

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080222\
 Data File : VX030352.D
 Acq On : 02 Aug 2022 15:07
 Operator : JC/MD
 Sample : N3861-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-072122

Quant Time: Aug 03 01:07:42 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	152065	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	265748	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	262136	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	150076	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.958	65	157458	51.517	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 103.040%	
35) Dibromofluoromethane	5.391	113	125220	49.291	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 98.580%	
50) Toluene-d8	8.653	98	482571	49.051	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 98.100%	
62) 4-Bromofluorobenzene	11.085	95	169404	46.397	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.800%	

Target Compounds

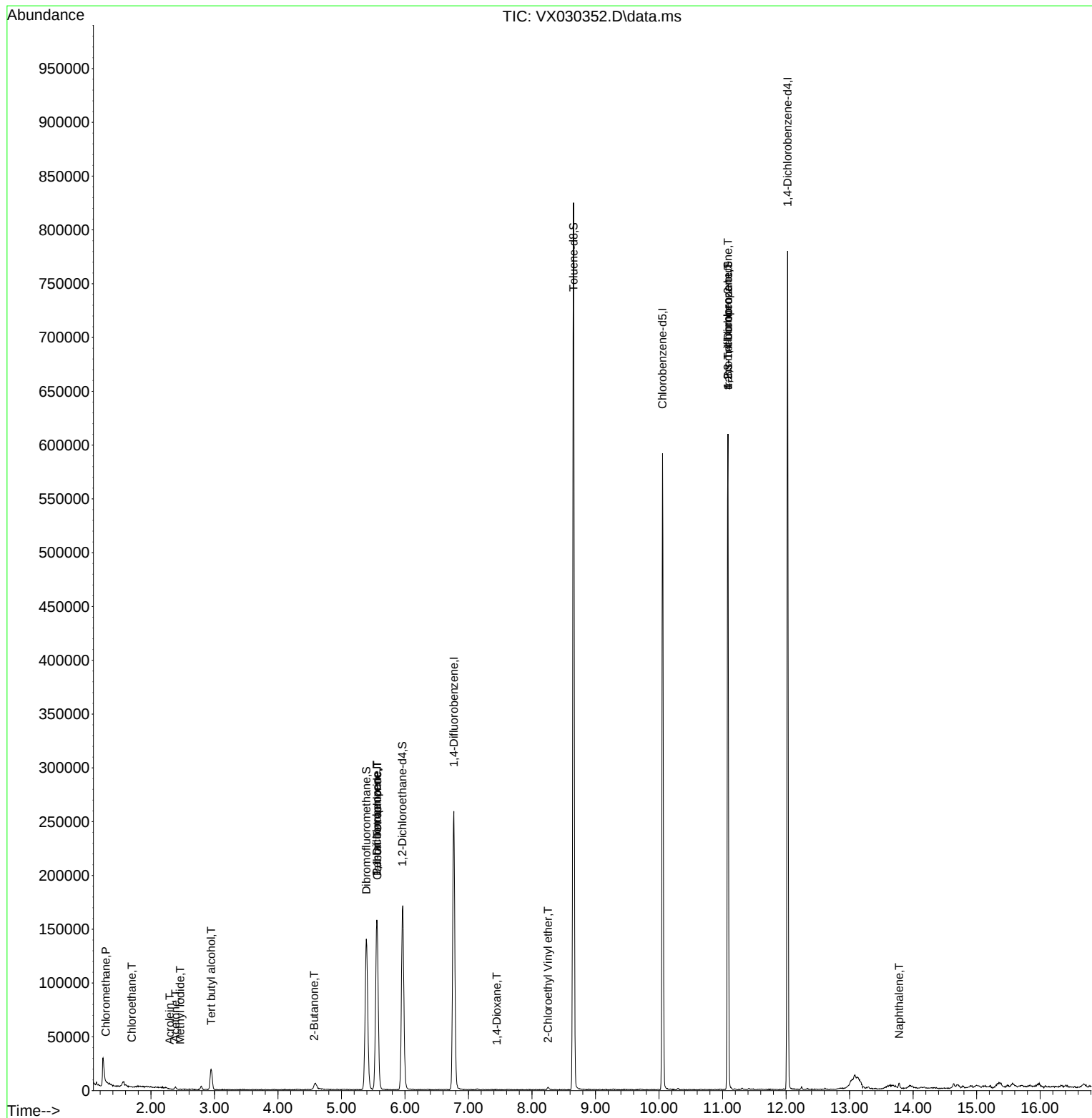
						Qvalue
3) Chloromethane	1.288	50	541	0.219	ug/l #	74
5) Bromomethane	1.618	94	431	Below Cal		95
6) Chloroethane	1.697	64	306	0.214	ug/l #	41
10) Methyl Iodide	2.459	142	214	1.613	ug/l #	56
11) Tert butyl alcohol	2.947	59	11833	15.872	ug/l #	77
13) Acrolein	2.294	56	47	0.256	ug/l #	14
16) Acetone	2.386	43	2064	1.319	ug/l	92
20) Methylene Chloride	2.794	84	1289	Below Cal		92
25) 2-Butanone	4.568	43	694	0.264	ug/l	91
36) 1,1-Dichloropropene	5.556	75	13607	3.722	ug/l #	47
38) Carbon Tetrachloride	5.562	117	15191	4.451	ug/l #	17
49) 1,4-Dioxane	7.446	88	46	0.533	ug/l #	1
58) 2-Chloroethyl Vinyl ether	8.251	63	1242	0.530	ug/l	100
67) Ethyl Benzene	10.201	91	313	Below Cal	#	43
76) 1,2,3-Trichloropropane	11.085	75	83008	20.983	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	83008	62.948	ug/l #	12
95) Naphthalene	13.780	128	3624	0.305	ug/l	97

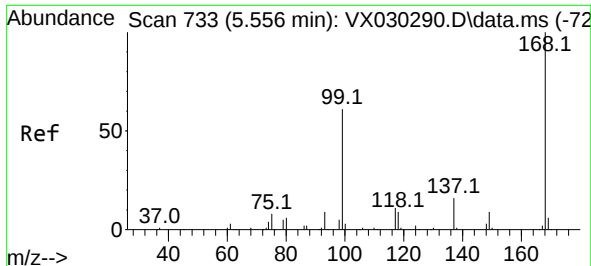
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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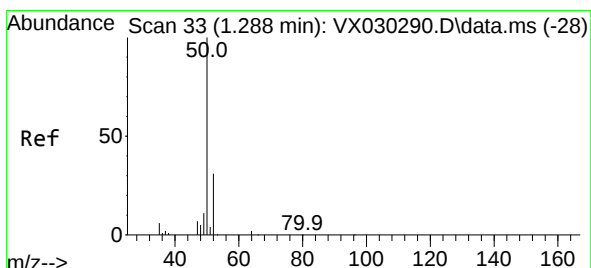
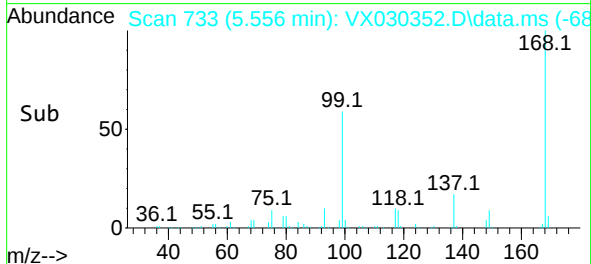
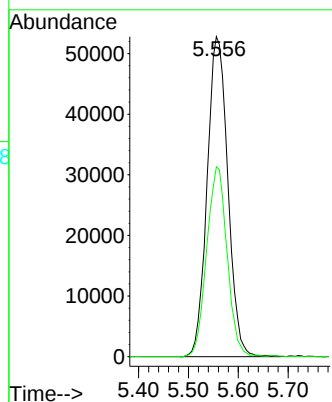
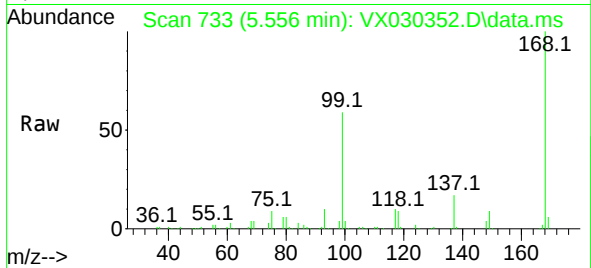




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX030352.D
Acq: 02 Aug 2022 15:07

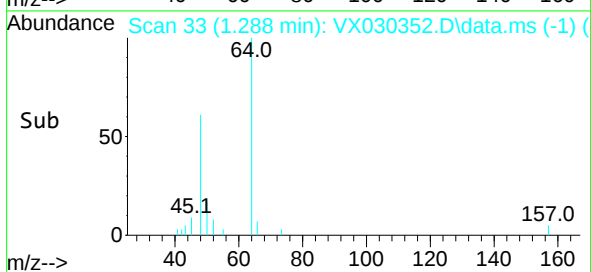
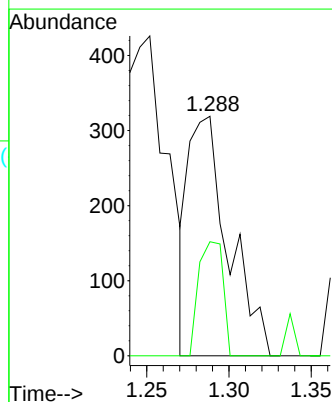
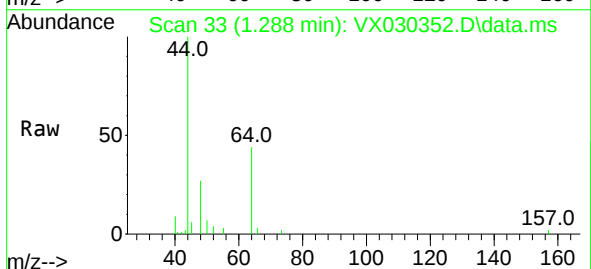
Instrument :
MSVOA_X
ClientSampleId :
FB-072122

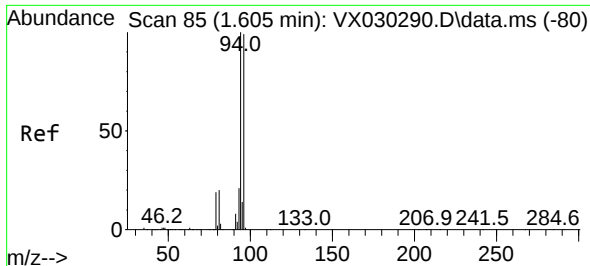
Tgt Ion:168 Resp: 152065
Ion Ratio Lower Upper
168 100
99 59.3 44.0 66.0



#3
Chloromethane
Concen: 0.219 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX030352.D
Acq: 02 Aug 2022 15:07

Tgt Ion: 50 Resp: 541
Ion Ratio Lower Upper
50 100
52 47.6 26.3 39.5

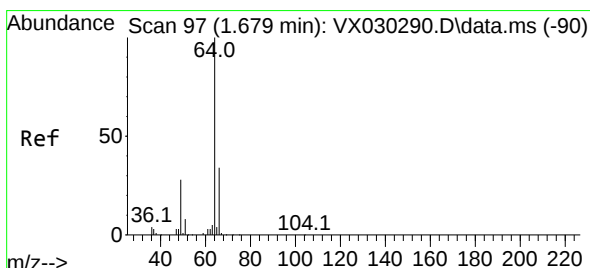
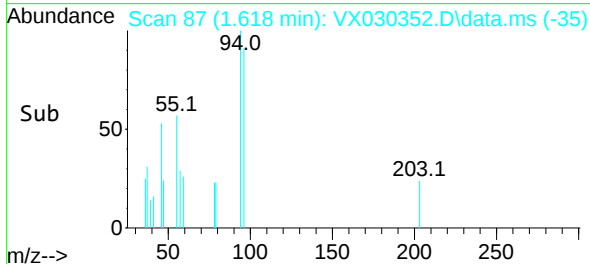
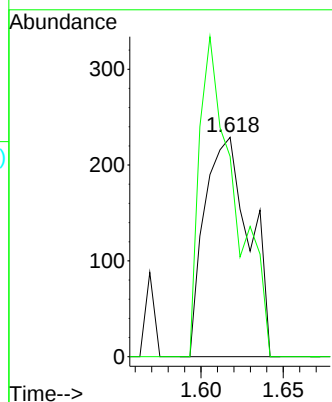
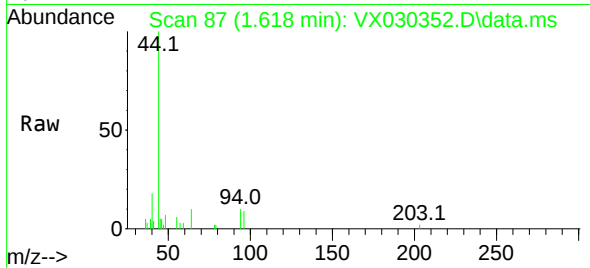




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 81
Delta R.T. 0.019 min
Lab File: VX030352.D
Acq: 02 Aug 2022 15:07

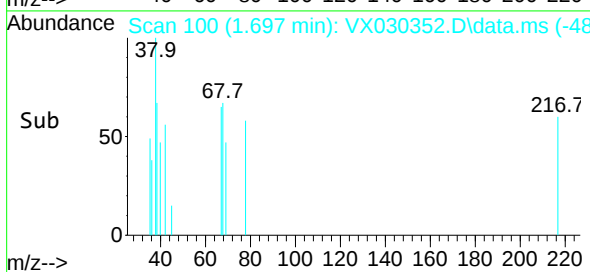
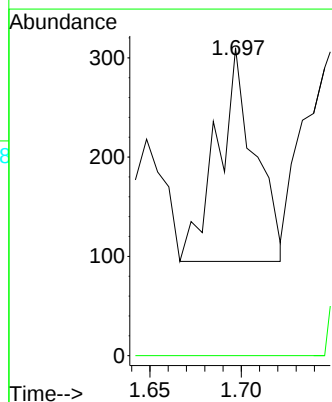
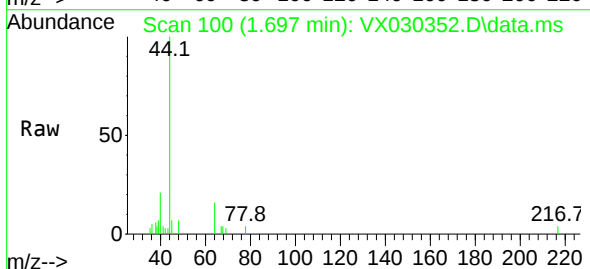
Instrument :
MSVOA_X
ClientSampleId :
FB-072122

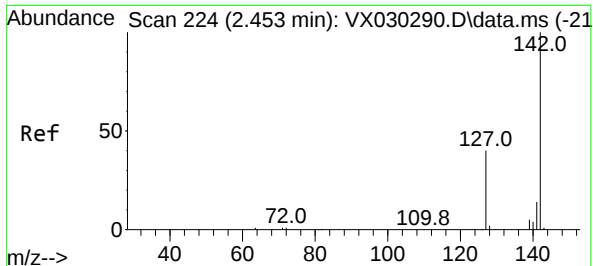
Tgt Ion: 94 Resp: 431
Ion Ratio Lower Upper
94 100
96 91.3 76.9 115.3



#6
Chloroethane
Concen: 0.214 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.019 min
Lab File: VX030352.D
Acq: 02 Aug 2022 15:07

Tgt Ion: 64 Resp: 306
Ion Ratio Lower Upper
64 100
66 0.0 27.2 40.8#

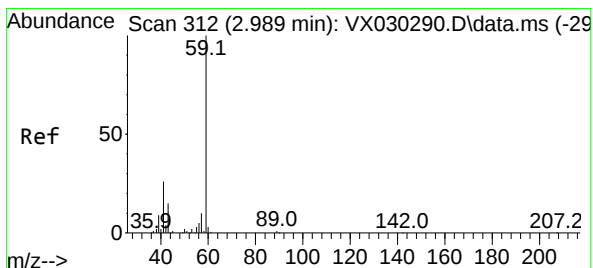
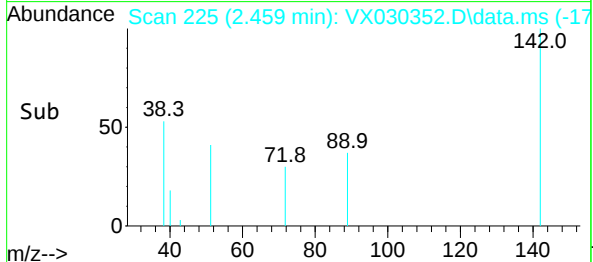
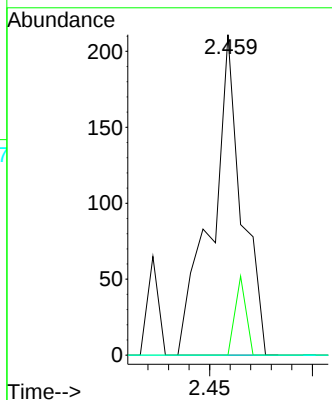
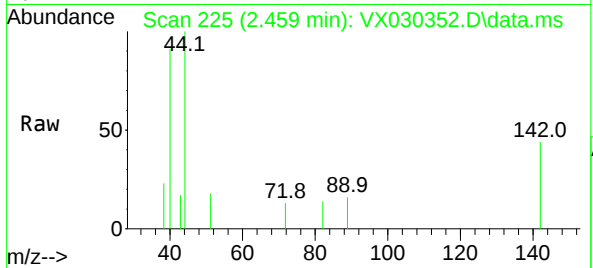




#10
Methyl Iodide
Concen: 1.613 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.013 min
Lab File: VX030352.D
Acq: 02 Aug 2022 15:07

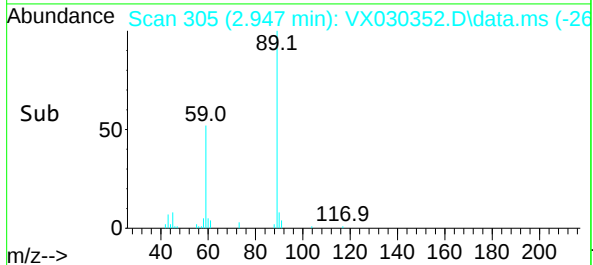
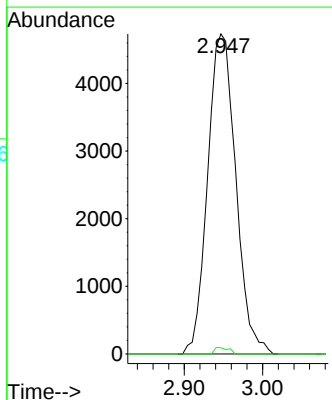
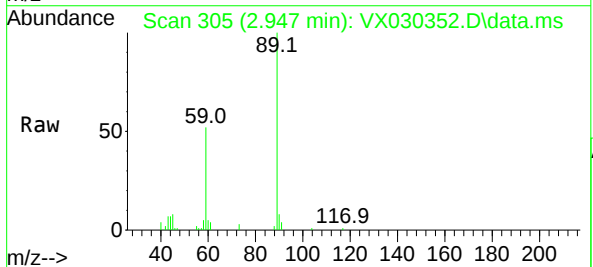
Instrument :
MSVOA_X
ClientSampleId :
FB-072122

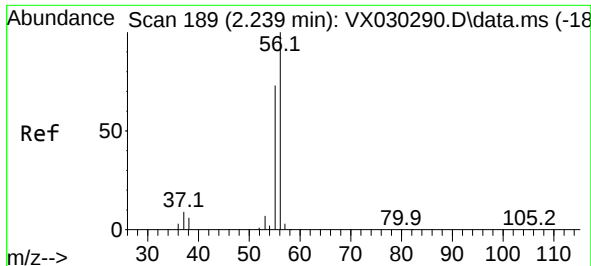
Tgt Ion:142 Resp: 214
Ion Ratio Lower Upper
142 100
127 8.9 30.2 45.2#
141 0.0 11.3 16.9#



#11
Tert butyl alcohol
Concen: 15.872 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.030 min
Lab File: VX030352.D
Acq: 02 Aug 2022 15:07

Tgt Ion: 59 Resp: 11833
Ion Ratio Lower Upper
59 100
57 1.0 7.4 11.2#





#13

Acrolein

Concen: 0.256 ug/l

RT: 2.294 min Scan# 198

Delta R.T. 0.055 min

Lab File: VX030352.D

Acq: 02 Aug 2022 15:07

Instrument :

MSVOA_X

ClientSampleId :

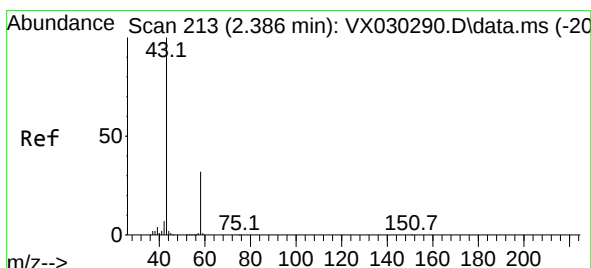
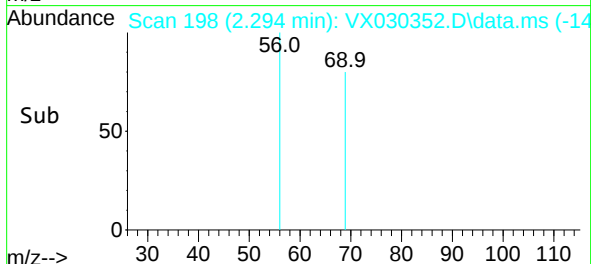
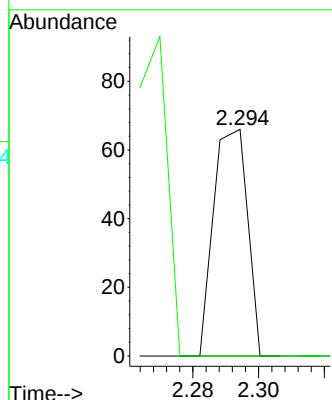
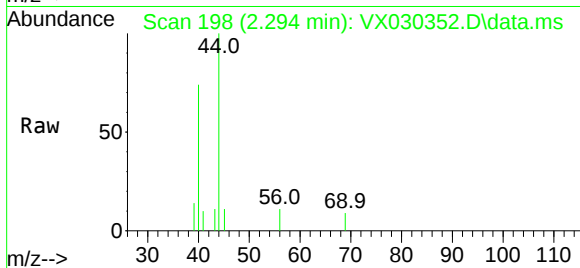
FB-072122

Tgt Ion: 56 Resp: 47

Ion Ratio Lower Upper

56 100

55 0.0 56.6 84.8#



#16

Acetone

Concen: 1.319 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.001 min

Lab File: VX030352.D

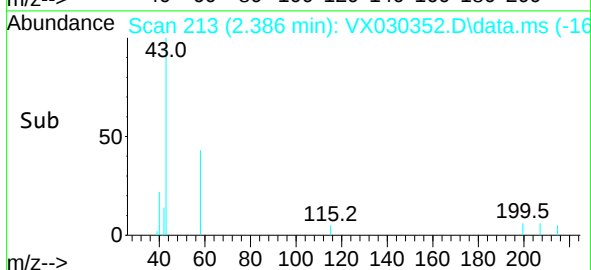
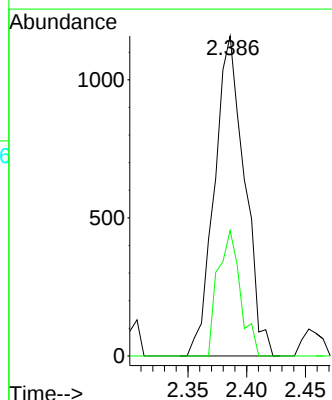
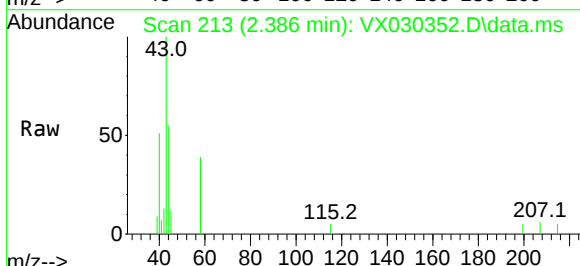
Acq: 02 Aug 2022 15:07

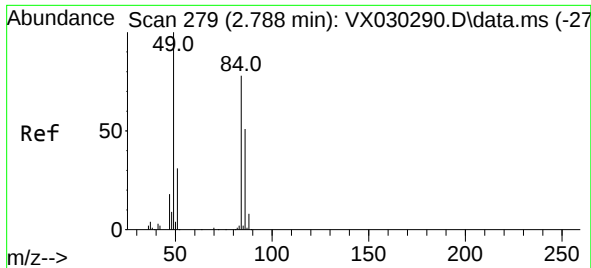
Tgt Ion: 43 Resp: 2064

Ion Ratio Lower Upper

43 100

58 39.2 27.7 41.5

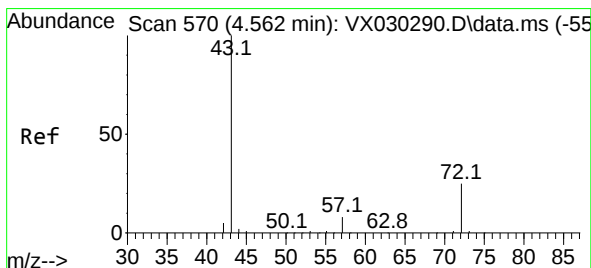
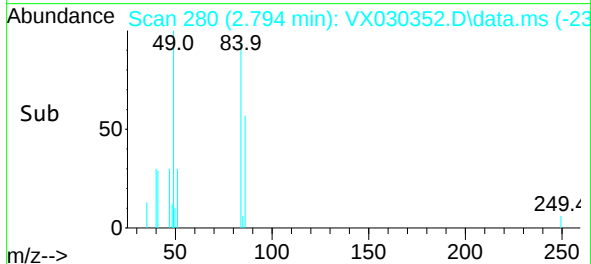
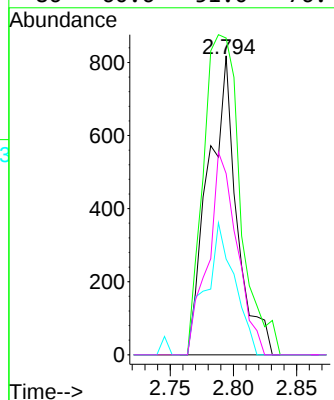
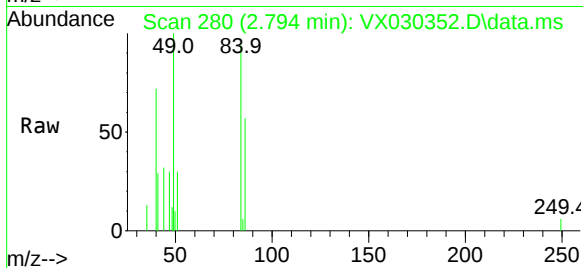




#20
Methylene Chloride
Concen: Below Cal
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX030352.D
Acq: 02 Aug 2022 15:07

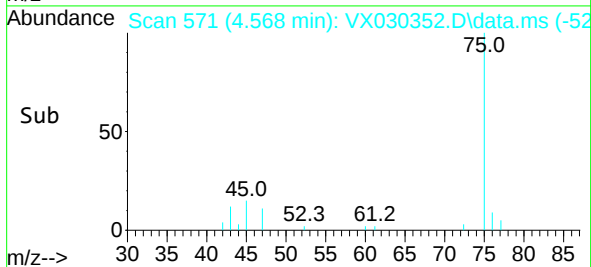
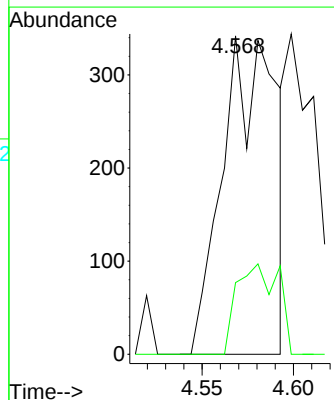
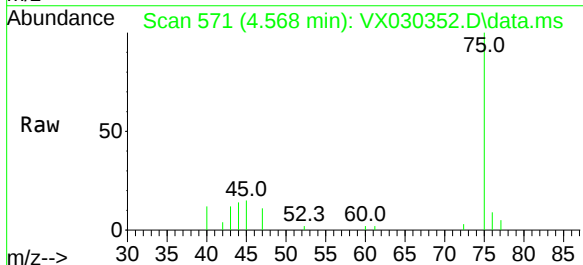
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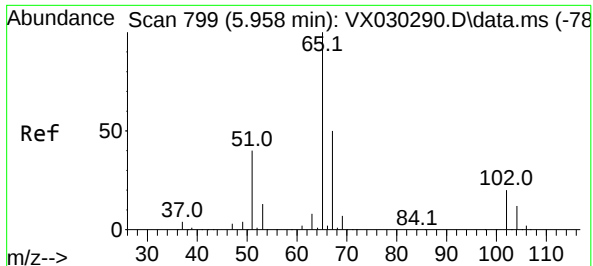
Tgt Ion: 84	Resp: 1289
Ion Ratio	Lower Upper
84 100	
49 106.0	93.8 140.6
51 32.0	29.4 44.0
86 60.6	51.0 76.4



#25
2-Butanone
Concen: 0.264 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.000 min
Lab File: VX030352.D
Acq: 02 Aug 2022 15:07

Tgt Ion: 43	Resp: 694		
Ion Ratio	Lower	Upper	
43 100			
72 22.5	21.7	32.5	

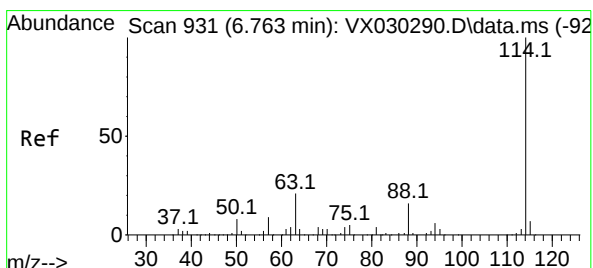
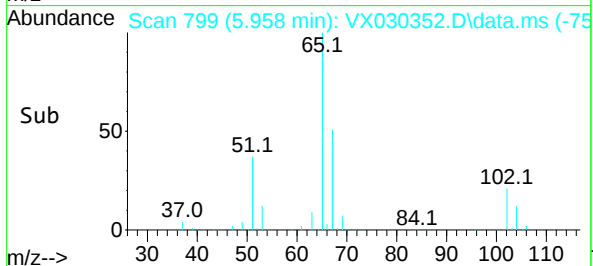
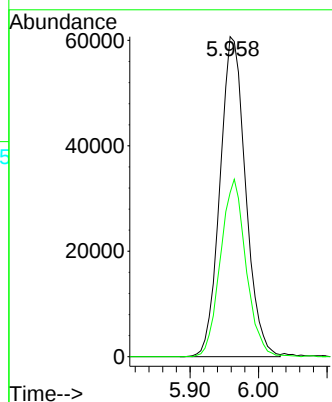
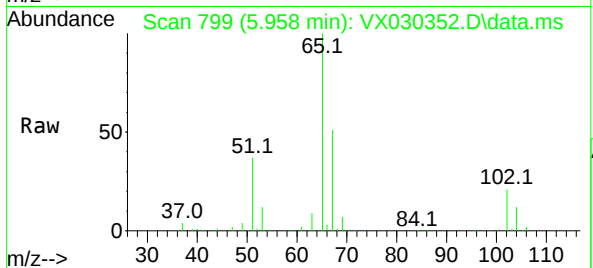




#33
1,2-Dichloroethane-d4
Concen: 51.517 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX030352.D
Acq: 02 Aug 2022 15:07

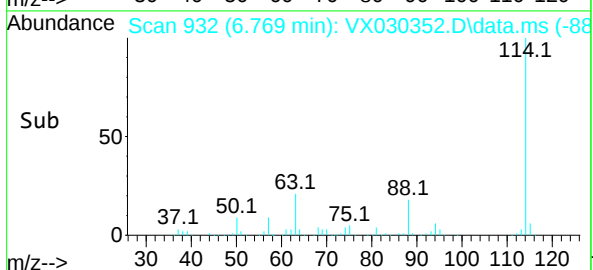
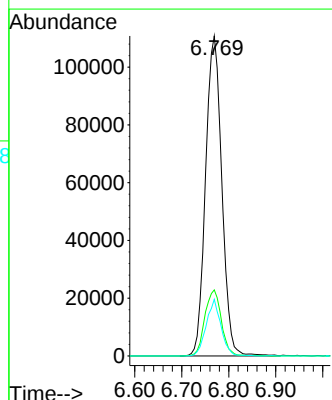
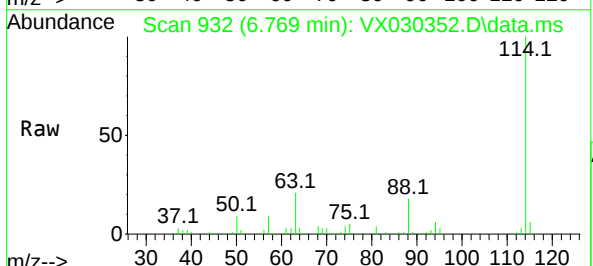
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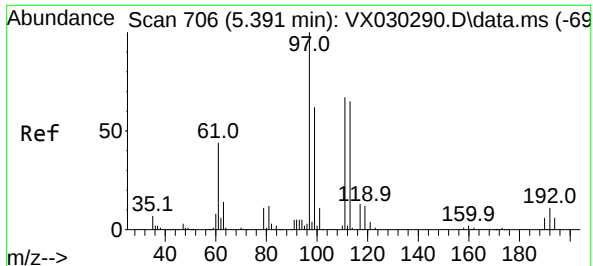
Tgt Ion: 65 Resp: 157458
Ion Ratio Lower Upper
65 100
67 55.3 0.0 109.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX030352.D
Acq: 02 Aug 2022 15:07

Tgt Ion: 114 Resp: 265748
Ion Ratio Lower Upper
114 100
63 20.7 0.0 38.4
88 17.7 0.0 31.8





#35

Dibromofluoromethane

Concen: 49.291 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX030352.D

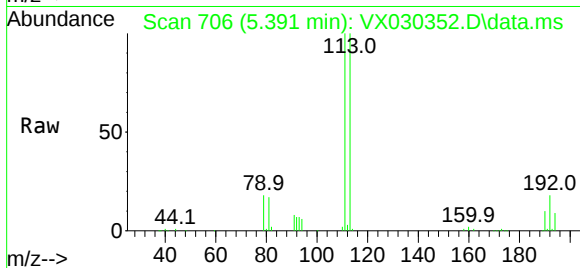
Acq: 02 Aug 2022 15:07

Instrument :

MSVOA_X

ClientSampleId :

FB-072122



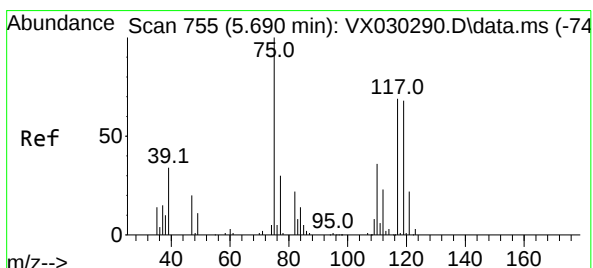
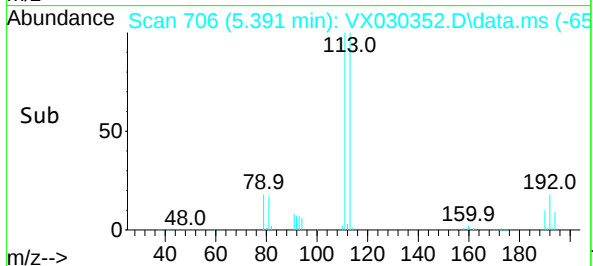
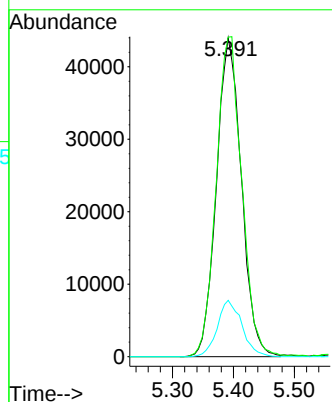
Tgt Ion:113 Resp: 125220

Ion Ratio Lower Upper

113 100

111 102.8 83.2 124.8

192 17.5 14.8 22.2



#36

1,1-Dichloropropene

Concen: 3.722 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX030352.D

Acq: 02 Aug 2022 15:07

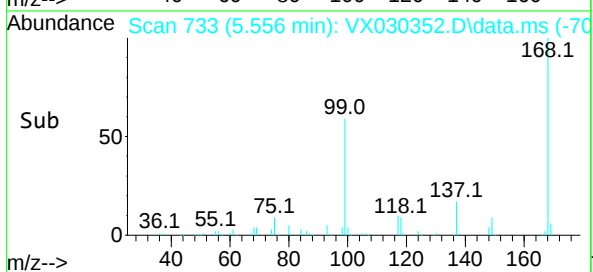
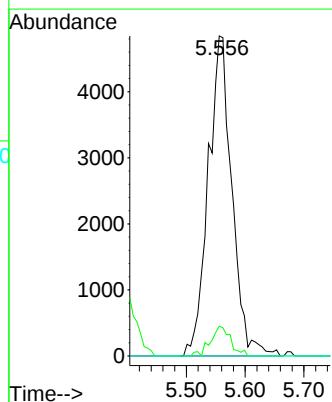
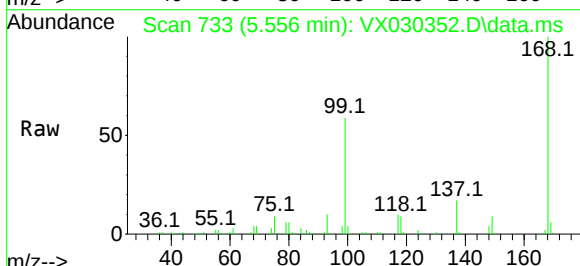
Tgt Ion: 75 Resp: 13607

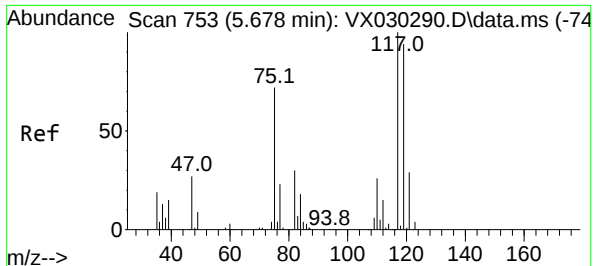
Ion Ratio Lower Upper

75 100

110 7.9 19.3 57.9#

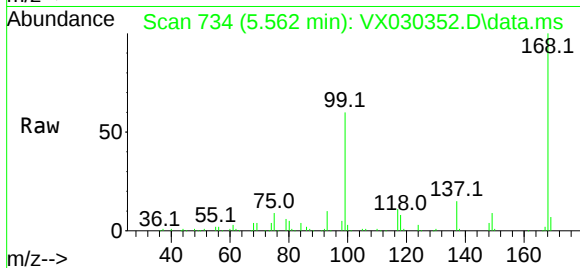
77 0.0 24.4 36.6#



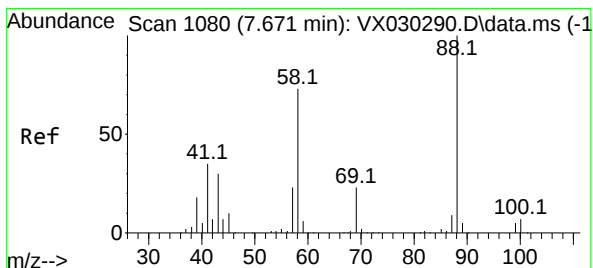
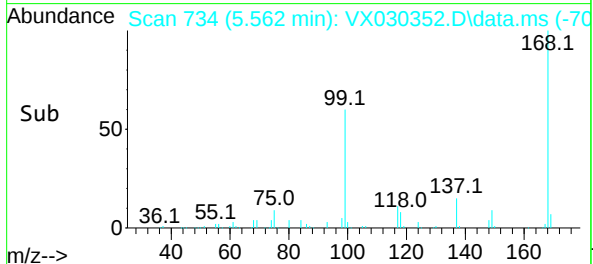
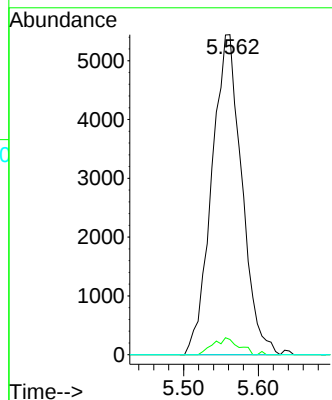


#38
Carbon Tetrachloride
Concen: 4.451 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.121 min
Lab File: VX030352.D
Acq: 02 Aug 2022 15:07

Instrument :
MSVOA_X
ClientSampleId :
FB-072122

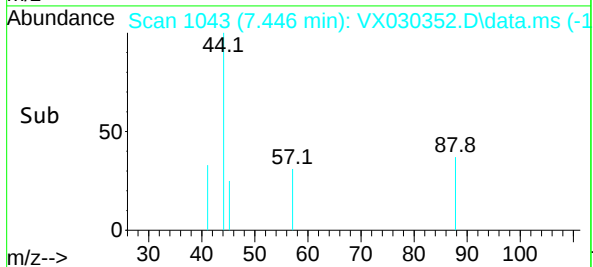
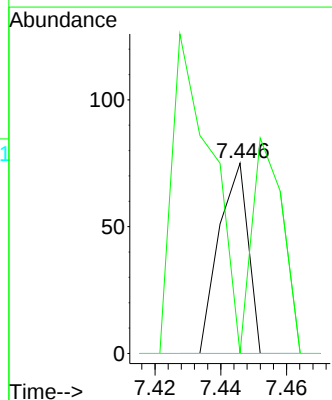
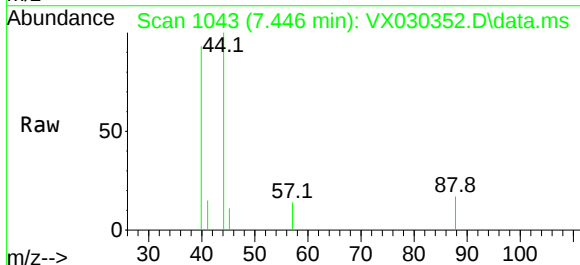


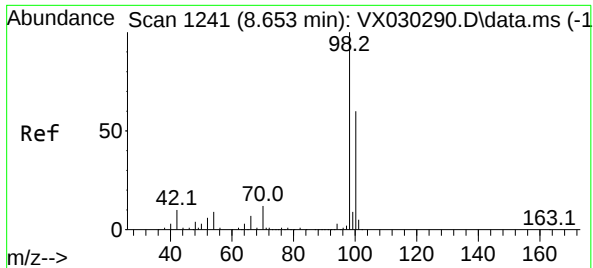
Tgt Ion:117 Resp: 15191
Ion Ratio Lower Upper
117 100
119 4.8 74.1 111.1#
121 0.0 25.8 38.8#



#49
1,4-Dioxane
Concen: 0.533 ug/l
RT: 7.446 min Scan# 1043
Delta R.T. -0.219 min
Lab File: VX030352.D
Acq: 02 Aug 2022 15:07

Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 117.4 23.8 35.8#
58 0.0 53.8 80.6#

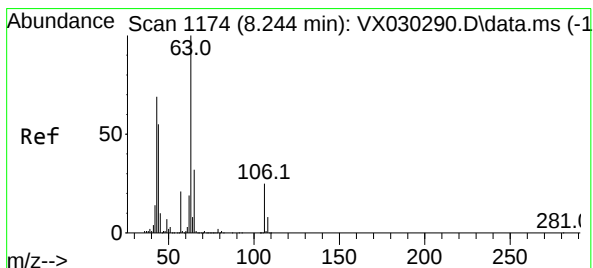
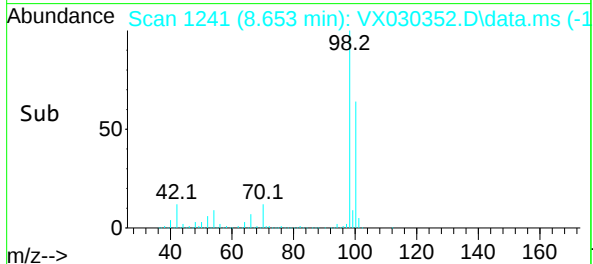
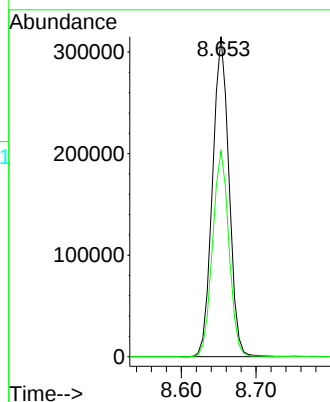
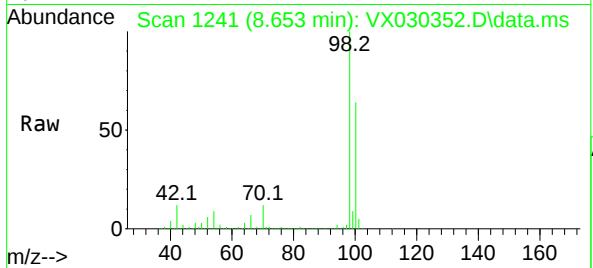




#50
Toluene-d8
Concen: 49.051 ug/l
RT: 8.653 min Scan# 1174
Delta R.T. 0.001 min
Lab File: VX030352.D
Acq: 02 Aug 2022 15:07

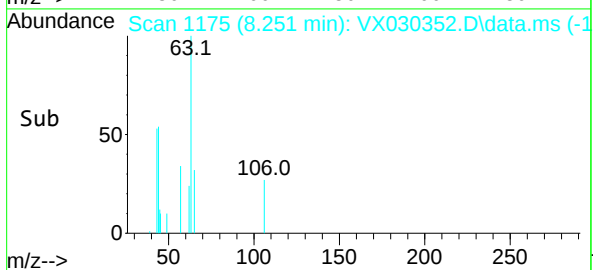
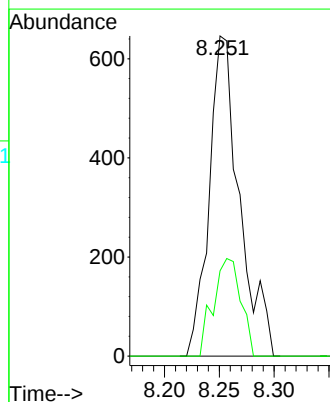
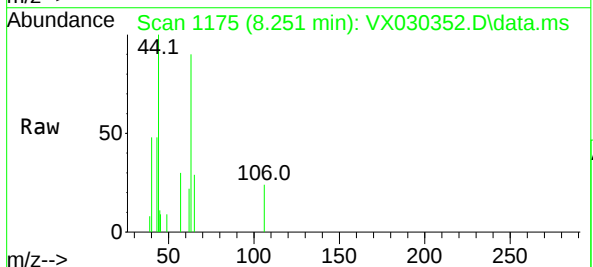
Instrument :
MSVOA_X
ClientSampleId :
FB-072122

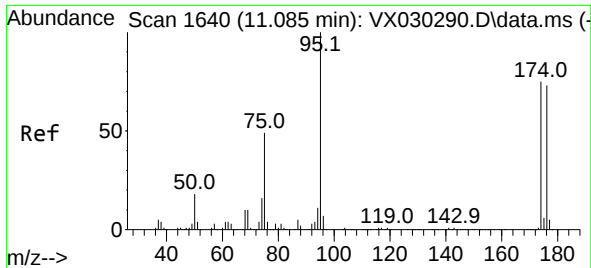
Tgt Ion: 98 Resp: 482571
Ion Ratio Lower Upper
98 100
100 64.1 52.3 78.5



#58
2-Chloroethyl Vinyl ether
Concen: 0.530 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. 0.001 min
Lab File: VX030352.D
Acq: 02 Aug 2022 15:07

Tgt Ion: 63 Resp: 1242
Ion Ratio Lower Upper
63 100
106 27.7 22.2 33.2

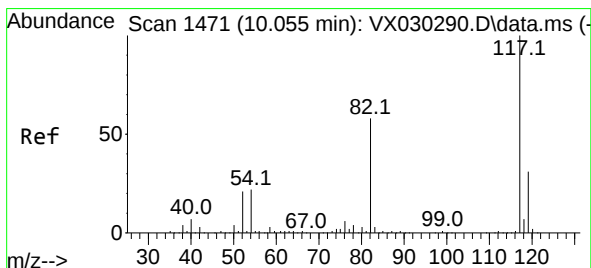
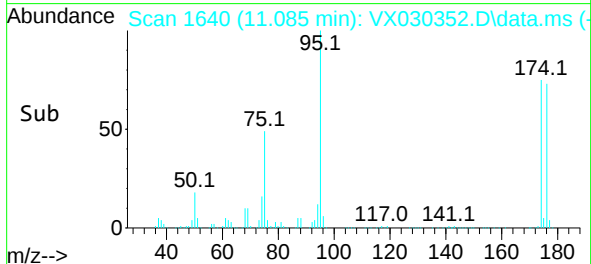
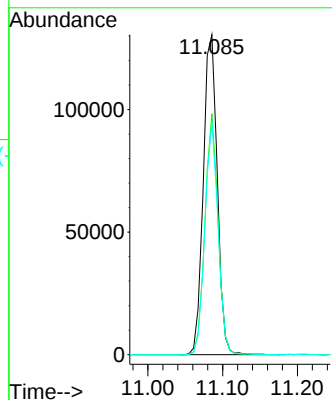
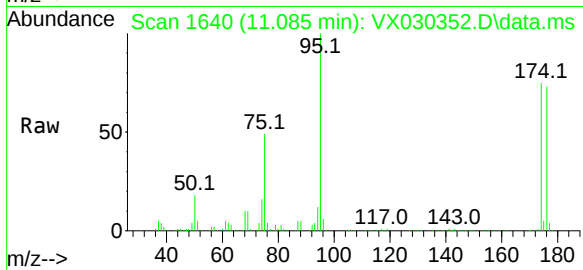




#62
4-Bromofluorobenzene
Concen: 46.397 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX030352.D
Acq: 02 Aug 2022 15:07

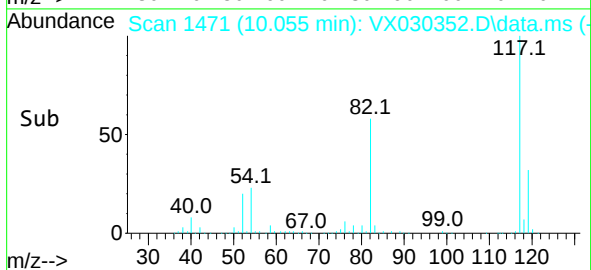
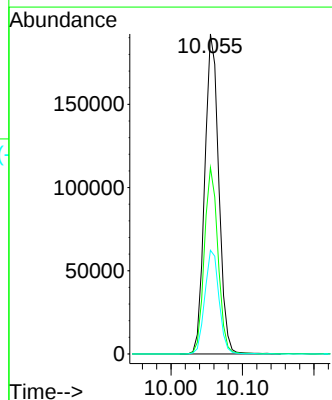
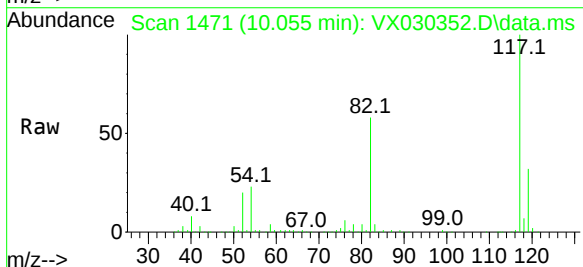
Instrument :
MSVOA_X
ClientSampleId :
FB-072122

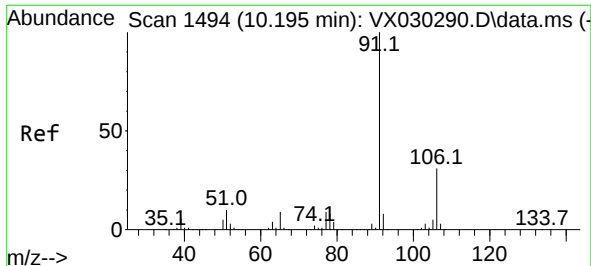
Tgt Ion: 95 Resp: 169404
Ion Ratio Lower Upper
95 100
174 71.1 0.0 149.0
176 68.5 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX030352.D
Acq: 02 Aug 2022 15:07

Tgt Ion: 117 Resp: 262136
Ion Ratio Lower Upper
117 100
82 58.3 42.7 64.1
119 32.4 25.4 38.2





#67

Ethyl Benzene

Concen: Below Cal

RT: 10.201 min Scan# 1495

Delta R.T. 0.006 min

Lab File: VX030352.D

Acq: 02 Aug 2022 15:07

Instrument :

MSVOA_X

ClientSampleId :

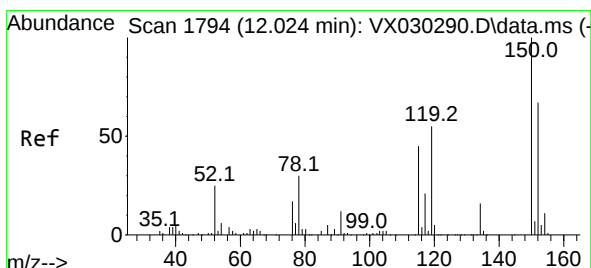
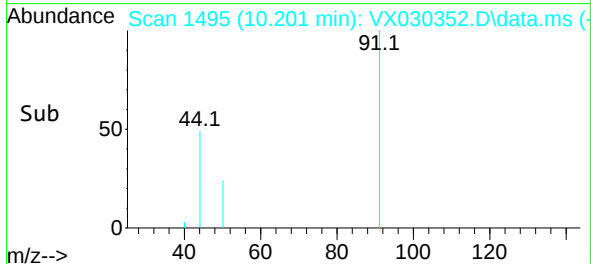
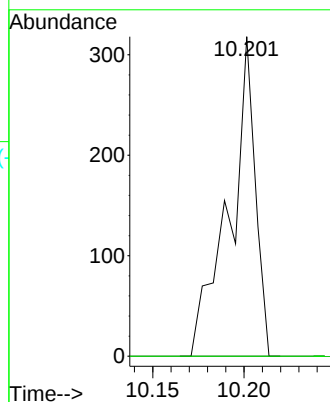
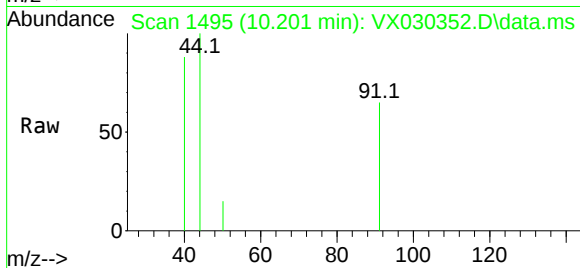
FB-072122

Tgt Ion: 91 Resp: 313

Ion Ratio Lower Upper

91 100

106 0.0 25.5 38.3#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. 0.000 min

Lab File: VX030352.D

Acq: 02 Aug 2022 15:07

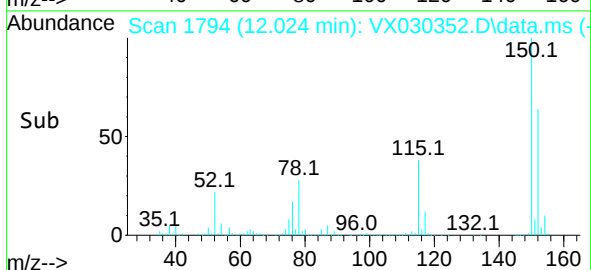
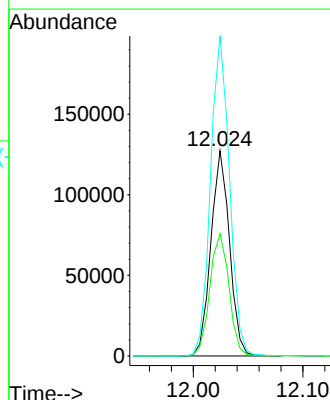
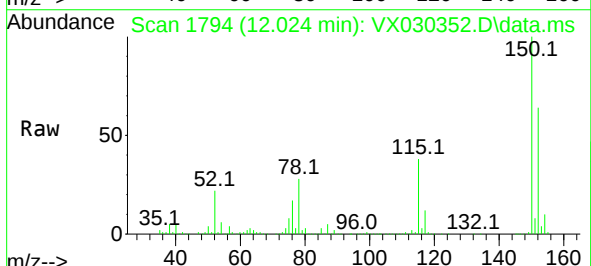
Tgt Ion: 152 Resp: 150076

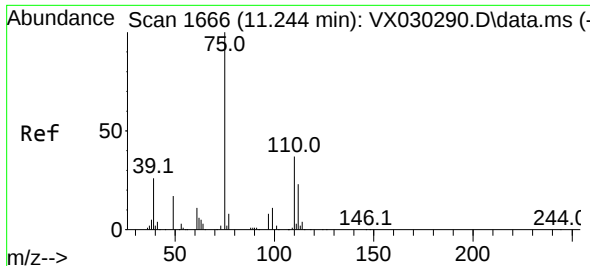
Ion Ratio Lower Upper

152 100

115 61.3 40.5 121.5

150 159.0 0.0 347.0

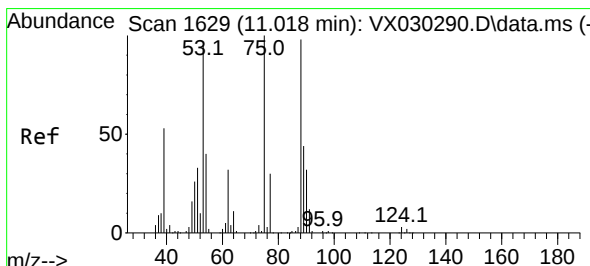
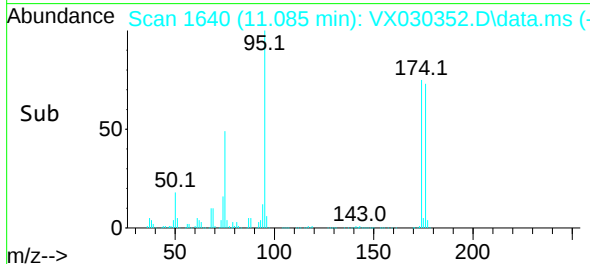
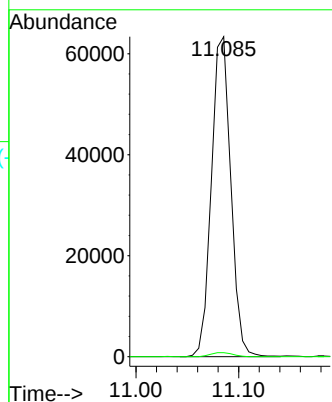
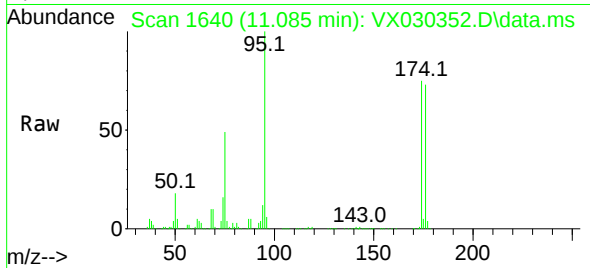




#76
1,2,3-Trichloropropane
Concen: 20.983 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.158 min
Lab File: VX030352.D
Acq: 02 Aug 2022 15:07

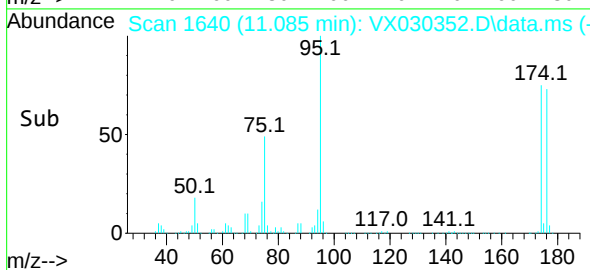
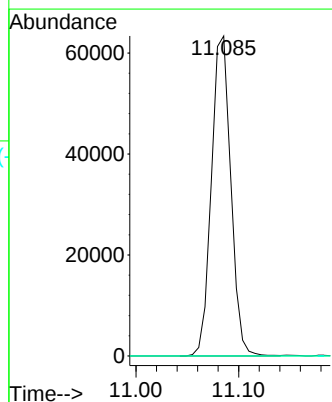
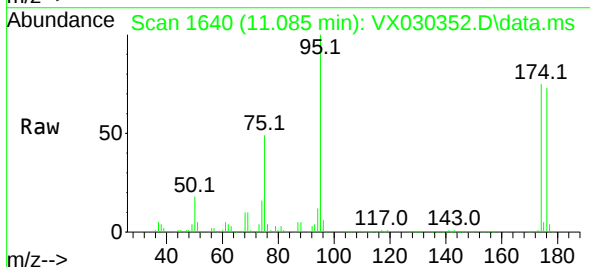
Instrument :
MSVOA_X
ClientSampleId :
FB-072122

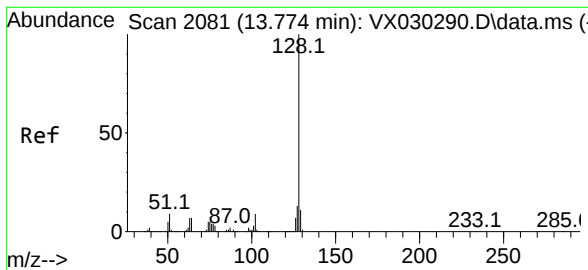
Tgt Ion: 75 Resp: 83008
Ion Ratio Lower Upper
75 100
77 1.4 19.8 59.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 62.948 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX030352.D
Acq: 02 Aug 2022 15:07

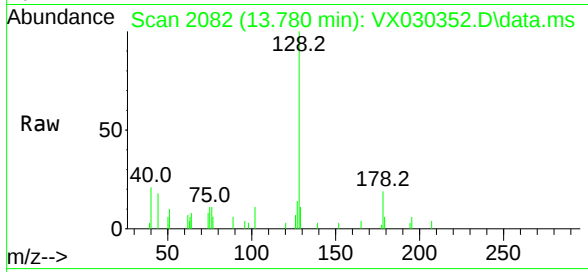
Tgt Ion: 75 Resp: 83008
Ion Ratio Lower Upper
75 100
53 0.0 74.2 111.4#
89 0.0 34.8 52.2#





#95
Naphthalene
Concen: 0.305 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX030352.D
Acq: 02 Aug 2022 15:07

Instrument :
MSVOA_X
ClientSampleId :
FB-072122



Tgt Ion:	128	Resp:	3624
Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.2	15.2
129	9.7	8.6	13.0

