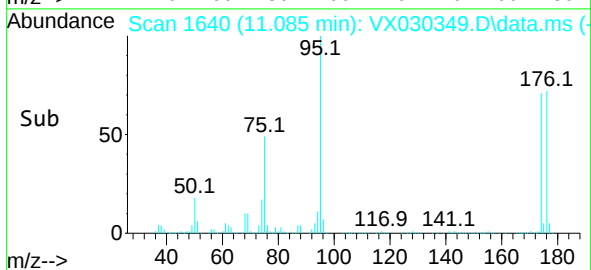
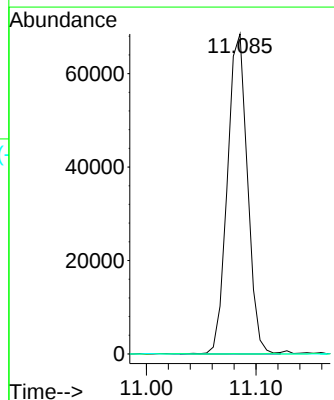
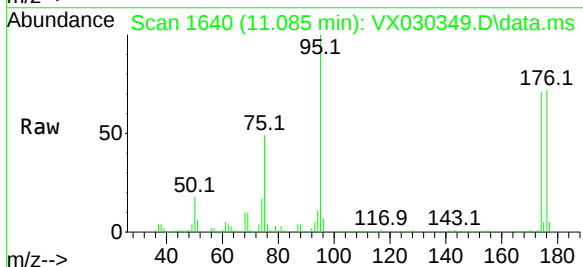
Instrument :
MSVOA_X
ClientSampleId :
IBLK

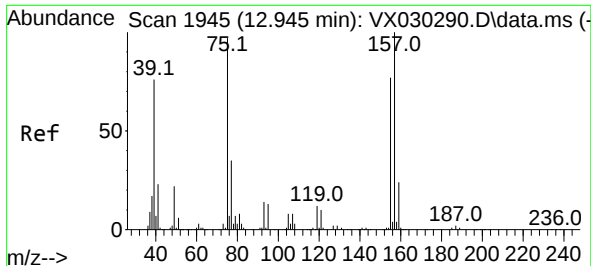
Tgt Ion:156 Resp: 613
Ion Ratio Lower Upper
156 100
77 93.6 82.7 247.9
158 3.1 47.5 142.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 60.827 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX030349.D
Acq: 02 Aug 2022 13:57

Tgt Ion: 75 Resp: 87181
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.333 ug/l

RT: 13.158 min Scan# 1945

Delta R.T. 0.214 min

Lab File: VX030349.D

Acq: 02 Aug 2022 13:57

Instrument :

MSVOA_X

ClientSampleId :

IBLK

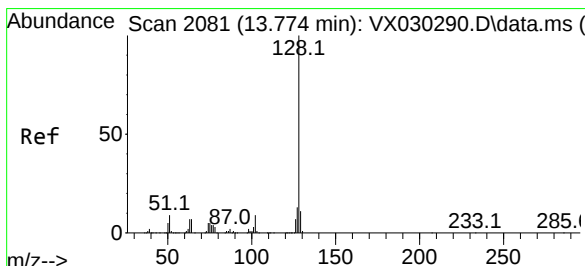
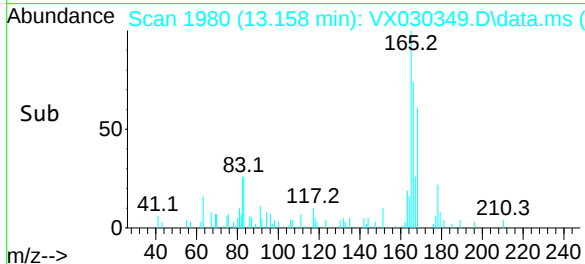
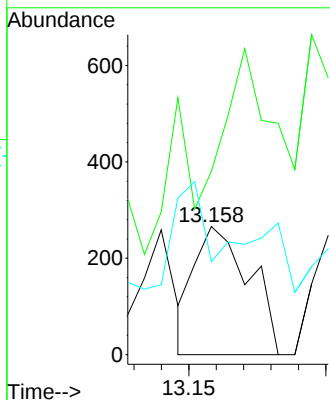
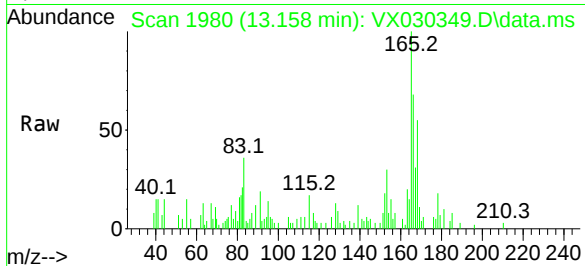
Tgt Ion: 75 Resp: 372

Ion Ratio Lower Upper

75 100

155 103.2 45.0 134.8

157 83.6 56.9 170.7



#95

Naphthalene

Concen: 2.444 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.000 min

Lab File: VX030349.D

Acq: 02 Aug 2022 13:57

Tgt Ion: 128 Resp: 31581

Ion Ratio Lower Upper

128 100

127 14.2 10.2 15.2

129 11.8 8.6 13.0

