

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052523\
 Data File : VX035883.D
 Acq On : 26 May 2023 04:22
 Operator : JC/MD
 Sample : 02945-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TWP04

Quant Time: May 26 09:23:27 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X052323W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue May 23 11:36:37 2023
 Response via : Initial Calibration

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

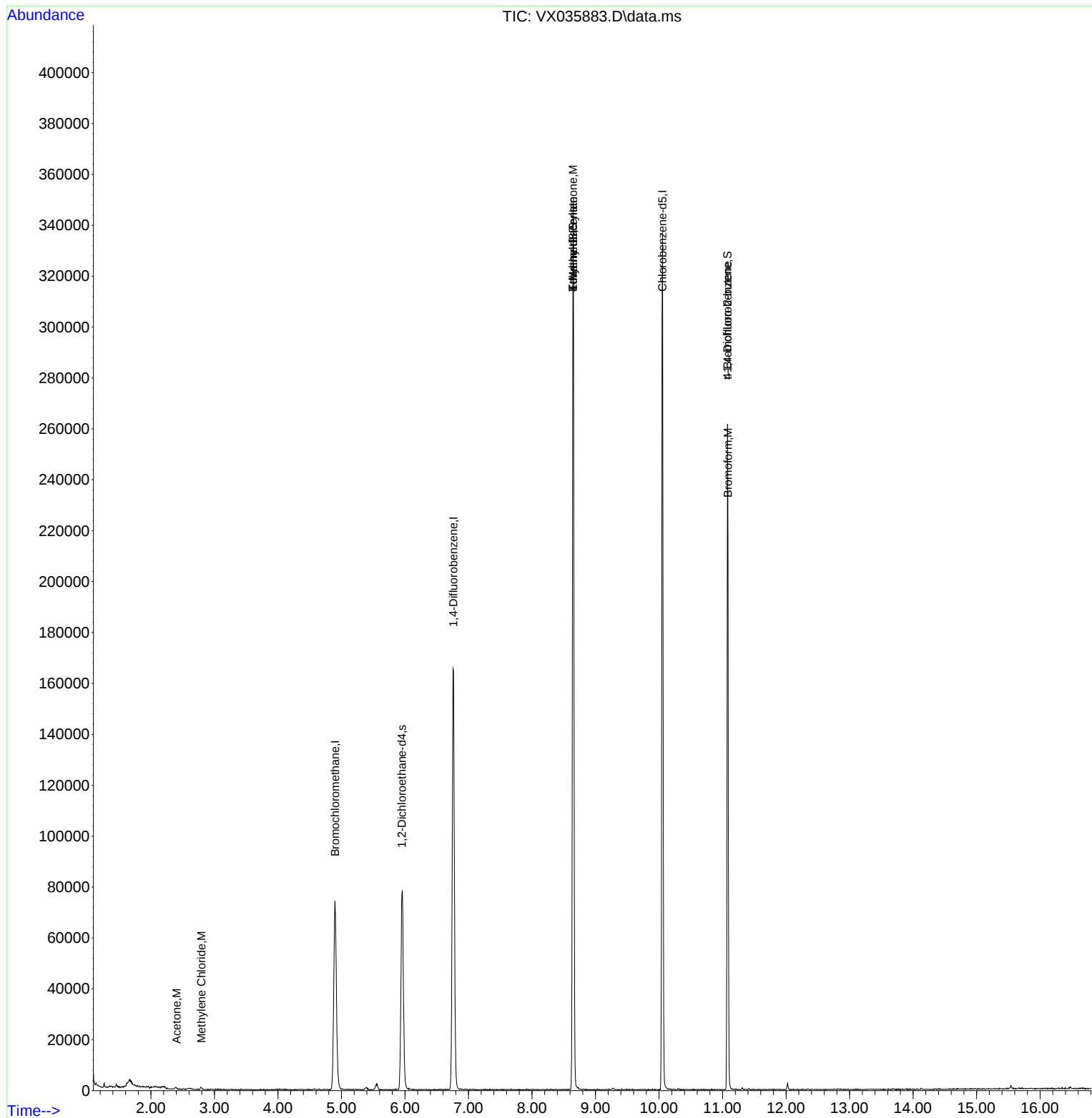
Internal Standards						
1) Bromochloromethane	4.898	128	28943	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	165096	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	144518	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	74579	31.012	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.367%
60) 4-Bromofluorobenzene	11.079	95	66478	27.414	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.367%
63) Toluene-d8	8.647	98	196214	30.712	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.367%
Target Compounds						
					Qvalue	
15) Acetone	2.404	58	70	0.228	ug/l #	1
18) Methylene Chloride	2.794	84	403	0.213	ug/l #	62
51) Ethyl methacrylate	8.647	69	647	0.222	ug/l #	70
56) Bromoform	11.085	173	449	0.400	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	994	0.354	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	36135	48.274	ug/l #	4

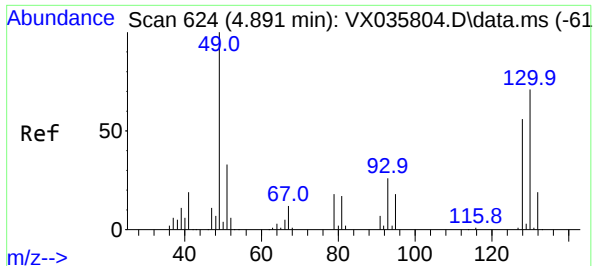
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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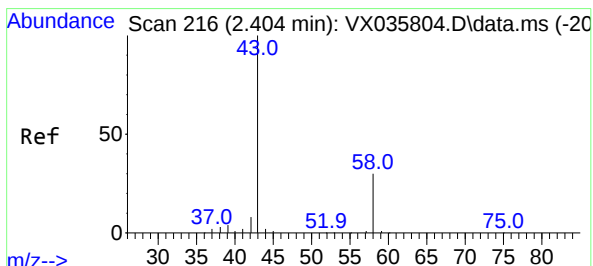
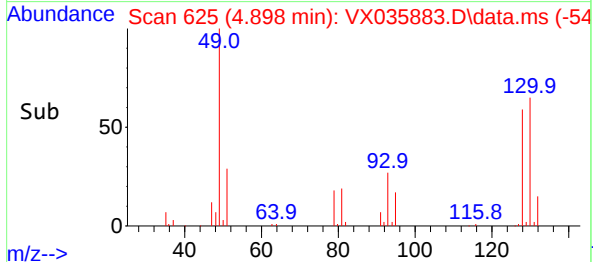
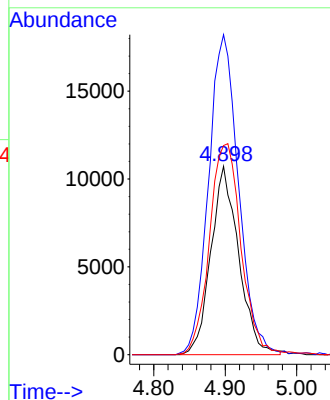
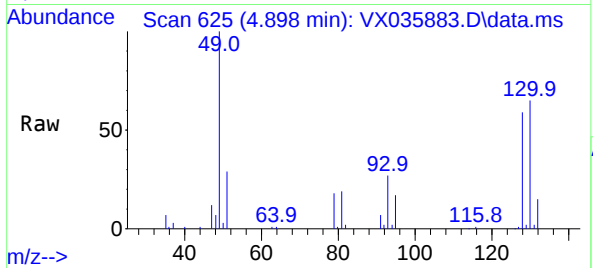




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX035883.D
Acq: 26 May 2023 04:22

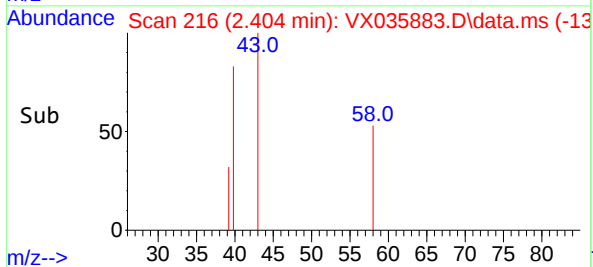
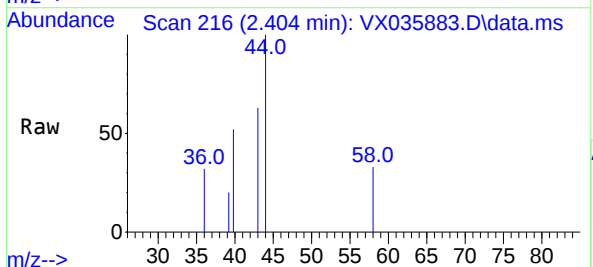
Instrument :
MSVOA_X
ClientSampleId :
TWP04

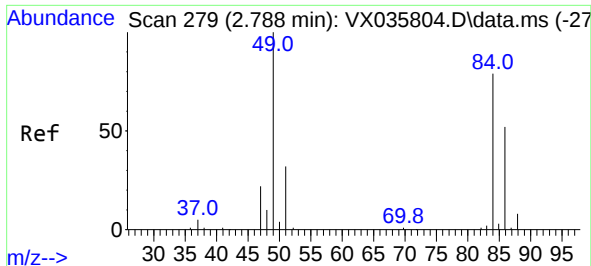
Tgt Ion:128 Resp: 28943
Ion Ratio Lower Upper
128 100
49 182.9 0.0 428.8
130 127.3 0.0 310.8



#15
Acetone
Concen: 0.228 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.000 min
Lab File: VX035883.D
Acq: 26 May 2023 04:22

Tgt Ion: 58 Resp: 70
Ion Ratio Lower Upper
58 100
43 104.1 270.8 406.2#

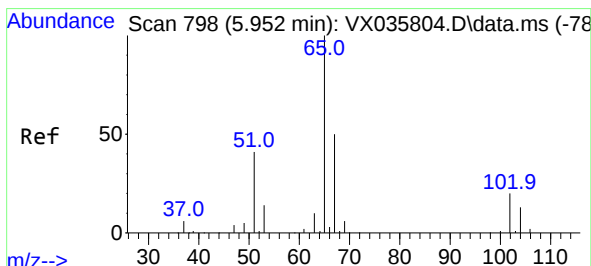
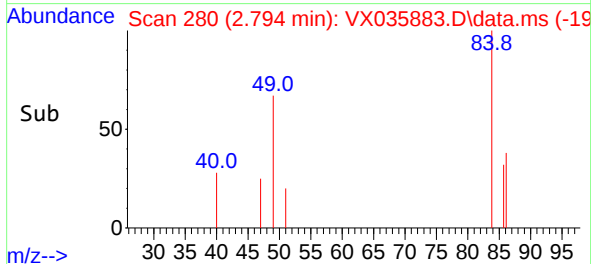
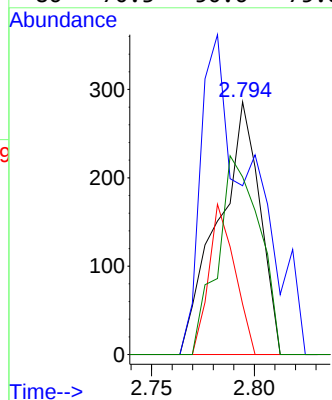
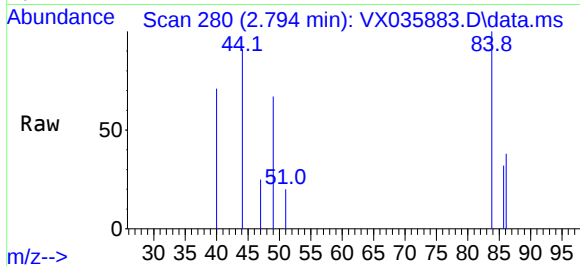




#18
Methylene Chloride
Concen: 0.213 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX035883.D
Acq: 26 May 2023 04:22

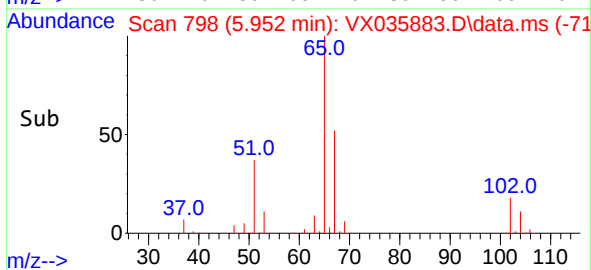
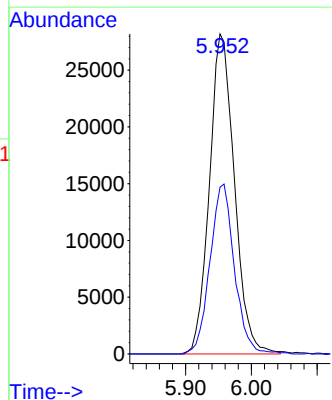
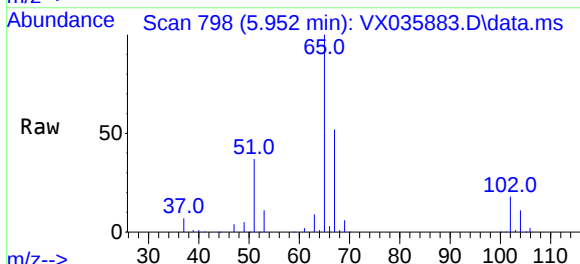
Instrument :
MSVOA_X
ClientSampleId :
TWP04

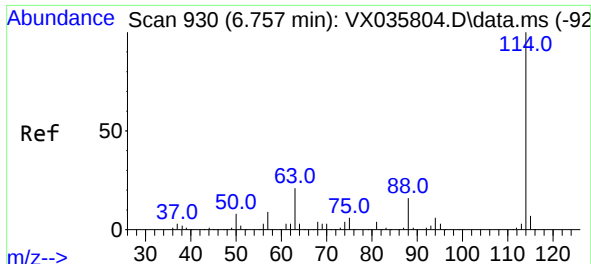
Tgt Ion: 84 Resp: 403
Ion Ratio Lower Upper
84 100
49 66.8 103.9 155.9#
51 19.9 30.6 45.8#
86 70.3 50.6 75.8



#27
1,2-Dichloroethane-d4
Concen: 31.012 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX035883.D
Acq: 26 May 2023 04:22

Tgt Ion: 65 Resp: 74579
Ion Ratio Lower Upper
65 100
67 51.7 40.9 61.3





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

Lab File: VX035883.D

Acq: 26 May 2023 04:22

Instrument :

MSVOA_X

ClientSampleId :

TWP04

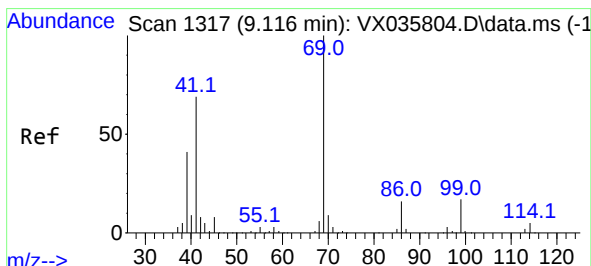
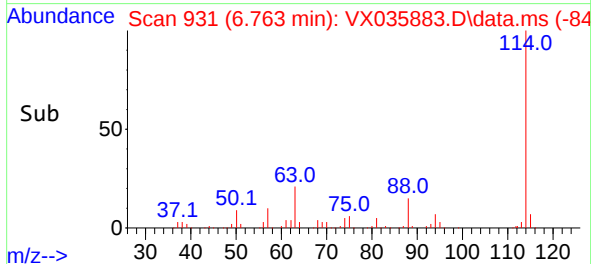
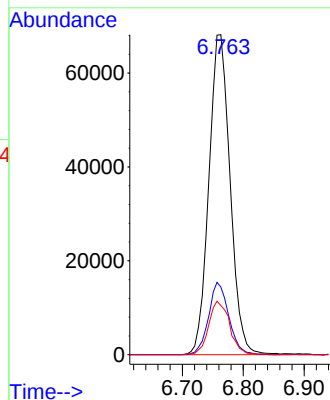
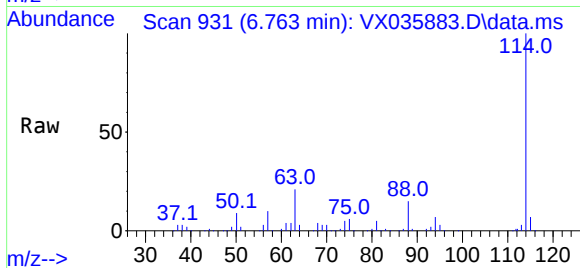
Tgt Ion:114 Resp: 165096

Ion Ratio Lower Upper

114 100

63 21.5 18.0 27.0

88 16.4 13.3 19.9



#51

Ethyl methacrylate

Concen: 0.222 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.469 min

Lab File: VX035883.D

Acq: 26 May 2023 04:22

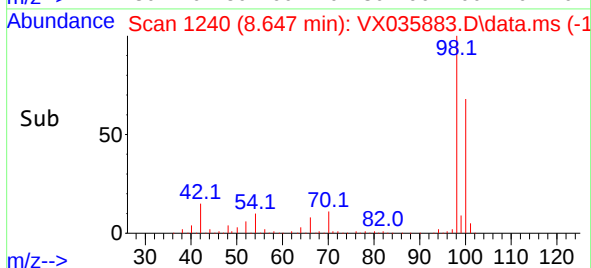
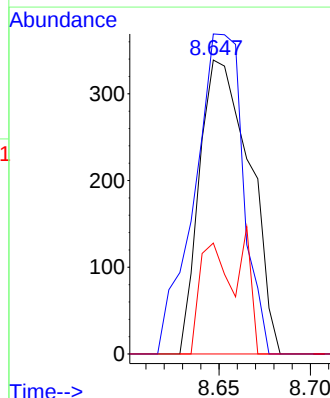
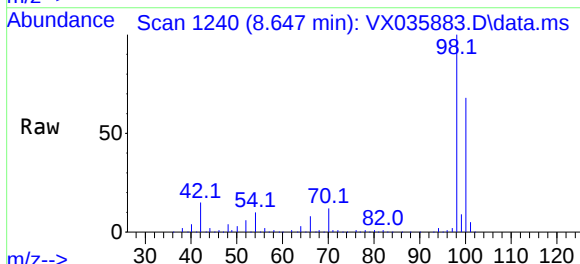
Tgt Ion: 69 Resp: 647

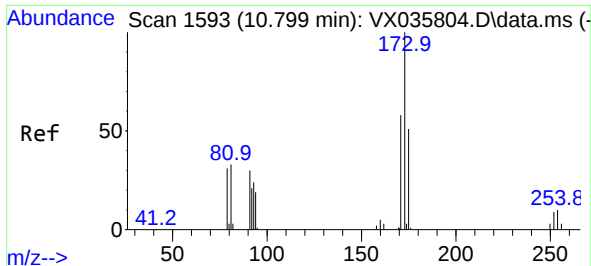
Ion Ratio Lower Upper

69 100

41 108.8 36.2 108.6#

39 37.8 21.2 63.6

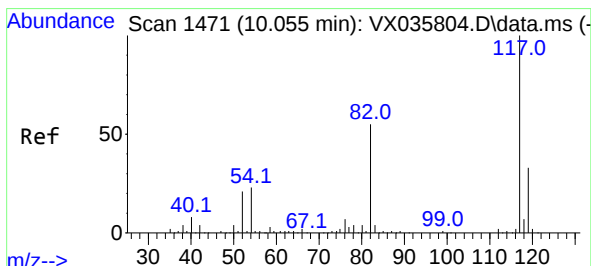
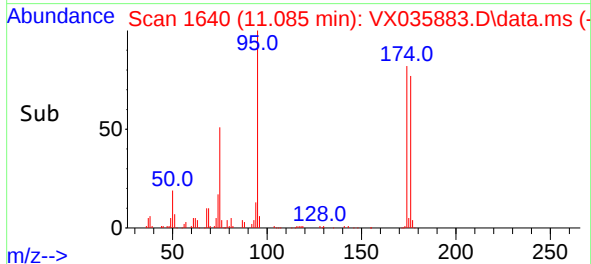
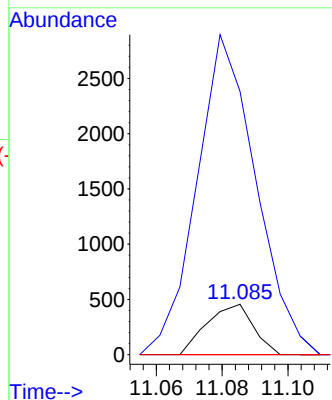
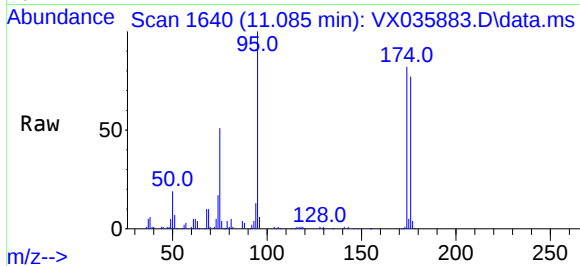




#56
Bromoform
Concen: 0.400 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.287 min
Lab File: VX035883.D
Acq: 26 May 2023 04:22

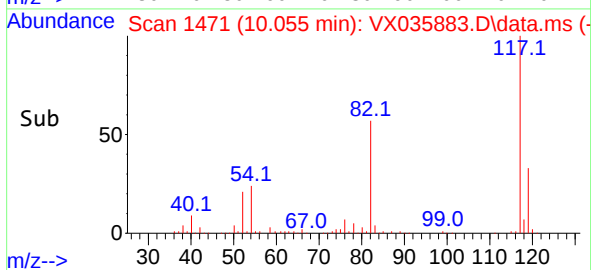
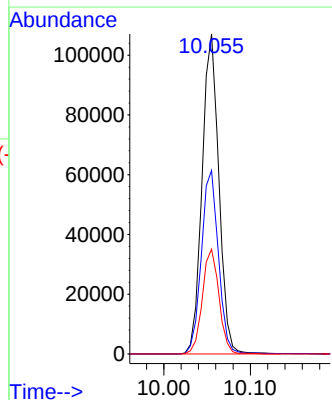
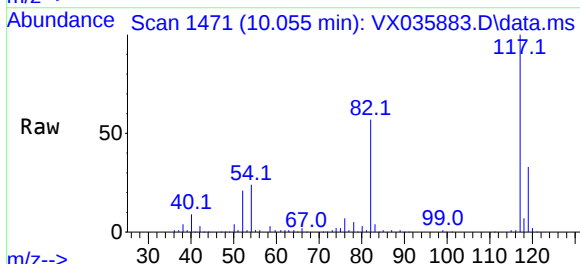
Instrument :
MSVOA_X
ClientSampleId :
TWP04

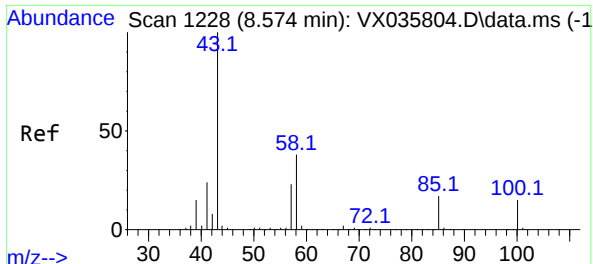
Tgt Ion:173 Resp: 449
Ion Ratio Lower Upper
173 100
175 807.1 37.0 55.4#
254 0.0 6.7 10.1#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX035883.D
Acq: 26 May 2023 04:22

Tgt Ion:117 Resp: 144518
Ion Ratio Lower Upper
117 100
82 58.0 45.8 68.8
119 32.2 25.4 38.0

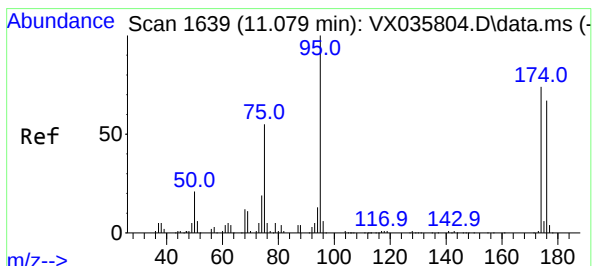
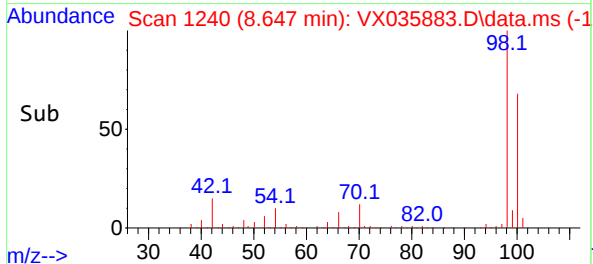
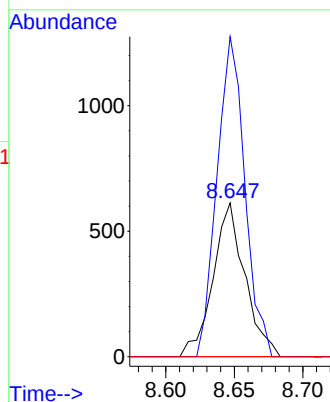
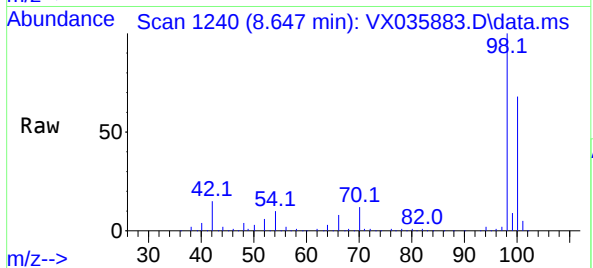




#58
4-Methyl-2-Pentanone
Concen: 0.354 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.073 min
Lab File: VX035883.D
Acq: 26 May 2023 04:22

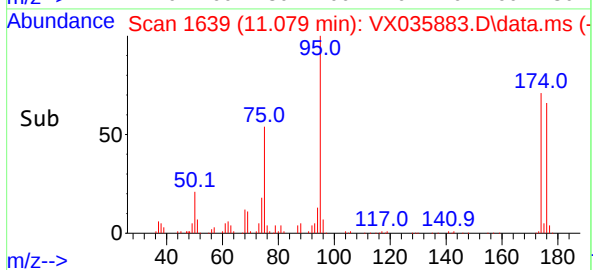
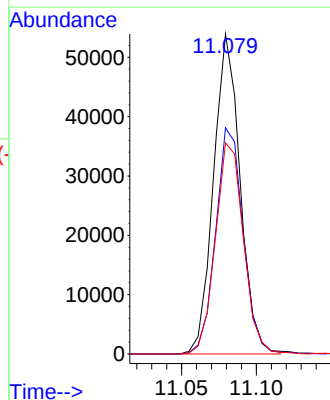
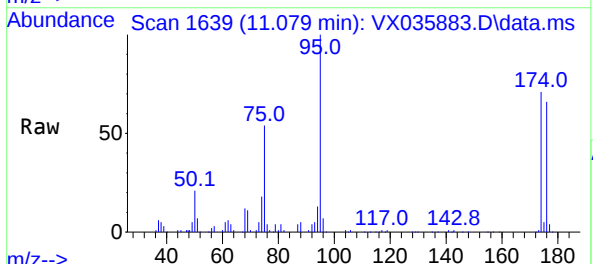
Instrument :
MSVOA_X
ClientSampleId :
TWP04

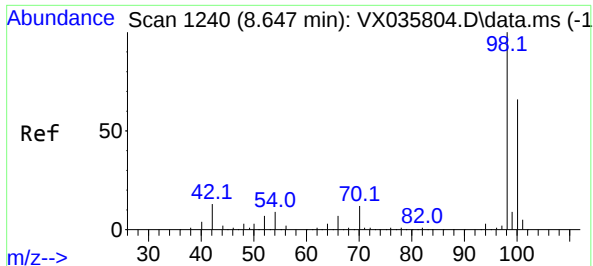
Tgt Ion:	43	Resp:	994
Ion	Ratio	Lower	Upper
43	100		
58	181.5	29.9	44.9#
85	0.0	13.2	19.8#



#60
4-Bromofluorobenzene
Concen: 27.414 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX035883.D
Acq: 26 May 2023 04:22

Tgt Ion:	95	Resp:	66478
Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.2	0.4#
176	69.8	0.2	0.2#

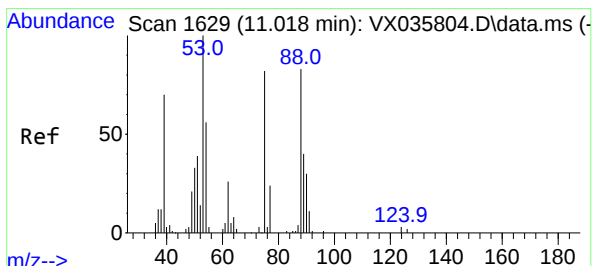
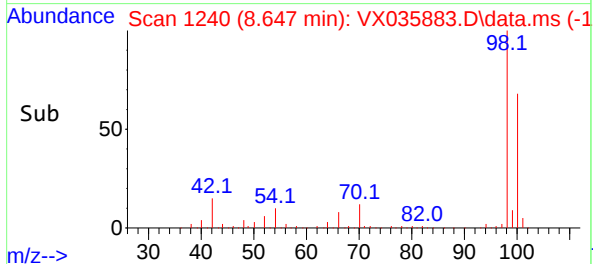
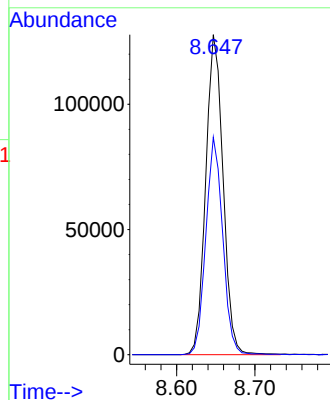
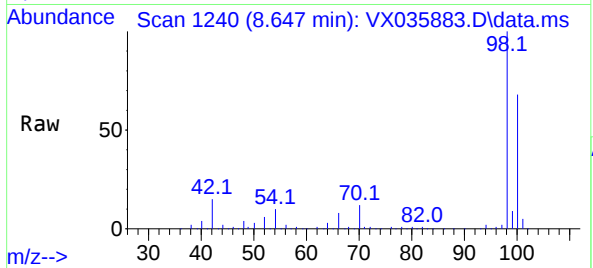




#63
Toluene-d8
Concen: 30.712 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX035883.D
Acq: 26 May 2023 04:22

Instrument :
MSVOA_X
ClientSampleId :
TWP04

Tgt Ion: 98 Resp: 196214
Ion Ratio Lower Upper
98 100
100 65.8 52.1 78.1



#77
t-1,4-Dichloro-2-butene
Concen: 48.274 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX035883.D
Acq: 26 May 2023 04:22

Tgt Ion: 75 Resp: 36135
Ion Ratio Lower Upper
75 100
53 0.0 58.2 174.6#
89 0.0 20.6 61.8#

