

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX111122\
 Data File : VX032766.D
 Acq On : 11 Nov 2022 11:56
 Operator : JC/MD
 Sample : N5532-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB-01

Quant Time: Nov 14 05:10:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 11 05:24:06 2022
 Response via : Initial Calibration

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

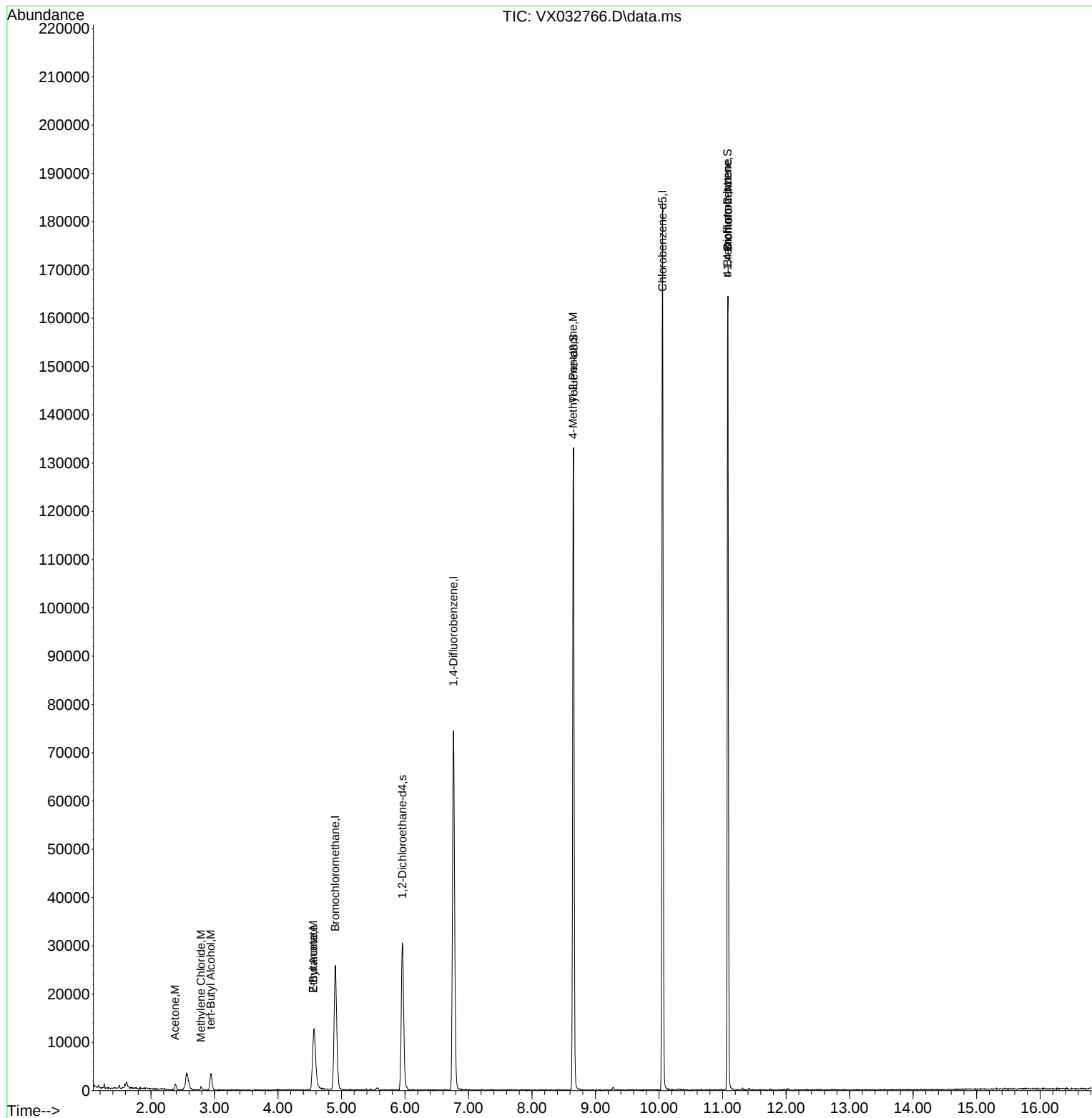
Internal Standards						
1) Bromochloromethane	4.897	128	10628	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	75877	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	79028	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	30874	30.112	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 100.367%	
60) 4-Bromofluorobenzene	11.079	95	41998	27.782	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 92.600%	
63) Toluene-d8	8.653	98	80575	30.212	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 100.700%	
Target Compounds						
					Qvalue	
15) Acetone	2.380	58	421	2.949	ug/l	78
18) Methylene Chloride	2.788	84	292	0.245	ug/l #	63
23) tert-Butyl Alcohol	2.940	59	2313	12.975	ug/l #	100
30) 2-Butanone	4.556	43	336	0.428	ug/l #	49
43) Ethyl Acetate	4.556	43	336	0.213	ug/l #	1
56) Bromoform	11.085	173	352	0.359	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	346	0.224	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	22919	48.511	ug/l #	8

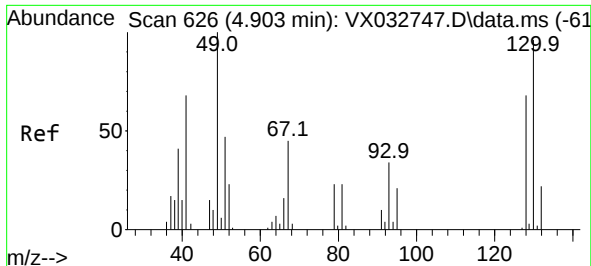
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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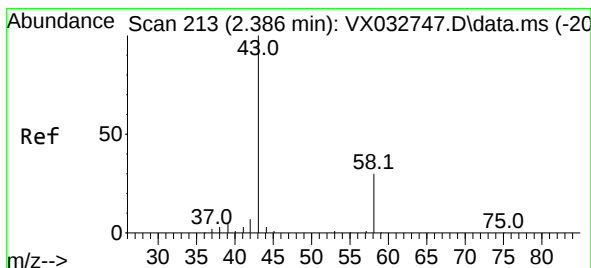
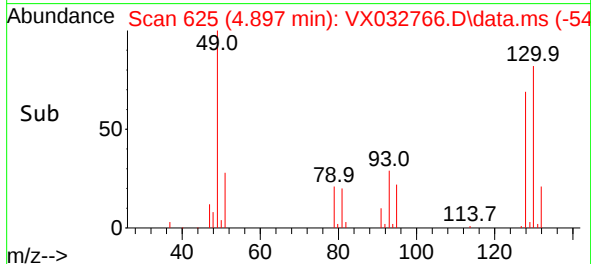
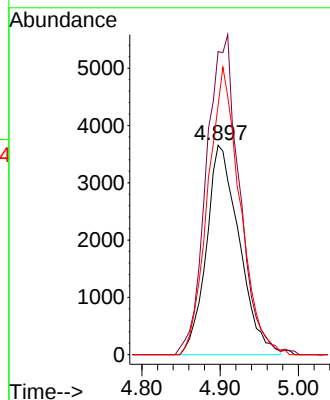
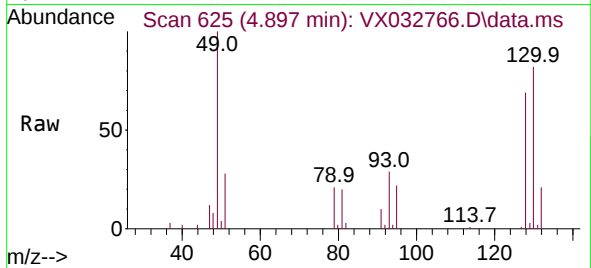




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. -0.006 min
Lab File: VX032766.D
Acq: 11 Nov 2022 11:56

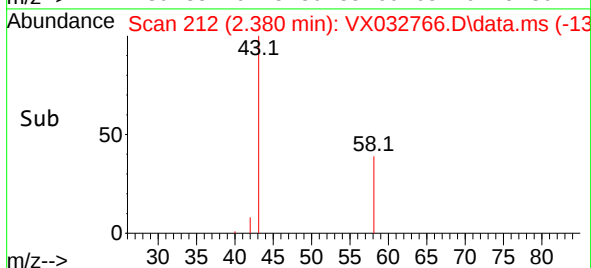
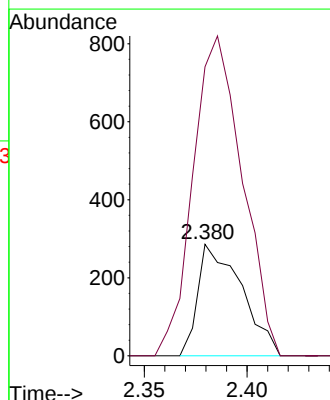
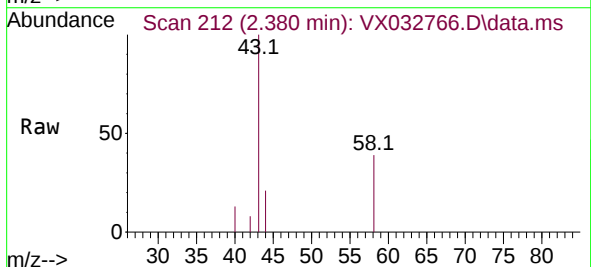
Instrument :
MSVOA_X
ClientSampleId :
FB-01

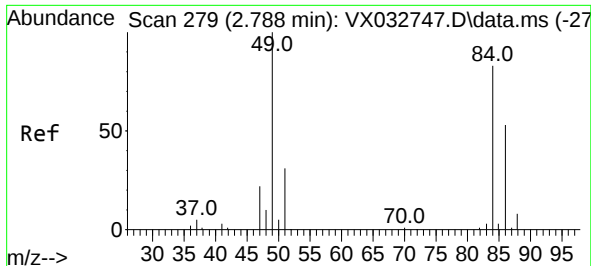
Tgt Ion:128 Resp: 10628
Ion Ratio Lower Upper
128 100
49 153.5 0.0 293.0
130 135.0 0.0 321.5



#15
Acetone
Concen: 2.949 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX032766.D
Acq: 11 Nov 2022 11:56

Tgt Ion: 58 Resp: 421
Ion Ratio Lower Upper
58 100
43 259.1 242.6 364.0



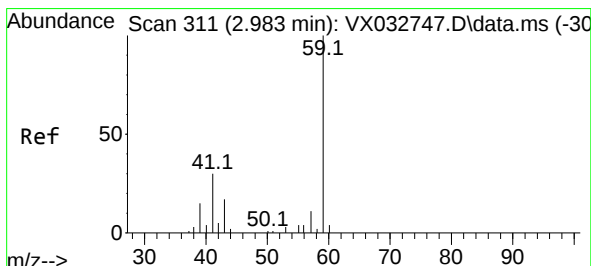
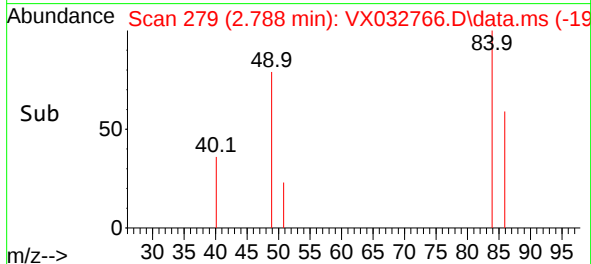
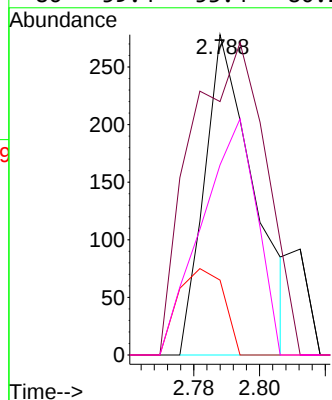
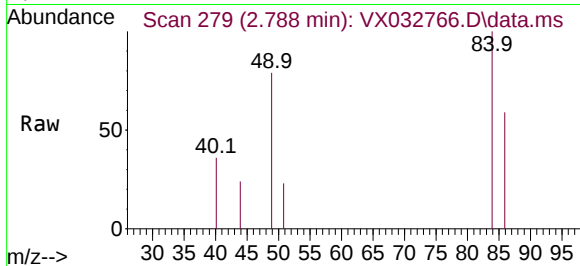


#18
Methylene Chloride
Concen: 0.245 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX032766.D
Acq: 11 Nov 2022 11:56

Instrument :
MSVOA_X
ClientSampleId :
FB-01

Tgt Ion: 84 Resp: 292

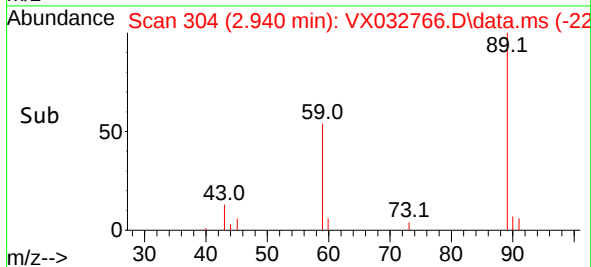
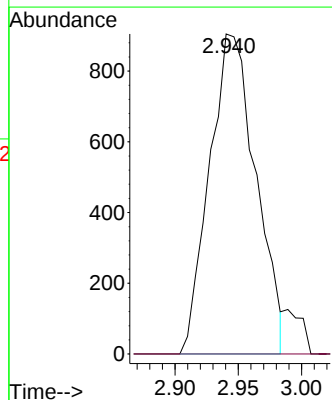
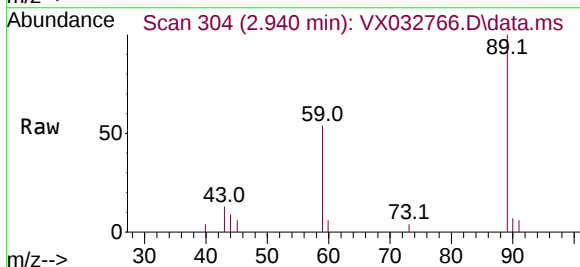
Ion	Ratio	Lower	Upper
84	100		
49	43.5	84.6	127.0#
51	23.4	26.5	39.7#
86	59.4	53.4	80.2

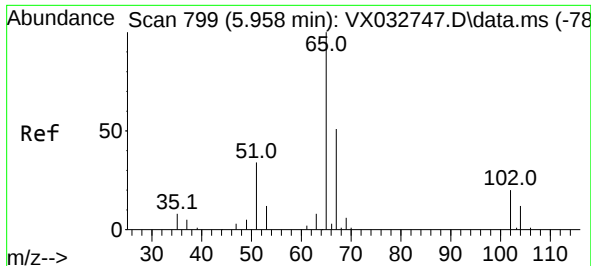


#23
tert-Butyl Alcohol
Concen: 12.975 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX032766.D
Acq: 11 Nov 2022 11:56

Tgt Ion: 59 Resp: 2313

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

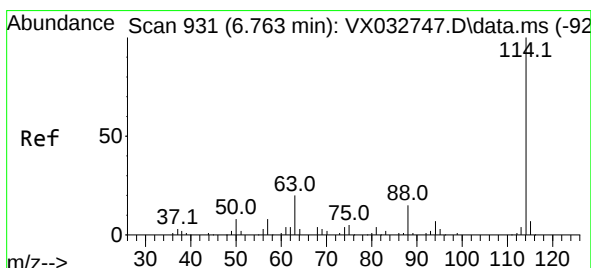
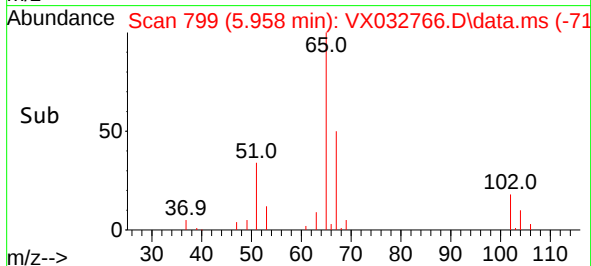
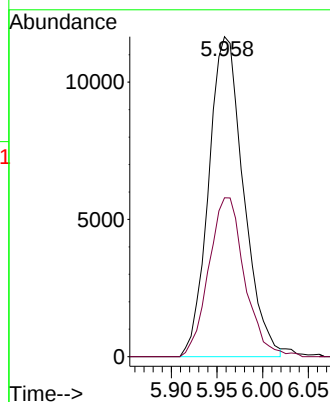
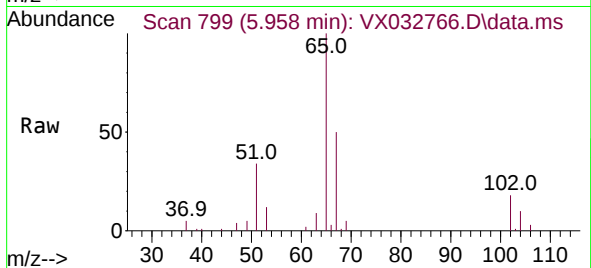




#27
 1,2-Dichloroethane-d4
 Concen: 30.112 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. -0.000 min
 Lab File: VX032766.D
 Acq: 11 Nov 2022 11:56

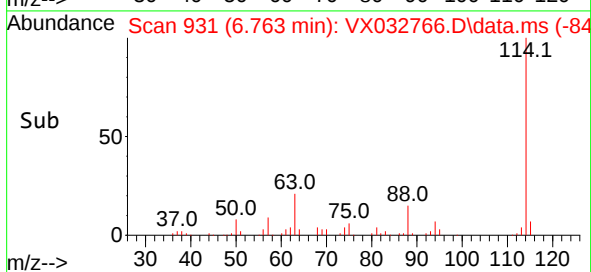
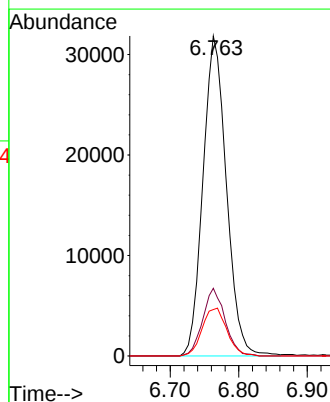
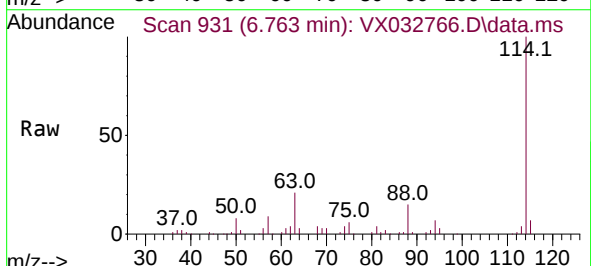
Instrument :
 MSVOA_X
 ClientSampleId :
 FB-01

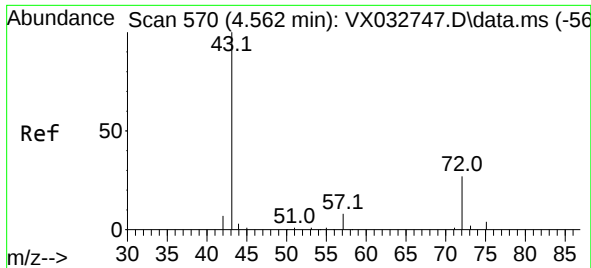
Tgt Ion: 65 Resp: 30874
 Ion Ratio Lower Upper
 65 100
 67 50.9 41.8 62.6



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX032766.D
 Acq: 11 Nov 2022 11:56

Tgt Ion: 114 Resp: 75877
 Ion Ratio Lower Upper
 114 100
 63 20.2 13.6 20.4
 88 15.8 11.8 17.6

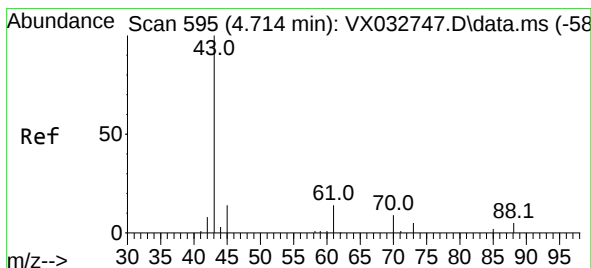
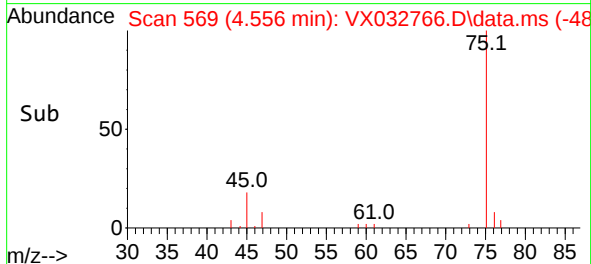
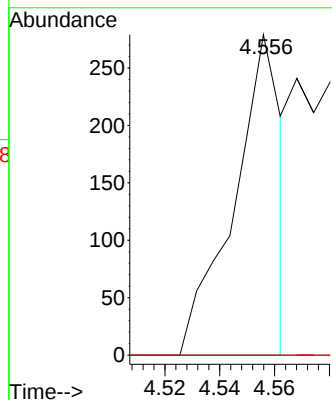
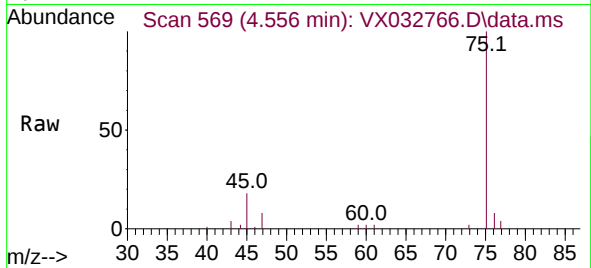




#30
2-Butanone
Concen: 0.428 ug/l
RT: 4.556 min Scan# 509
Delta R.T. -0.006 min
Lab File: VX032766.D
Acq: 11 Nov 2022 11:56

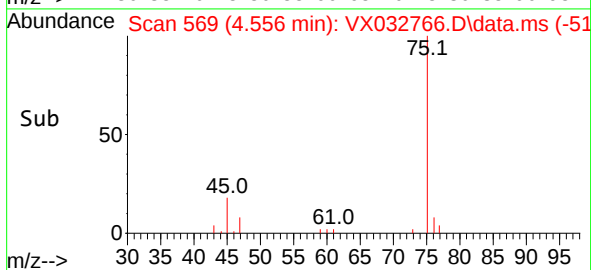
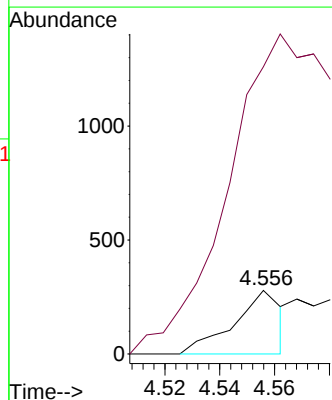
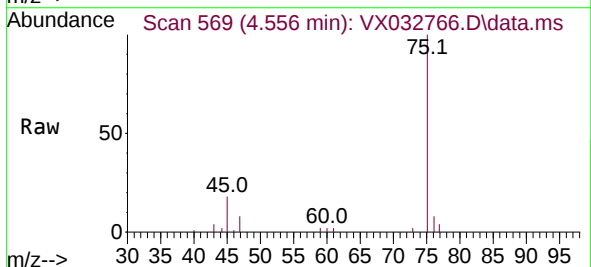
Instrument :
MSVOA_X
ClientSampleId :
FB-01

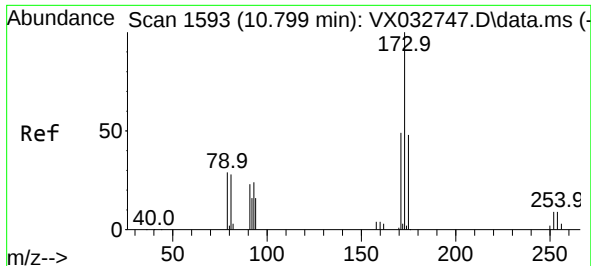
Tgt Ion: 43 Resp: 336
Ion Ratio Lower Upper
43 100
57 0.0 7.5 11.3#
72 0.0 26.6 39.8#



#43
Ethyl Acetate
Concen: 0.213 ug/l
RT: 4.556 min Scan# 569
Delta R.T. -0.159 min
Lab File: VX032766.D
Acq: 11 Nov 2022 11:56

Tgt Ion: 43 Resp: 336
Ion Ratio Lower Upper
43 100
45 1428.0 8.2 12.2#

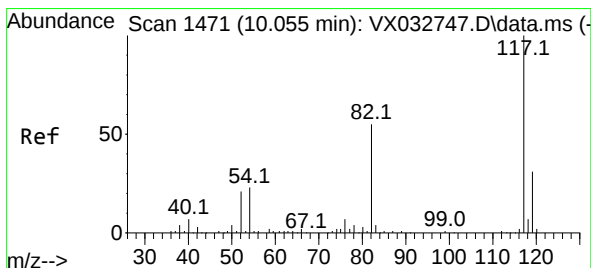
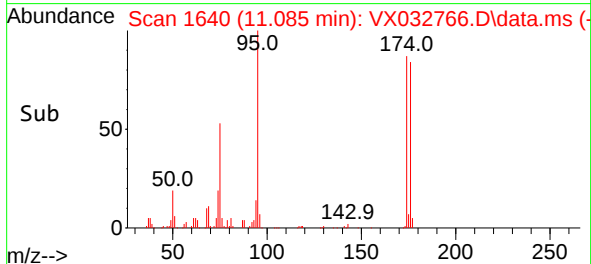
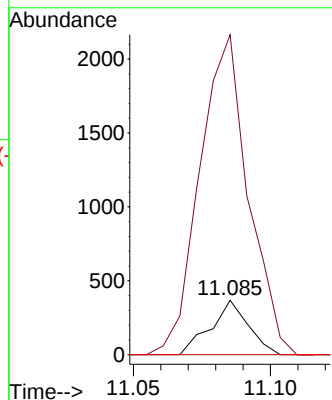
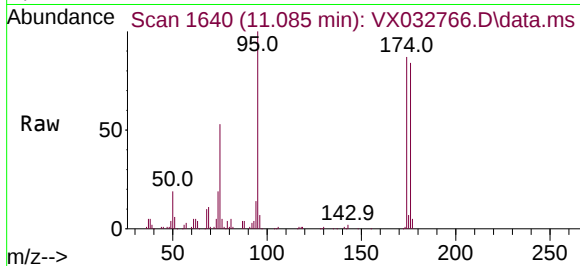




#56
Bromoform
Concen: 0.359 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.286 min
Lab File: VX032766.D
Acq: 11 Nov 2022 11:56

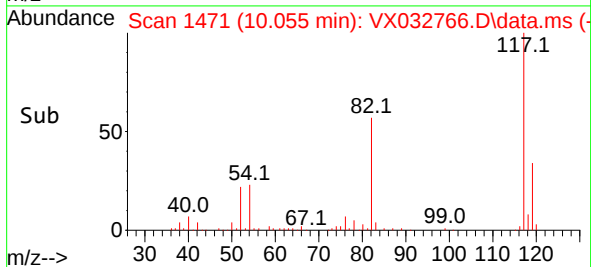
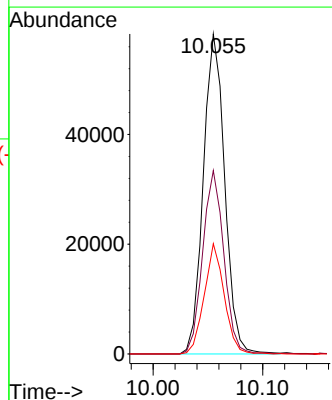
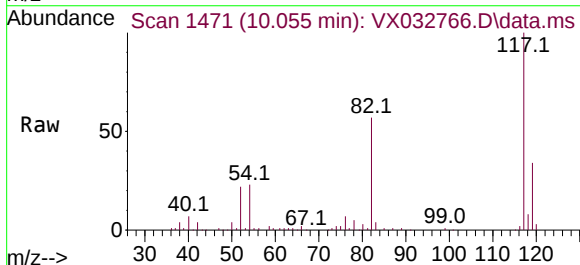
Instrument :
MSVOA_X
ClientSampleId :
FB-01

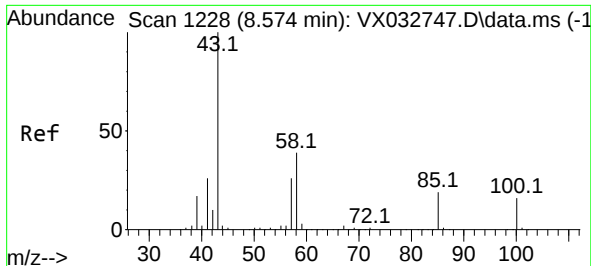
Tgt Ion:173 Resp: 352
Ion Ratio Lower Upper
173 100
175 757.7 38.6 58.0#
254 0.0 6.8 10.2#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX032766.D
Acq: 11 Nov 2022 11:56

Tgt Ion:117 Resp: 79028
Ion Ratio Lower Upper
117 100
82 56.4 40.0 60.0
119 32.0 26.0 39.0





#58

4-Methyl-2-Pentanone

Concen: 0.224 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX032766.D

Acq: 11 Nov 2022 11:56

Instrument :

MSVOA_X

ClientSampleId :

FB-01

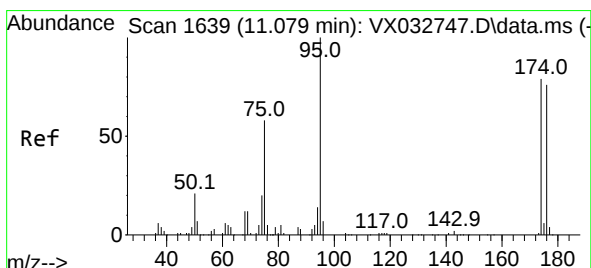
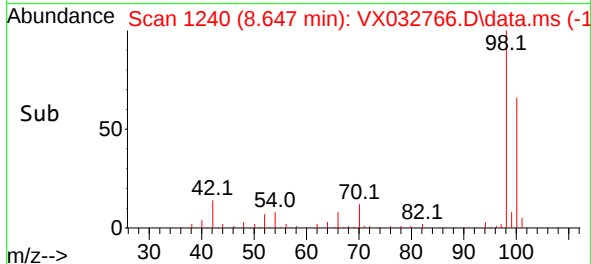
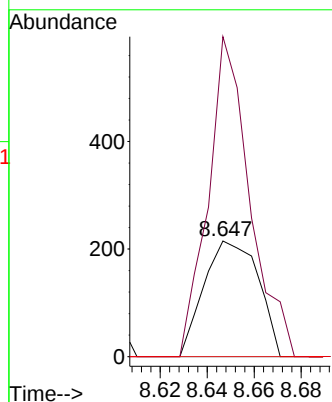
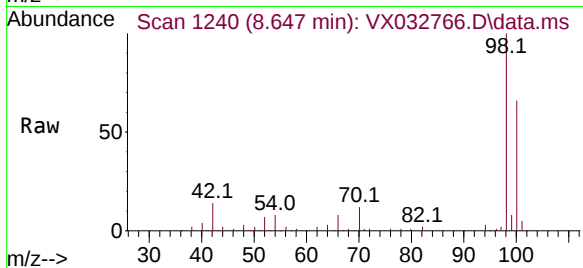
Tgt Ion: 43 Resp: 346

Ion Ratio Lower Upper

43 100

58 212.1 34.9 52.3#

85 0.0 19.4 29.2#



#60

4-Bromofluorobenzene

Concen: 27.782 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX032766.D

Acq: 11 Nov 2022 11:56

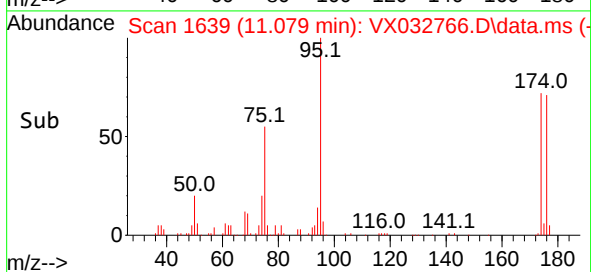
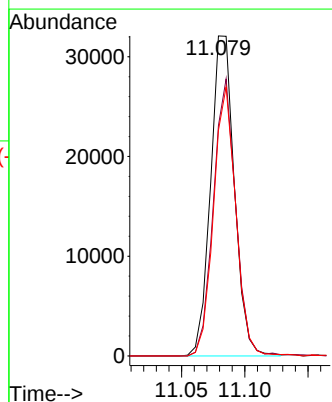
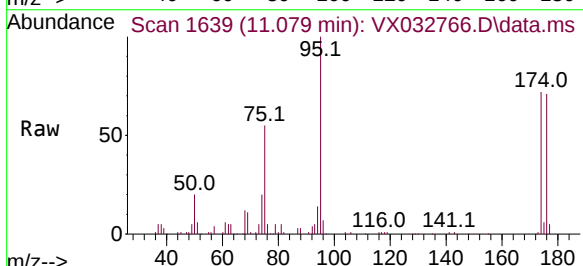
Tgt Ion: 95 Resp: 41998

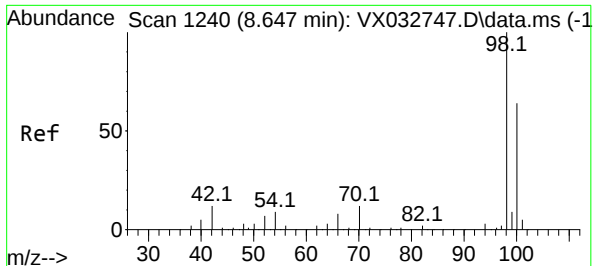
Ion Ratio Lower Upper

95 100

174 81.1 68.2 102.2

176 78.5 68.1 102.1

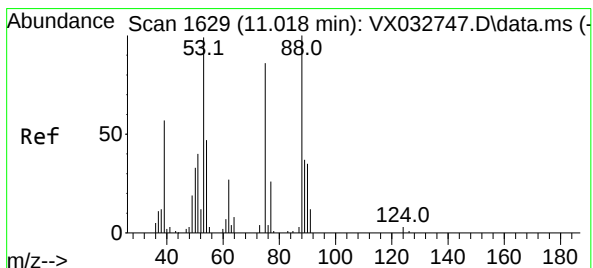
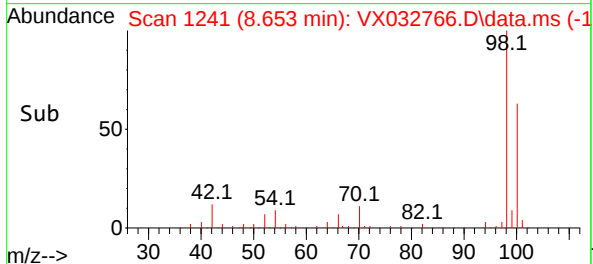
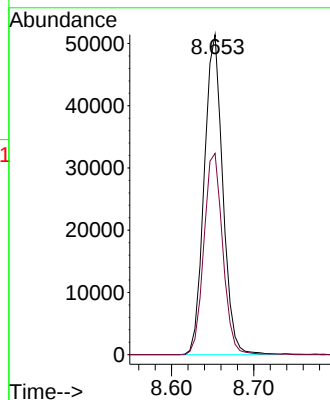
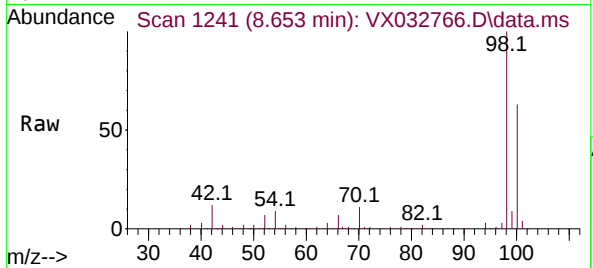




#63
Toluene-d8
Concen: 30.212 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX032766.D
Acq: 11 Nov 2022 11:56

Instrument :
MSVOA_X
ClientSampleId :
FB-01

Tgt Ion: 98 Resp: 80575
Ion Ratio Lower Upper
98 100
100 63.8 53.8 80.8



#77
t-1,4-Dichloro-2-butene
Concen: 48.511 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX032766.D
Acq: 11 Nov 2022 11:56

Tgt Ion: 75 Resp: 22919
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.4#
89 0.0 22.9 68.8#

