

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
 Data File : VX041560.D
 Acq On : 16 May 2024 13:57
 Operator : JC/MD
 Sample : P2506-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 17 02:39:25 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

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

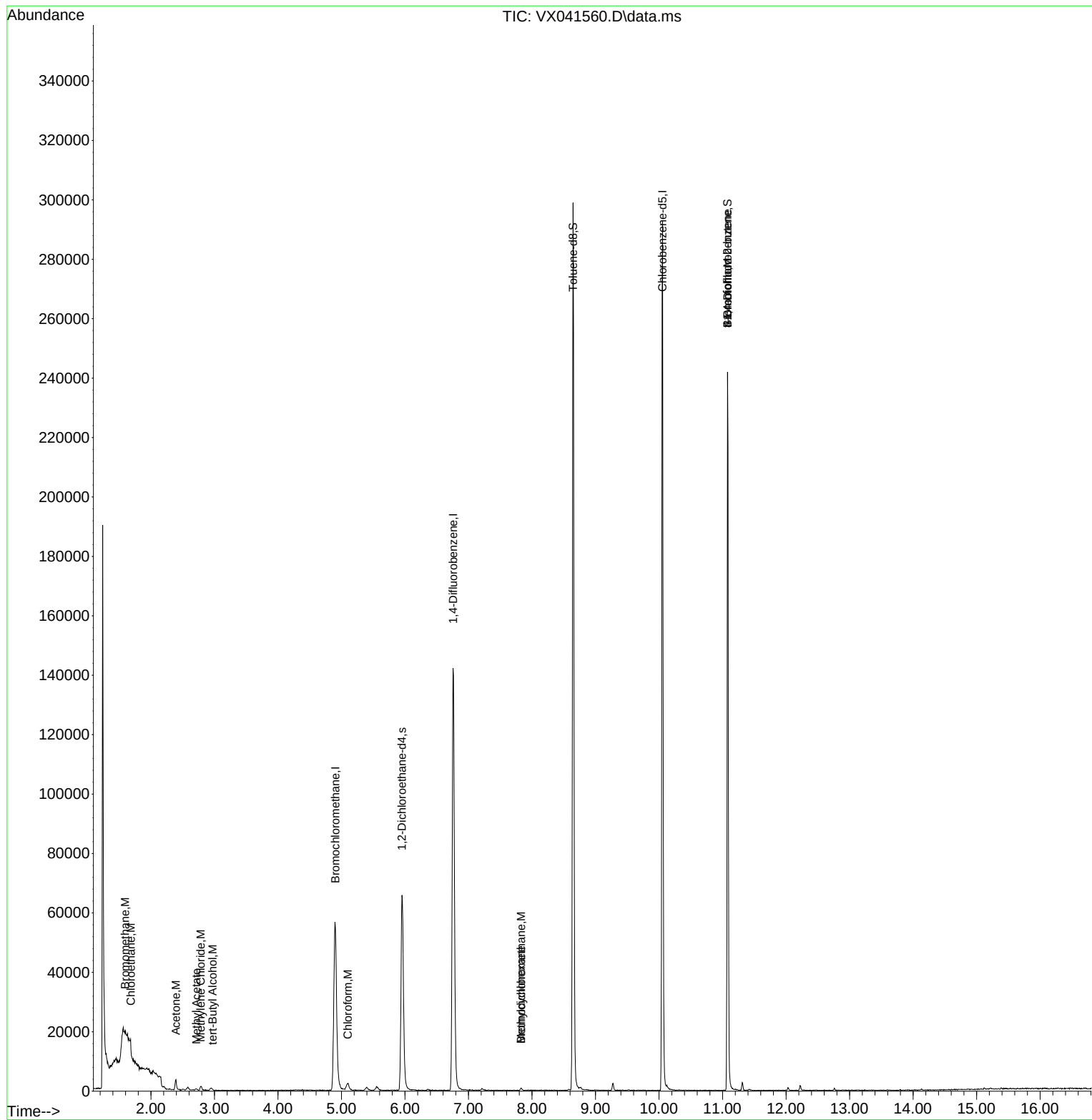
Internal Standards						
1) Bromochloromethane	4.904	128	26930	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	153391	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	138026	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	66709	31.456	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.867%
60) 4-Bromofluorobenzene	11.079	95	59856	27.779	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.600%
63) Toluene-d8	8.647	98	178862	30.230	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.767%
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	223	0.216	ug/l #	34
6) Chloroethane	1.685	64	2125	2.588	ug/l #	49
12) Methyl Acetate	2.715	43	598	0.288	ug/l	91
15) Acetone	2.392	58	1133	4.635	ug/l	90
18) Methylene Chloride	2.782	84	786	0.480	ug/l #	67
23) tert-Butyl Alcohol	2.971	59	131	0.338	ug/l #	100
25) Chloroform	5.099	83	3024	0.985	ug/l #	80
38) Methylcyclohexane	7.830	83	630	0.245	ug/l #	18
41) Bromodichloromethane	7.830	83	670	0.299	ug/l #	96
56) Bromoform	11.079	173	593	0.392	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	30773	41.662	ug/l #	1

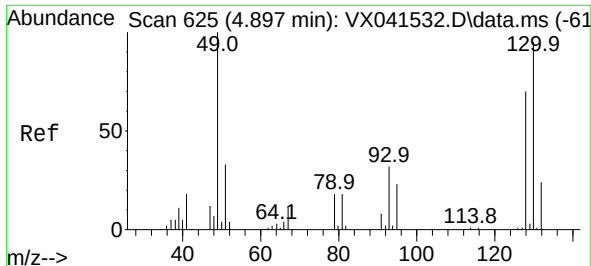
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :

Quant Time: May 17 02:39:25 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
Response via : Initial Calibration

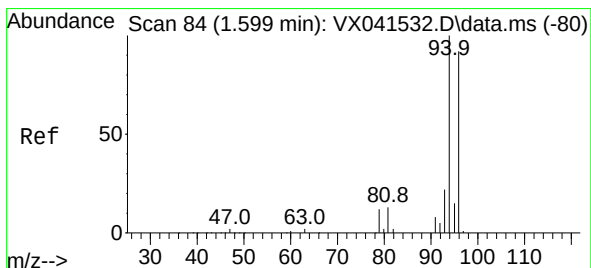
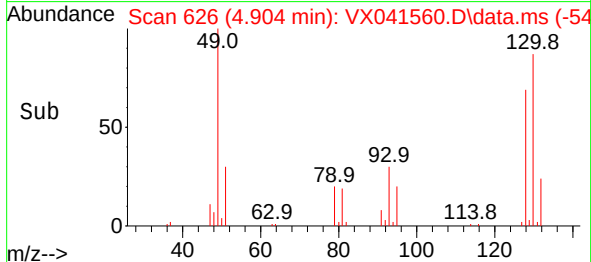
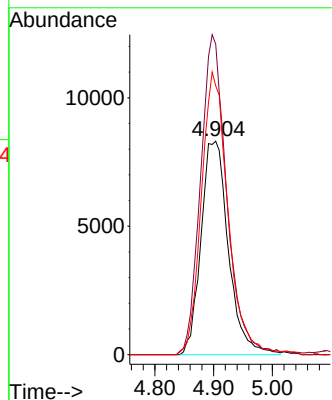
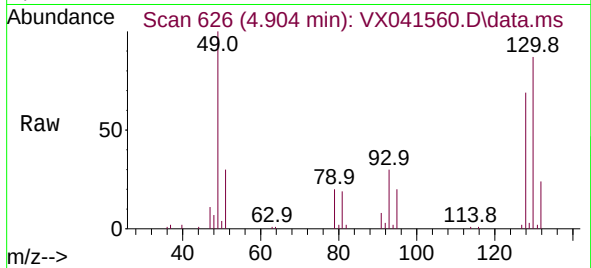




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX041560.D
Acq: 16 May 2024 13:57

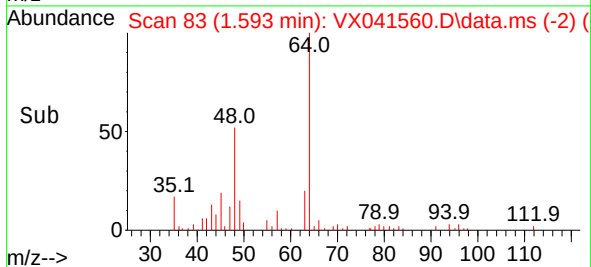
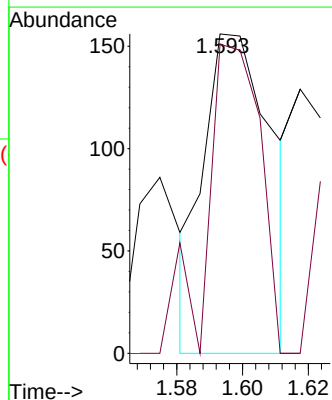
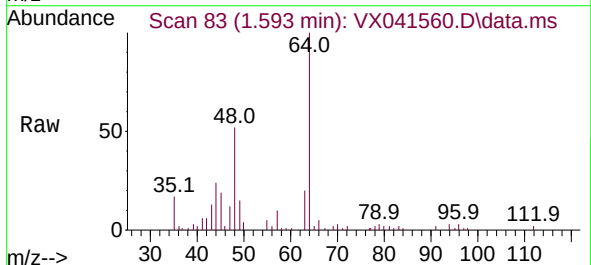
Instrument :
MSVOA_X
ClientSampleId :

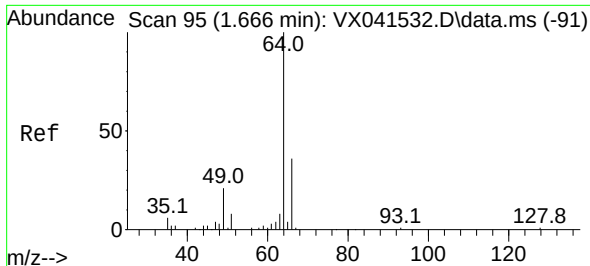
Tgt Ion:128 Resp: 26930
Ion Ratio Lower Upper
128 100
49 142.0 0.0 361.5
130 128.7 0.0 324.3



#5
Bromomethane
Concen: 0.216 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX041560.D
Acq: 16 May 2024 13:57

Tgt Ion: 94 Resp: 223
Ion Ratio Lower Upper
94 100
96 155.7 73.9 110.9#

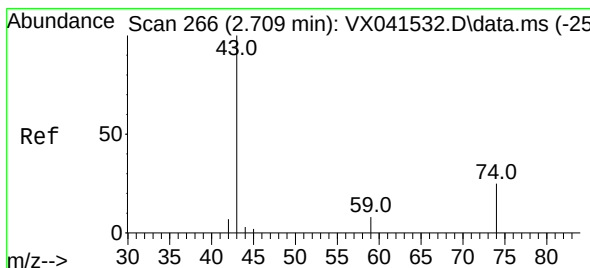
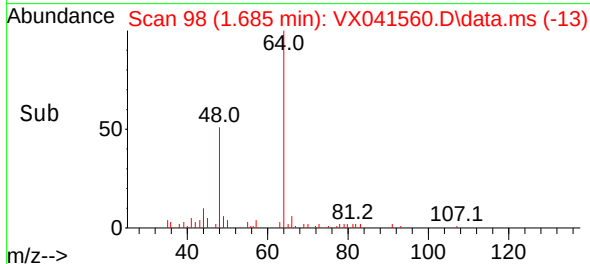
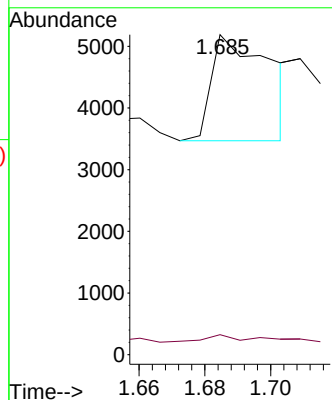
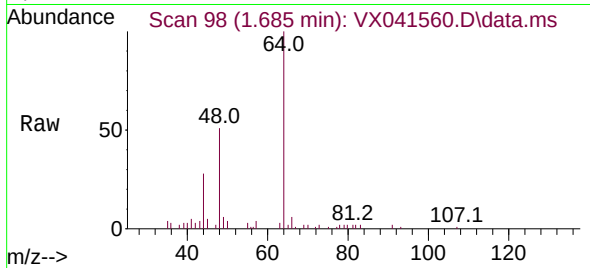




#6
Chloroethane
Concen: 2.588 ug/l
RT: 1.685 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX041560.D
Acq: 16 May 2024 13:57

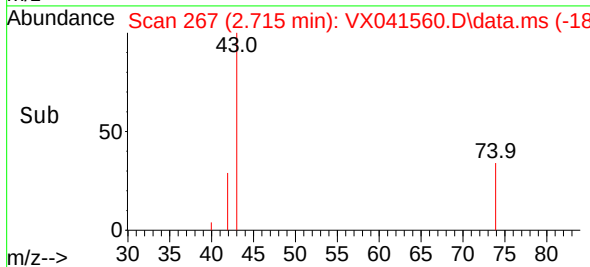
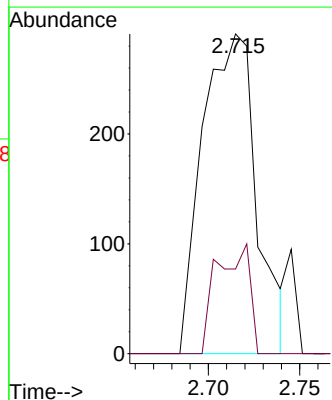
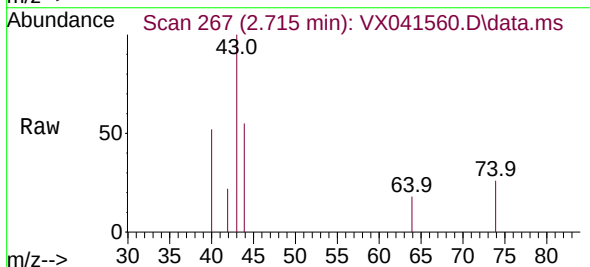
Instrument :
MSVOA_X
ClientSampleId :

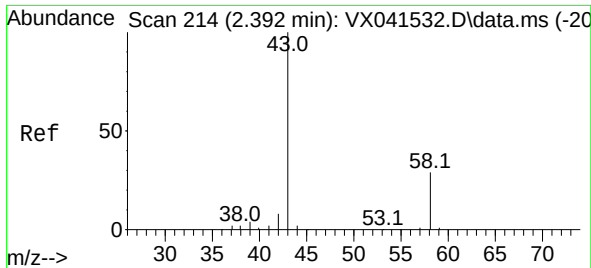
Tgt Ion: 64 Resp: 2125
Ion Ratio Lower Upper
64 100
66 6.1 28.6 42.8#



#12
Methyl Acetate
Concen: 0.288 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX041560.D
Acq: 16 May 2024 13:57

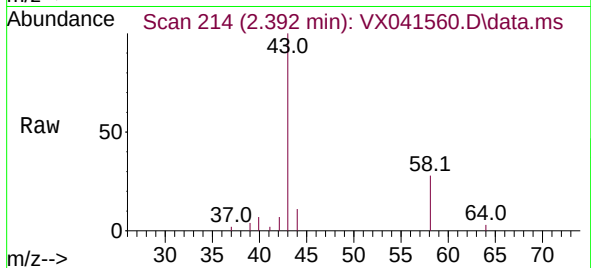
Tgt Ion: 43 Resp: 598
Ion Ratio Lower Upper
43 100
74 29.4 19.9 29.9



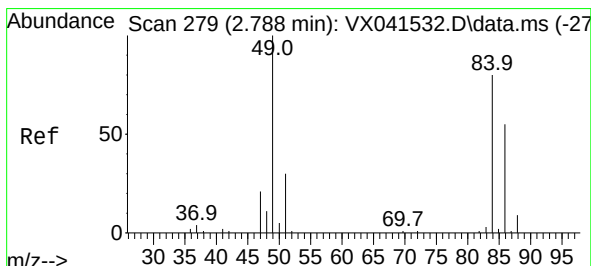
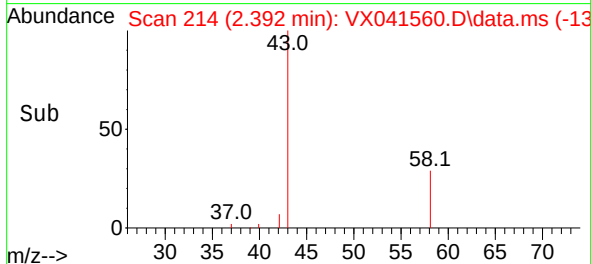
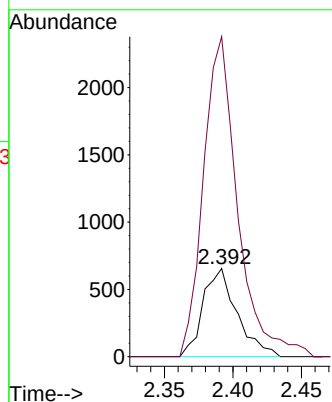


#15
Acetone
Concen: 4.635 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX041560.D
Acq: 16 May 2024 13:57

Instrument :
MSVOA_X
ClientSampleId :

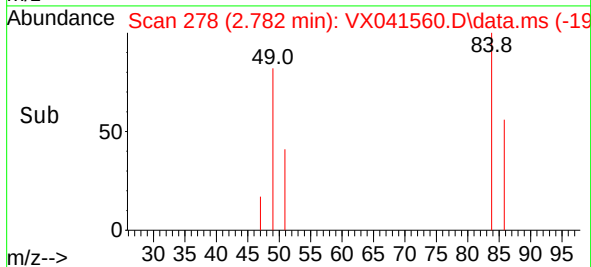
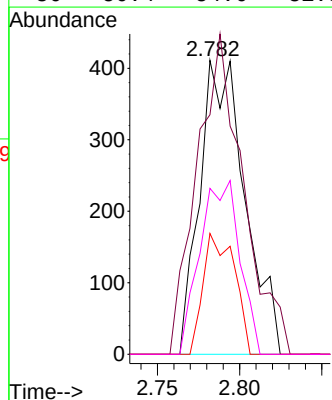
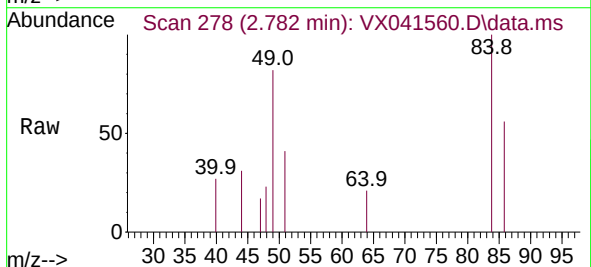


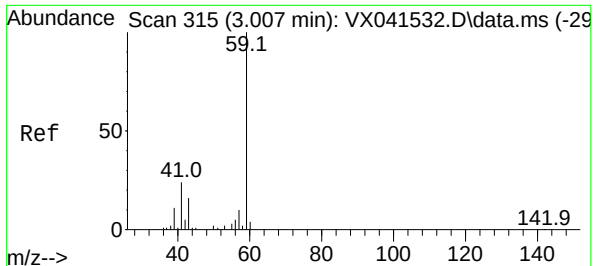
Tgt Ion: 58 Resp: 1133
Ion Ratio Lower Upper
58 100
43 363.1 274.0 411.0



#18
Methylene Chloride
Concen: 0.480 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX041560.D
Acq: 16 May 2024 13:57

Tgt Ion: 84 Resp: 786
Ion Ratio Lower Upper
84 100
49 65.5 99.8 149.8#
51 41.1 30.2 45.4
86 56.4 54.6 81.8





#23

tert-Butyl Alcohol

Concen: 0.338 ug/l

RT: 2.971 min Scan# 309

Delta R.T. -0.036 min

Lab File: VX041560.D

Acq: 16 May 2024 13:57

Instrument :

MSVOA_X

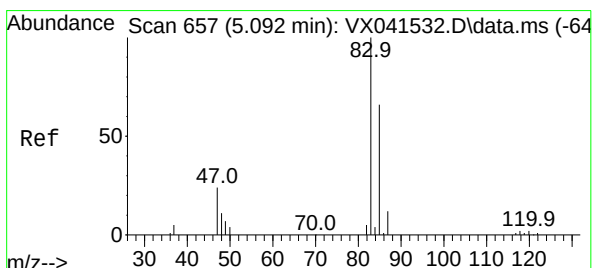
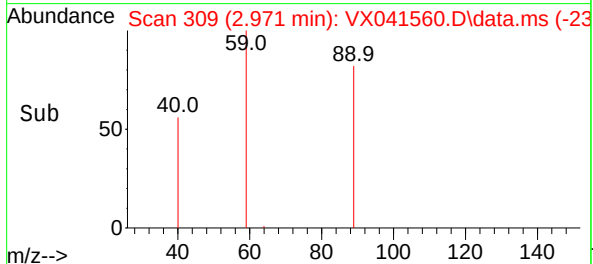
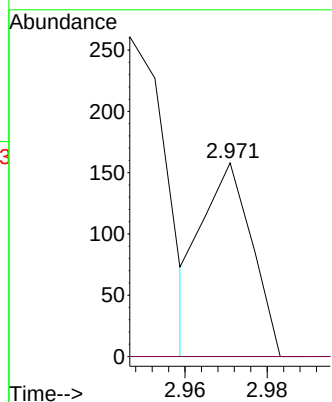
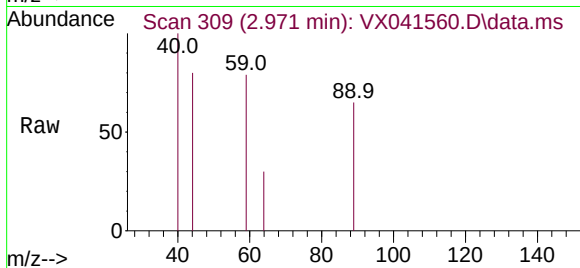
ClientSampleId :

Tgt Ion: 59 Resp: 131

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#25

Chloroform

Concen: 0.985 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.006 min

Lab File: VX041560.D

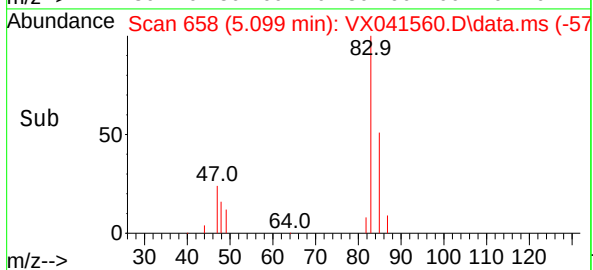
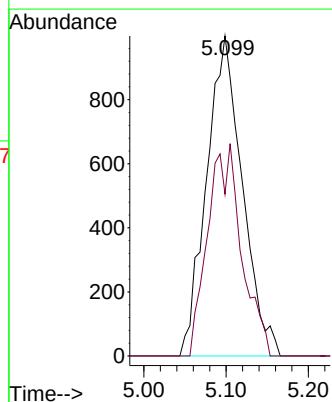
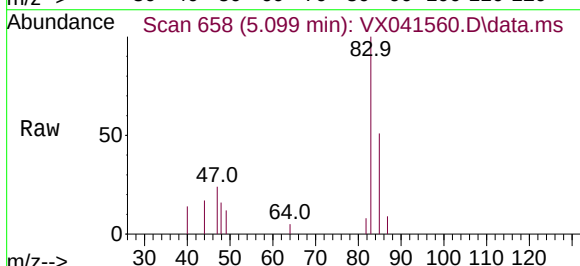
Acq: 16 May 2024 13:57

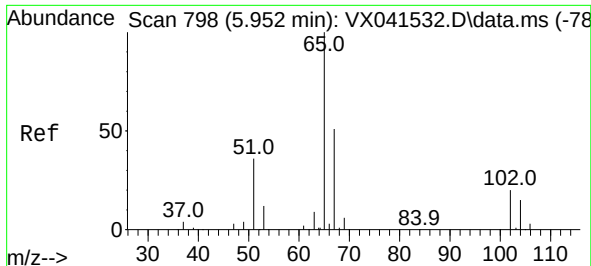
Tgt Ion: 83 Resp: 3024

Ion Ratio Lower Upper

83 100

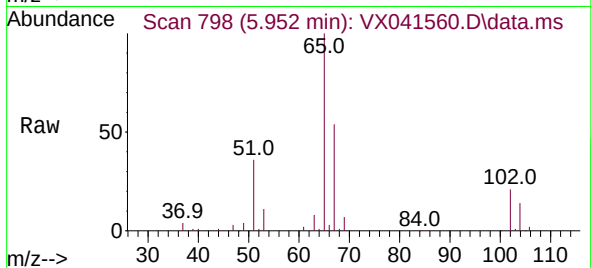
85 50.6 52.9 79.3#



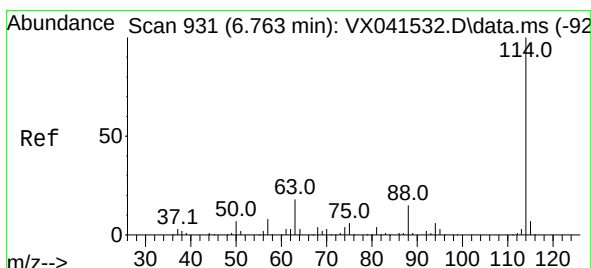
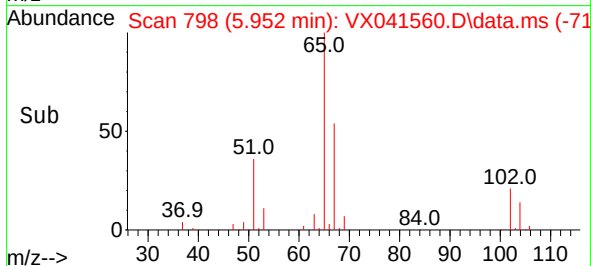
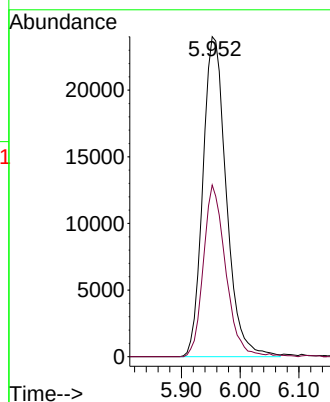


#27
 1,2-Dichloroethane-d4
 Concen: 31.456 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX041560.D
 Acq: 16 May 2024 13:57

Instrument :
 MSVOA_X
 ClientSampleId :

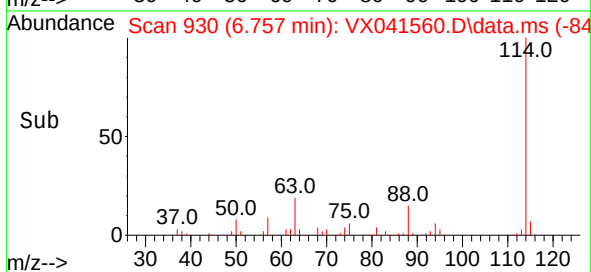
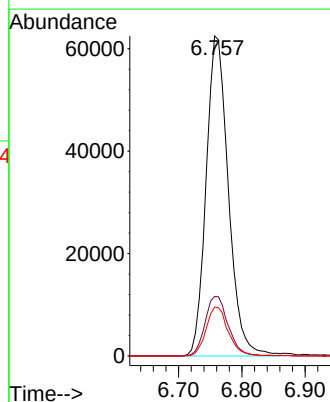
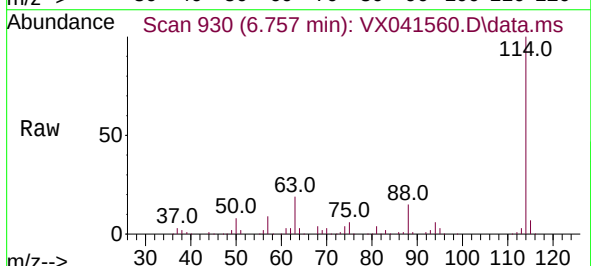


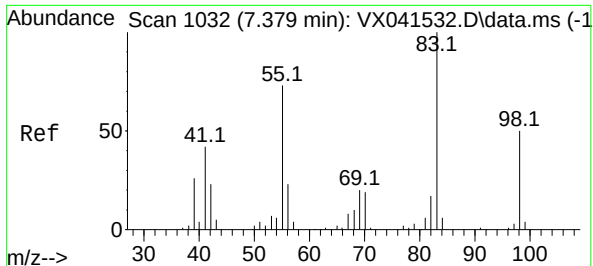
Tgt Ion: 65 Resp: 66709
 Ion Ratio Lower Upper
 65 100
 67 50.6 40.8 61.2



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.006 min
 Lab File: VX041560.D
 Acq: 16 May 2024 13:57

Tgt Ion: 114 Resp: 153391
 Ion Ratio Lower Upper
 114 100
 63 19.2 15.4 23.0
 88 15.2 12.2 18.2





#38

Methylcyclohexane

Concen: 0.245 ug/l

RT: 7.830 min Scan# 1106

Delta R.T. 0.451 min

Lab File: VX041560.D

Acq: 16 May 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :

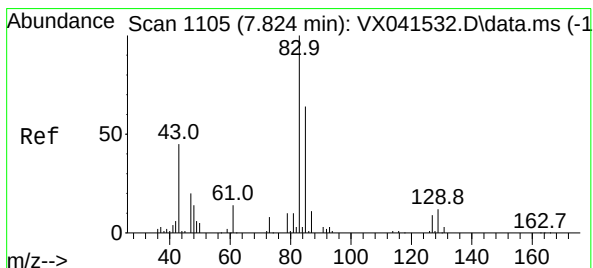
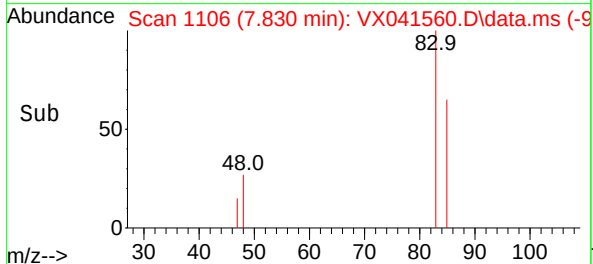
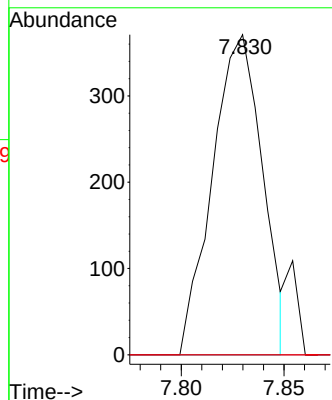
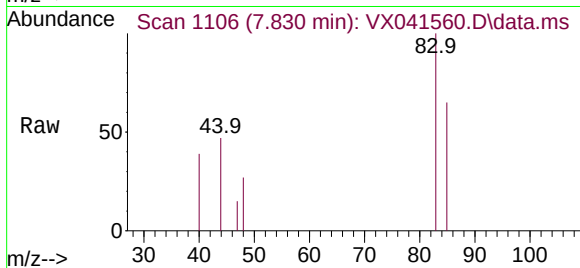
Tgt Ion: 83 Resp: 630

Ion Ratio Lower Upper

83 100

55 0.0 37.7 113.1#

98 0.0 25.1 75.3#



#41

Bromodichloromethane

Concen: 0.299 ug/l

RT: 7.830 min Scan# 1106

Delta R.T. 0.006 min

Lab File: VX041560.D

Acq: 16 May 2024 13:57

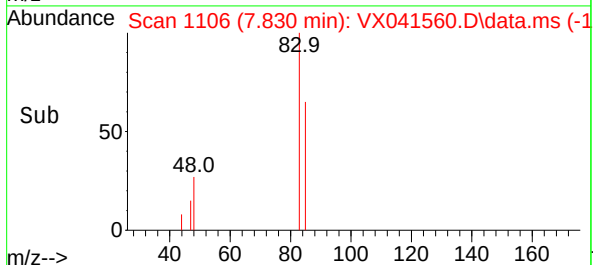
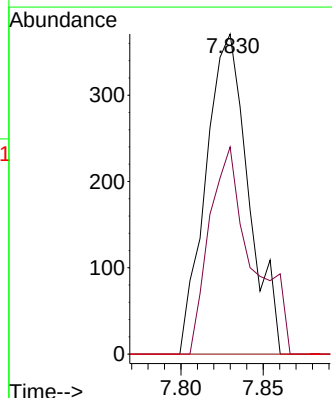
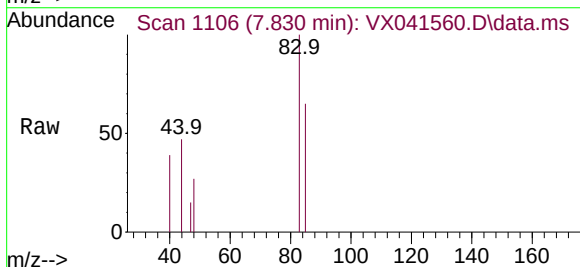
Tgt Ion: 83 Resp: 670

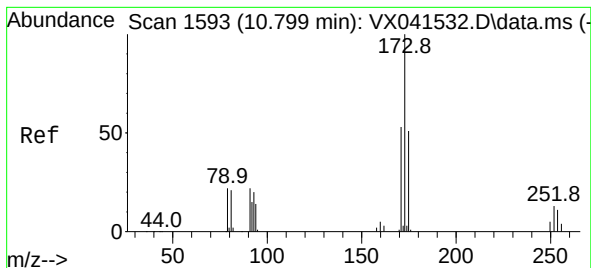
Ion Ratio Lower Upper

83 100

85 64.7 51.0 76.4

127 0.0 7.1 10.7#





#56

Bromoform

Concen: 0.392 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.281 min

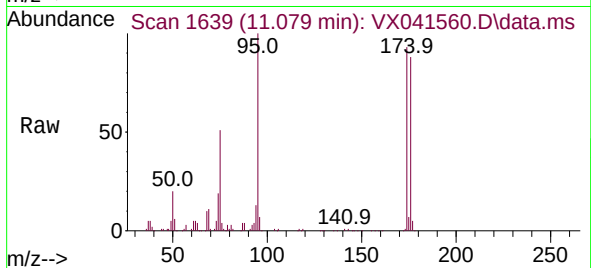
Lab File: VX041560.D

Acq: 16 May 2024 13:57

Instrument :

MSVOA_X

ClientSampleId :



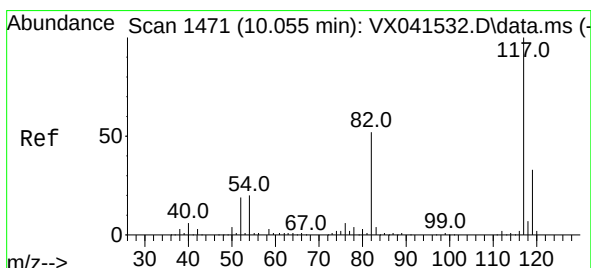
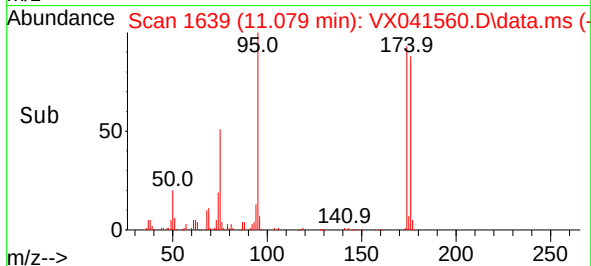
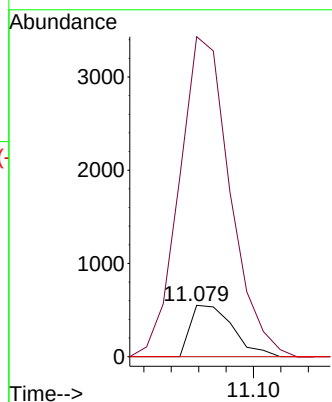
Tgt Ion:173 Resp: 593

Ion Ratio Lower Upper

173 100

175 747.6 39.0 58.6#

254 0.0 10.3 15.5#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX041560.D

Acq: 16 May 2024 13:57

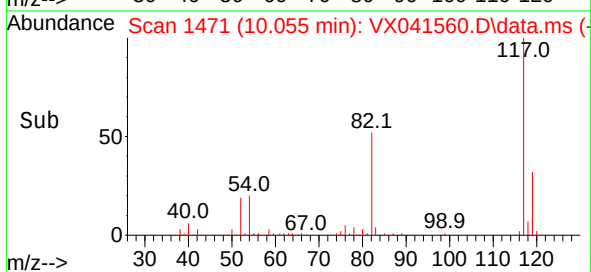
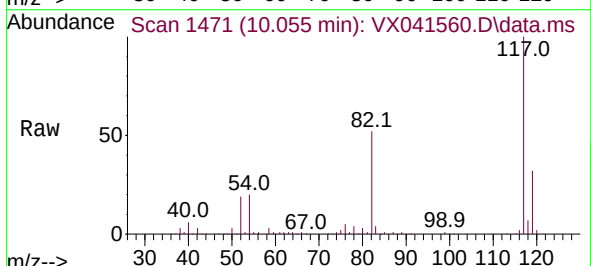
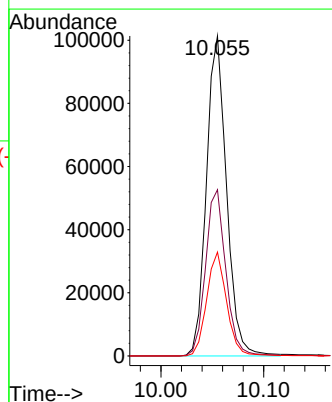
Tgt Ion:117 Resp: 138026

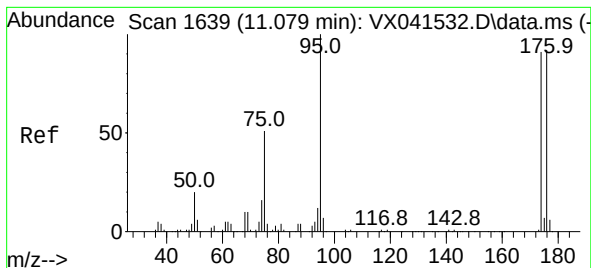
Ion Ratio Lower Upper

117 100

82 52.4 41.7 62.5

119 32.1 25.7 38.5

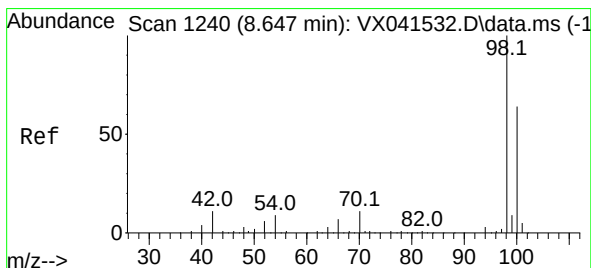
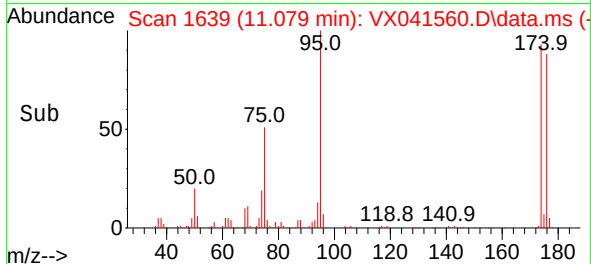
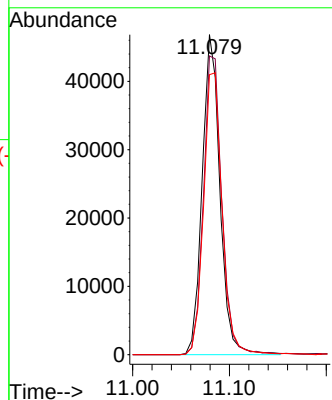
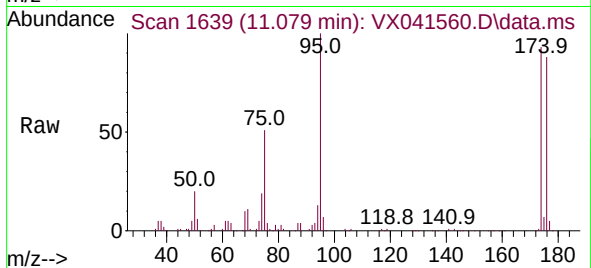




#60
4-Bromofluorobenzene
Concen: 27.779 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041560.D
Acq: 16 May 2024 13:57

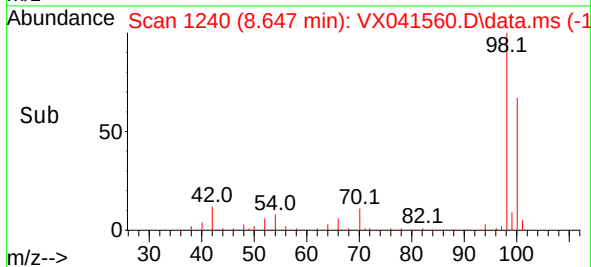
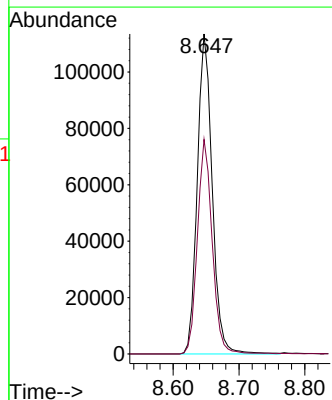
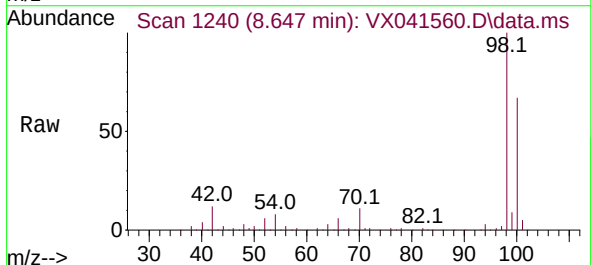
Instrument :
MSVOA_X
ClientSampleId :

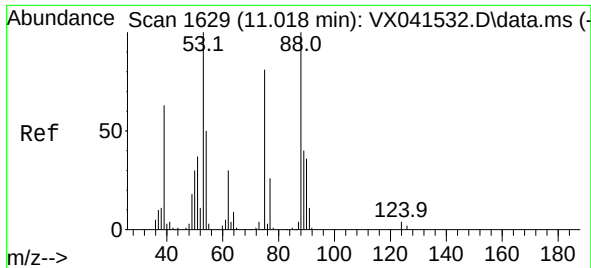
Tgt Ion: 95 Resp: 59856
Ion Ratio Lower Upper
95 100
174 97.3 76.6 115.0
176 92.3 75.4 113.0



#63
Toluene-d8
Concen: 30.230 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041560.D
Acq: 16 May 2024 13:57

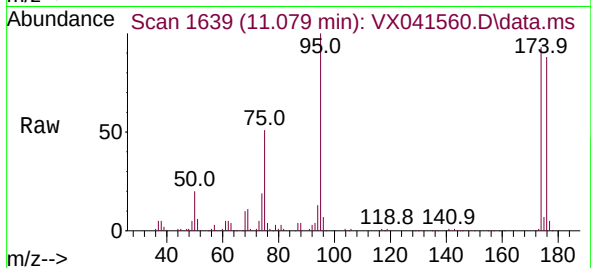
Tgt Ion: 98 Resp: 178862
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7





#77
 t-1,4-Dichloro-2-butene
 Concen: 41.662 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041560.D
 Acq: 16 May 2024 13:57

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 30773
 Ion Ratio Lower Upper
 75 100
 53 0.0 61.8 185.3#
 89 0.0 24.9 74.7#

