

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052324\
 Data File : VX041637.D
 Acq On : 23 May 2024 18:28
 Operator : JC/MD
 Sample : P2584-02 40X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 24 06:46:59 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)

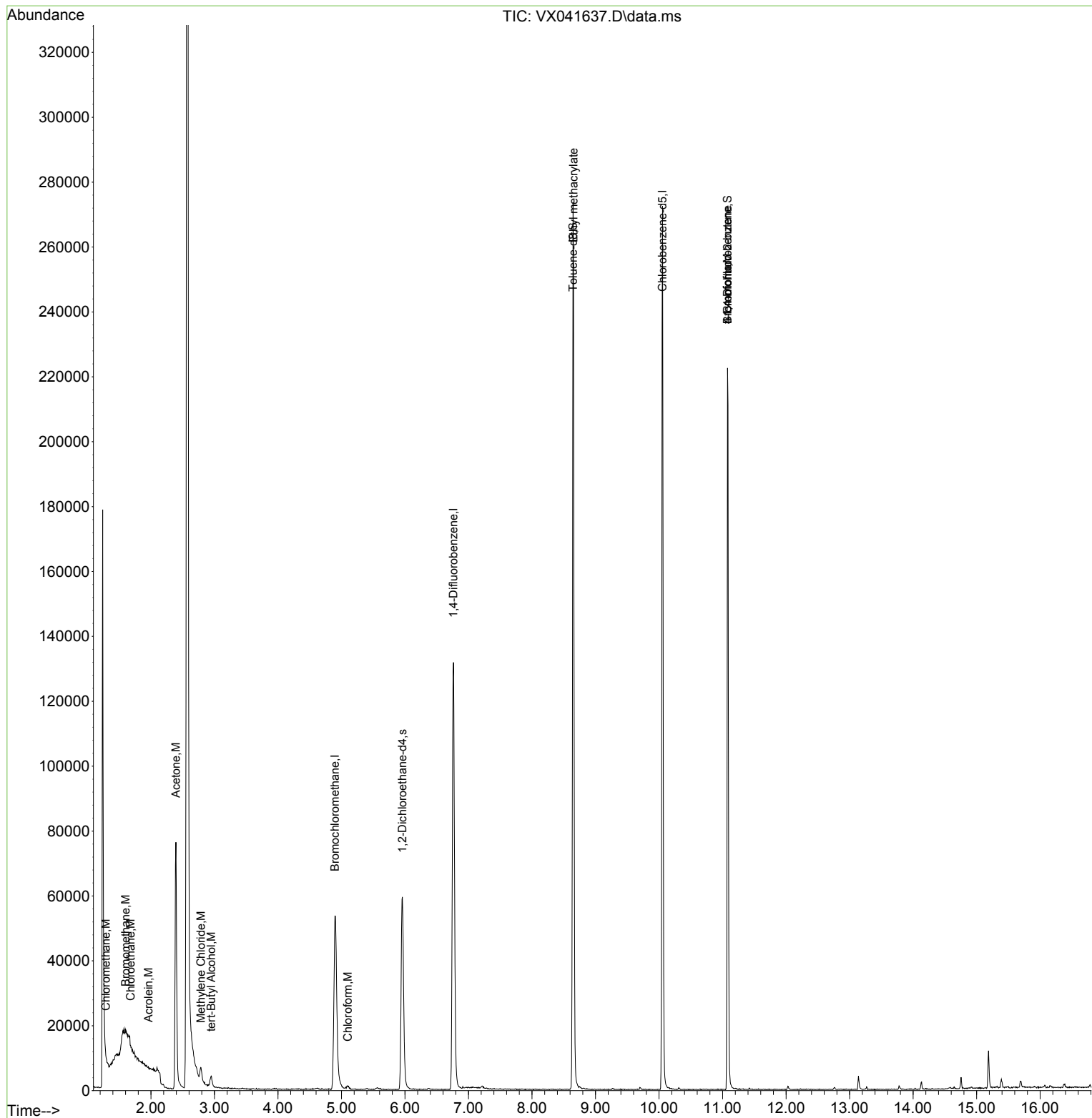
Internal Standards						
1) Bromochloromethane	4.898	128	26114	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	141926	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	128769	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	60602	29.469	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.233%
60) 4-Bromofluorobenzene	11.079	95	56382	28.048	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.500%
63) Toluene-d8	8.647	98	161847	29.321	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.733%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	326	0.218	ug/l #	42
5) Bromomethane	1.599	94	290	0.290	ug/l	95
6) Chloroethane	1.679	64	4181	5.251	ug/l #	40
13) Acrolein	1.959	56	91	0.371	ug/l #	72
15) Acetone	2.392	58	24545	103.550	ug/l	96
18) Methylene Chloride	2.788	84	2165	1.362	ug/l #	88
23) tert-Butyl Alcohol	2.947	59	2155	5.740	ug/l #	100
25) Chloroform	5.099	83	846	0.284	ug/l	93
51) Ethyl methacrylate	8.653	69	531	0.215	ug/l	85
56) Bromoform	11.079	173	580	0.415	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	28841	41.853	ug/l #	1

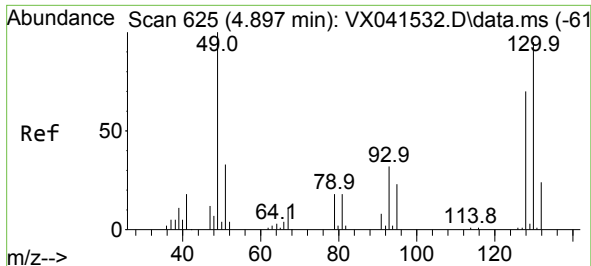
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052324\
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MSVOA_X
ClientSampleId :

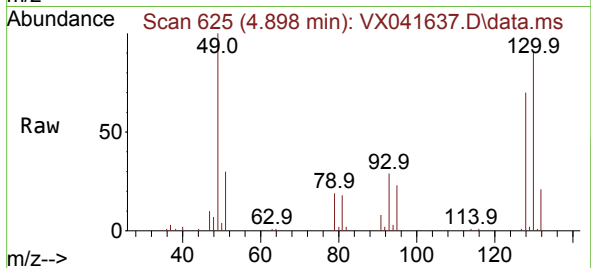
Quant Time: May 24 06:46:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
Response via : Initial Calibration



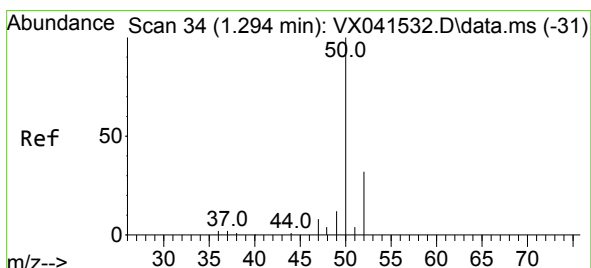
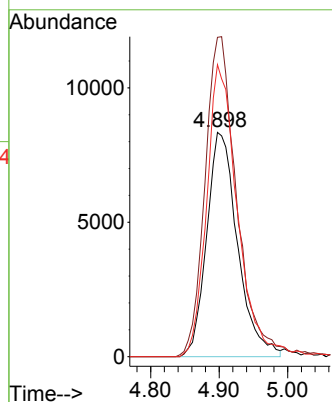
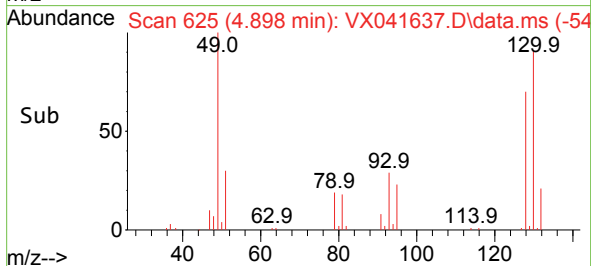


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.001 min
Lab File: VX041637.D
Acq: 23 May 2024 18:28

Instrument :
MSVOA_X
ClientSampleId :

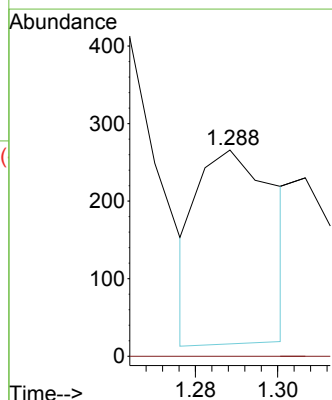
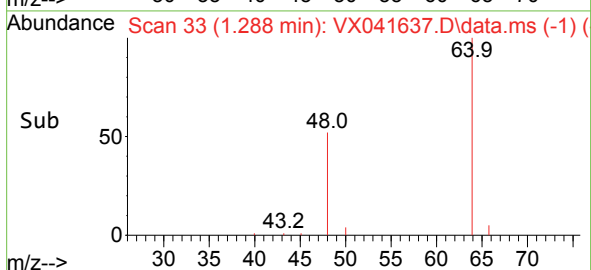
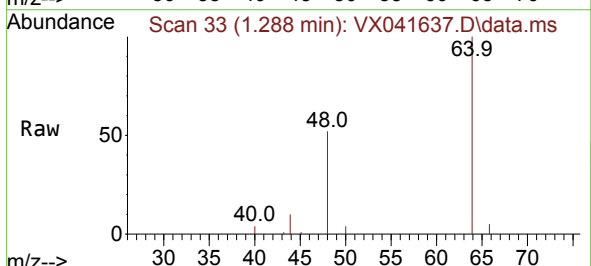


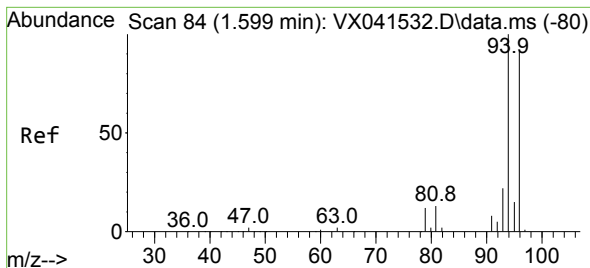
Tgt Ion:128 Resp: 26114
Ion Ratio Lower Upper
128 100
49 145.4 0.0 361.5
130 129.5 0.0 324.3



#3
Chloromethane
Concen: 0.218 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX041637.D
Acq: 23 May 2024 18:28

Tgt Ion: 50 Resp: 326
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#





#5

Bromomethane

Concen: 0.290 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.000 min

Lab File: VX041637.D

Acq: 23 May 2024 18:28

Instrument :

MSVOA_X

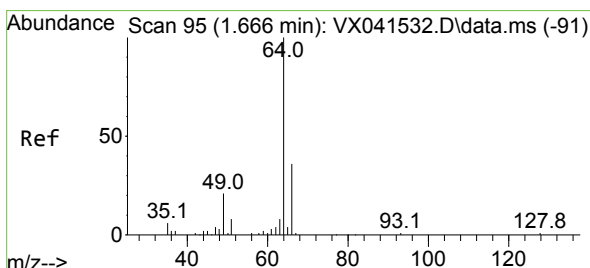
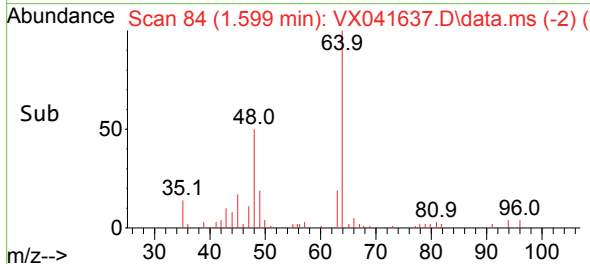
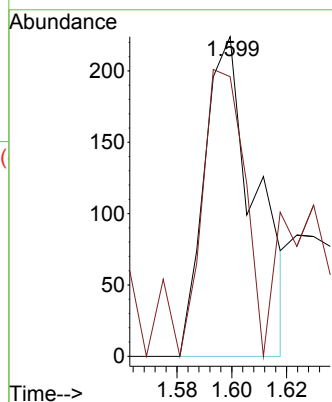
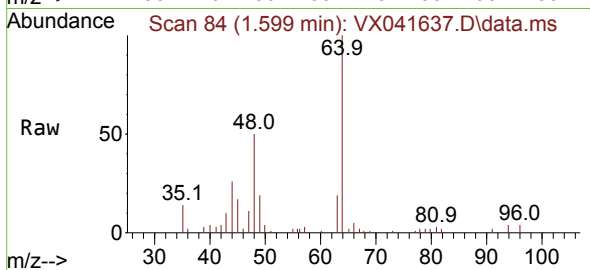
ClientSampleId :

Tgt Ion: 94 Resp: 290

Ion Ratio Lower Upper

94 100

96 87.5 73.9 110.9



#6

Chloroethane

Concen: 5.251 ug/l

RT: 1.679 min Scan# 97

Delta R.T. 0.012 min

Lab File: VX041637.D

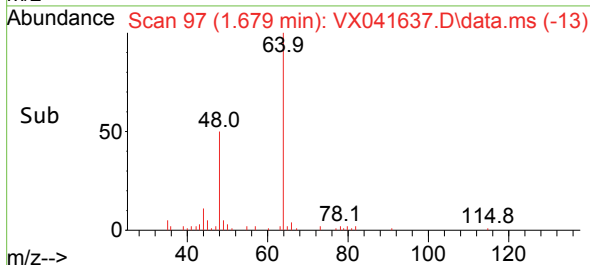
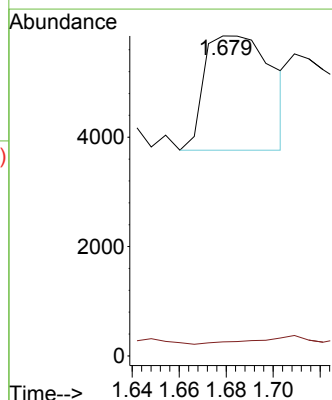
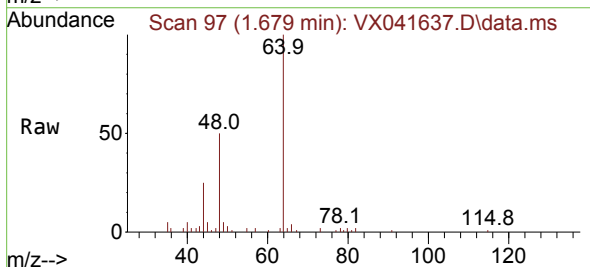
Acq: 23 May 2024 18:28

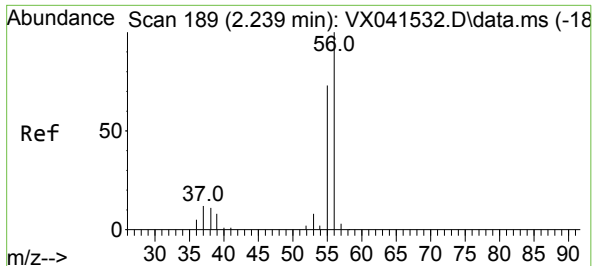
Tgt Ion: 64 Resp: 4181

Ion Ratio Lower Upper

64 100

66 0.7 28.6 42.8#





#13

Acrolein

Concen: 0.371 ug/l

RT: 1.959 min Scan# 14

Delta R.T. -0.280 min

Lab File: VX041637.D

Acq: 23 May 2024 18:28

Instrument :

MSVOA_X

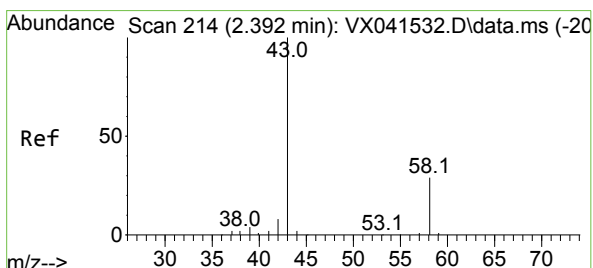
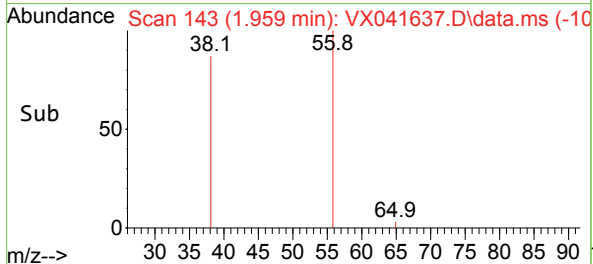
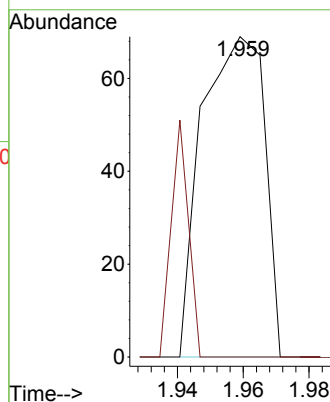
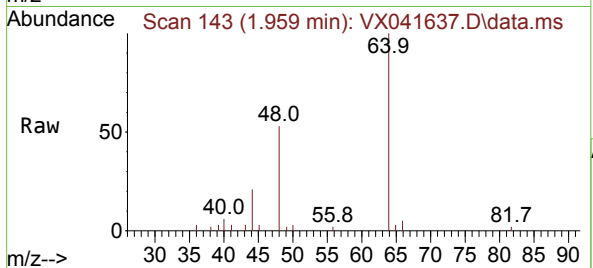
ClientSampleId :

Tgt Ion: 56 Resp: 91

Ion Ratio Lower Upper

56 100

55 46.2 55.1 82.7#



#15

Acetone

Concen: 103.550 ug/l

RT: 2.392 min Scan# 214

Delta R.T. 0.000 min

Lab File: VX041637.D

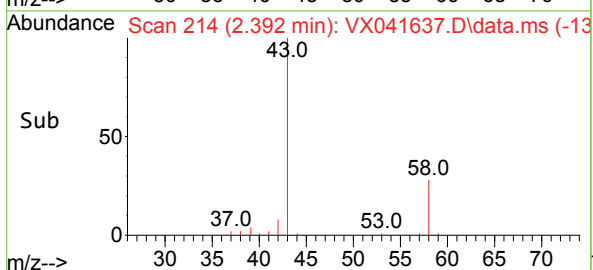
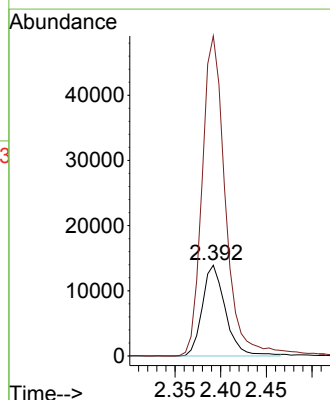
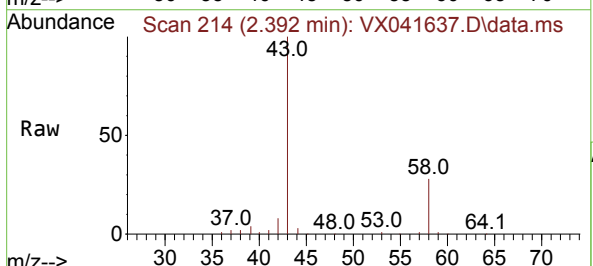
Acq: 23 May 2024 18:28

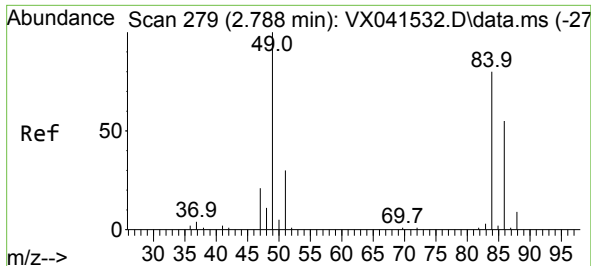
Tgt Ion: 58 Resp: 24545

Ion Ratio Lower Upper

58 100

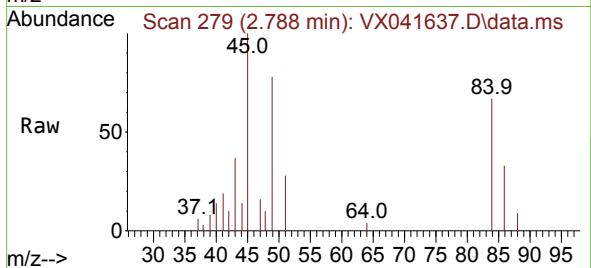
43 352.1 274.0 411.0





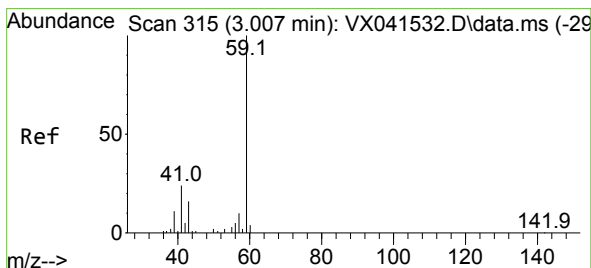
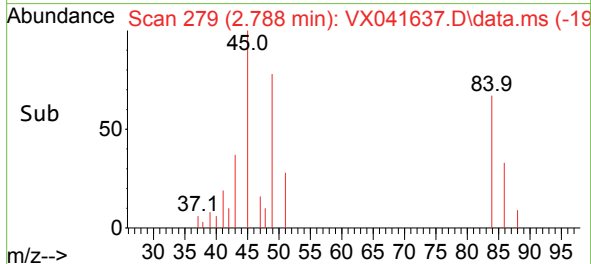
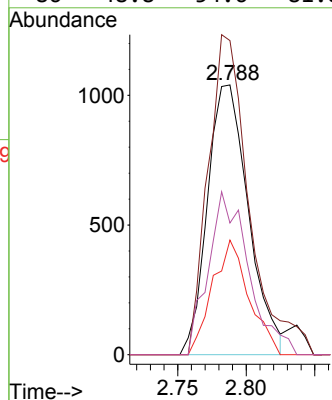
#18
Methylene Chloride
Concen: 1.362 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041637.D
Acq: 23 May 2024 18:28

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 84 Resp: 2165

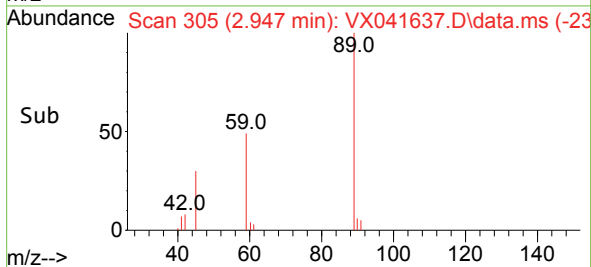
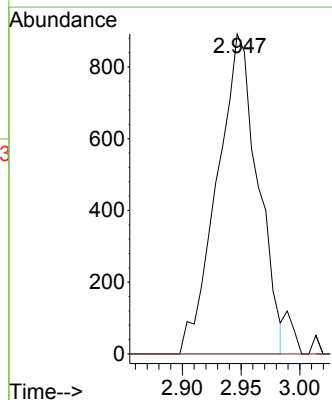
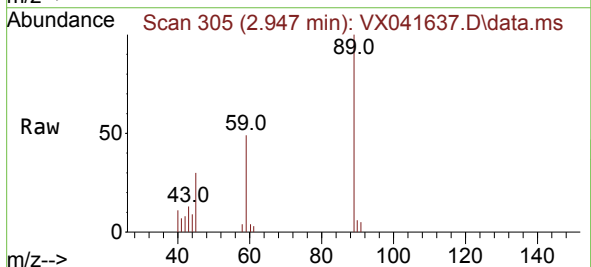
Ion	Ratio	Lower	Upper
84	100		
49	116.4	99.8	149.8
51	42.5	30.2	45.4
86	48.8	54.6	81.8

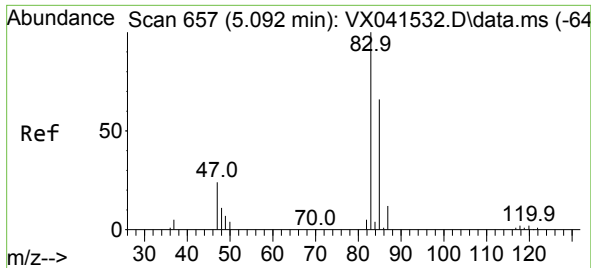


#23
tert-Butyl Alcohol
Concen: 5.740 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.061 min
Lab File: VX041637.D
Acq: 23 May 2024 18:28

Tgt Ion: 59 Resp: 2155

Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

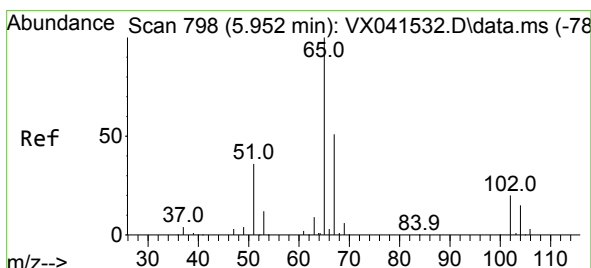
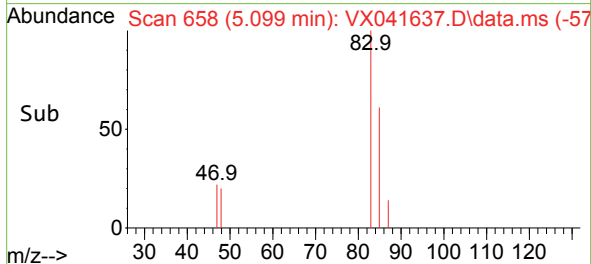
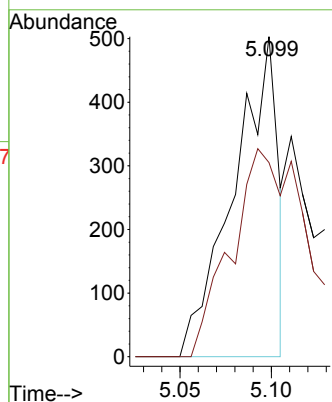
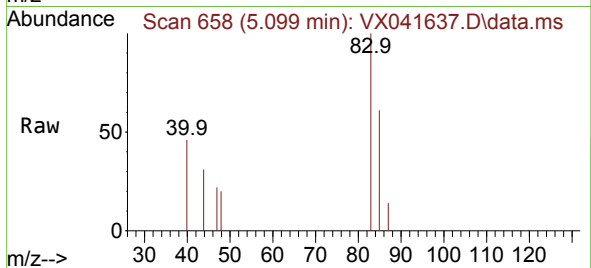




#25
Chloroform
Concen: 0.284 ug/l
RT: 5.099 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX041637.D
Acq: 23 May 2024 18:28

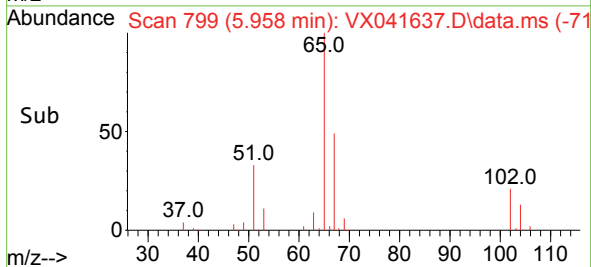
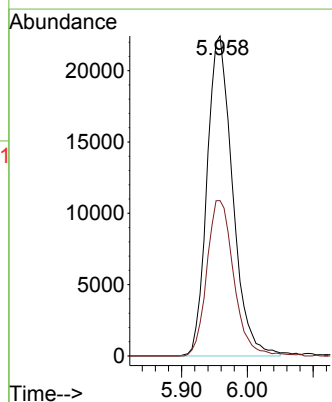
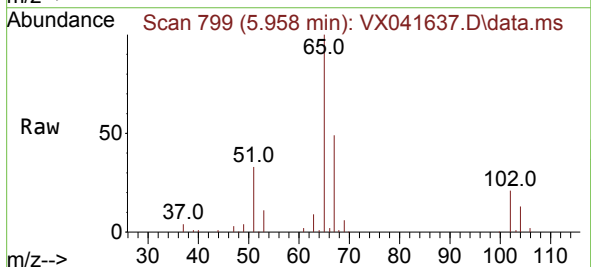
Instrument :
MSVOA_X
ClientSampleId :

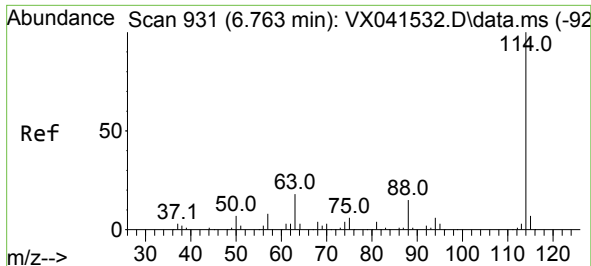
Tgt Ion: 83 Resp: 846
Ion Ratio Lower Upper
83 100
85 60.6 52.9 79.3



#27
1,2-Dichloroethane-d4
Concen: 29.469 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX041637.D
Acq: 23 May 2024 18:28

Tgt Ion: 65 Resp: 60602
Ion Ratio Lower Upper
65 100
67 50.7 40.8 61.2

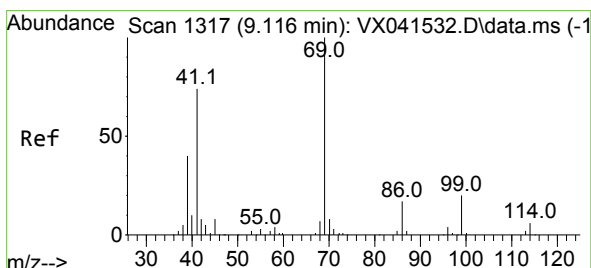
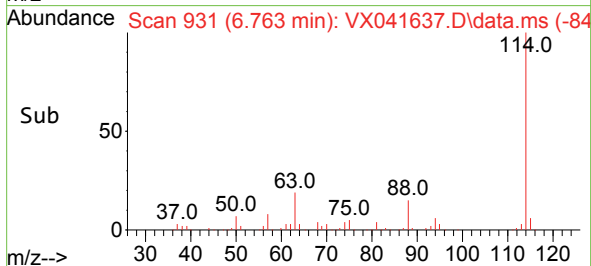
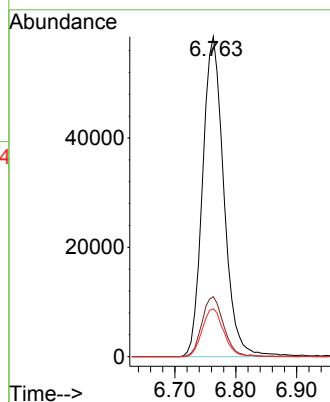
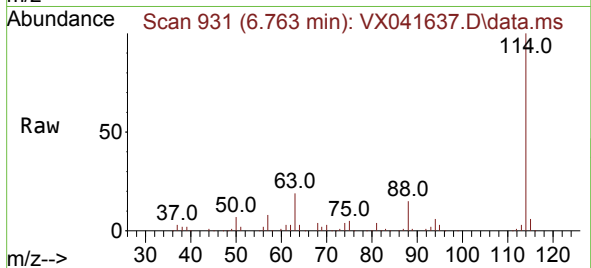




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX041637.D
Acq: 23 May 2024 18:28

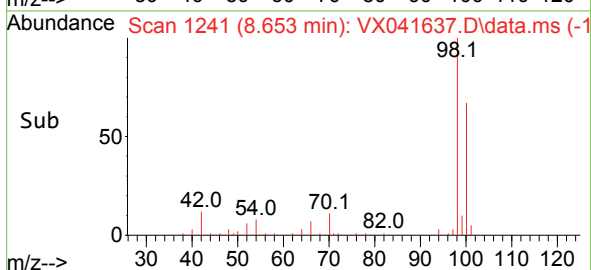
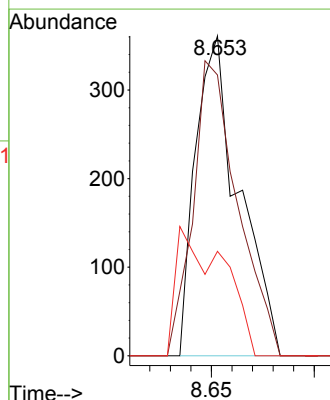
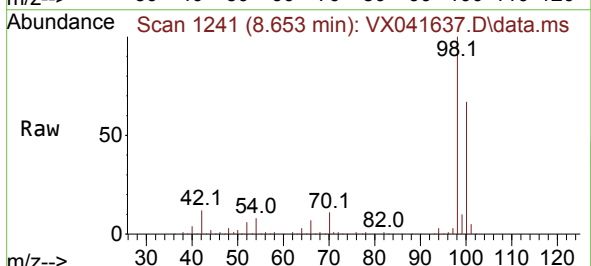
Instrument :
MSVOA_X
ClientSampleId :

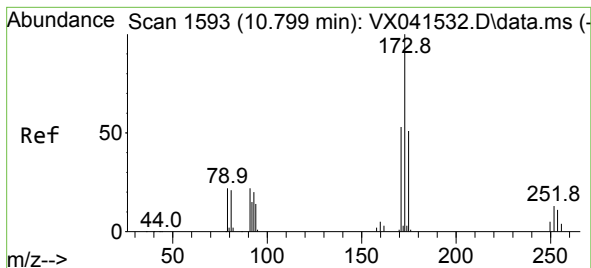
Tgt Ion:114 Resp: 141926
Ion Ratio Lower Upper
114 100
63 19.2 15.4 23.0
88 15.0 12.2 18.2



#51
Ethyl methacrylate
Concen: 0.215 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.463 min
Lab File: VX041637.D
Acq: 23 May 2024 18:28

Tgt Ion: 69 Resp: 531
Ion Ratio Lower Upper
69 100
41 87.8 37.1 111.3
39 32.7 20.2 60.6





#56

Bromoform

Concen: 0.415 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.281 min

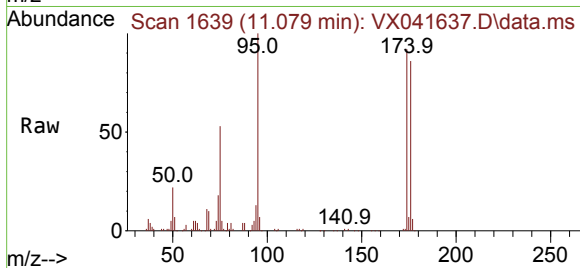
Lab File: VX041637.D

Acq: 23 May 2024 18:28

Instrument :

MSVOA_X

ClientSampleId :



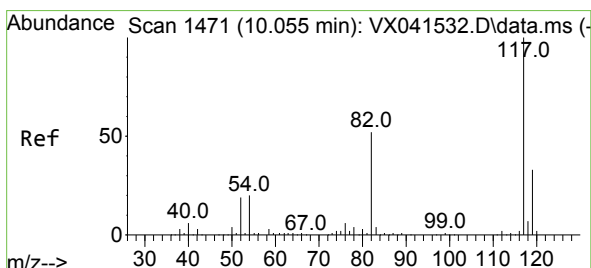
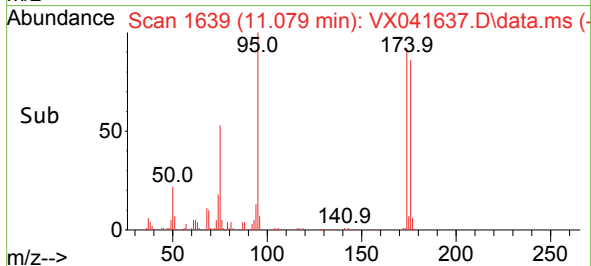
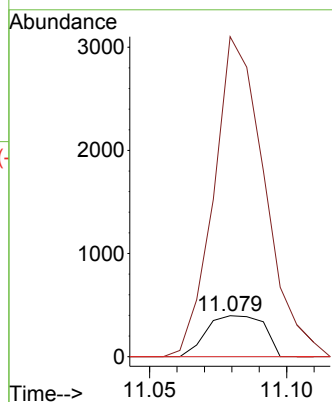
Tgt Ion:173 Resp: 580

Ion Ratio Lower Upper

173 100

175 691.7 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: VX041637.D

Acq: 23 May 2024 18:28

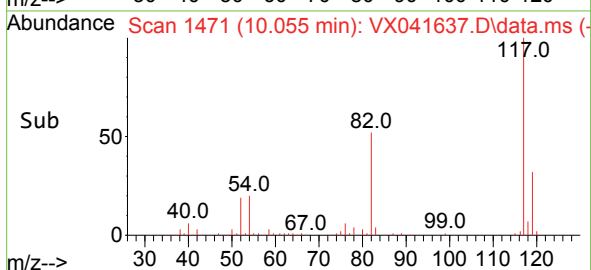
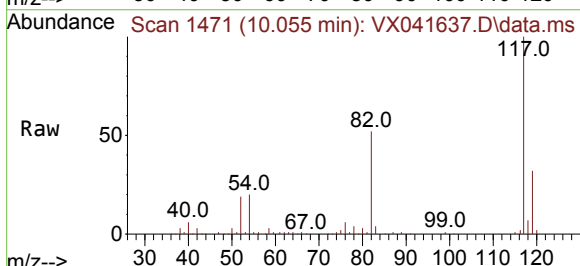
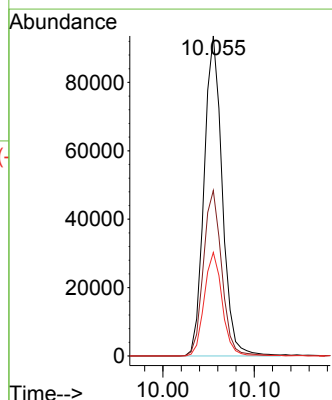
Tgt Ion:117 Resp: 128769

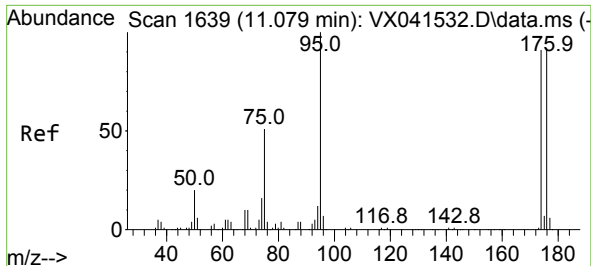
Ion Ratio Lower Upper

117 100

82 52.2 41.7 62.5

119 31.8 25.7 38.5

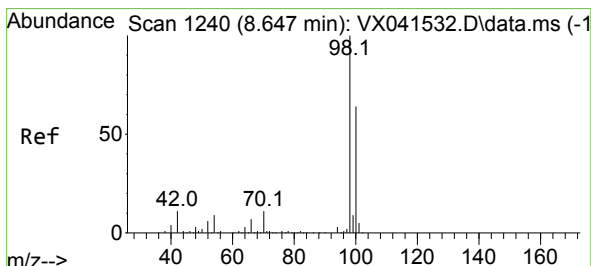
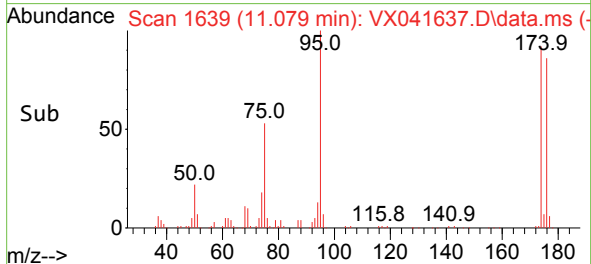
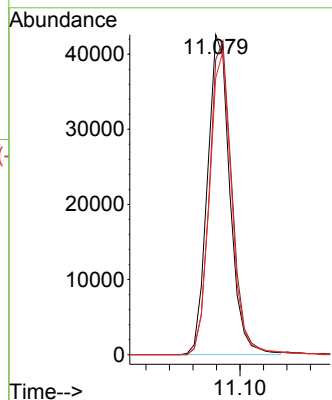
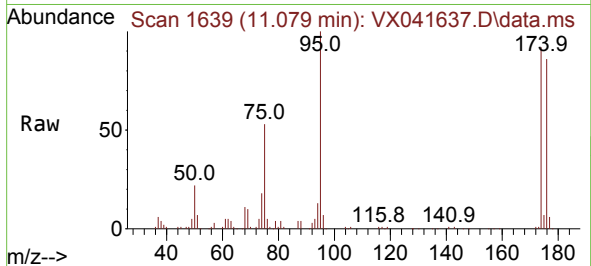




#60
4-Bromofluorobenzene
Concen: 28.048 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX041637.D
Acq: 23 May 2024 18:28

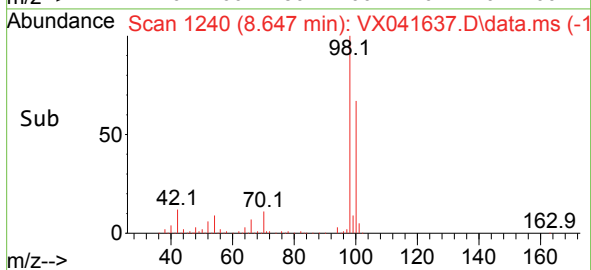
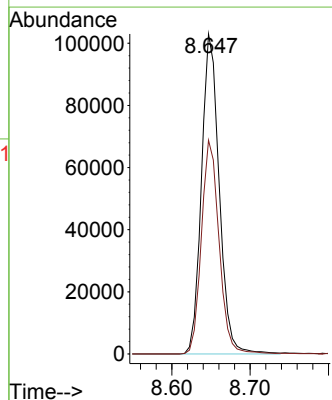
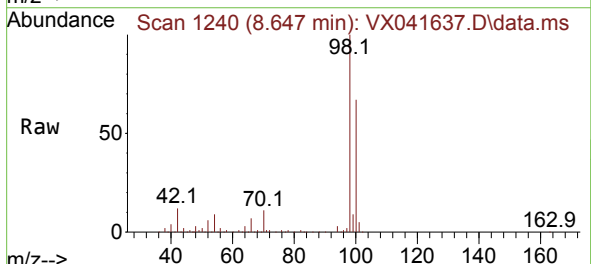
Instrument :
MSVOA_X
ClientSampleId :

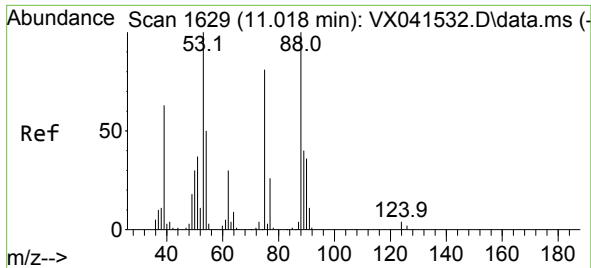
Tgt Ion: 95 Resp: 56382
Ion Ratio Lower Upper
95 100
174 99.0 76.6 115.0
176 94.3 75.4 113.0



#63
Toluene-d8
Concen: 29.321 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041637.D
Acq: 23 May 2024 18:28

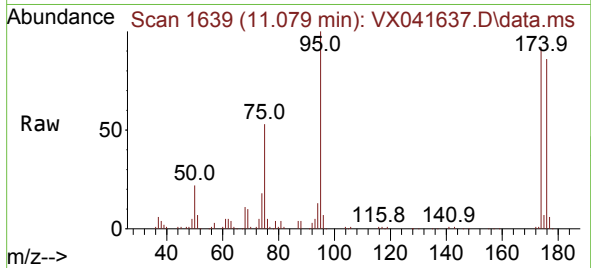
Tgt Ion: 98 Resp: 161847
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7





#77
 t-1,4-Dichloro-2-butene
 Concen: 41.853 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041637.D
 Acq: 23 May 2024 18:28

Instrument :
 MSVOA_X
 ClientSampleId :



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

