

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070822\
 Data File : VX029979.D
 Acq On : 08 Jul 2022 17:39
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Jul 09 02:20:30 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)

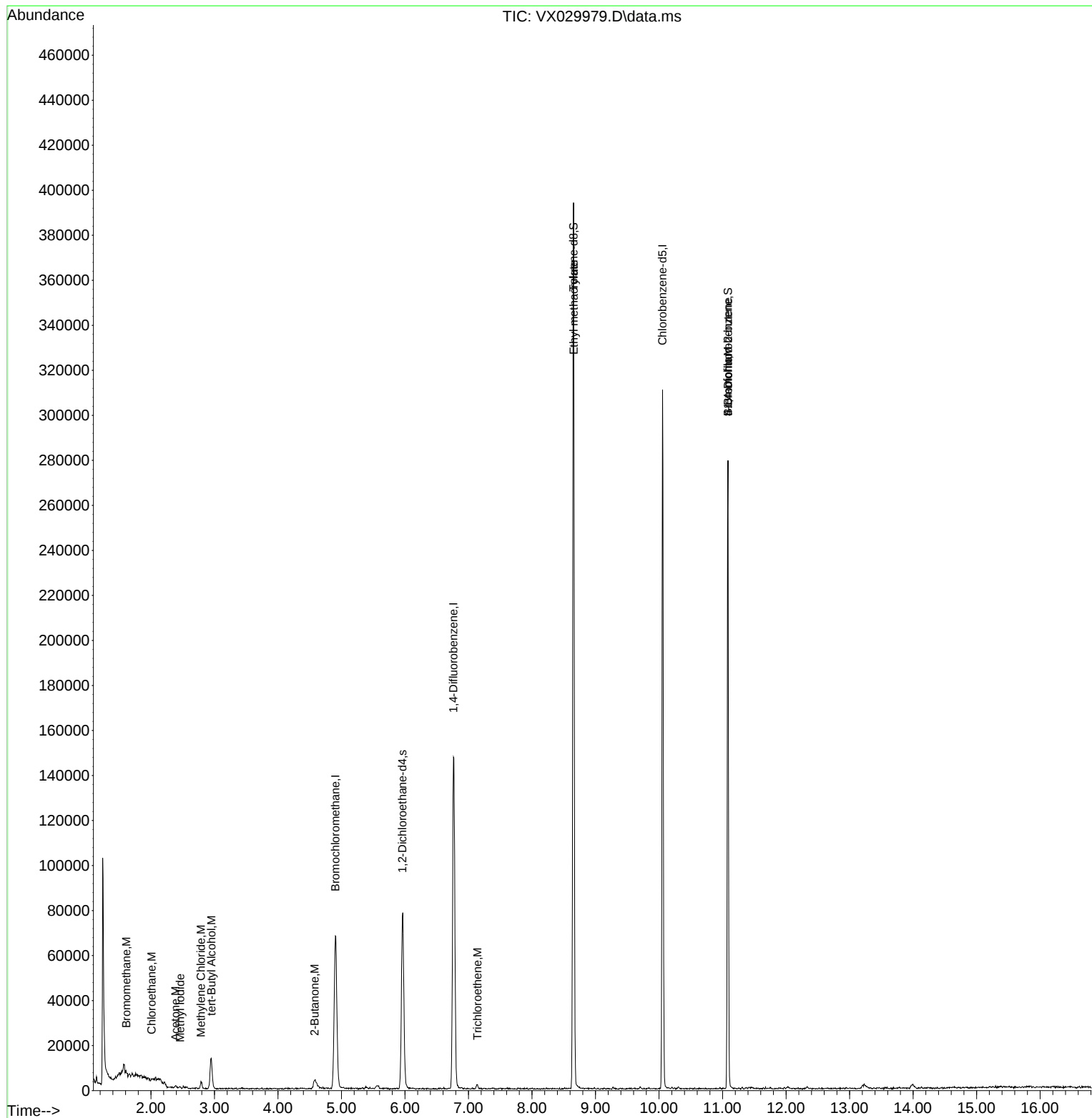
Internal Standards						
1) Bromochloromethane	4.904	128	30340	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	165791	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	145849	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	69678	28.164	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	93.867%
60) 4-Bromofluorobenzene	11.085	95	77153	28.070	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.567%
63) Toluene-d8	8.653	98	236112	29.855	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.533%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	410	0.406	ug/l #	79
6) Chloroethane	2.008	64	268	0.204	ug/l	91
11) Methyl Iodide	2.459	142	736	9.181	ug/l	93
15) Acetone	2.386	58	430	1.057	ug/l #	1
18) Methylene Chloride	2.788	84	1389	0.558	ug/l #	82
23) tert-Butyl Alcohol	2.953	59	8397	12.239	ug/l #	100
30) 2-Butanone	4.574	43	443	0.231	ug/l #	54
37) Trichloroethene	7.141	130	489	0.201	ug/l	95
51) Ethyl methacrylate	8.659	69	763	0.210	ug/l #	58
56) Bromoform	11.085	173	757	0.501	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.085	75	34646	30.720	ug/l #	3

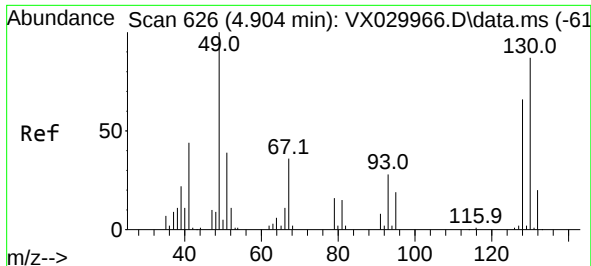
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070822\
Data File : VX029979.D
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MSVOA_X
ClientSampleId :
IBLK

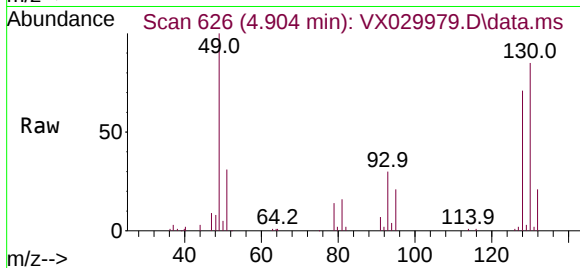
Quant Time: Jul 09 02:20:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X070822W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jul 09 02:10:54 2022
Response via : Initial Calibration



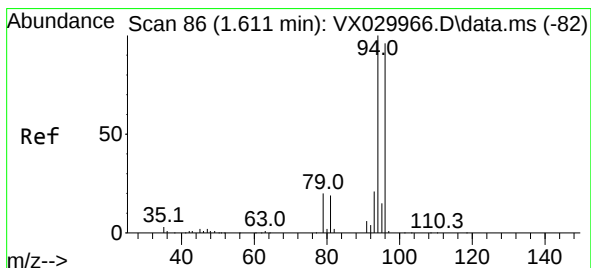
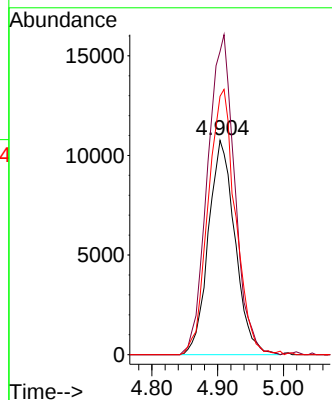
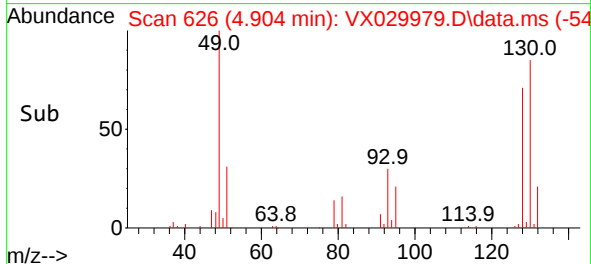


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. -0.000 min
Lab File: VX029979.D
Acq: 08 Jul 2022 17:39

Instrument :
MSVOA_X
ClientSampleId :
IBLK

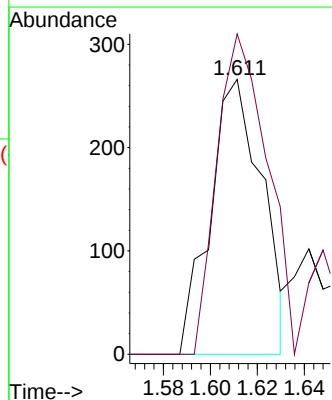
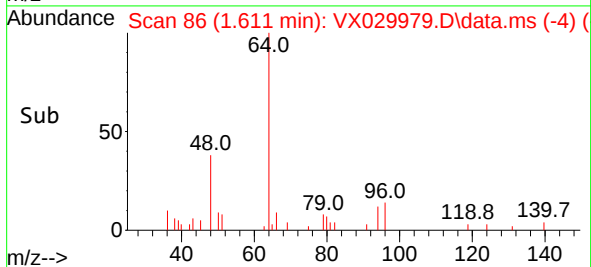
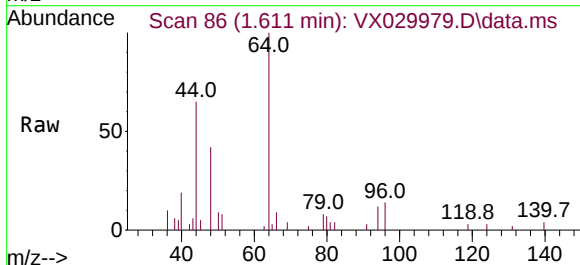


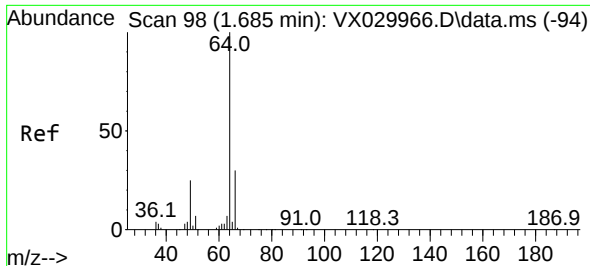
Tgt Ion:128 Resp: 30340
Ion Ratio Lower Upper
128 100
49 152.5 0.0 358.3
130 127.1 0.0 319.3



#5
Bromomethane
Concen: 0.406 ug/l
RT: 1.611 min Scan# 86
Delta R.T. -0.000 min
Lab File: VX029979.D
Acq: 08 Jul 2022 17:39

Tgt Ion: 94 Resp: 410
Ion Ratio Lower Upper
94 100
96 116.5 77.0 115.6#

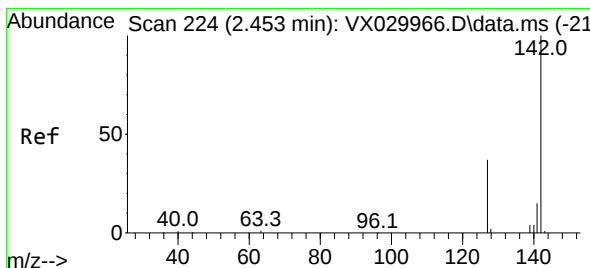
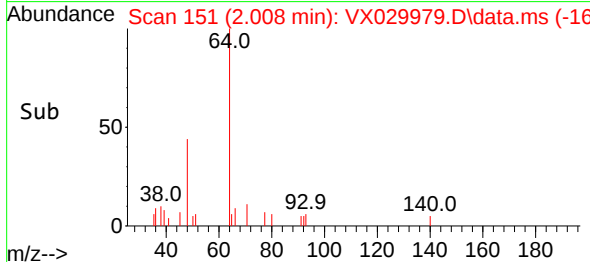
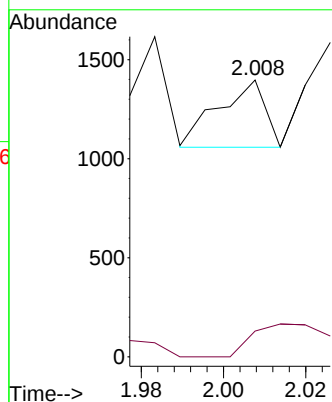
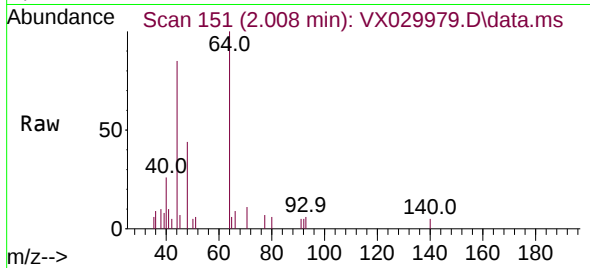




#6
Chloroethane
Concen: 0.204 ug/l
RT: 2.008 min Scan# 11
Delta R.T. 0.323 min
Lab File: VX029979.D
Acq: 08 Jul 2022 17:39

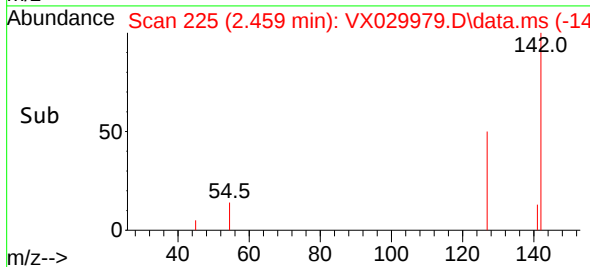
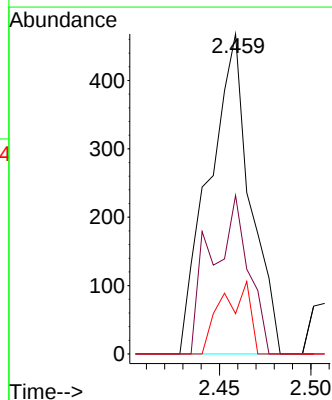
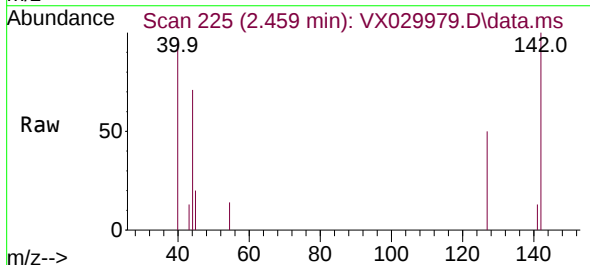
Instrument :
MSVOA_X
ClientSampleId :
IBLK

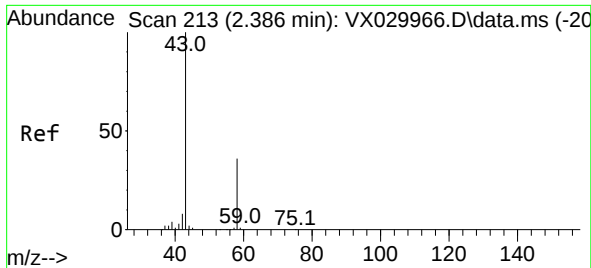
Tgt Ion: 64 Resp: 268
Ion Ratio Lower Upper
64 100
66 38.3 26.4 39.6



#11
Methyl Iodide
Concen: 9.181 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX029979.D
Acq: 08 Jul 2022 17:39

Tgt Ion: 142 Resp: 736
Ion Ratio Lower Upper
142 100
127 49.6 22.3 66.9
141 12.6 7.0 20.9





#15

Acetone

Concen: 1.057 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX029979.D

Acq: 08 Jul 2022 17:39

Instrument :

MSVOA_X

ClientSampleId :

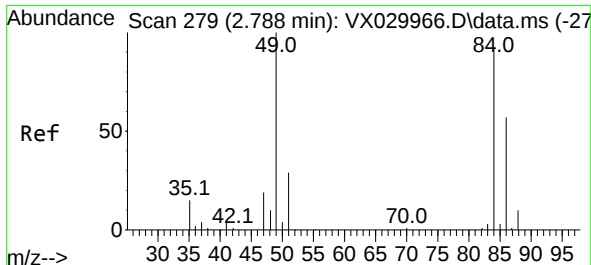
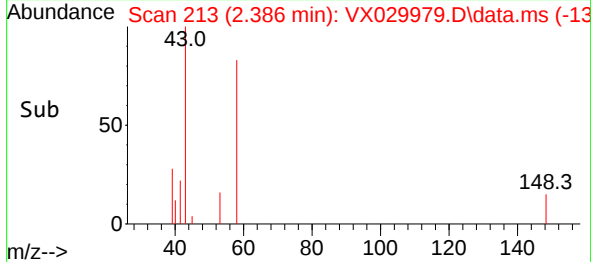
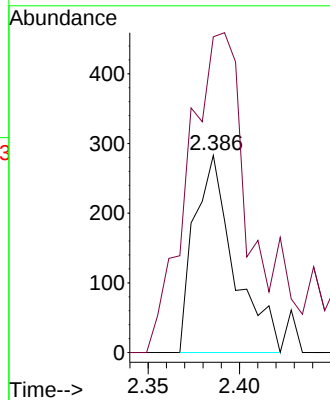
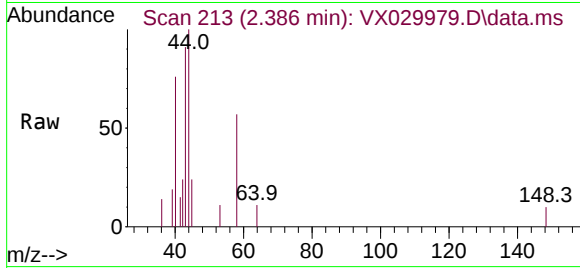
IBLK

Tgt Ion: 58 Resp: 430

Ion Ratio Lower Upper

58 100

43 111.0 250.2 375.2#



#18

Methylene Chloride

Concen: 0.558 ug/l

RT: 2.788 min Scan# 279

Delta R.T. -0.000 min

Lab File: VX029979.D

Acq: 08 Jul 2022 17:39

Tgt Ion: 84 Resp: 1389

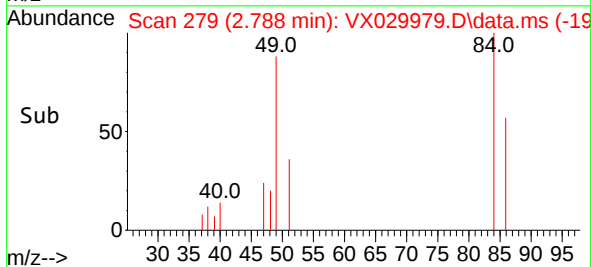
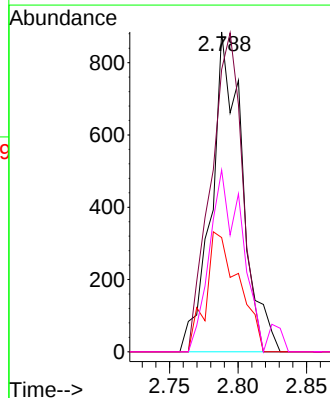
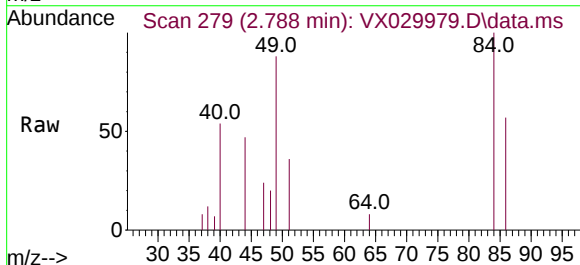
Ion Ratio Lower Upper

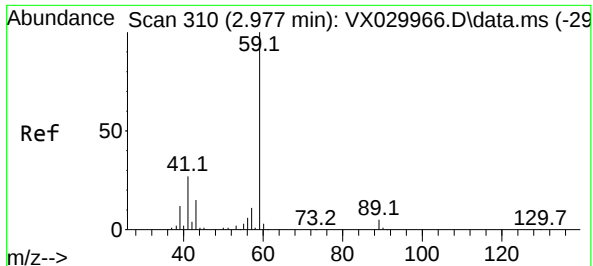
84 100

49 88.2 94.2 141.2#

51 35.7 29.2 43.8

86 56.8 51.8 77.6

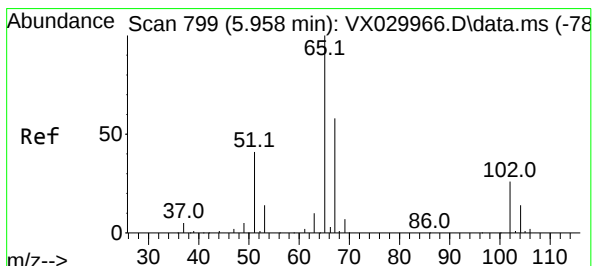
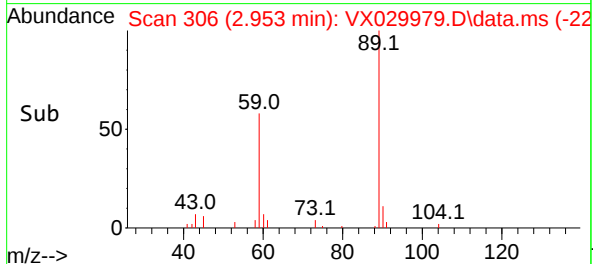
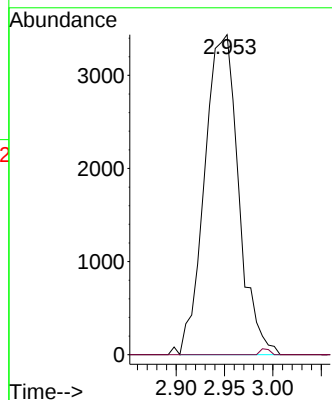
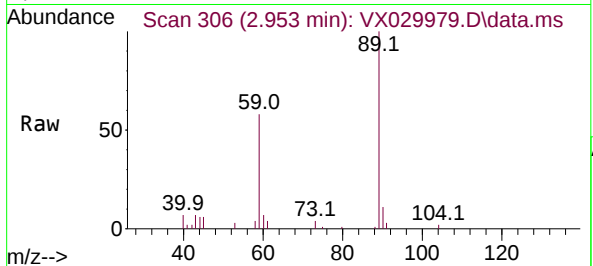




#23
tert-Butyl Alcohol
Concen: 12.239 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.024 min
Lab File: VX029979.D
Acq: 08 Jul 2022 17:39

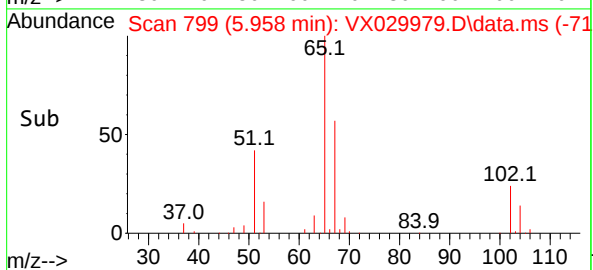
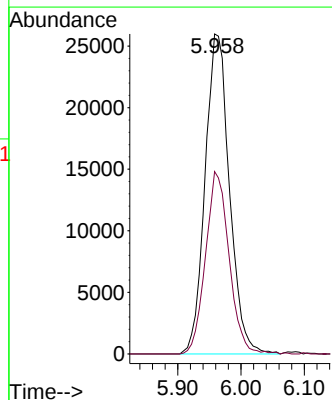
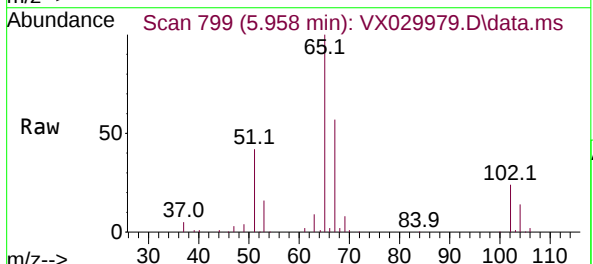
Instrument :
MSVOA_X
ClientSampleId :
IBLK

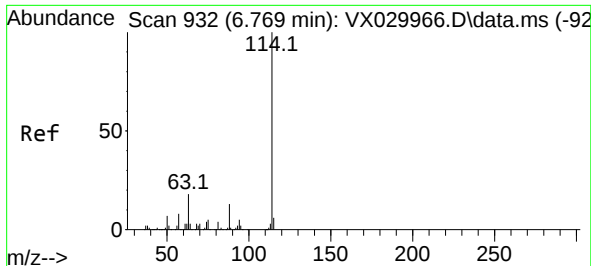
Tgt Ion: 59 Resp: 8397
Ion Ratio Lower Upper
59 100
52 0.5 0.0 0.0#



#27
1,2-Dichloroethane-d4
Concen: 28.164 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.000 min
Lab File: VX029979.D
Acq: 08 Jul 2022 17:39

Tgt Ion: 65 Resp: 69678
Ion Ratio Lower Upper
65 100
67 55.0 42.3 63.5





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX029979.D

Acq: 08 Jul 2022 17:39

Instrument :

MSVOA_X

ClientSampleId :

IBLK

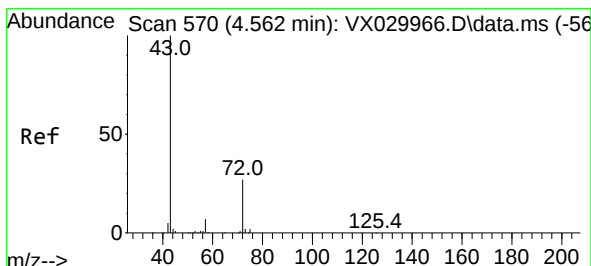
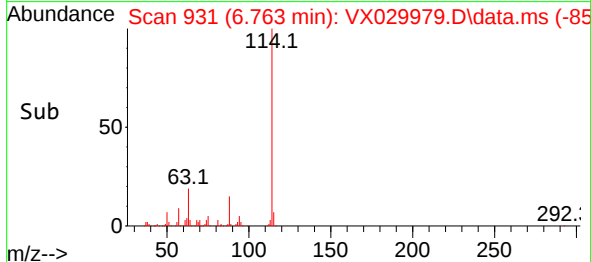
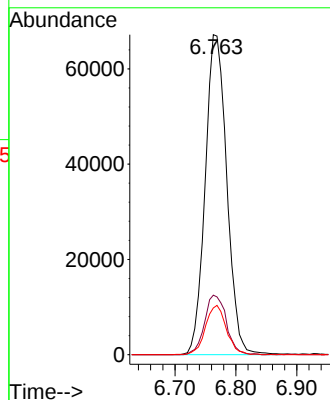
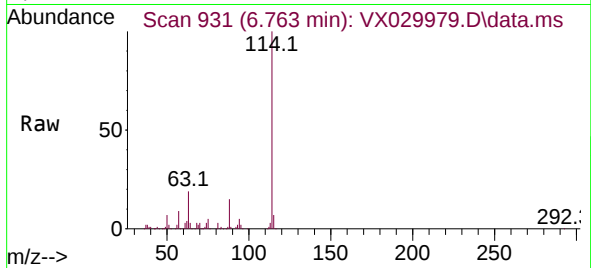
Tgt Ion:114 Resp: 165791

Ion Ratio Lower Upper

114 100

63 18.6 15.3 22.9

88 14.8 12.2 18.4



#30

2-Butanone

Concen: 0.231 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.012 min

Lab File: VX029979.D

Acq: 08 Jul 2022 17:39

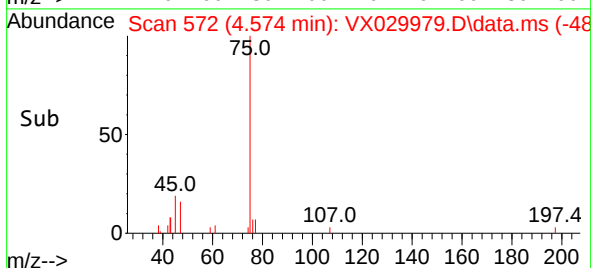
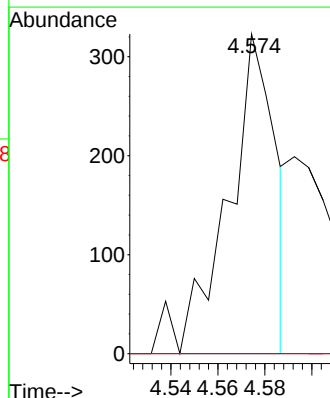
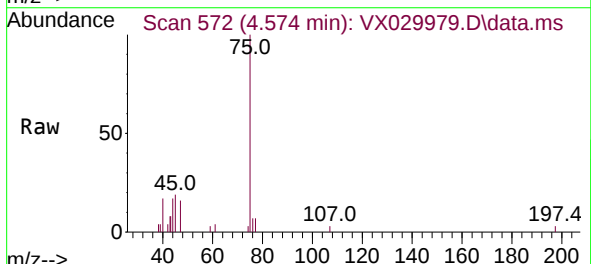
Tgt Ion: 43 Resp: 443

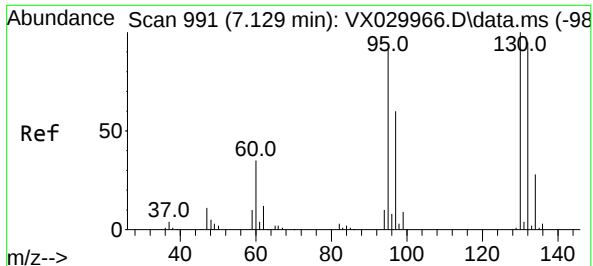
Ion Ratio Lower Upper

43 100

57 0.0 6.6 10.0#

72 0.0 22.1 33.1#





#37

Trichloroethene

Concen: 0.201 ug/l

RT: 7.141 min Scan# 991

Delta R.T. 0.012 min

Lab File: VX029979.D

Acq: 08 Jul 2022 17:39

Instrument :

MSVOA_X

ClientSampleId :

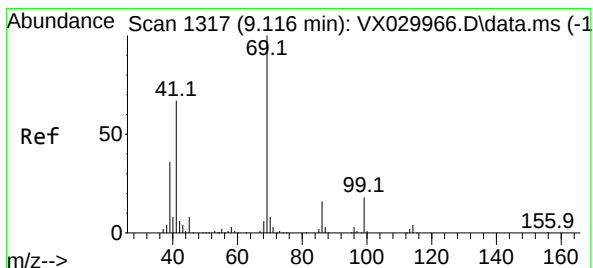
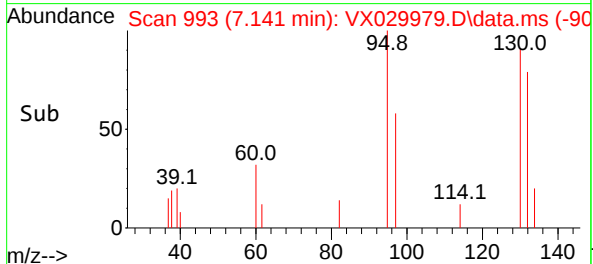
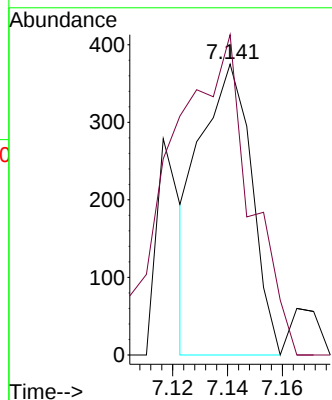
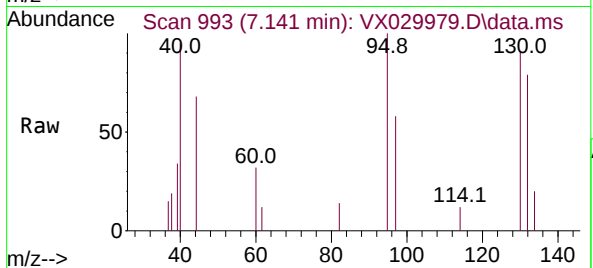
IBLK

Tgt Ion:130 Resp: 489

Ion Ratio Lower Upper

130 100

95 91.2 76.5 114.7



#51

Ethyl methacrylate

Concen: 0.210 ug/l

RT: 8.659 min Scan# 1242

Delta R.T. -0.457 min

Lab File: VX029979.D

Acq: 08 Jul 2022 17:39

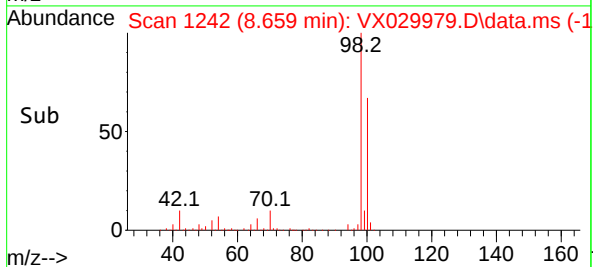
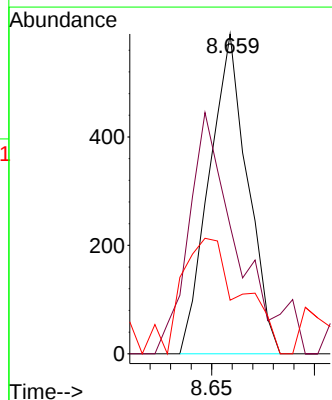
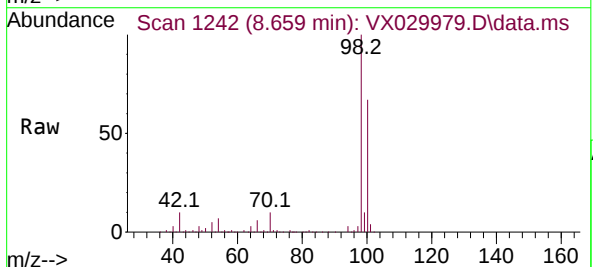
Tgt Ion: 69 Resp: 763

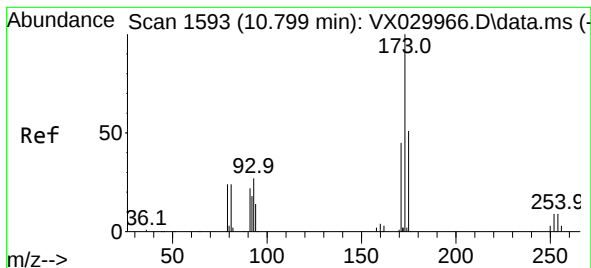
Ion Ratio Lower Upper

69 100

41 27.6 32.1 96.5#

39 16.8 18.3 54.9#





#56

Bromoform

Concen: 0.501 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.287 min

Lab File: VX029979.D

Acq: 08 Jul 2022 17:39

Instrument :

MSVOA_X

ClientSampleId :

IBLK

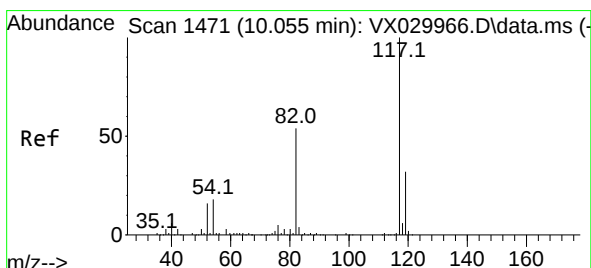
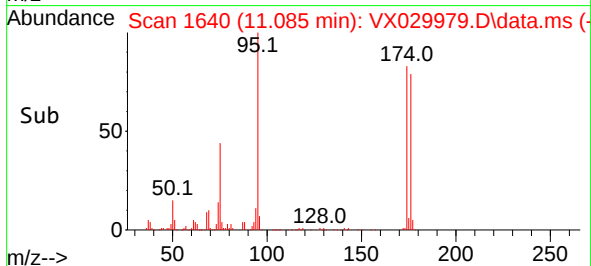
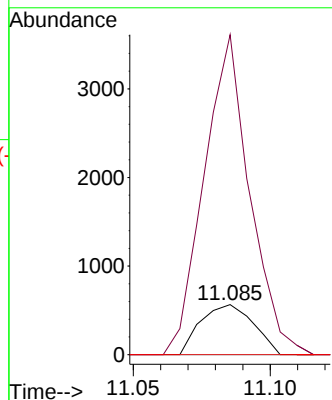
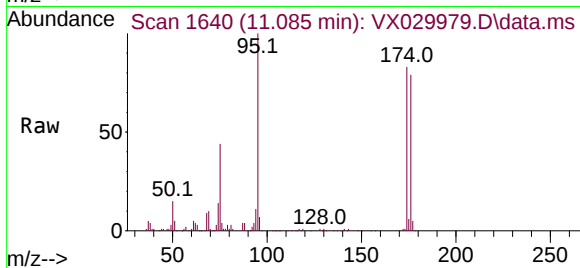
Tgt Ion:173 Resp: 757

Ion Ratio Lower Upper

173 100

175 553.4 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: VX029979.D

Acq: 08 Jul 2022 17:39

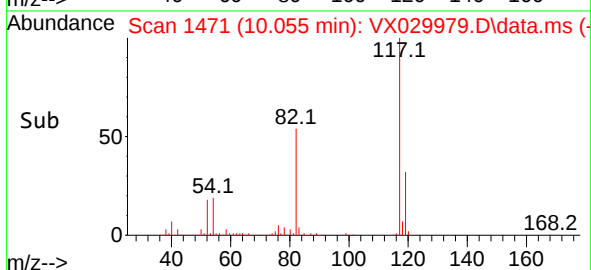
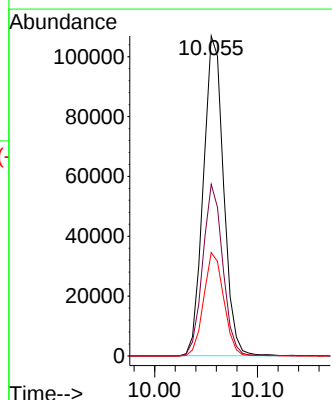
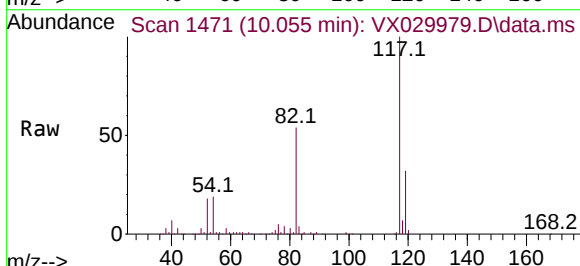
Tgt Ion:117 Resp: 145849

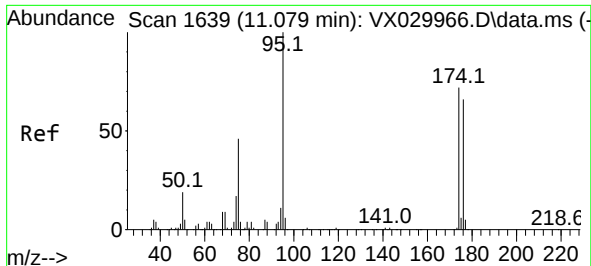
Ion Ratio Lower Upper

117 100

82 53.2 42.3 63.5

119 32.2 26.2 39.2

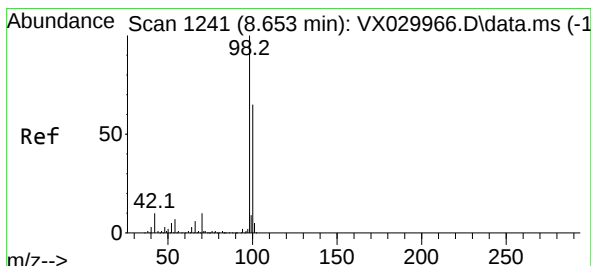
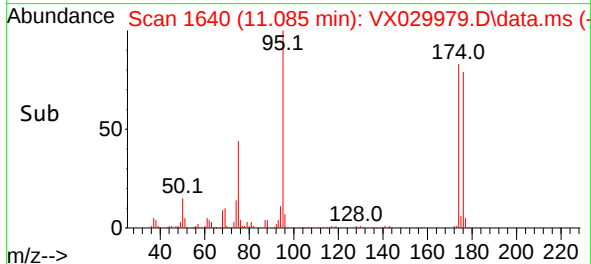
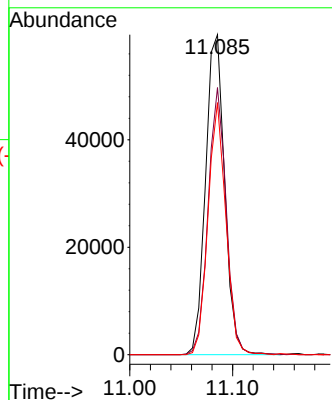
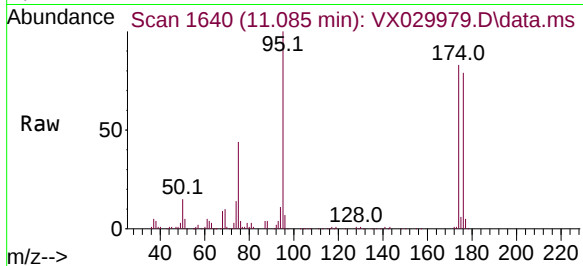




#60
4-Bromofluorobenzene
Concen: 28.070 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX029979.D
Acq: 08 Jul 2022 17:39

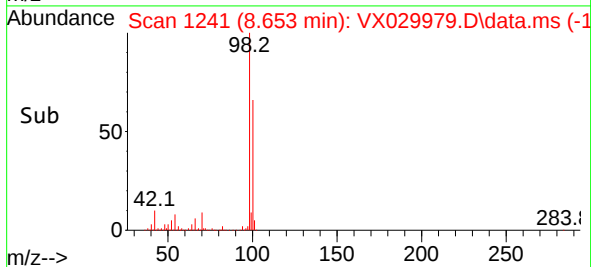
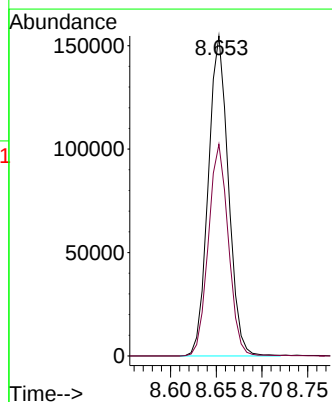
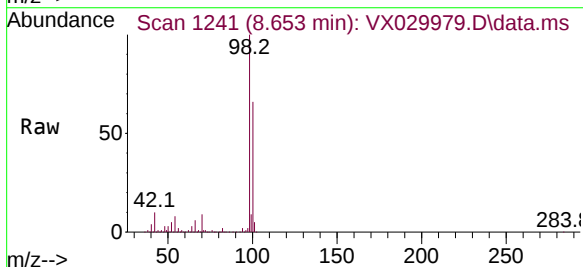
Instrument :
MSVOA_X
ClientSampleId :
IBLK

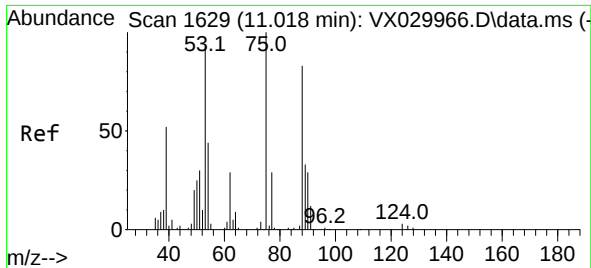
Tgt Ion: 95 Resp: 77153
Ion Ratio Lower Upper
95 100
174 79.2 65.4 98.2
176 73.6 63.4 95.0



#63
Toluene-d8
Concen: 29.855 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029979.D
Acq: 08 Jul 2022 17:39

Tgt Ion: 98 Resp: 236112
Ion Ratio Lower Upper
98 100
100 65.7 51.4 77.2





#77

t-1,4-Dichloro-2-butene

Concen: 30.720 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.067 min

Lab File: VX029979.D

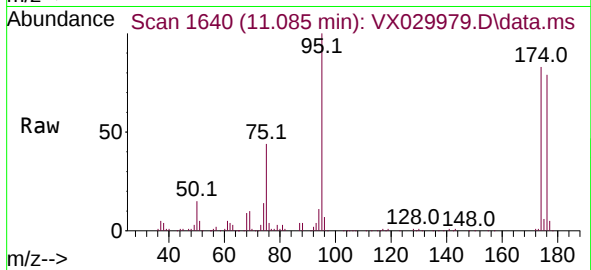
Acq: 08 Jul 2022 17:39

Instrument :

MSVOA_X

ClientSampleId :

IBLK



Tgt Ion: 75 Resp: 34646

Ion Ratio Lower Upper

75 100

53 0.0 59.7 179.1#

89 0.0 23.1 69.2#

