

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112822\
 Data File : VX033099.D
 Acq On : 28 Nov 2022 18:56
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Nov 29 03:45:37 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)

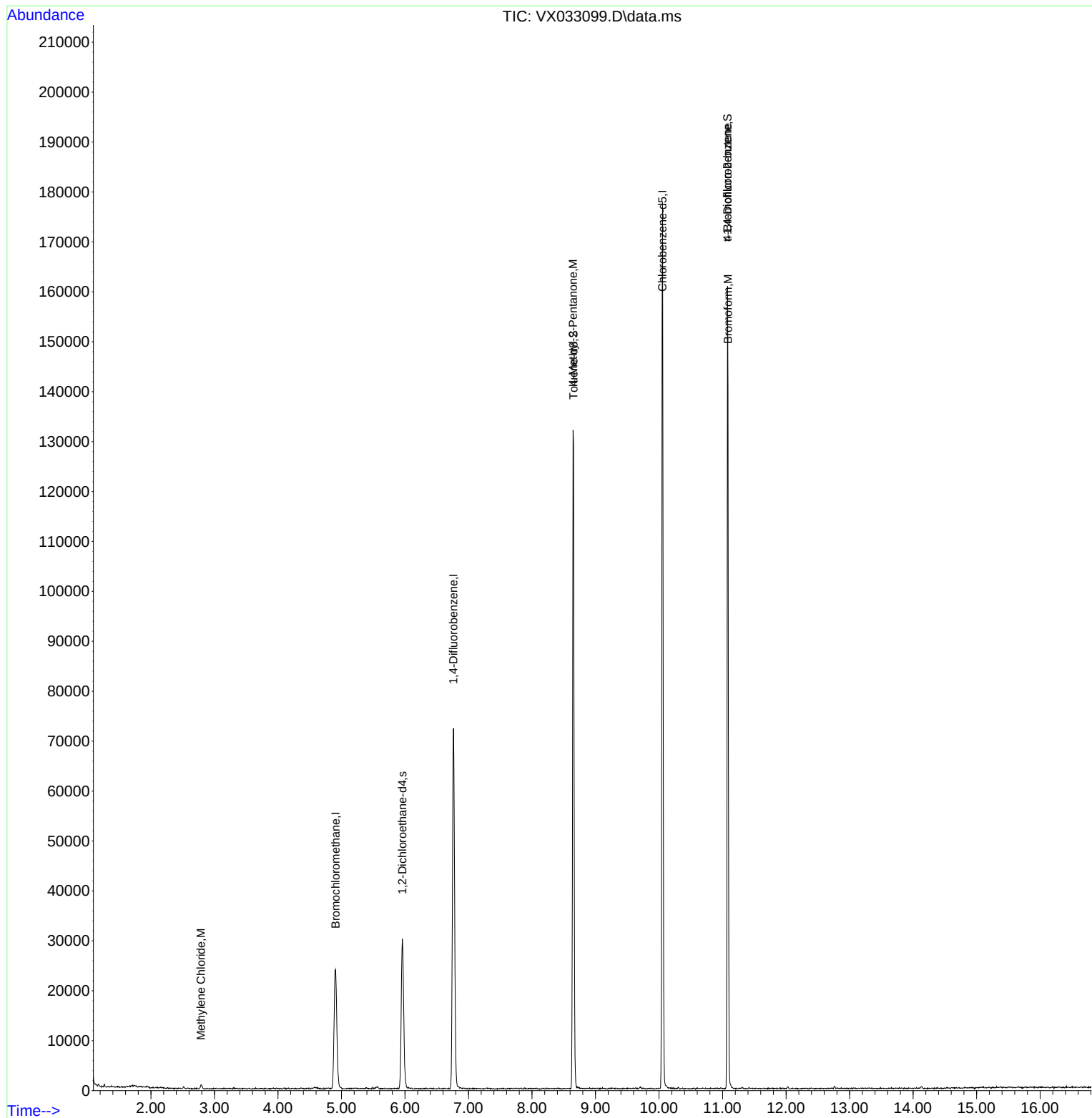
Internal Standards						
1) Bromochloromethane	4.910	128	10804	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	74620	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	78762	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	30001	28.784	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.933%
60) 4-Bromofluorobenzene	11.079	95	41333	27.434	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.433%
63) Toluene-d8	8.653	98	79229	29.807	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.367%
Target Compounds						
					Qvalue	
18) Methylene Chloride	2.788	84	437	0.361	ug/l #	86
56) Bromoform	11.085	173	383	0.397	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	378	0.245	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	22282	47.322	ug/l #	8

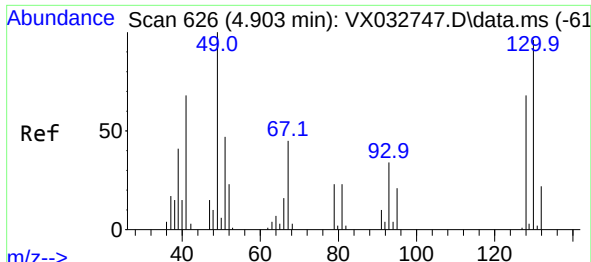
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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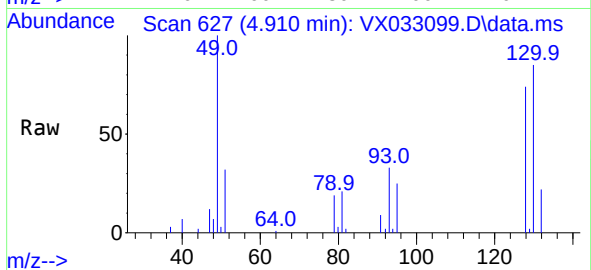
Quant Time: Nov 29 03:45:37 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X111022W.M
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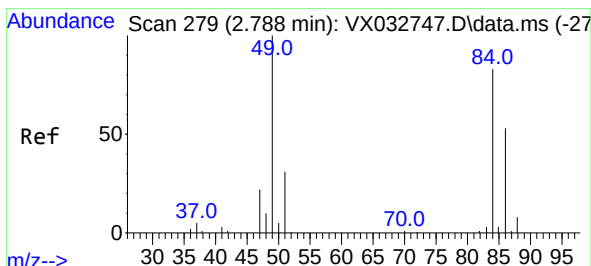
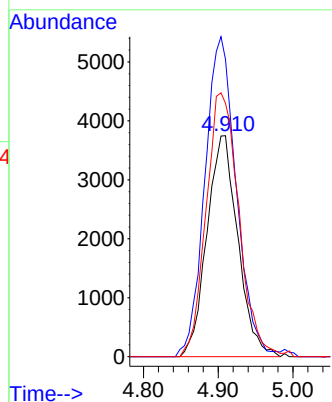
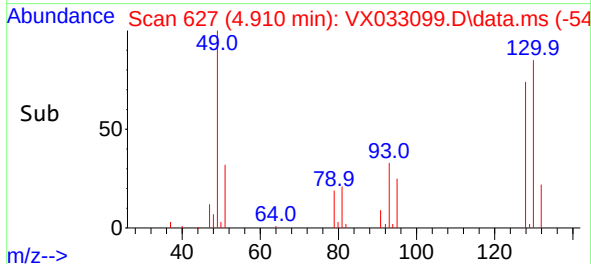


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.910 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX033099.D
Acq: 28 Nov 2022 18:56

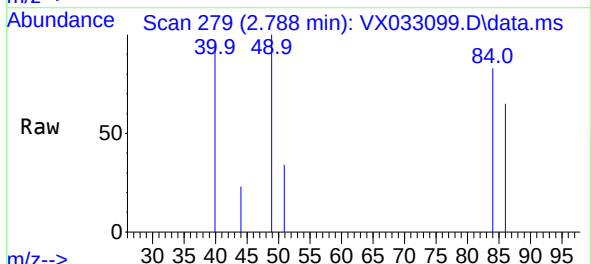
Instrument :
MSVOA_X
ClientSampleId :
IBLK



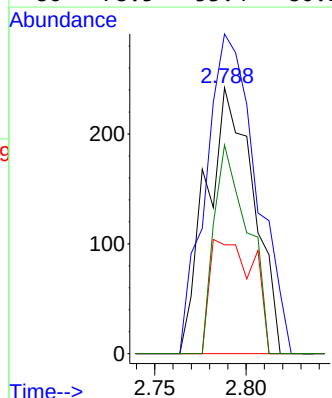
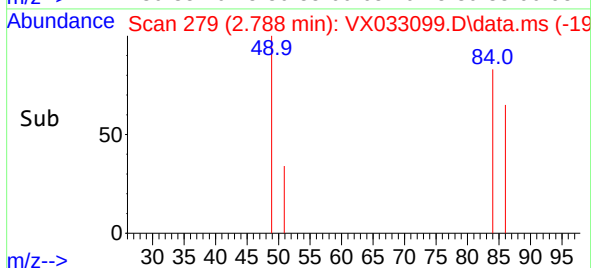
Tgt Ion:128 Resp: 10804
Ion Ratio Lower Upper
128 100
49 146.3 0.0 293.0
130 126.0 0.0 321.5

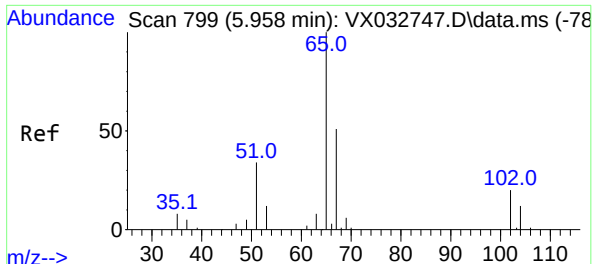


#18
Methylene Chloride
Concen: 0.361 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX033099.D
Acq: 28 Nov 2022 18:56



Tgt Ion: 84 Resp: 437
Ion Ratio Lower Upper
84 100
49 120.2 84.6 127.0
51 40.9 26.5 39.7#
86 78.5 53.4 80.2

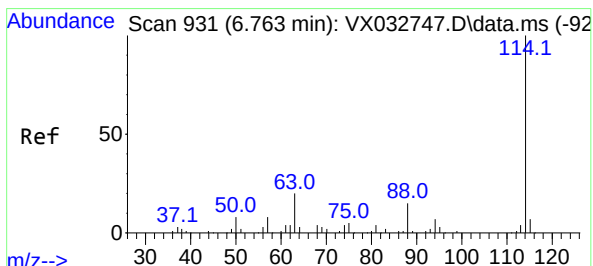
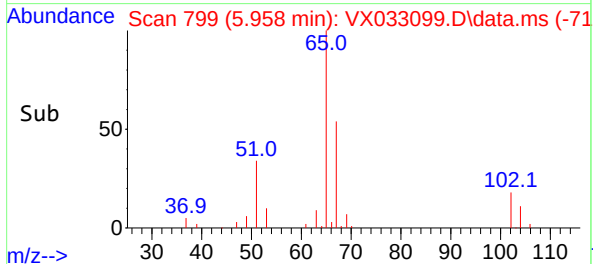
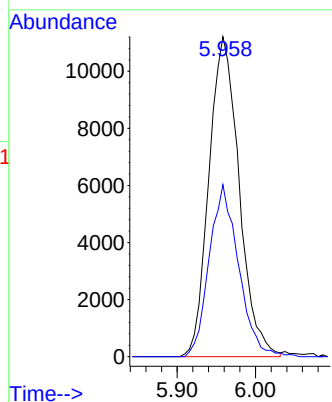
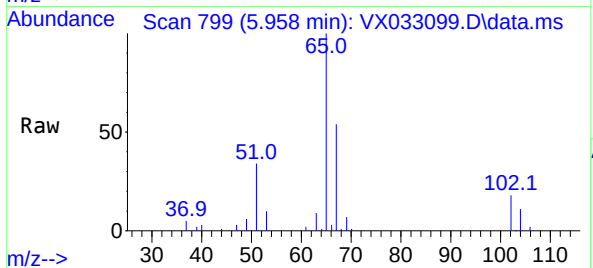




#27
1,2-Dichloroethane-d4
Concen: 28.784 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX033099.D
Acq: 28 Nov 2022 18:56

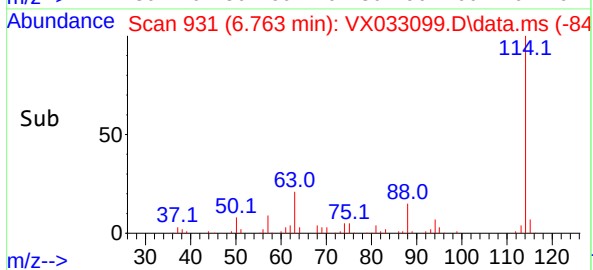
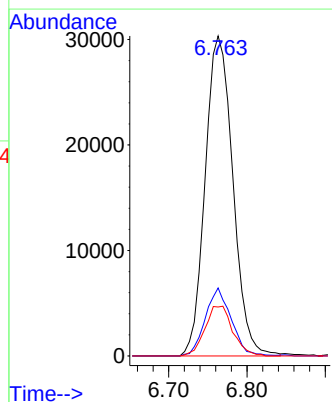
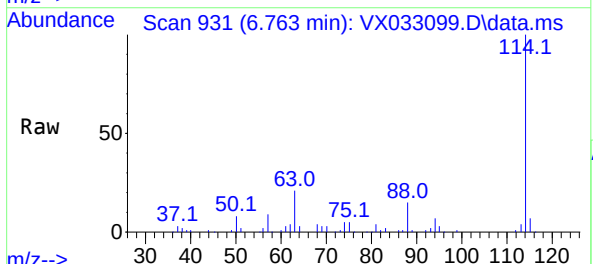
Instrument :
MSVOA_X
ClientSampleId :
IBLK

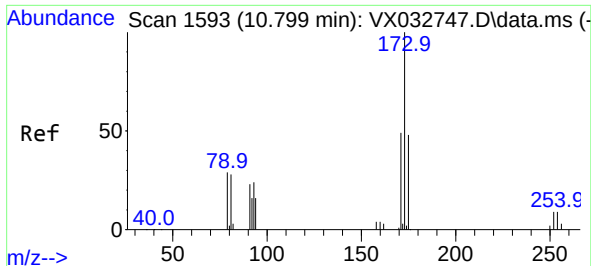
Tgt Ion: 65 Resp: 30001
Ion Ratio Lower Upper
65 100
67 52.2 41.8 62.6



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX033099.D
Acq: 28 Nov 2022 18:56

Tgt Ion: 114 Resp: 74620
Ion Ratio Lower Upper
114 100
63 19.8 13.6 20.4
88 15.6 11.8 17.6

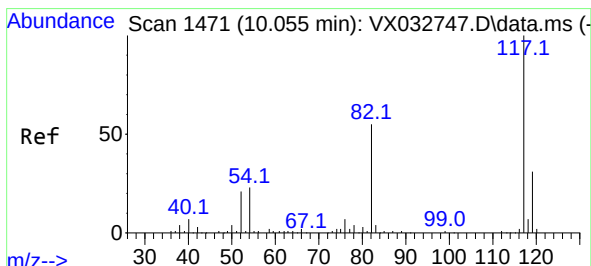
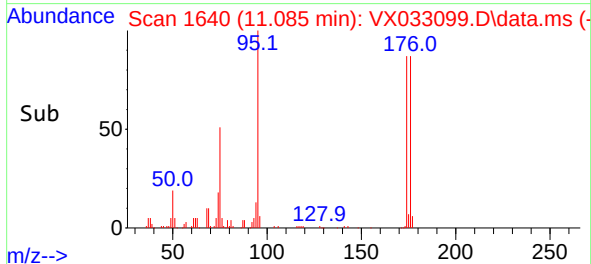
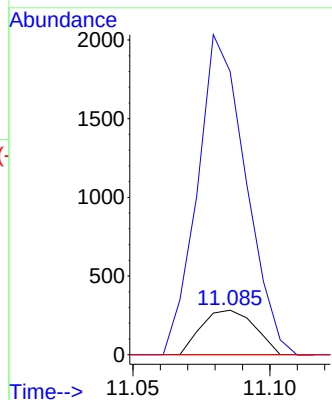
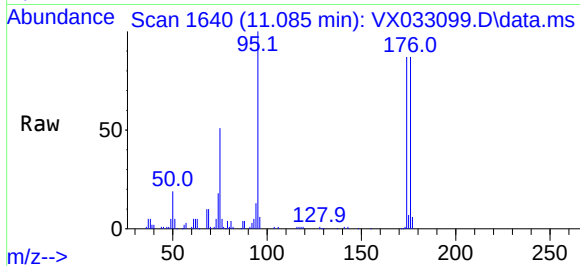




#56
Bromoform
Concen: 0.397 ug/l
RT: 11.085 min Scan# 110
Delta R.T. 0.287 min
Lab File: VX033099.D
Acq: 28 Nov 2022 18:56

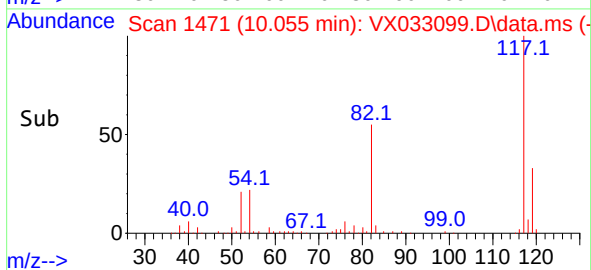
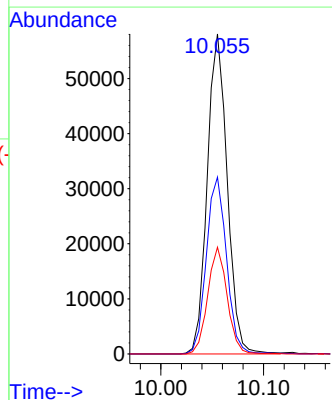
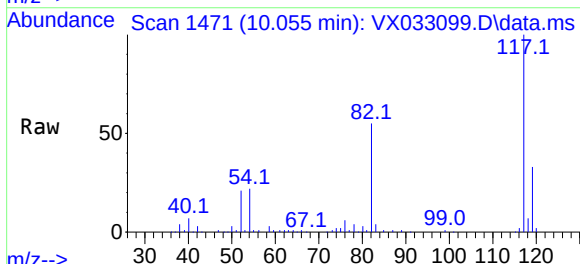
Instrument :
MSVOA_X
ClientSampleId :
IBLK

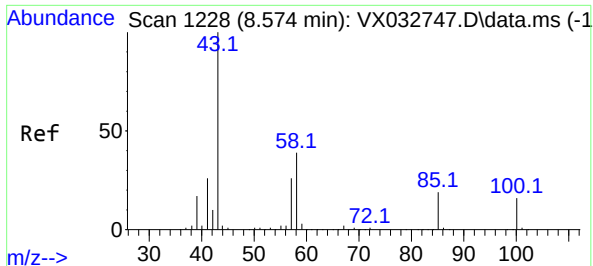
Tgt Ion:173 Resp: 383
Ion Ratio Lower Upper
173 100
175 652.5 38.6 58.0#
254 0.0 6.8 10.2#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX033099.D
Acq: 28 Nov 2022 18:56

Tgt Ion:117 Resp: 78762
Ion Ratio Lower Upper
117 100
82 55.8 40.0 60.0
119 32.4 26.0 39.0





#58

4-Methyl-2-Pentanone

Concen: 0.245 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

Lab File: VX033099.D

Acq: 28 Nov 2022 18:56

Instrument :

MSVOA_X

ClientSampleId :

IBLK

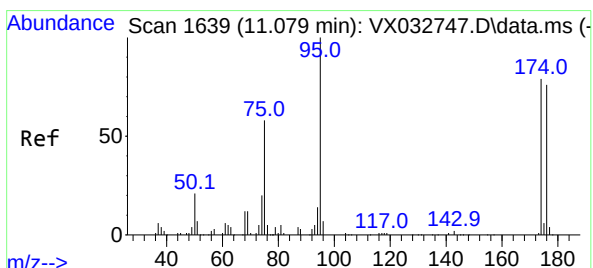
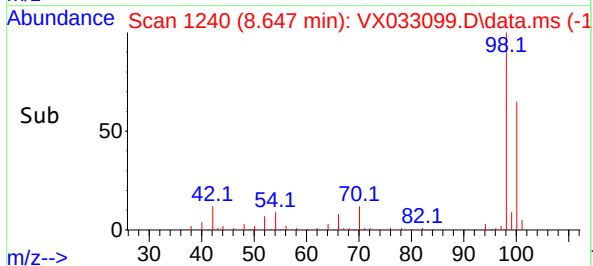
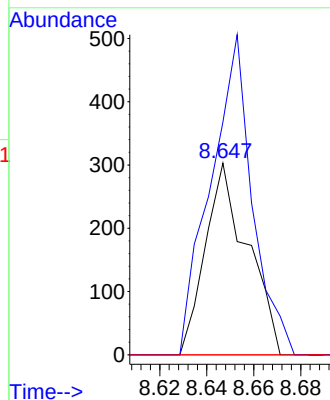
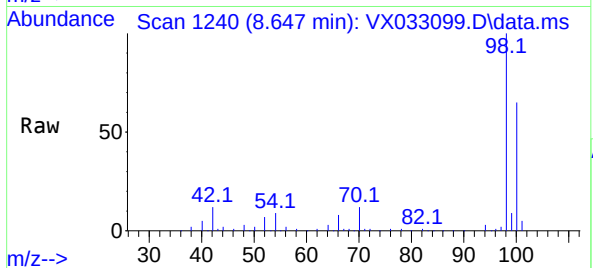
Tgt Ion: 43 Resp: 378

Ion Ratio Lower Upper

43 100

58 164.8 34.9 52.3#

85 0.0 19.4 29.2#



#60

4-Bromofluorobenzene

Concen: 27.434 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX033099.D

Acq: 28 Nov 2022 18:56

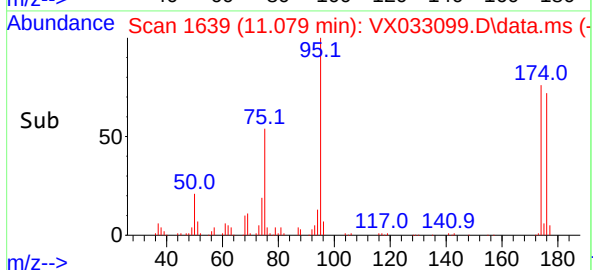
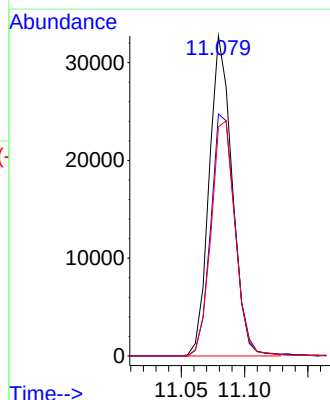
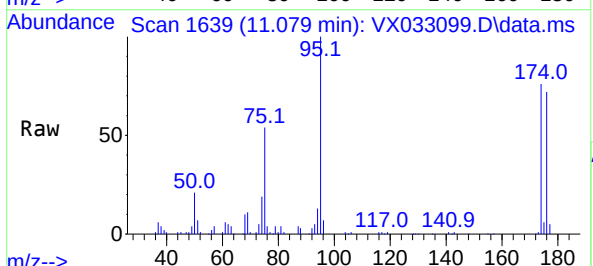
Tgt Ion: 95 Resp: 41333

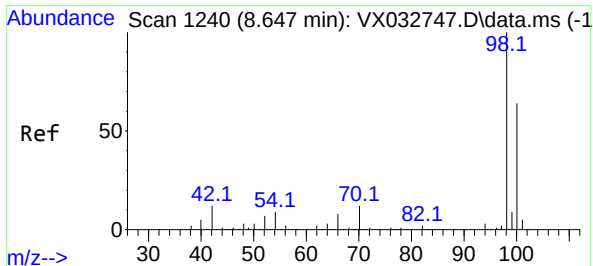
Ion Ratio Lower Upper

95 100

174 80.1 68.2 102.2

176 77.1 68.1 102.1

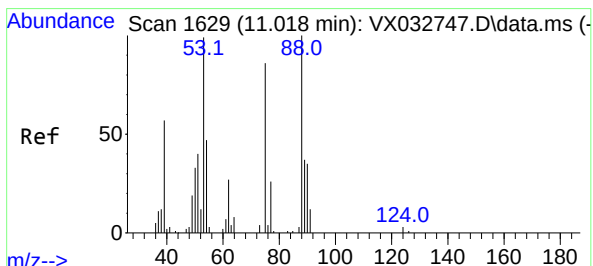
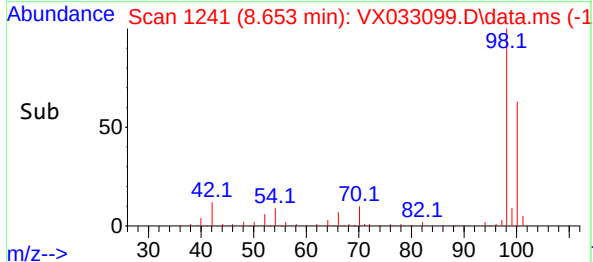
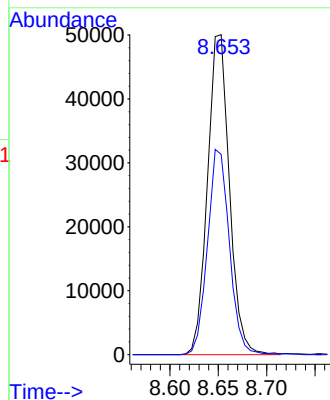
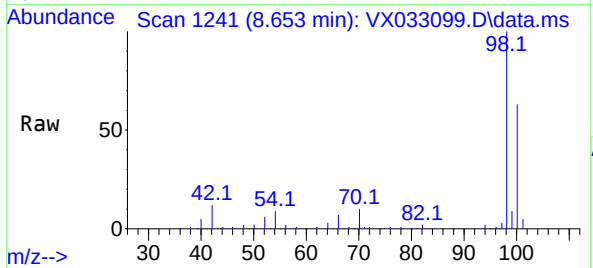




#63
Toluene-d8
Concen: 29.807 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX033099.D
Acq: 28 Nov 2022 18:56

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 98 Resp: 79229
Ion Ratio Lower Upper
98 100
100 63.9 53.8 80.8



#77
t-1,4-Dichloro-2-butene
Concen: 47.322 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX033099.D
Acq: 28 Nov 2022 18:56

Tgt Ion: 75 Resp: 22282
Ion Ratio Lower Upper
75 100
53 0.0 51.8 155.4#
89 0.0 22.9 68.8#

