

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070822\
 Data File : VX029980.D
 Acq On : 08 Jul 2022 18:02
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jul 09 02:20:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X070822W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jul 09 02:10:54 2022
 Response via : Initial Calibration

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

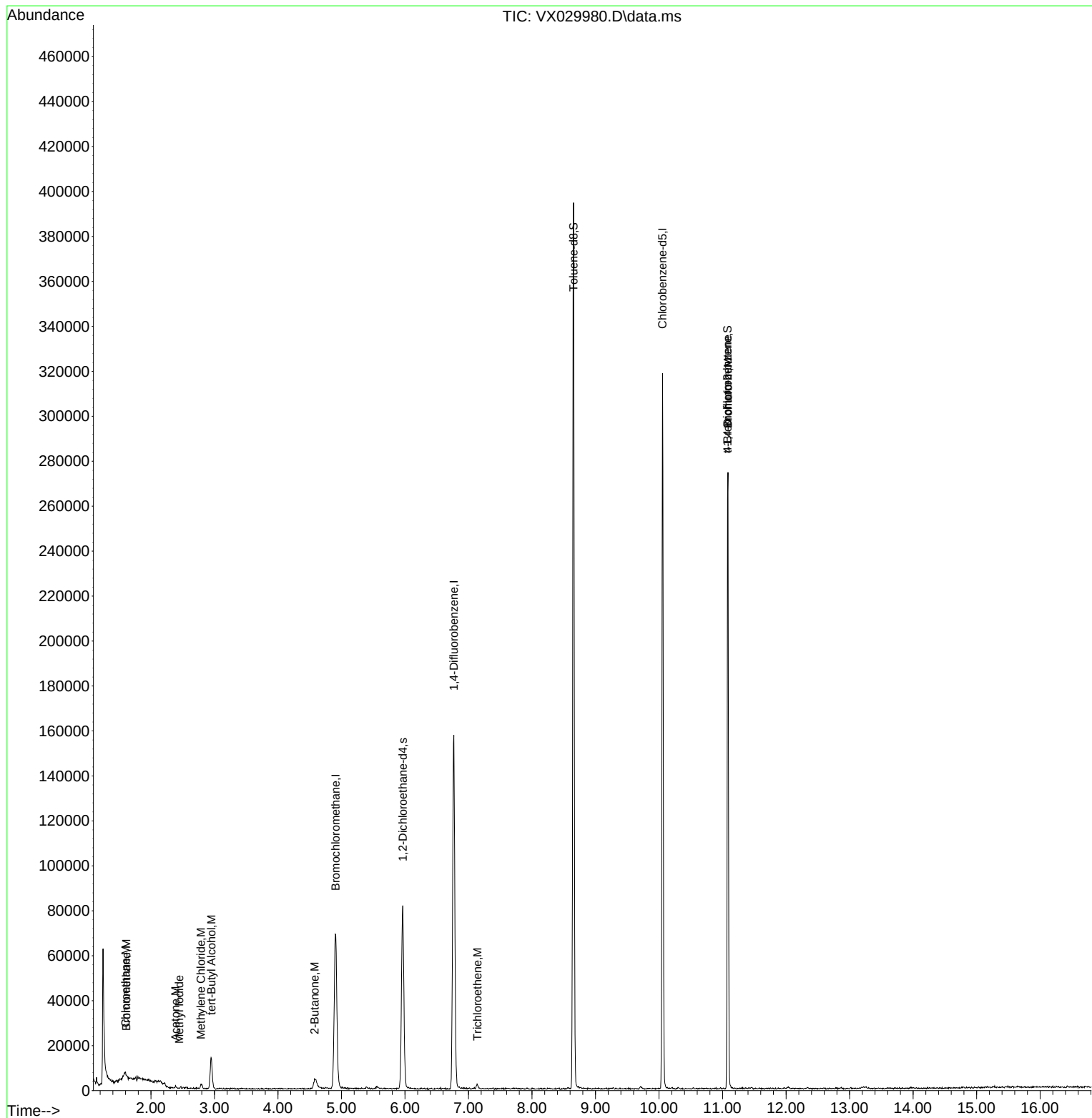
Internal Standards						
1) Bromochloromethane	4.910	128	30894	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	169514	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	147243	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	70249	27.886	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	92.967%
60) 4-Bromofluorobenzene	11.079	95	78999	28.469	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.900%
63) Toluene-d8	8.653	98	239134	29.951	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.833%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	418	0.406	ug/l	82
6) Chloroethane	1.599	64	531	0.397	ug/l	93
11) Methyl Iodide	2.447	142	261	8.997	ug/l #	40
15) Acetone	2.386	58	205	0.495	ug/l #	50
18) Methylene Chloride	2.788	84	509	0.201	ug/l #	84
23) tert-Butyl Alcohol	2.953	59	7758	11.105	ug/l #	100
30) 2-Butanone	4.574	43	465	0.238	ug/l #	54
37) Trichloroethene	7.141	130	852	0.342	ug/l #	50
56) Bromoform	11.085	173	687	0.445	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	36711	32.243	ug/l #	3

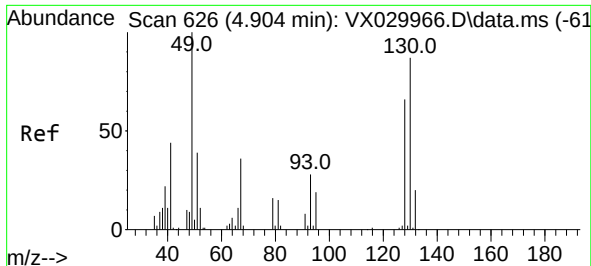
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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IBLK

Quant Time: Jul 09 02:20:48 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X070822W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jul 09 02:10:54 2022
Response via : Initial Calibration

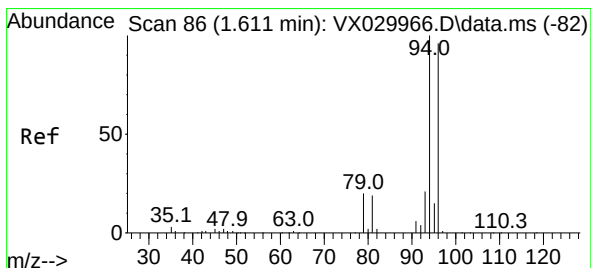
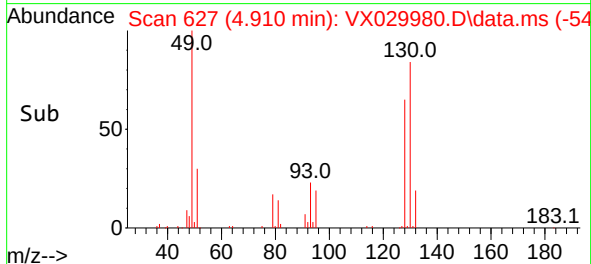
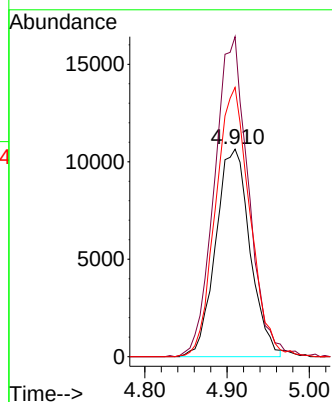
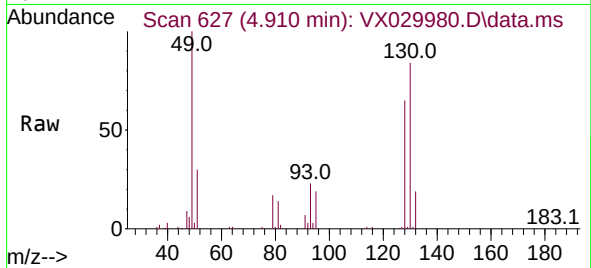




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.910 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX029980.D
Acq: 08 Jul 2022 18:02

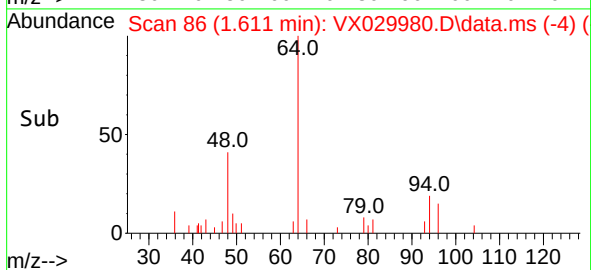
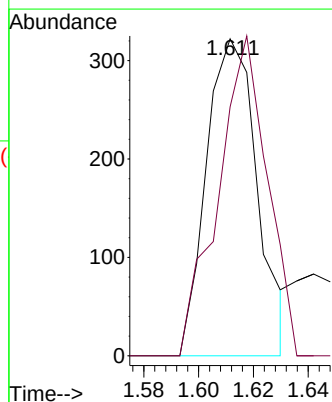
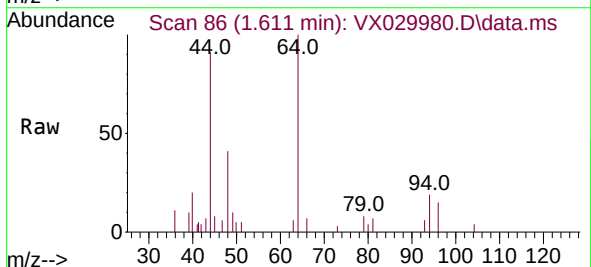
Instrument :
MSVOA_X
ClientSampleId :
IBLK

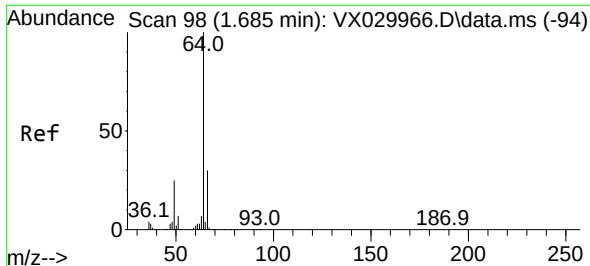
Tgt Ion:128 Resp: 30894
Ion Ratio Lower Upper
128 100
49 152.3 0.0 358.3
130 129.1 0.0 319.3



#5
Bromomethane
Concen: 0.406 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.000 min
Lab File: VX029980.D
Acq: 08 Jul 2022 18:02

Tgt Ion: 94 Resp: 418
Ion Ratio Lower Upper
94 100
96 78.6 77.0 115.6

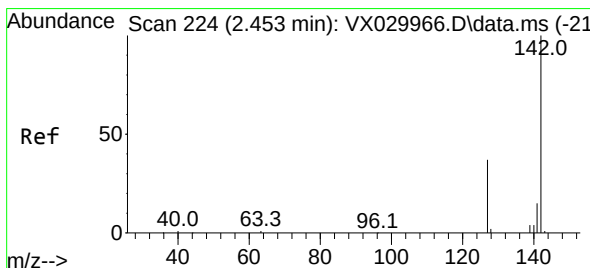
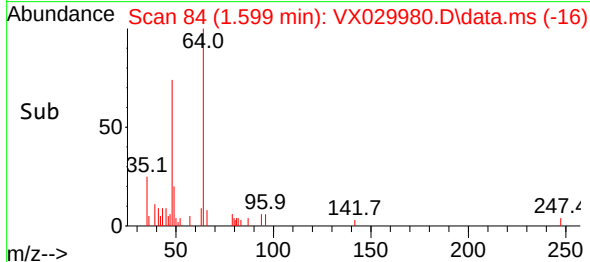
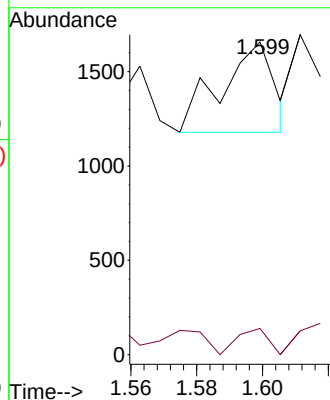
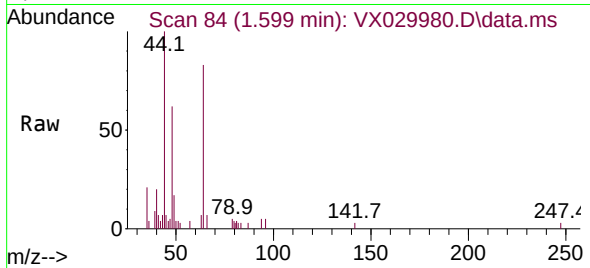




#6
Chloroethane
Concen: 0.397 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.085 min
Lab File: VX029980.D
Acq: 08 Jul 2022 18:02

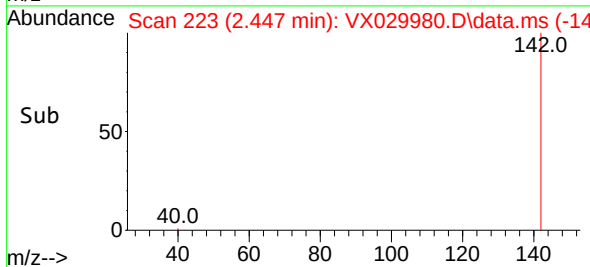
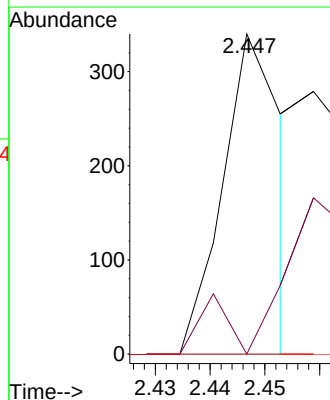
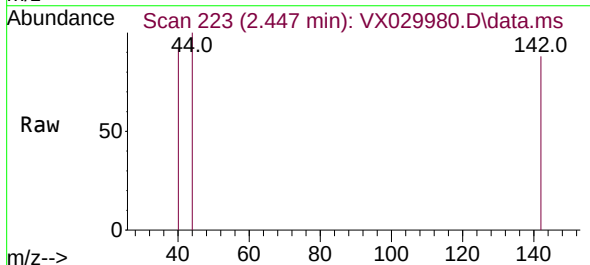
Instrument :
MSVOA_X
ClientSampleId :
IBLK

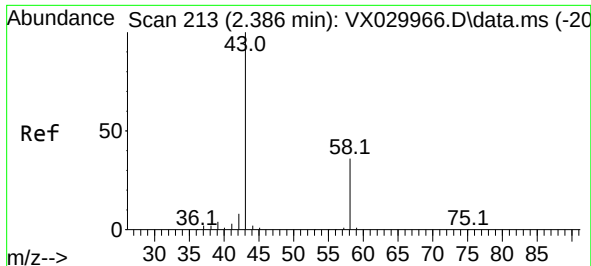
Tgt Ion: 64 Resp: 531
Ion Ratio Lower Upper
64 100
66 29.1 26.4 39.6



#11
Methyl Iodide
Concen: 8.997 ug/l
RT: 2.447 min Scan# 223
Delta R.T. -0.006 min
Lab File: VX029980.D
Acq: 08 Jul 2022 18:02

Tgt Ion: 142 Resp: 261
Ion Ratio Lower Upper
142 100
127 0.0 22.3 66.9#
141 0.0 7.0 20.9#





#15

Acetone

Concen: 0.495 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.000 min

Lab File: VX029980.D

Acq: 08 Jul 2022 18:02

Instrument :

MSVOA_X

ClientSampleId :

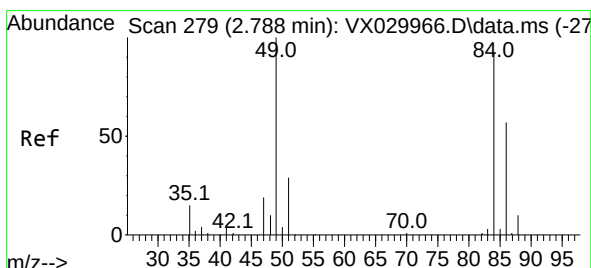
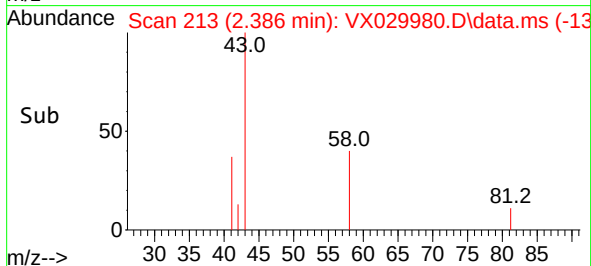
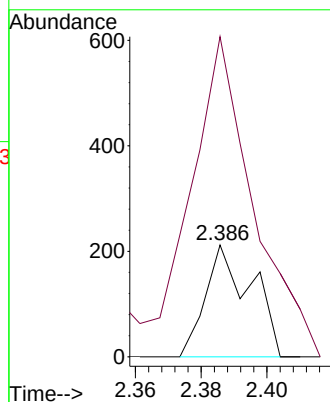
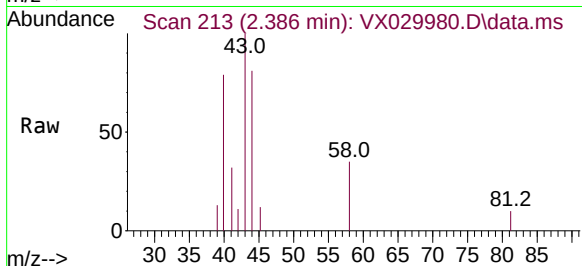
IBLK

Tgt Ion: 58 Resp: 205

Ion Ratio Lower Upper

58 100

43 211.8 250.2 375.2#



#18

Methylene Chloride

Concen: 0.201 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX029980.D

Acq: 08 Jul 2022 18:02

Tgt Ion: 84 Resp: 509

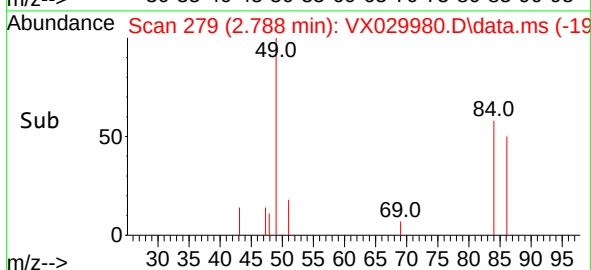
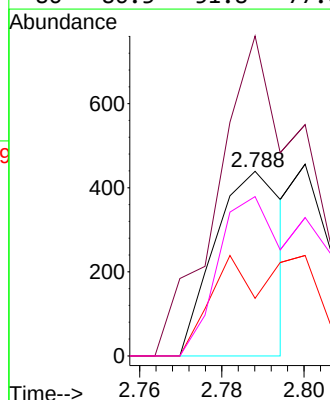
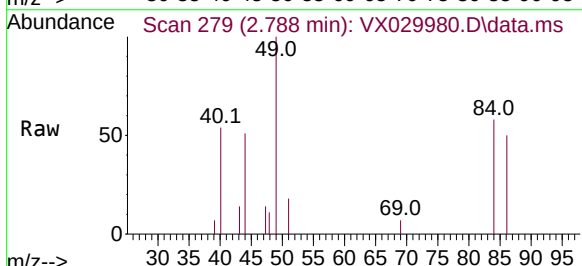
Ion Ratio Lower Upper

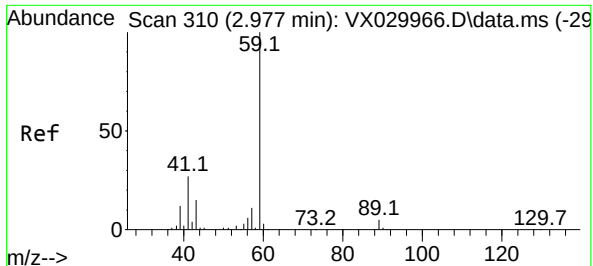
84 100

49 131.4 94.2 141.2

51 31.2 29.2 43.8

86 86.3 51.8 77.6#

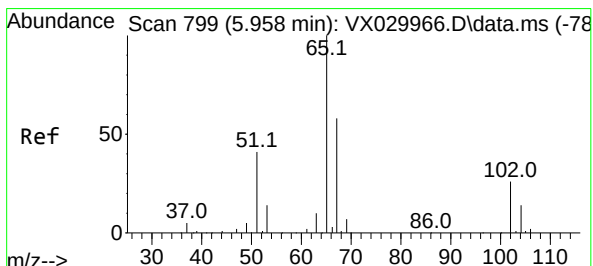
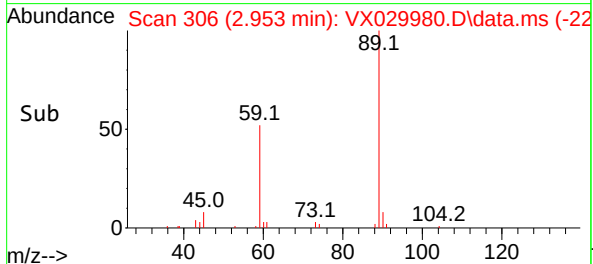
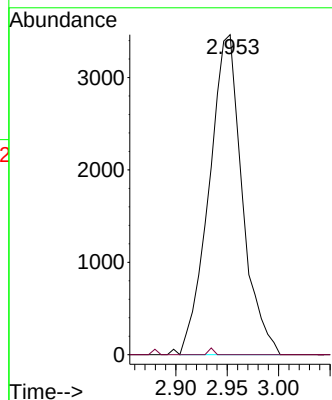
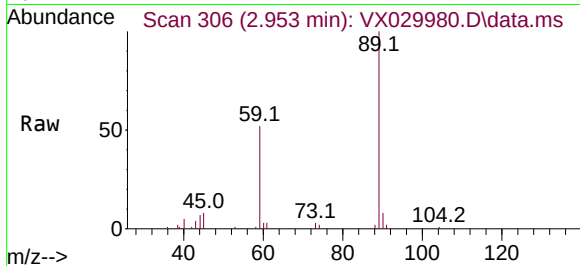




#23
tert-Butyl Alcohol
Concen: 11.105 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX029980.D
Acq: 08 Jul 2022 18:02

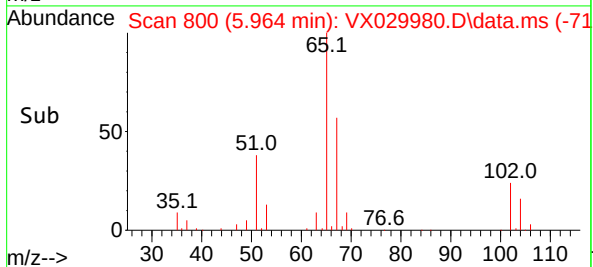
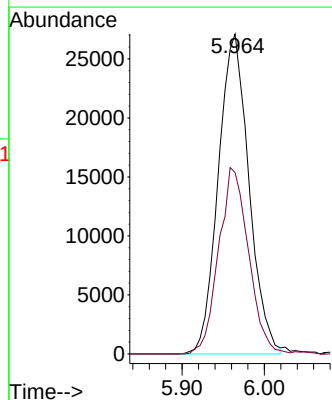
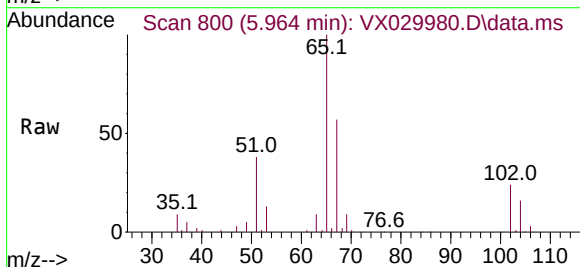
Instrument :
MSVOA_X
ClientSampleId :
IBLK

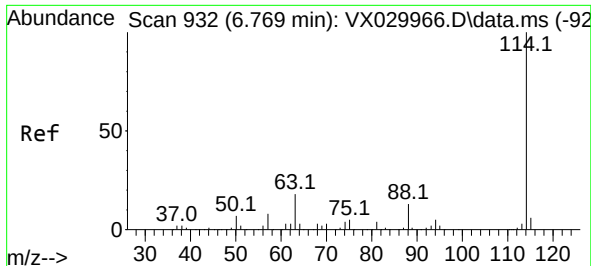
Tgt Ion: 59 Resp: 7758
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 27.886 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.006 min
Lab File: VX029980.D
Acq: 08 Jul 2022 18:02

Tgt Ion: 65 Resp: 70249
Ion Ratio Lower Upper
65 100
67 56.8 42.3 63.5





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX029980.D

Acq: 08 Jul 2022 18:02

Instrument :

MSVOA_X

ClientSampleId :

IBLK

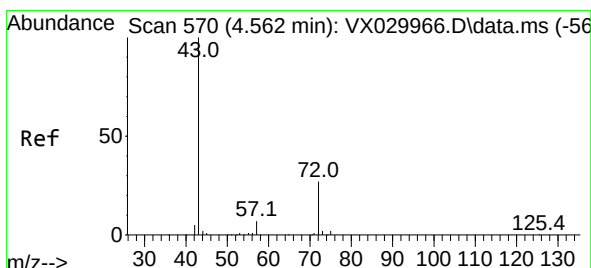
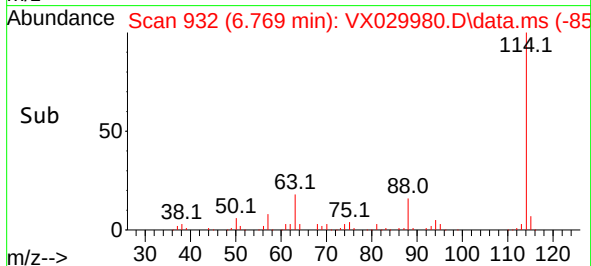
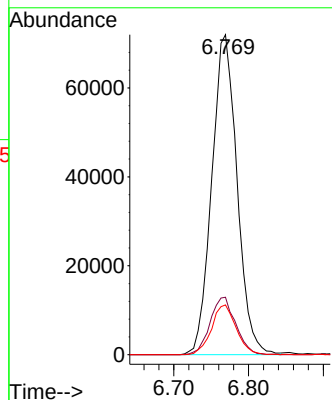
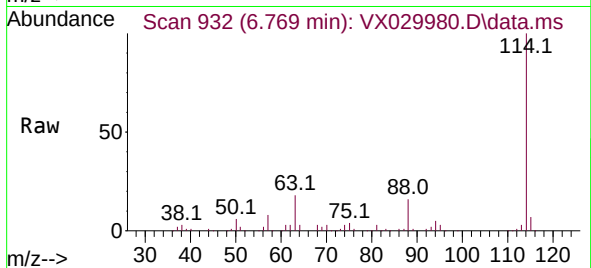
Tgt Ion:114 Resp: 169514

Ion Ratio Lower Upper

114 100

63 18.1 15.3 22.9

88 15.2 12.2 18.4



#30

2-Butanone

Concen: 0.238 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.012 min

Lab File: VX029980.D

Acq: 08 Jul 2022 18:02

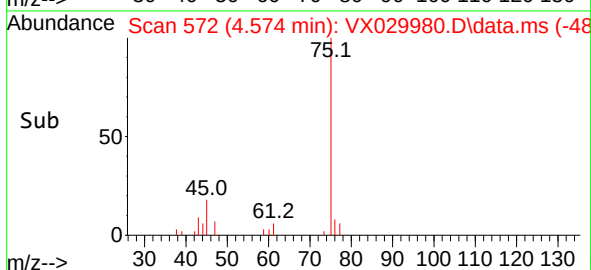
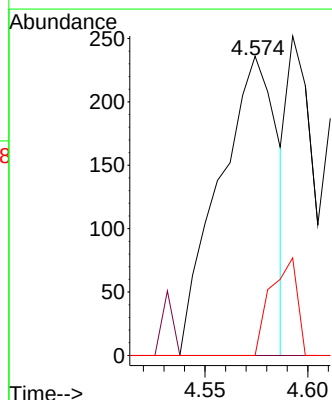
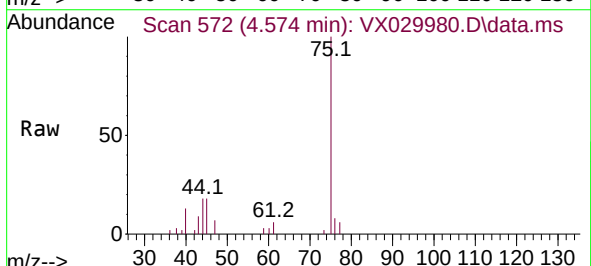
Tgt Ion: 43 Resp: 465

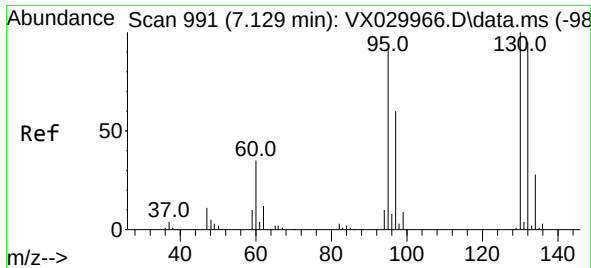
Ion Ratio Lower Upper

43 100

57 0.0 6.6 10.0#

72 0.0 22.1 33.1#





#37

Trichloroethene

Concen: 0.342 ug/l

RT: 7.141 min Scan# 991

Delta R.T. 0.012 min

Lab File: VX029980.D

Acq: 08 Jul 2022 18:02

Instrument :

MSVOA_X

ClientSampleId :

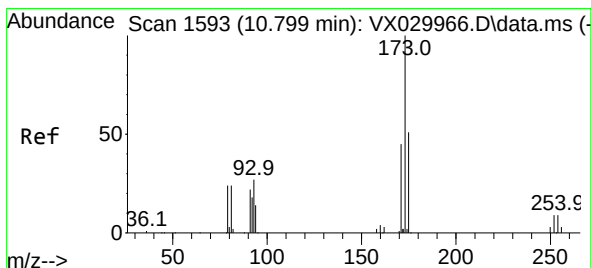
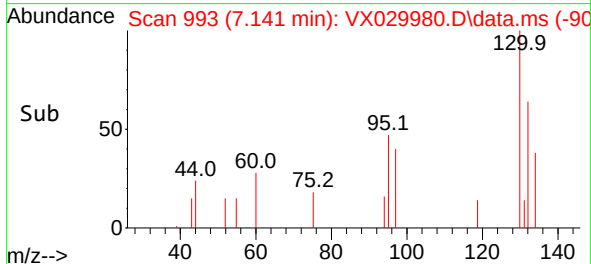
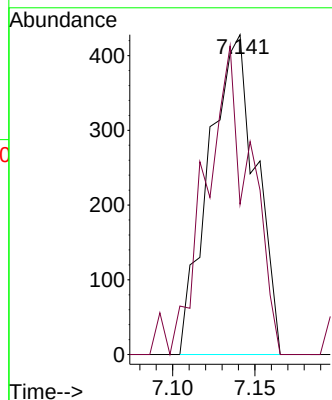
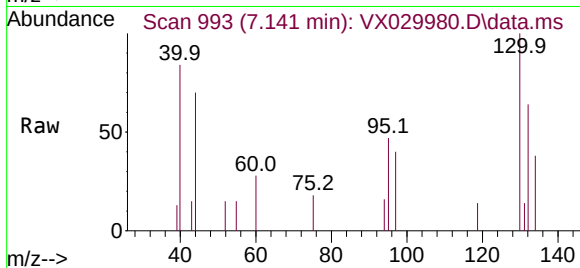
IBLK

Tgt Ion:130 Resp: 852

Ion Ratio Lower Upper

130 100

95 47.0 76.5 114.7#



#56

Bromoform

Concen: 0.445 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.287 min

Lab File: VX029980.D

Acq: 08 Jul 2022 18:02

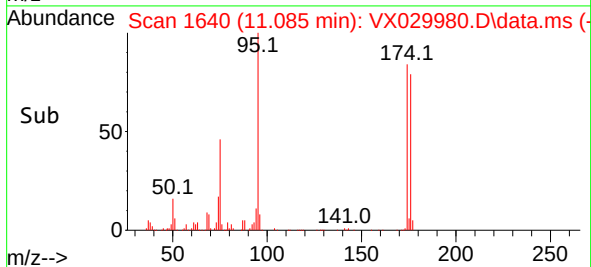
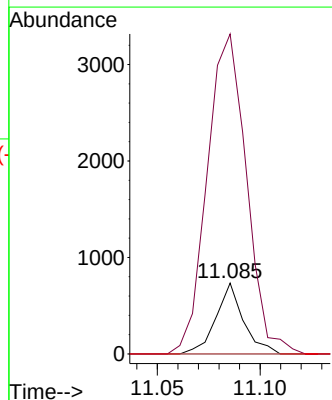
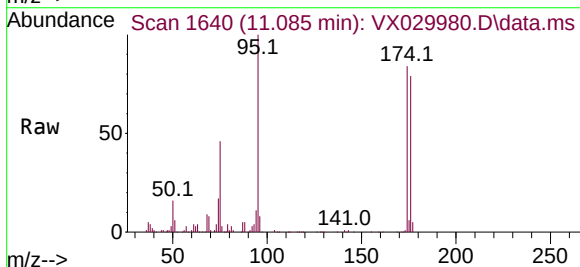
Tgt Ion:173 Resp: 687

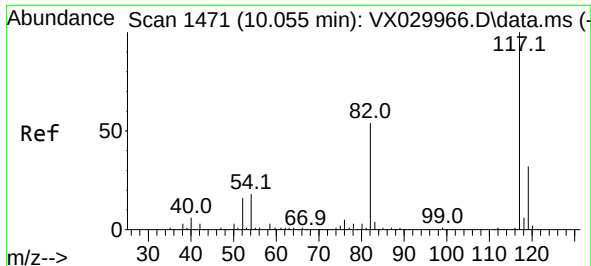
Ion Ratio Lower Upper

173 100

175 639.9 40.3 60.5#

254 0.0 7.4 11.2#

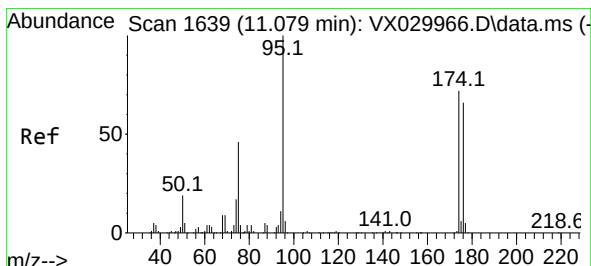
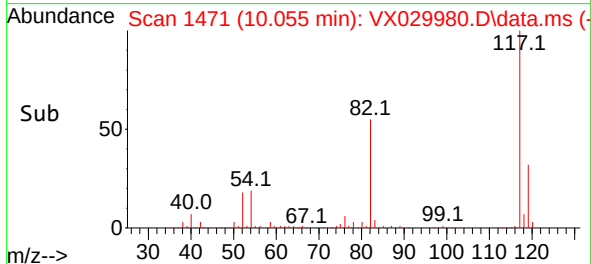
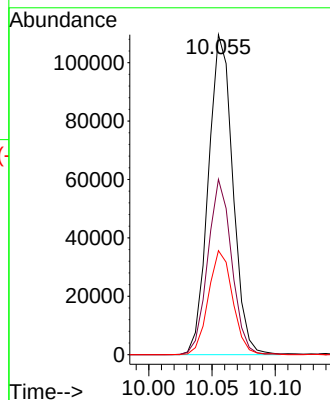
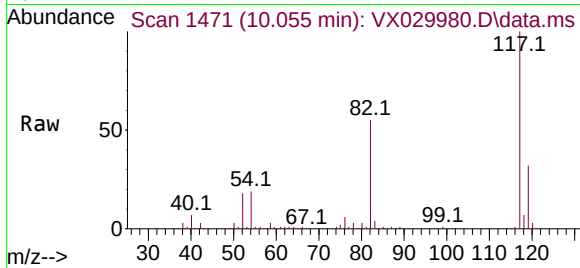




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029980.D
Acq: 08 Jul 2022 18:02

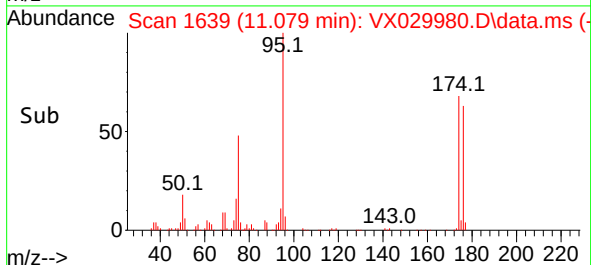
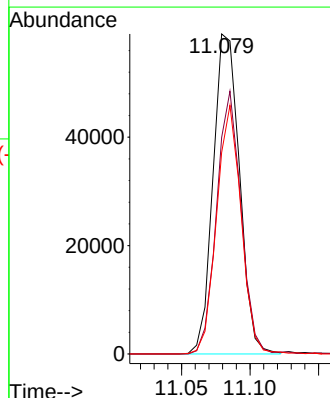
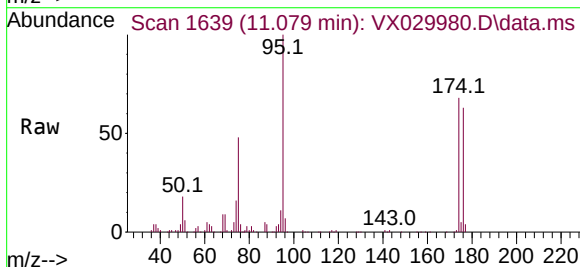
Instrument :
MSVOA_X
ClientSampleId :
IBLK

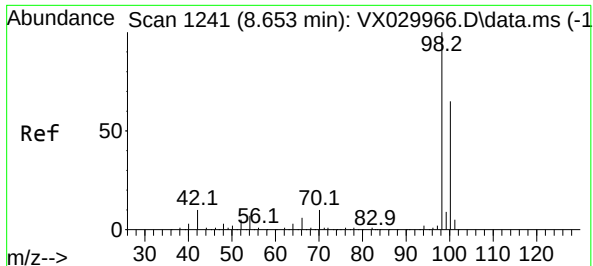
Tgt Ion:117 Resp: 147243
Ion Ratio Lower Upper
117 100
82 53.6 42.3 63.5
119 32.4 26.2 39.2



#60
4-Bromofluorobenzene
Concen: 28.469 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX029980.D
Acq: 08 Jul 2022 18:02

Tgt Ion: 95 Resp: 78999
Ion Ratio Lower Upper
95 100
174 75.9 65.4 98.2
176 72.1 63.4 95.0

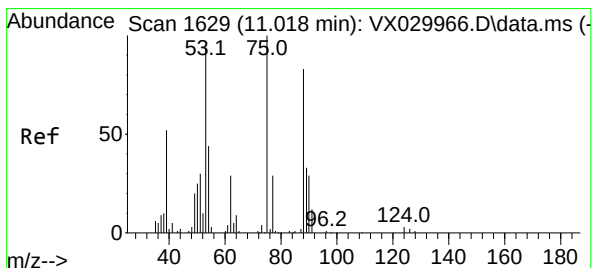
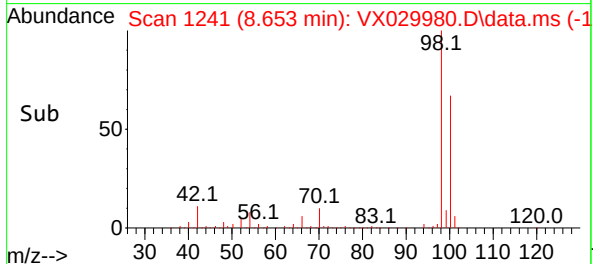
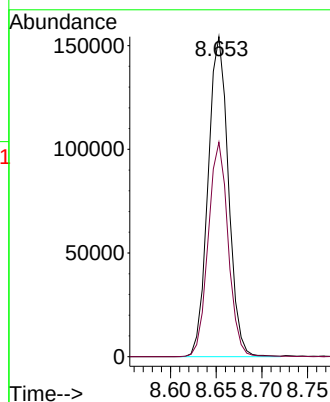
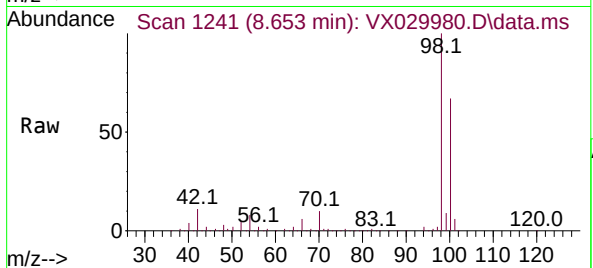




#63
Toluene-d8
Concen: 29.951 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX029980.D
Acq: 08 Jul 2022 18:02

Instrument :
MSVOA_X
ClientSampleId :
IBLK

Tgt Ion: 98 Resp: 239134
Ion Ratio Lower Upper
98 100
100 65.8 51.4 77.2



#77
t-1,4-Dichloro-2-butene
Concen: 32.243 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029980.D
Acq: 08 Jul 2022 18:02

Tgt Ion: 75 Resp: 36711
Ion Ratio Lower Upper
75 100
53 0.0 59.7 179.1#
89 0.0 23.1 69.2#

