

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
 Data File : VX041555.D
 Acq On : 16 May 2024 11:48
 Operator : JC/MD
 Sample : P2479-01RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 17 02:37:55 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)

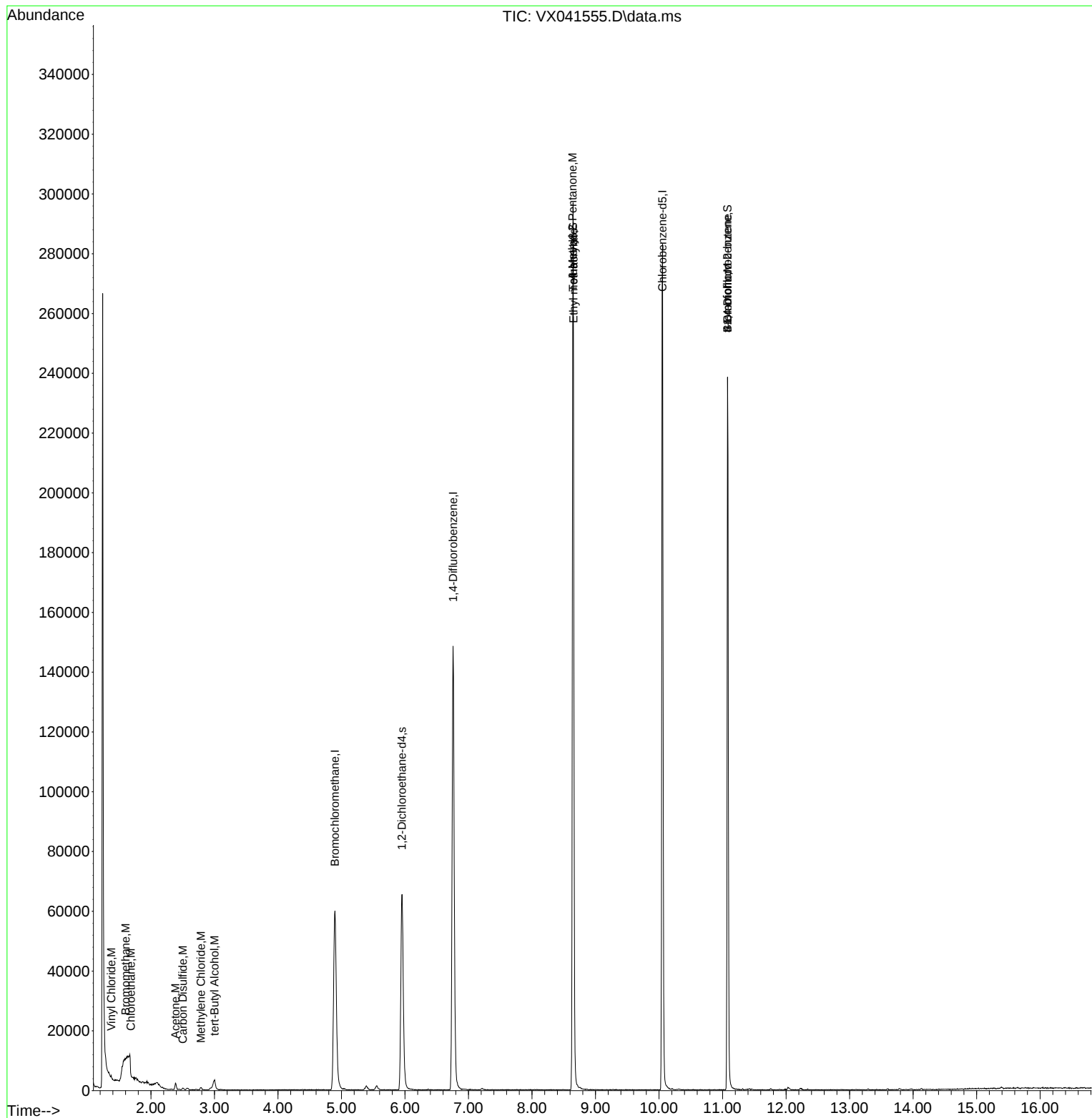
Internal Standards						
1) Bromochloromethane	4.897	128	27958	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	155033	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	138033	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	66829	30.354	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.167%			
60) 4-Bromofluorobenzene	11.079	95	60270	27.970	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 93.233%			
63) Toluene-d8	8.646	98	177163	29.942	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.800%			
Target Compounds						Qvalue
4) Vinyl Chloride	1.373	62	453	0.269	ug/l #	1
5) Bromomethane	1.599	94	250	0.233	ug/l	96
6) Chloroethane	1.684	64	338	0.397	ug/l	96
15) Acetone	2.385	58	691	2.723	ug/l	84
16) Carbon Disulfide	2.501	76	785	0.243	ug/l #	74
18) Methylene Chloride	2.788	84	388	0.228	ug/l #	74
23) tert-Butyl Alcohol	3.001	59	5252	13.067	ug/l #	100
51) Ethyl methacrylate	8.653	69	571	0.212	ug/l	74
56) Bromoform	11.079	173	369	0.241	ug/l #	1
58) 4-Methyl-2-Pentanone	8.640	43	810	0.321	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	30979	41.939	ug/l #	1

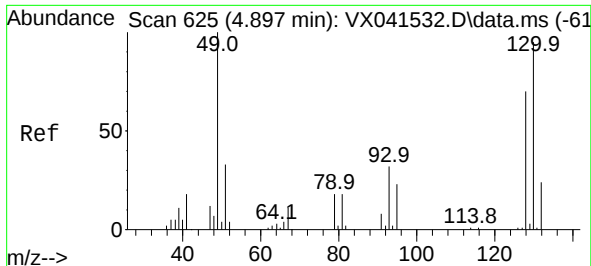
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_X
ClientSampleId :

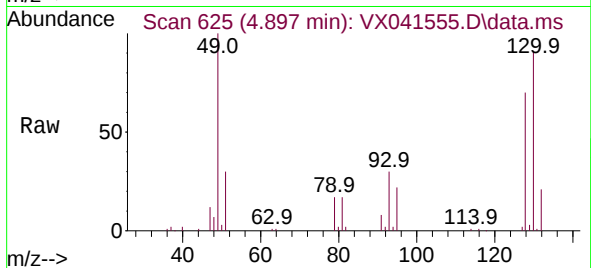
Quant Time: May 17 02:37:55 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
Response via : Initial Calibration



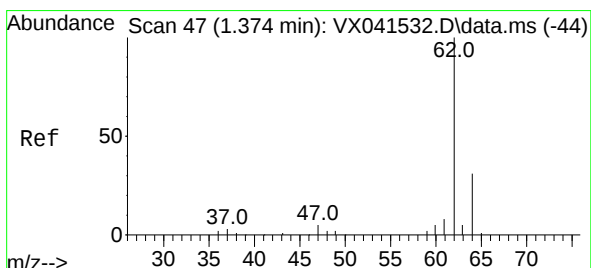
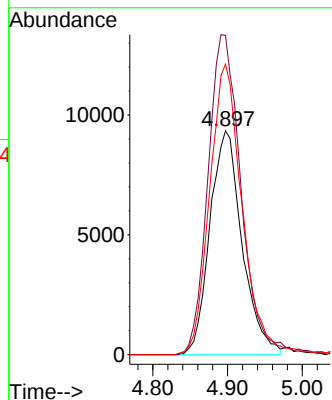
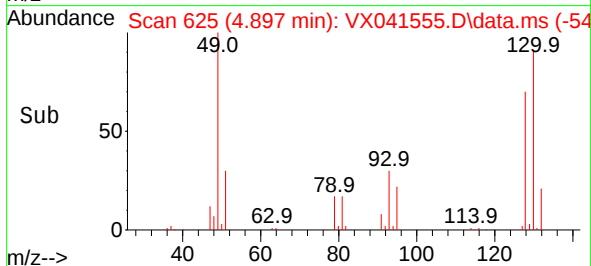


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041555.D
Acq: 16 May 2024 11:48

Instrument :
MSVOA_X
ClientSampleId :

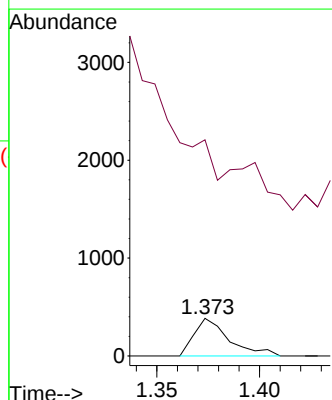
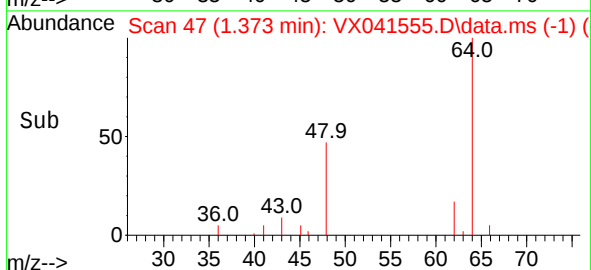
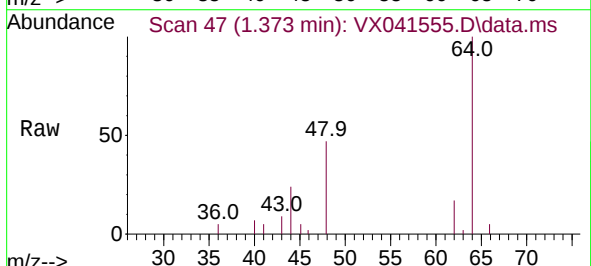


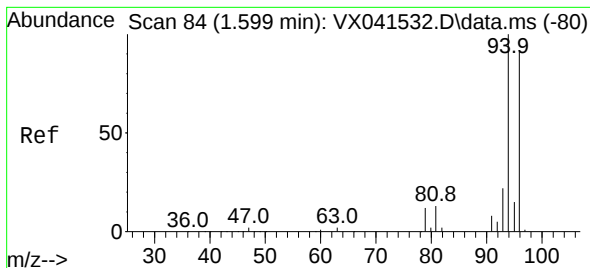
Tgt Ion:128 Resp: 27958
Ion Ratio Lower Upper
128 100
49 146.6 0.0 361.5
130 131.3 0.0 324.3



#4
Vinyl Chloride
Concen: 0.269 ug/l
RT: 1.373 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX041555.D
Acq: 16 May 2024 11:48

Tgt Ion: 62 Resp: 453
Ion Ratio Lower Upper
62 100
64 146.4 24.6 37.0#





#5

Bromomethane

Concen: 0.233 ug/l

RT: 1.599 min Scan# 84

Delta R.T. -0.000 min

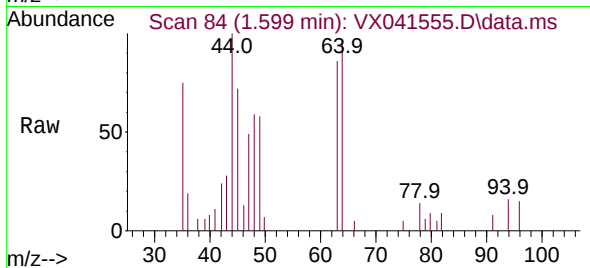
Lab File: VX041555.D

Acq: 16 May 2024 11:48

Instrument :

MSVOA_X

ClientSampleId :

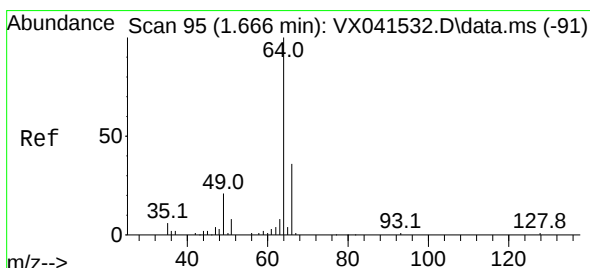
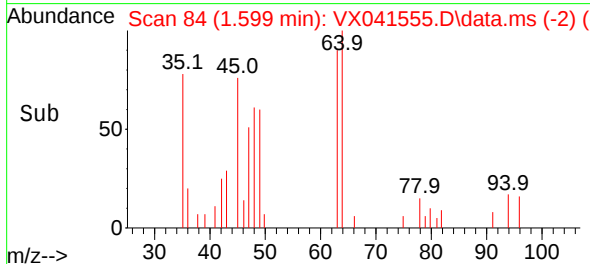
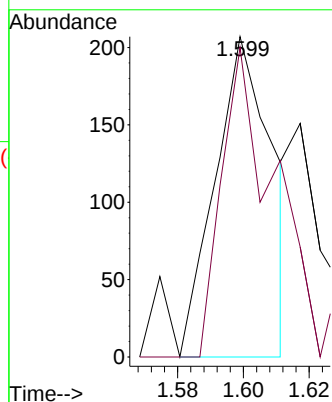


Tgt Ion: 94 Resp: 250

Ion Ratio Lower Upper

94 100

96 96.6 73.9 110.9



#6

Chloroethane

Concen: 0.397 ug/l

RT: 1.684 min Scan# 98

Delta R.T. 0.018 min

Lab File: VX041555.D

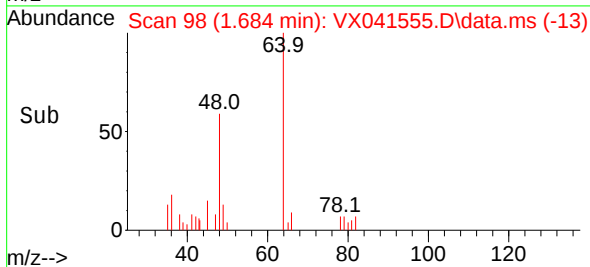
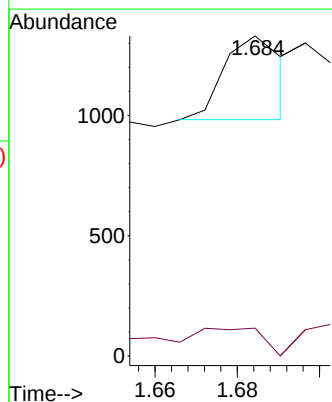
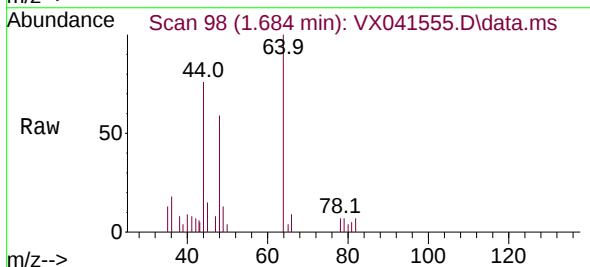
Acq: 16 May 2024 11:48

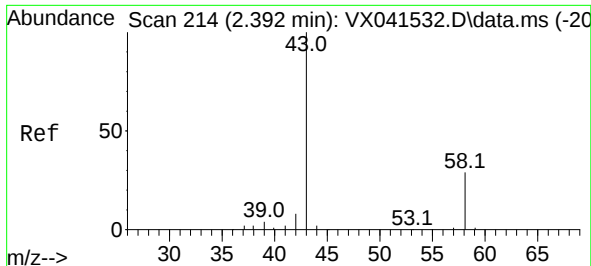
Tgt Ion: 64 Resp: 338

Ion Ratio Lower Upper

64 100

66 33.3 28.6 42.8

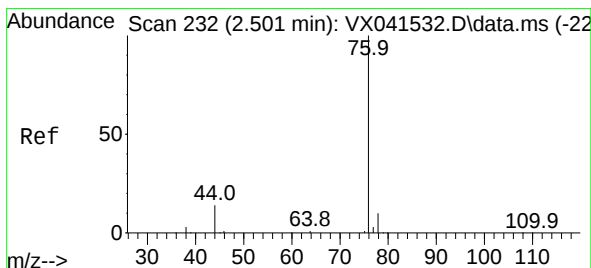
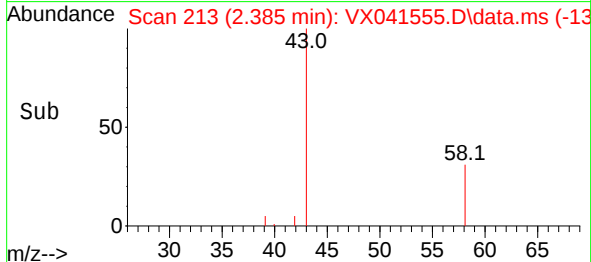
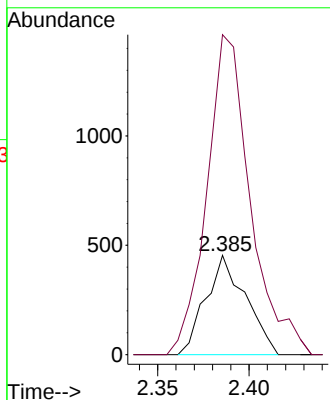
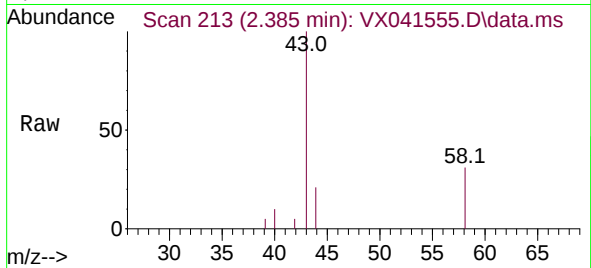




#15
Acetone
Concen: 2.723 ug/l
RT: 2.385 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX041555.D
Acq: 16 May 2024 11:48

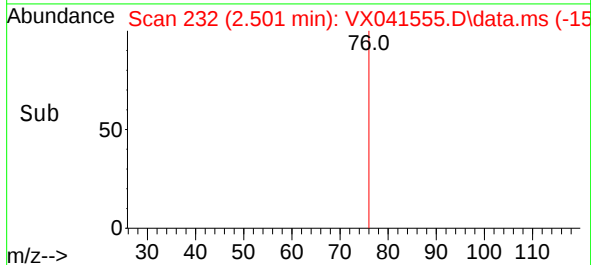
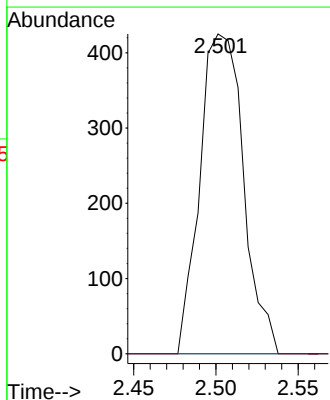
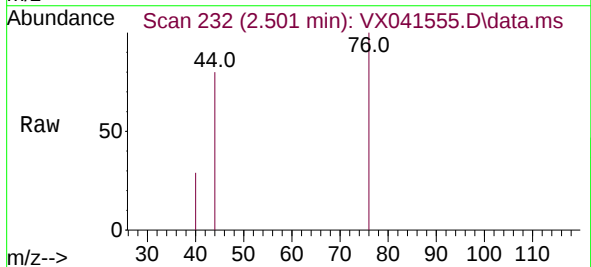
Instrument :
MSVOA_X
ClientSampleId :

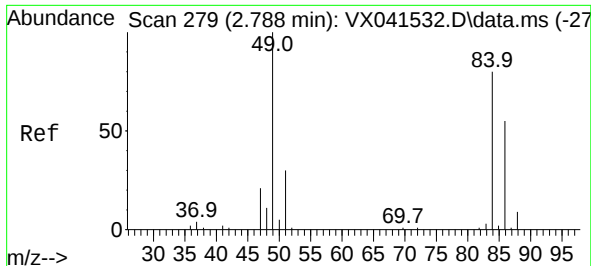
Tgt Ion: 58 Resp: 691
Ion Ratio Lower Upper
58 100
43 307.7 274.0 411.0



#16
Carbon Disulfide
Concen: 0.243 ug/l
RT: 2.501 min Scan# 232
Delta R.T. -0.000 min
Lab File: VX041555.D
Acq: 16 May 2024 11:48

Tgt Ion: 76 Resp: 785
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#





#18

Methylene Chloride

Concen: 0.228 ug/l

RT: 2.788 min Scan# 21

Delta R.T. -0.000 min

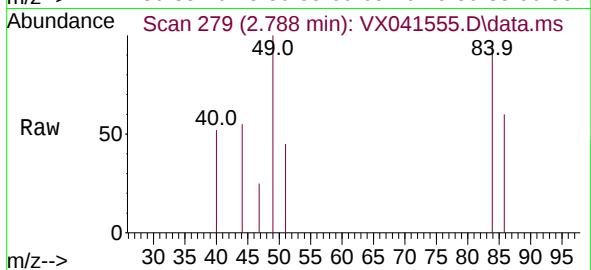
Lab File: VX041555.D

Acq: 16 May 2024 11:48

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 388

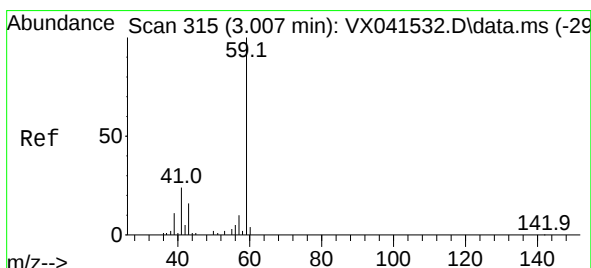
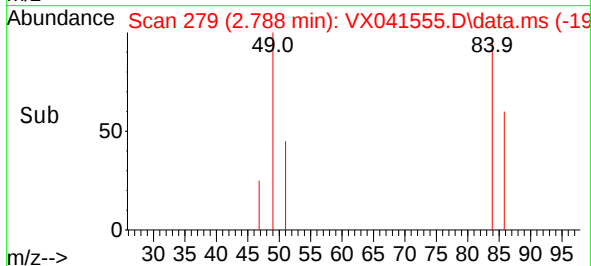
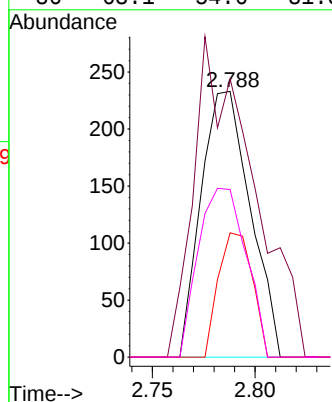
Ion Ratio Lower Upper

84 100

49 78.5 99.8 149.8#

51 46.8 30.2 45.4#

86 63.1 54.6 81.8



#23

tert-Butyl Alcohol

Concen: 13.067 ug/l

RT: 3.001 min Scan# 314

Delta R.T. -0.006 min

Lab File: VX041555.D

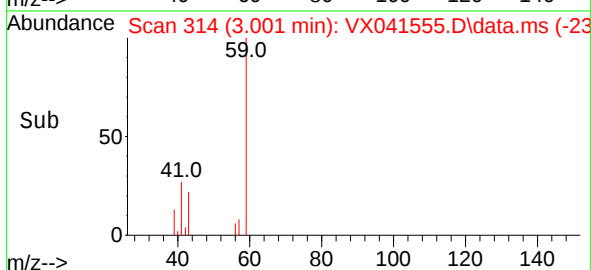
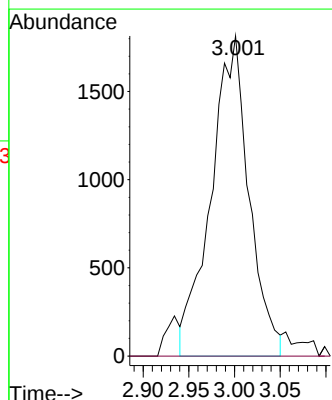
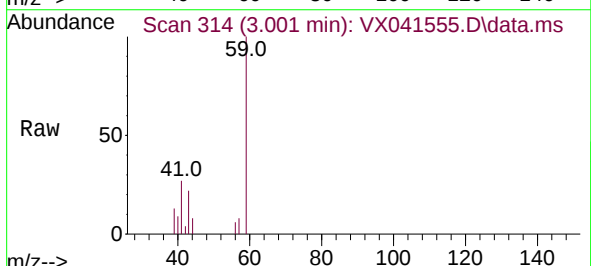
Acq: 16 May 2024 11:48

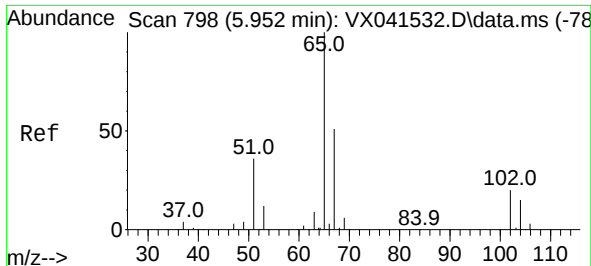
Tgt Ion: 59 Resp: 5252

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 30.354 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX041555.D

Acq: 16 May 2024 11:48

Instrument :

MSVOA_X

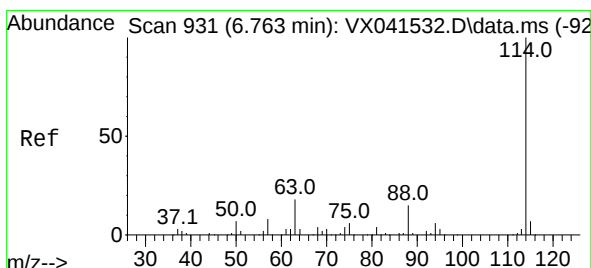
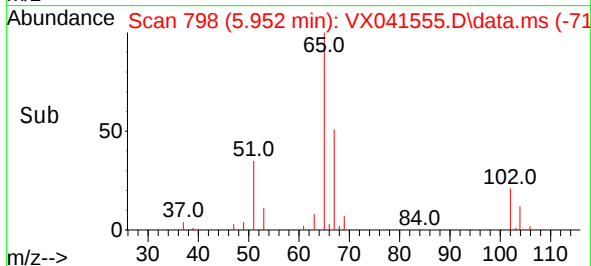
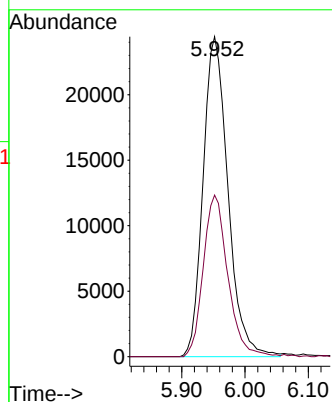
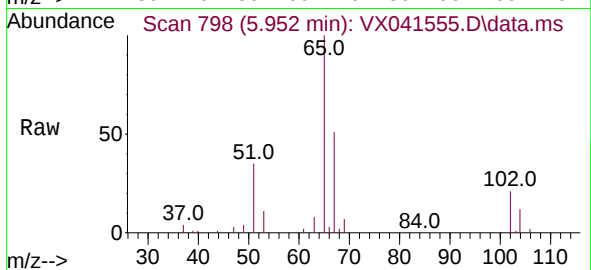
ClientSampleId :

Tgt Ion: 65 Resp: 66829

Ion Ratio Lower Upper

65 100

67 49.8 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: VX041555.D

Acq: 16 May 2024 11:48

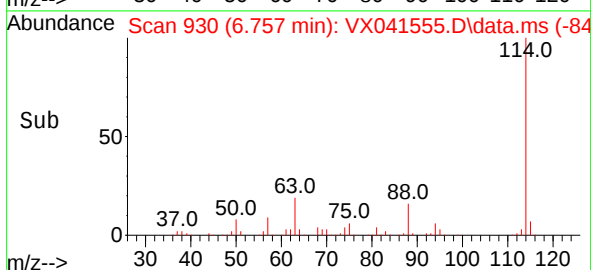
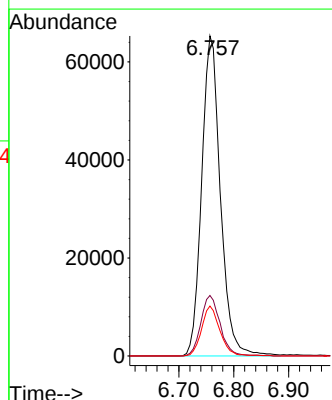
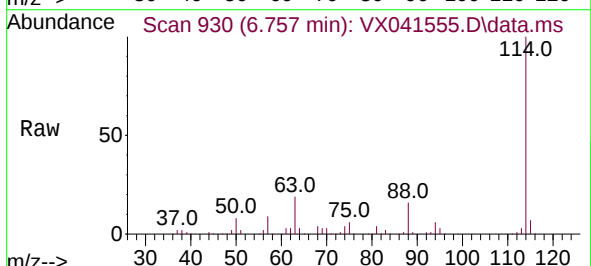
Tgt Ion: 114 Resp: 155033

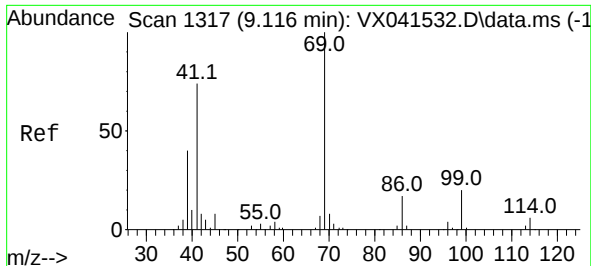
Ion Ratio Lower Upper

114 100

63 19.3 15.4 23.0

88 15.0 12.2 18.2





#51

Ethyl methacrylate

Concen: 0.212 ug/l

RT: 8.653 min Scan# 1639

Delta R.T. -0.464 min MSVOA_X

Lab File: VX041555.D

Acq: 16 May 2024 11:48

Instrument :

MSVOA_X

ClientSampleId :

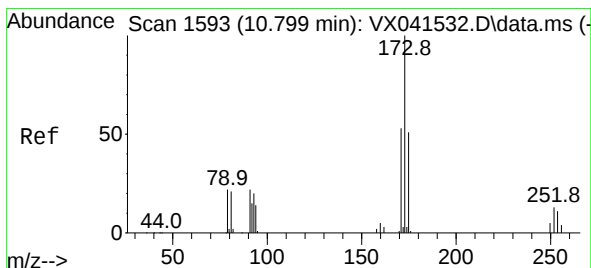
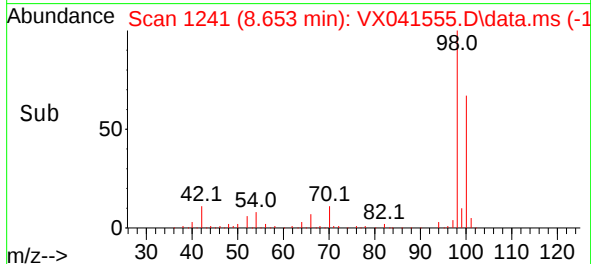
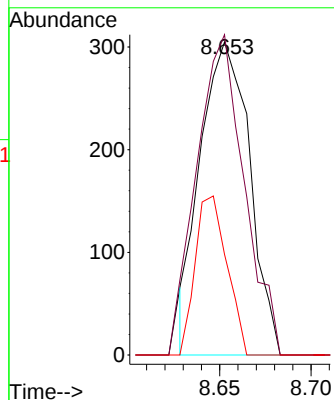
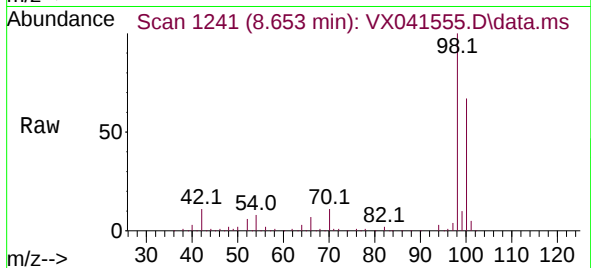
Tgt Ion: 69 Resp: 571

Ion Ratio Lower Upper

69 100

41 102.3 37.1 111.3

39 32.1 20.2 60.6



#56

Bromoform

Concen: 0.241 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.280 min

Lab File: VX041555.D

Acq: 16 May 2024 11:48

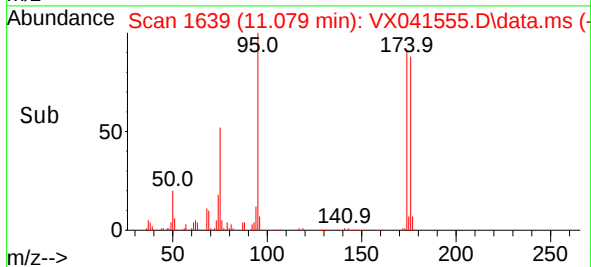
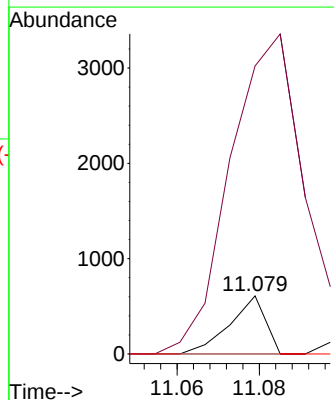
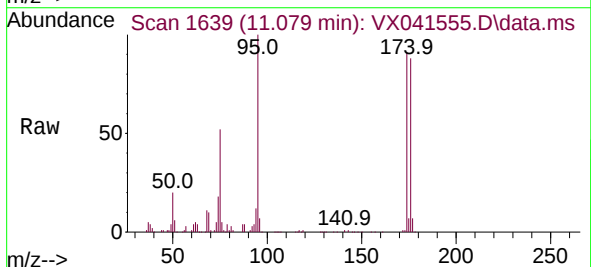
Tgt Ion:173 Resp: 369

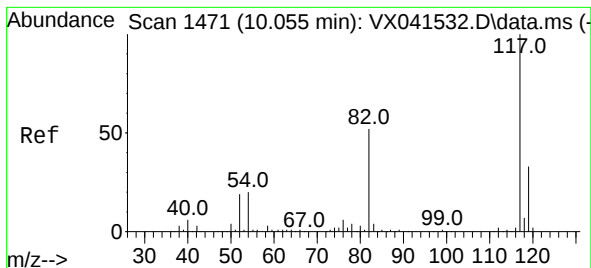
Ion Ratio Lower Upper

173 100

175 1184.8 39.0 58.6#

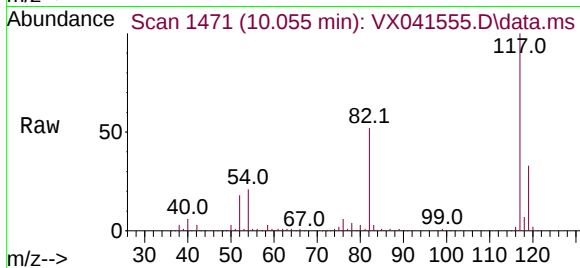
254 0.0 10.3 15.5#



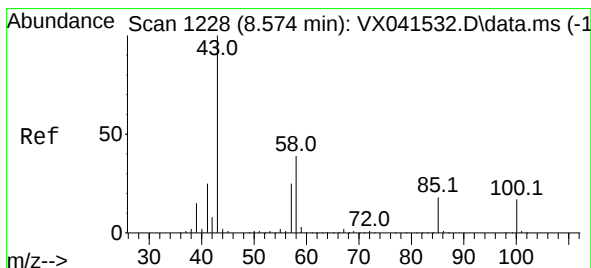
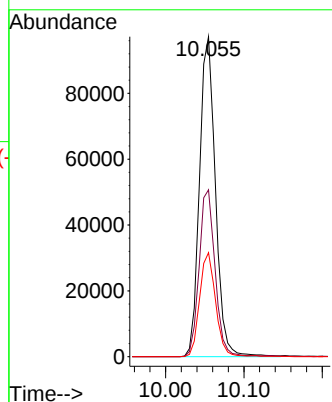
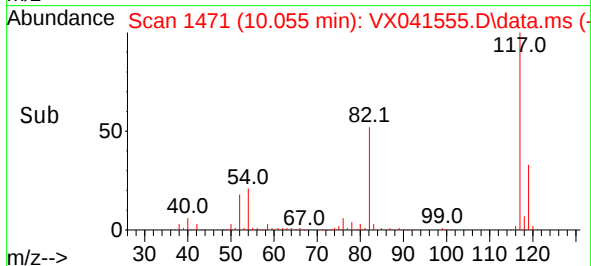


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX041555.D
Acq: 16 May 2024 11:48

Instrument :
MSVOA_X
ClientSampleId :

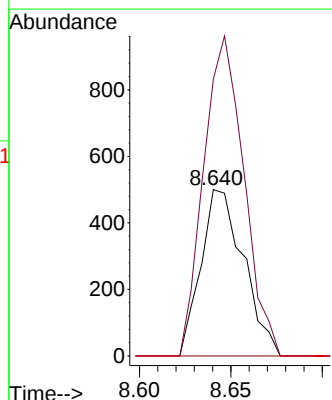
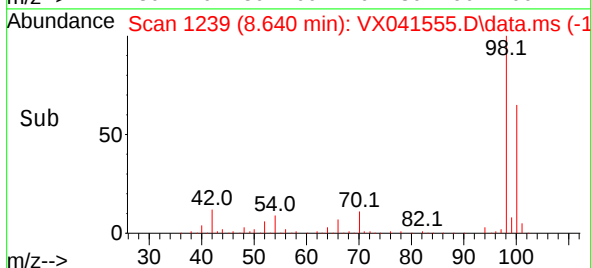
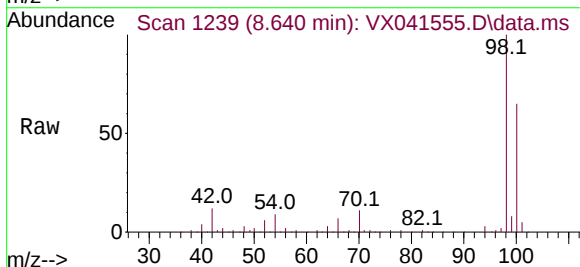


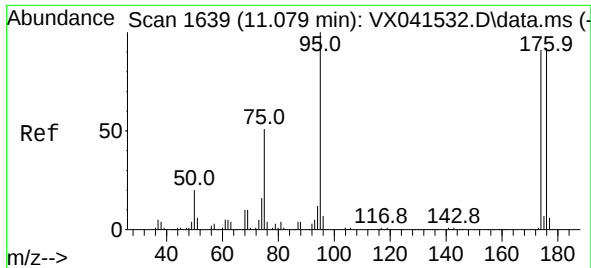
Tgt Ion:117 Resp: 138033
Ion Ratio Lower Upper
117 100
82 52.0 41.7 62.5
119 32.4 25.7 38.5



#58
4-Methyl-2-Pentanone
Concen: 0.321 ug/l
RT: 8.640 min Scan# 1239
Delta R.T. 0.067 min
Lab File: VX041555.D
Acq: 16 May 2024 11:48

Tgt Ion: 43 Resp: 810
Ion Ratio Lower Upper
43 100
58 182.3 30.2 45.4#
85 0.0 14.6 21.8#

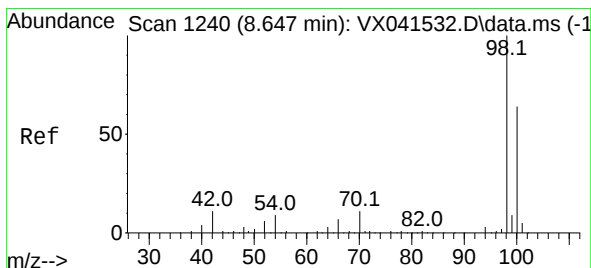
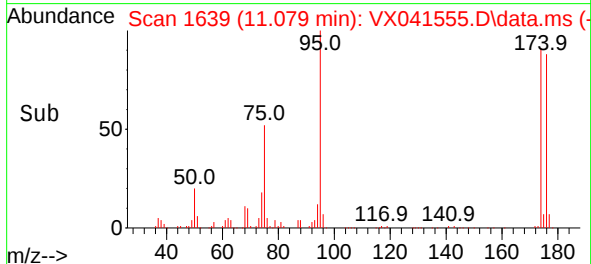
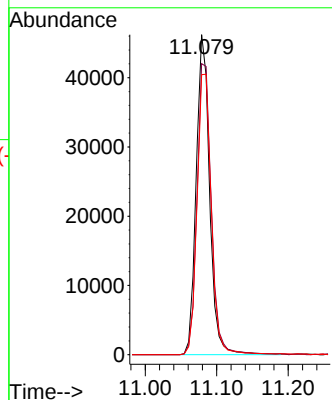
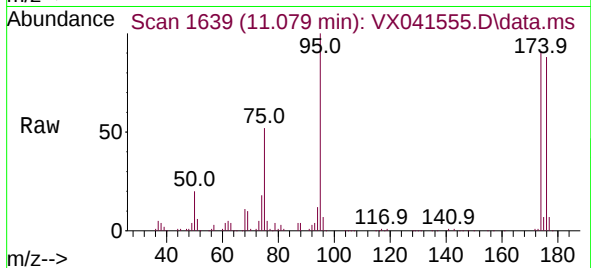




#60
4-Bromofluorobenzene
Concen: 27.970 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041555.D
Acq: 16 May 2024 11:48

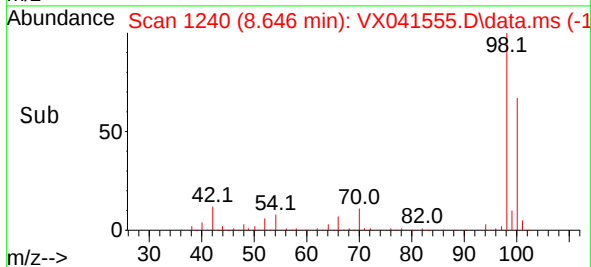
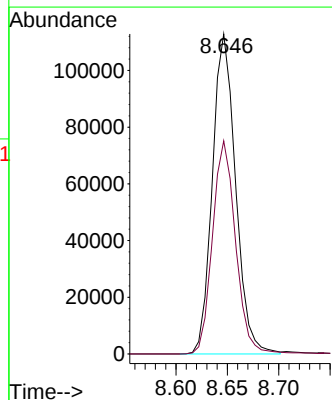
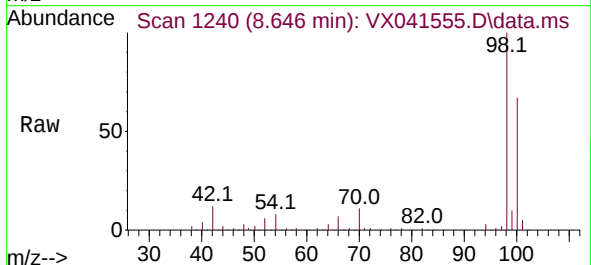
Instrument :
MSVOA_X
ClientSampleId :

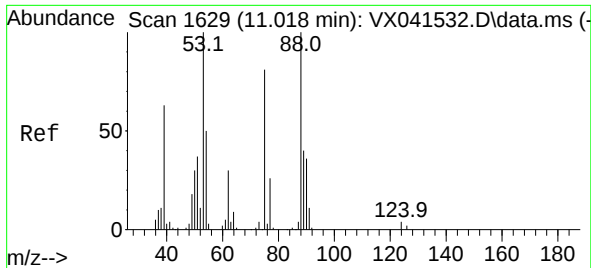
Tgt Ion: 95 Resp: 60270
Ion Ratio Lower Upper
95 100
174 96.7 76.6 115.0
176 92.8 75.4 113.0



#63
Toluene-d8
Concen: 29.942 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX041555.D
Acq: 16 May 2024 11:48

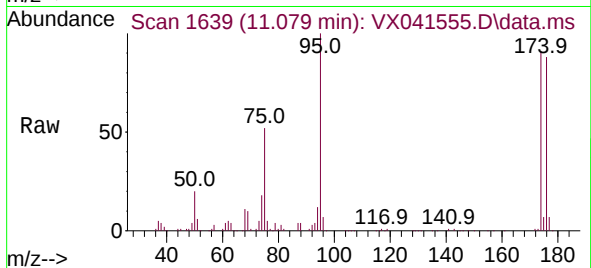
Tgt Ion: 98 Resp: 177163
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7





#77
t-1,4-Dichloro-2-butene
Concen: 41.939 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX041555.D
Acq: 16 May 2024 11:48

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 30979
Ion Ratio Lower Upper
75 100
53 0.0 61.8 185.3#
89 0.0 24.9 74.7#

