

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052824\
 Data File : VX041657.D
 Acq On : 28 May 2024 12:02
 Operator : JC/MD
 Sample : P2620-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 29 05:39:23 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)

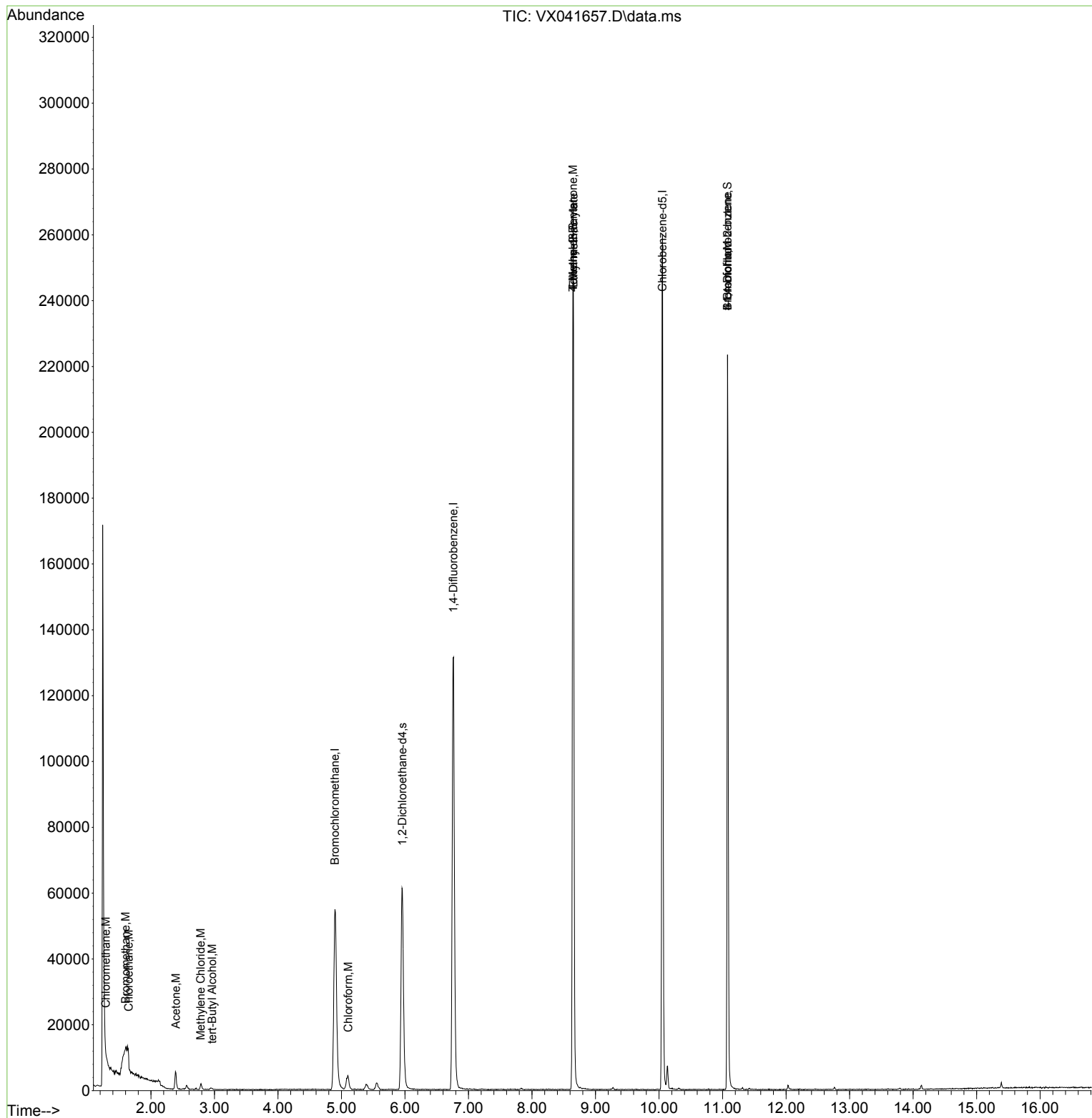
Internal Standards						
1) Bromochloromethane	4.897	128	25727	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	140851	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	126862	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	61848	30.527	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	101.767%
60) 4-Bromofluorobenzene	11.079	95	53513	27.021	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.067%
63) Toluene-d8	8.647	98	160368	29.490	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.300%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	501	0.340	ug/l #	42
5) Bromomethane	1.599	94	413	0.419	ug/l	99
6) Chloroethane	1.648	64	559	0.713	ug/l #	47
15) Acetone	2.392	58	1706	7.305	ug/l	77
18) Methylene Chloride	2.782	84	851	0.544	ug/l #	81
23) tert-Butyl Alcohol	2.965	59	273	0.738	ug/l #	100
25) Chloroform	5.105	83	5129	1.748	ug/l	98
51) Ethyl methacrylate	8.653	69	545	0.222	ug/l	87
56) Bromoform	11.079	173	349	0.251	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	837	0.361	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	27600	40.655	ug/l #	1

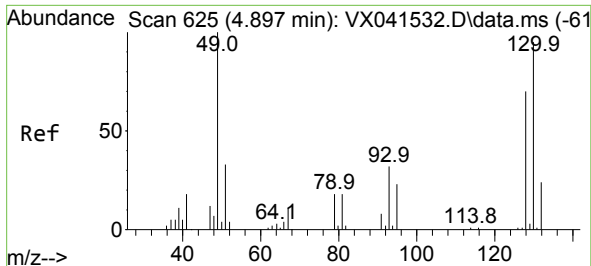
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
ClientSampleId :

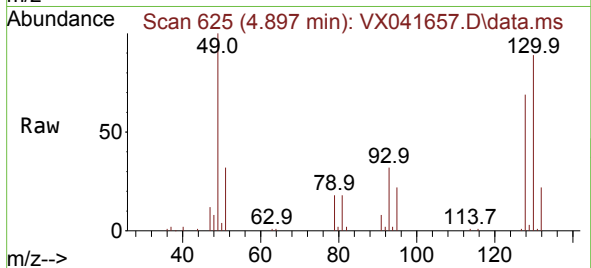
Quant Time: May 29 05:39:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
Response via : Initial Calibration



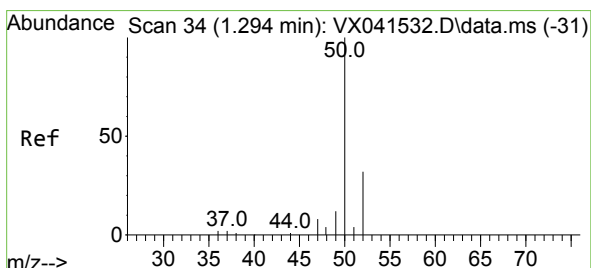
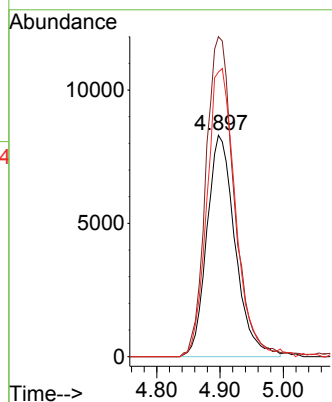
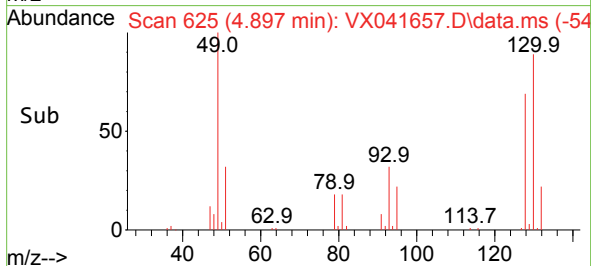


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041657.D
Acq: 28 May 2024 12:02

Instrument :
MSVOA_X
ClientSampleId :

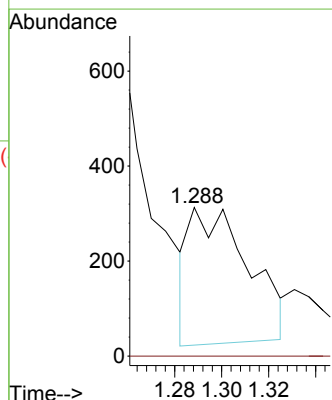
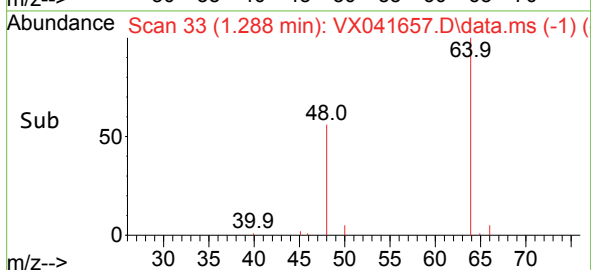
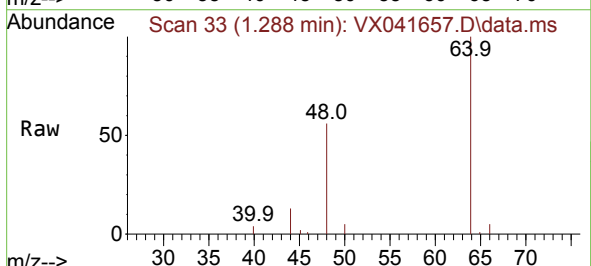


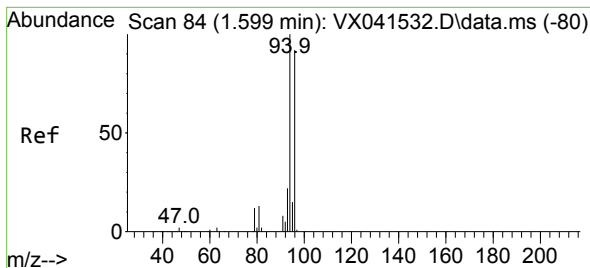
Tgt Ion:128 Resp: 25727
Ion Ratio Lower Upper
128 100
49 144.9 0.0 361.5
130 131.1 0.0 324.3



#3
Chloromethane
Concen: 0.340 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX041657.D
Acq: 28 May 2024 12:02

Tgt Ion: 50 Resp: 501
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#





#5

Bromomethane

Concen: 0.419 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.000 min

Lab File: VX041657.D

Acq: 28 May 2024 12:02

Instrument :

MSVOA_X

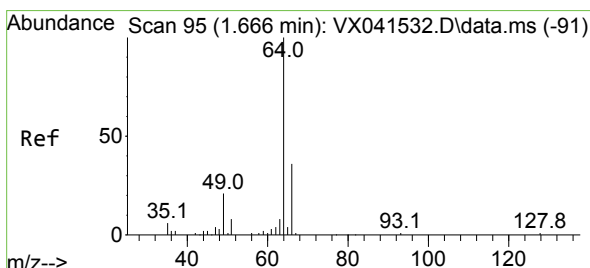
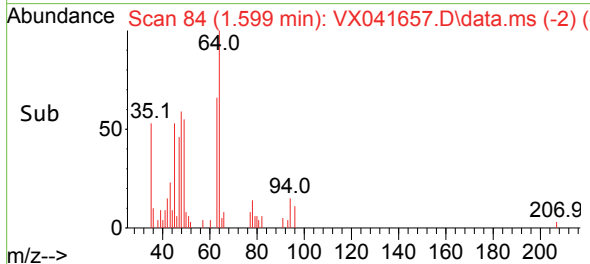
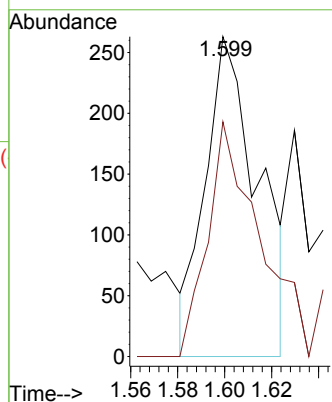
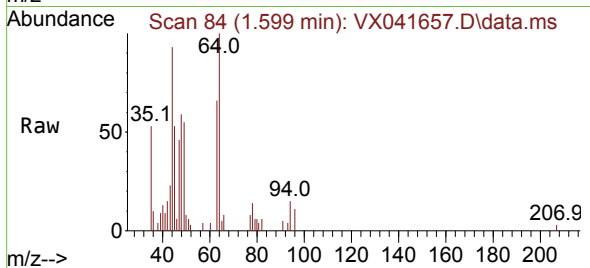
ClientSampleId :

Tgt Ion: 94 Resp: 413

Ion Ratio Lower Upper

94 100

96 91.5 73.9 110.9



#6

Chloroethane

Concen: 0.713 ug/l

RT: 1.648 min Scan# 92

Delta R.T. -0.018 min

Lab File: VX041657.D

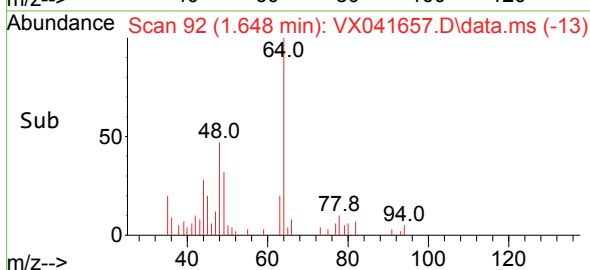
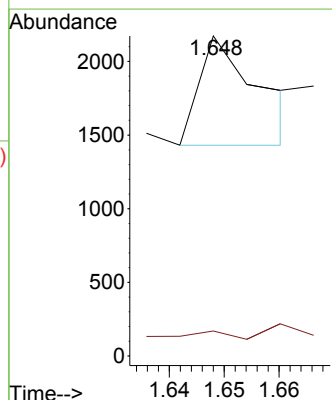
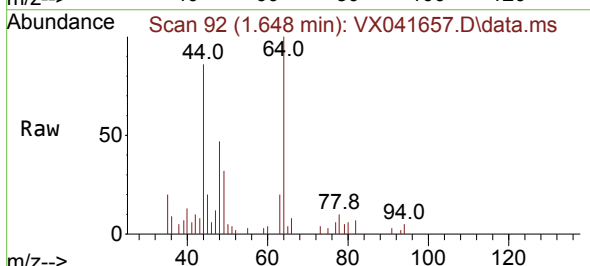
Acq: 28 May 2024 12:02

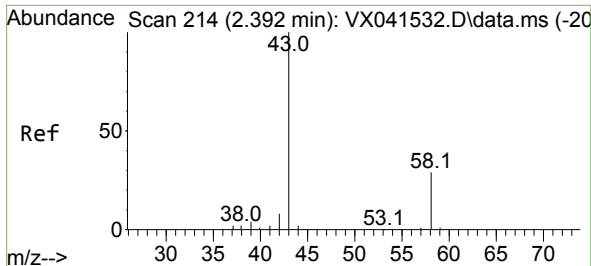
Tgt Ion: 64 Resp: 559

Ion Ratio Lower Upper

64 100

66 4.9 28.6 42.8#

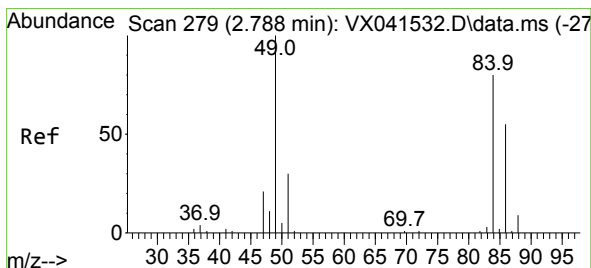
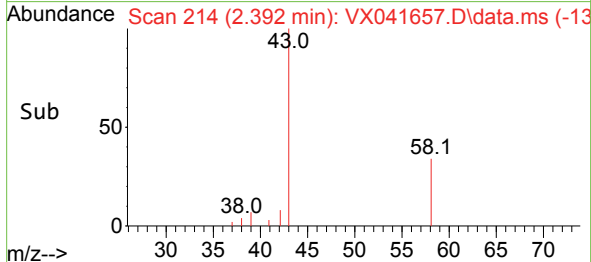
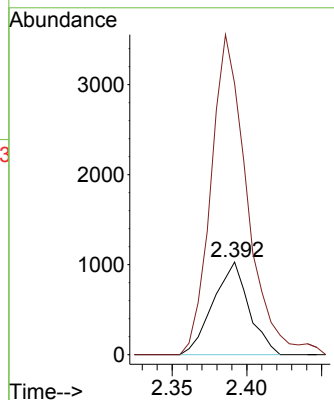
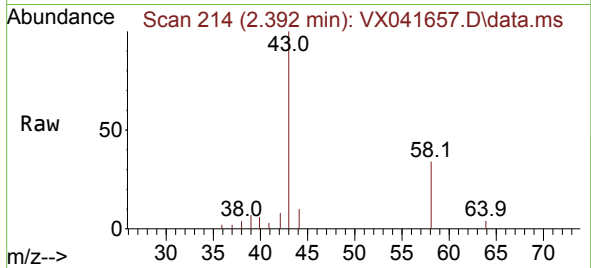




#15
Acetone
Concen: 7.305 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX041657.D
Acq: 28 May 2024 12:02

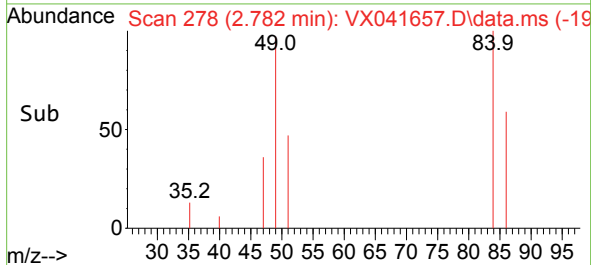
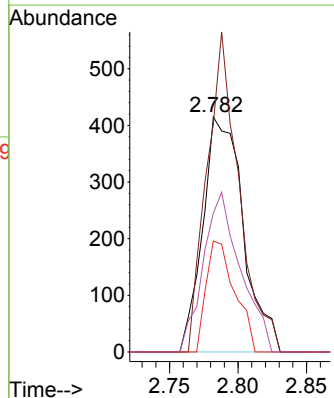
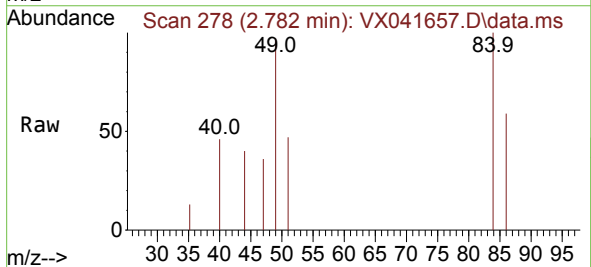
Instrument :
MSVOA_X
ClientSampleId :

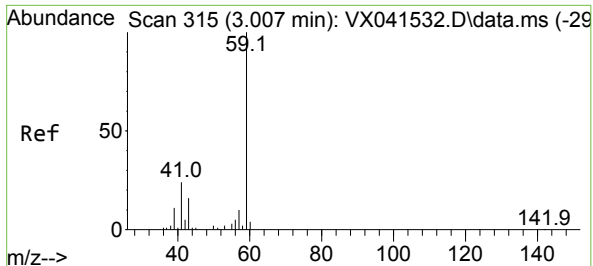
Tgt Ion: 58 Resp: 1706
Ion Ratio Lower Upper
58 100
43 292.6 274.0 411.0



#18
Methylene Chloride
Concen: 0.544 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX041657.D
Acq: 28 May 2024 12:02

Tgt Ion: 84 Resp: 851
Ion Ratio Lower Upper
84 100
49 96.9 99.8 149.8#
51 47.2 30.2 45.4#
86 59.0 54.6 81.8





#23

tert-Butyl Alcohol

Concen: 0.738 ug/l

RT: 2.965 min Scan# 308

Delta R.T. -0.043 min

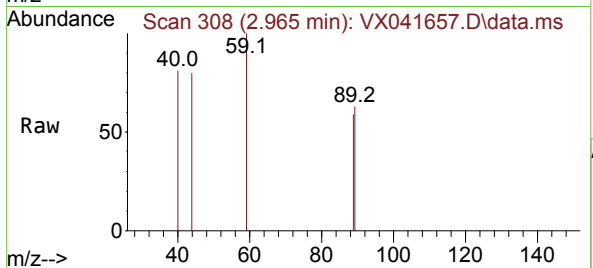
Lab File: VX041657.D

Acq: 28 May 2024 12:02

Instrument :

MSVOA_X

ClientSampleId :

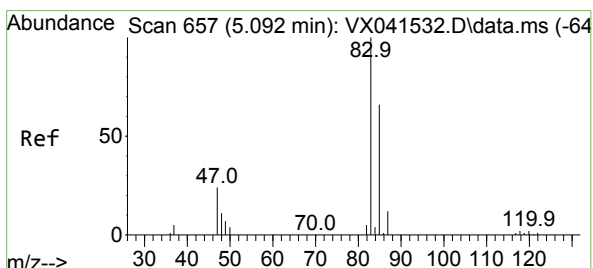
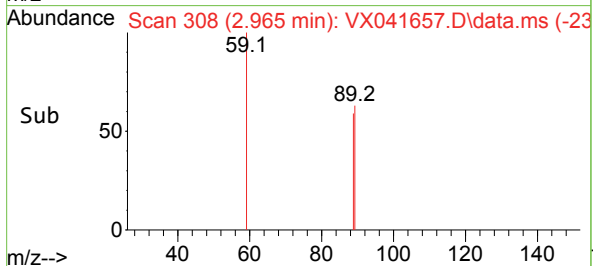
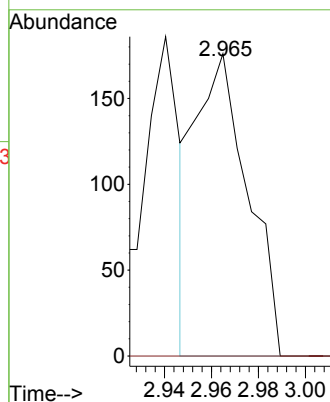


Tgt Ion: 59 Resp: 273

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#25

Chloroform

Concen: 1.748 ug/l

RT: 5.105 min Scan# 659

Delta R.T. 0.012 min

Lab File: VX041657.D

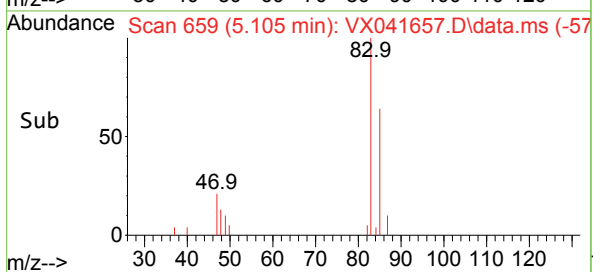
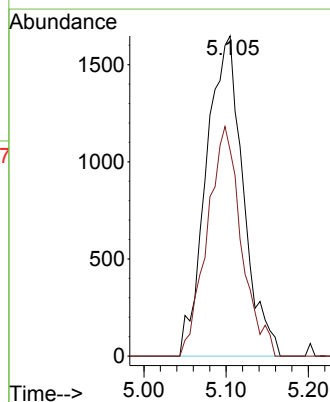
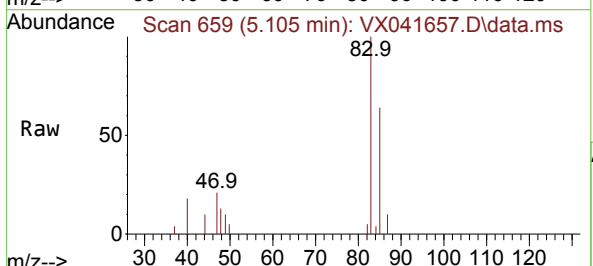
Acq: 28 May 2024 12:02

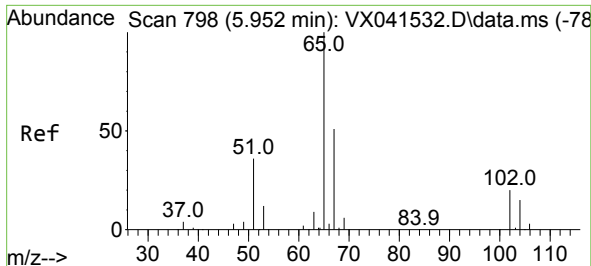
Tgt Ion: 83 Resp: 5129

Ion Ratio Lower Upper

83 100

85 64.3 52.9 79.3





#27

1,2-Dichloroethane-d4

Concen: 30.527 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041657.D

Acq: 28 May 2024 12:02

Instrument :

MSVOA_X

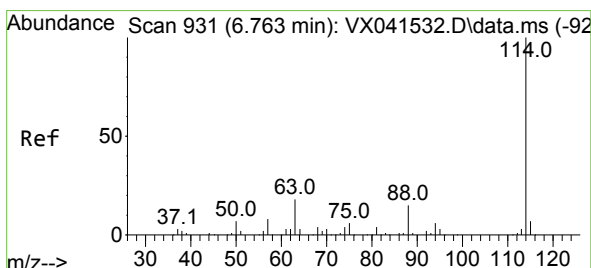
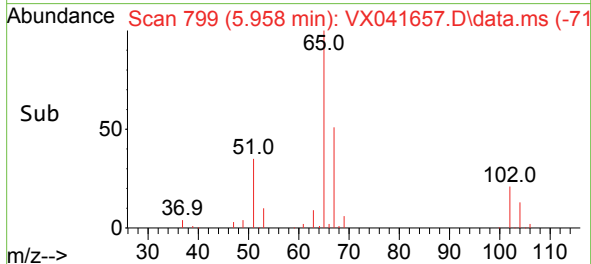
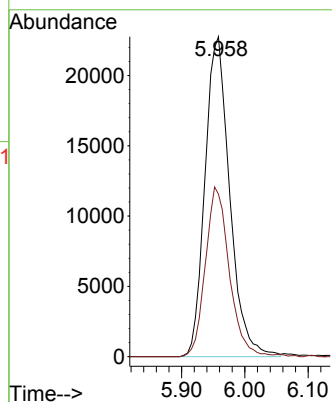
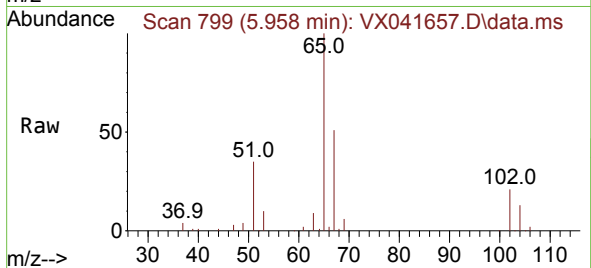
ClientSampleId :

Tgt Ion: 65 Resp: 61848

Ion Ratio Lower Upper

65 100

67 51.2 40.8 61.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX041657.D

Acq: 28 May 2024 12:02

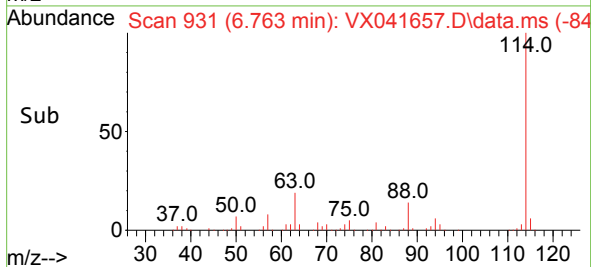
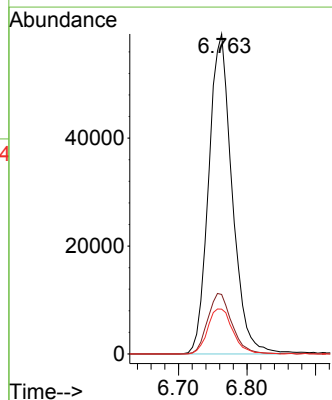
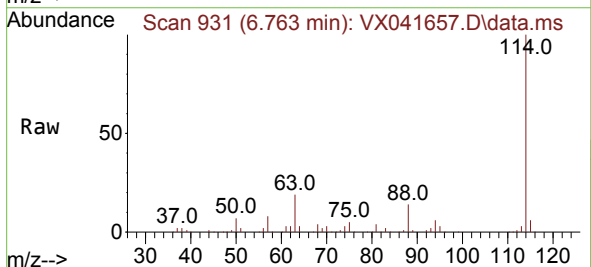
Tgt Ion: 114 Resp: 140851

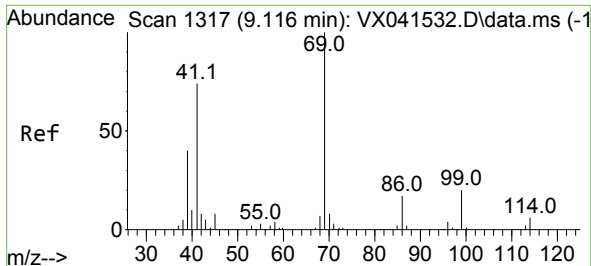
Ion Ratio Lower Upper

114 100

63 19.5 15.4 23.0

88 15.2 12.2 18.2

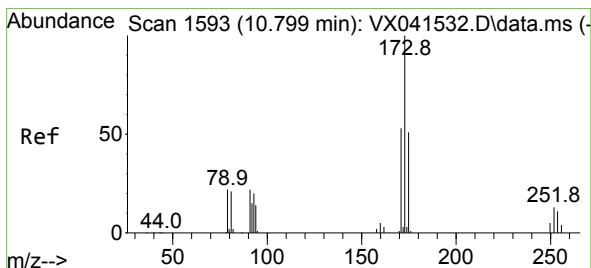
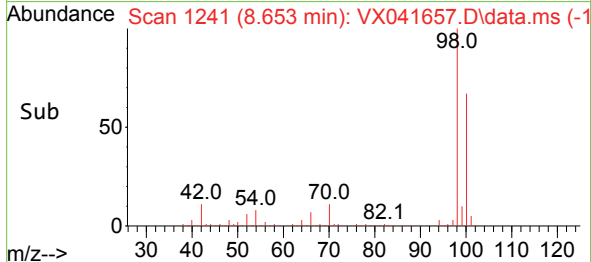
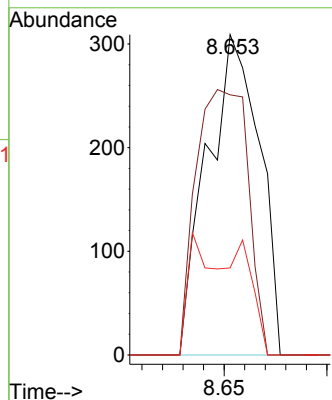
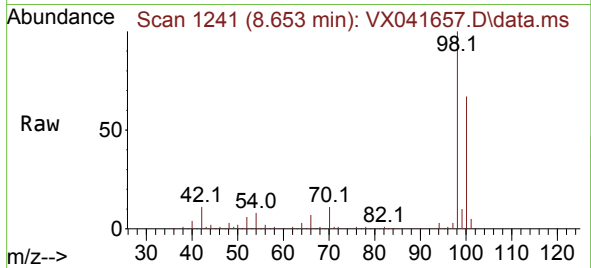




#51
Ethyl methacrylate
Concen: 0.222 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.463 min
Lab File: VX041657.D
Acq: 28 May 2024 12:02

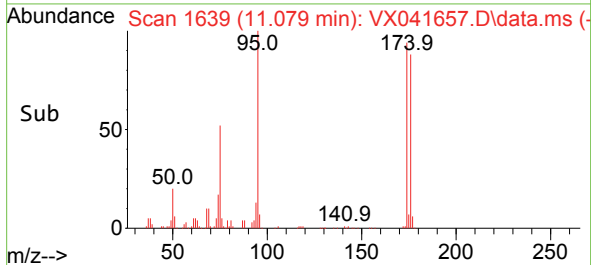
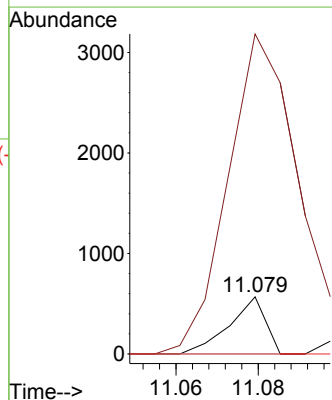
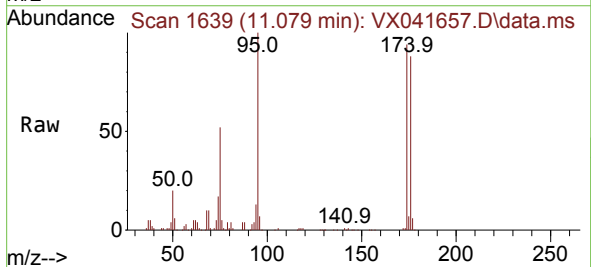
Instrument :
MSVOA_X
ClientSampleId :

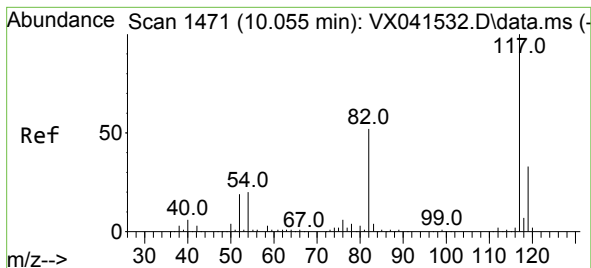
Tgt Ion: 69 Resp: 545
Ion Ratio Lower Upper
69 100
41 81.2 37.1 111.3
39 27.2 20.2 60.6



#56
Bromoform
Concen: 0.251 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX041657.D
Acq: 28 May 2024 12:02

Tgt Ion:173 Resp: 349
Ion Ratio Lower Upper
173 100
175 1126.9 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: VX041657.D

Acq: 28 May 2024 12:02

Instrument :

MSVOA_X

ClientSampleId :

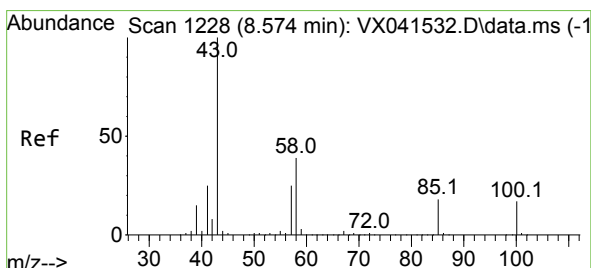
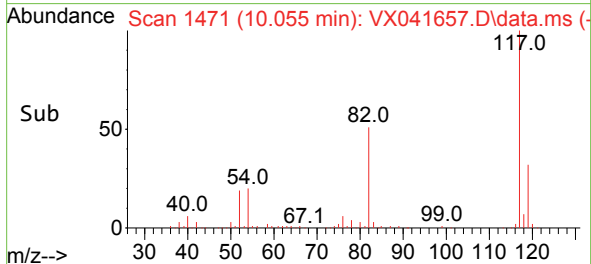
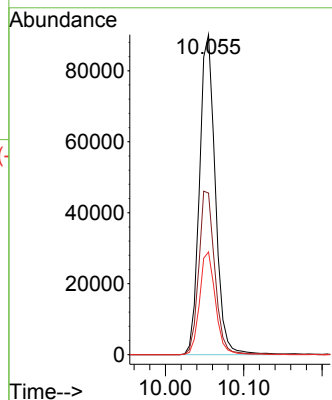
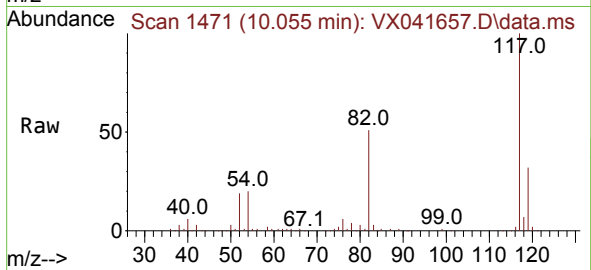
Tgt Ion:117 Resp: 126862

Ion Ratio Lower Upper

117 100

82 51.8 41.7 62.5

119 32.3 25.7 38.5



#58

4-Methyl-2-Pentanone

Concen: 0.361 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.073 min

Lab File: VX041657.D

Acq: 28 May 2024 12:02

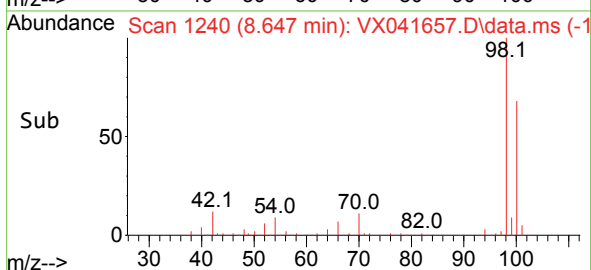
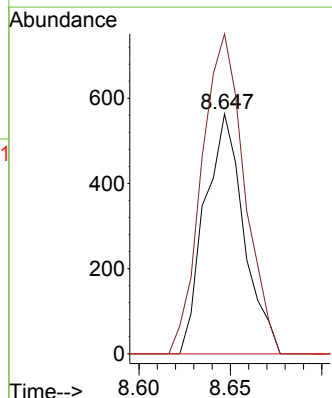
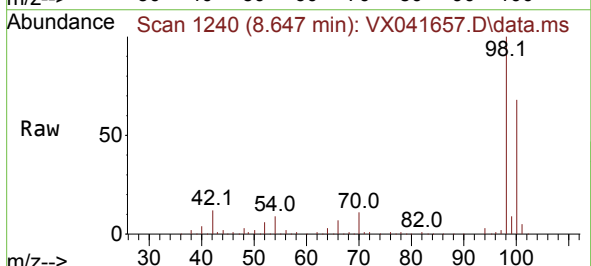
Tgt Ion: 43 Resp: 837

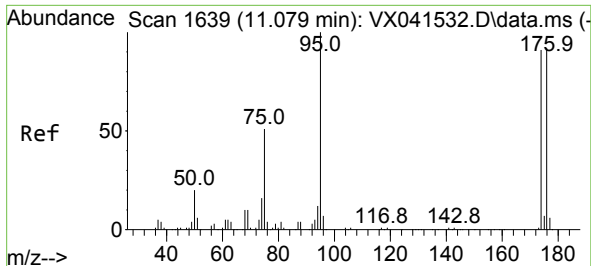
Ion Ratio Lower Upper

43 100

58 146.1 30.2 45.4#

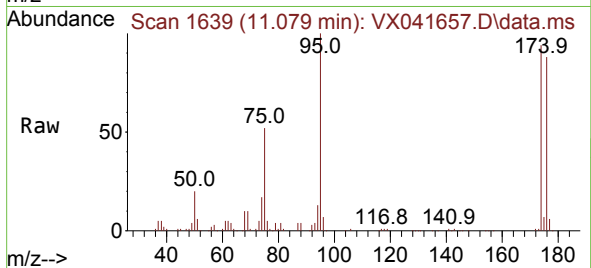
85 0.0 14.6 21.8#



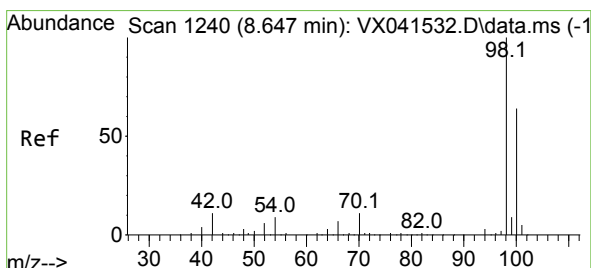
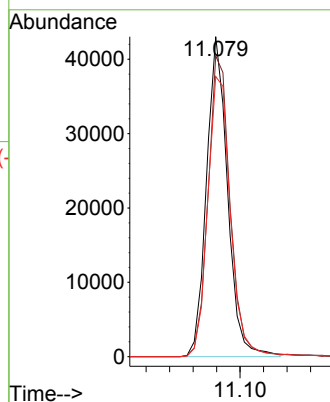
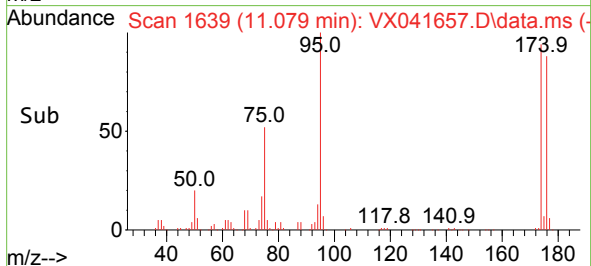


#60
4-Bromofluorobenzene
Concen: 27.021 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX041657.D
Acq: 28 May 2024 12:02

Instrument :
MSVOA_X
ClientSampleId :

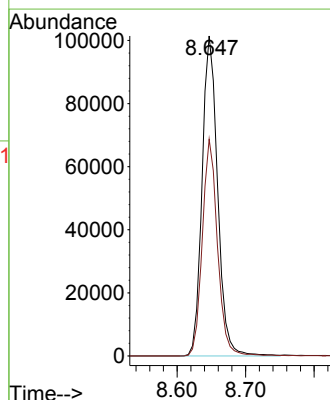
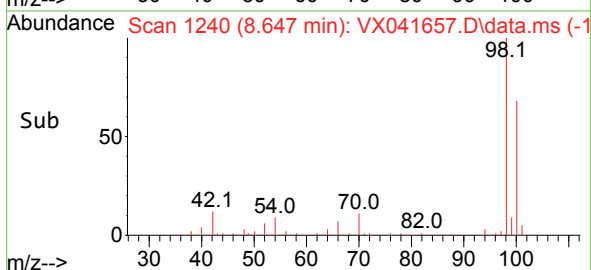
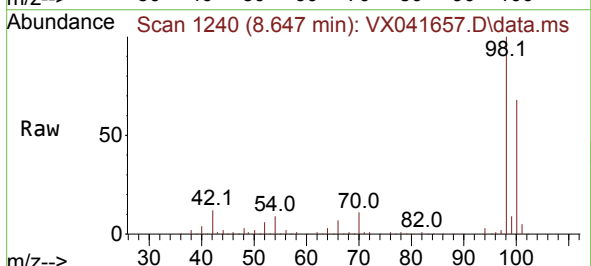


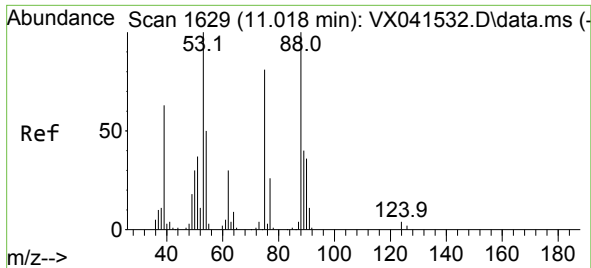
Tgt Ion: 95 Resp: 53513
Ion Ratio Lower Upper
95 100
174 98.9 76.6 115.0
176 95.3 75.4 113.0



#63
Toluene-d8
Concen: 29.490 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041657.D
Acq: 28 May 2024 12:02

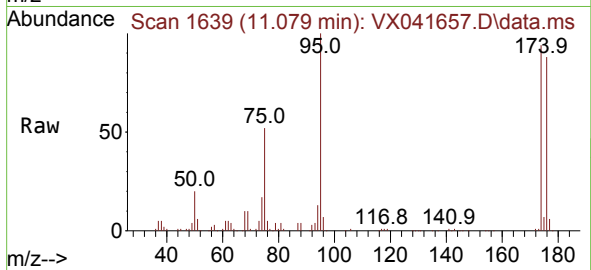
Tgt Ion: 98 Resp: 160368
Ion Ratio Lower Upper
98 100
100 66.0 53.1 79.7





#77
 t-1,4-Dichloro-2-butene
 Concen: 40.655 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041657.D
 Acq: 28 May 2024 12:02

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#

