

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
 Data File : VX041562.D
 Acq On : 16 May 2024 14:43
 Operator : JC/MD
 Sample : P2508-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 17 02:39:59 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)

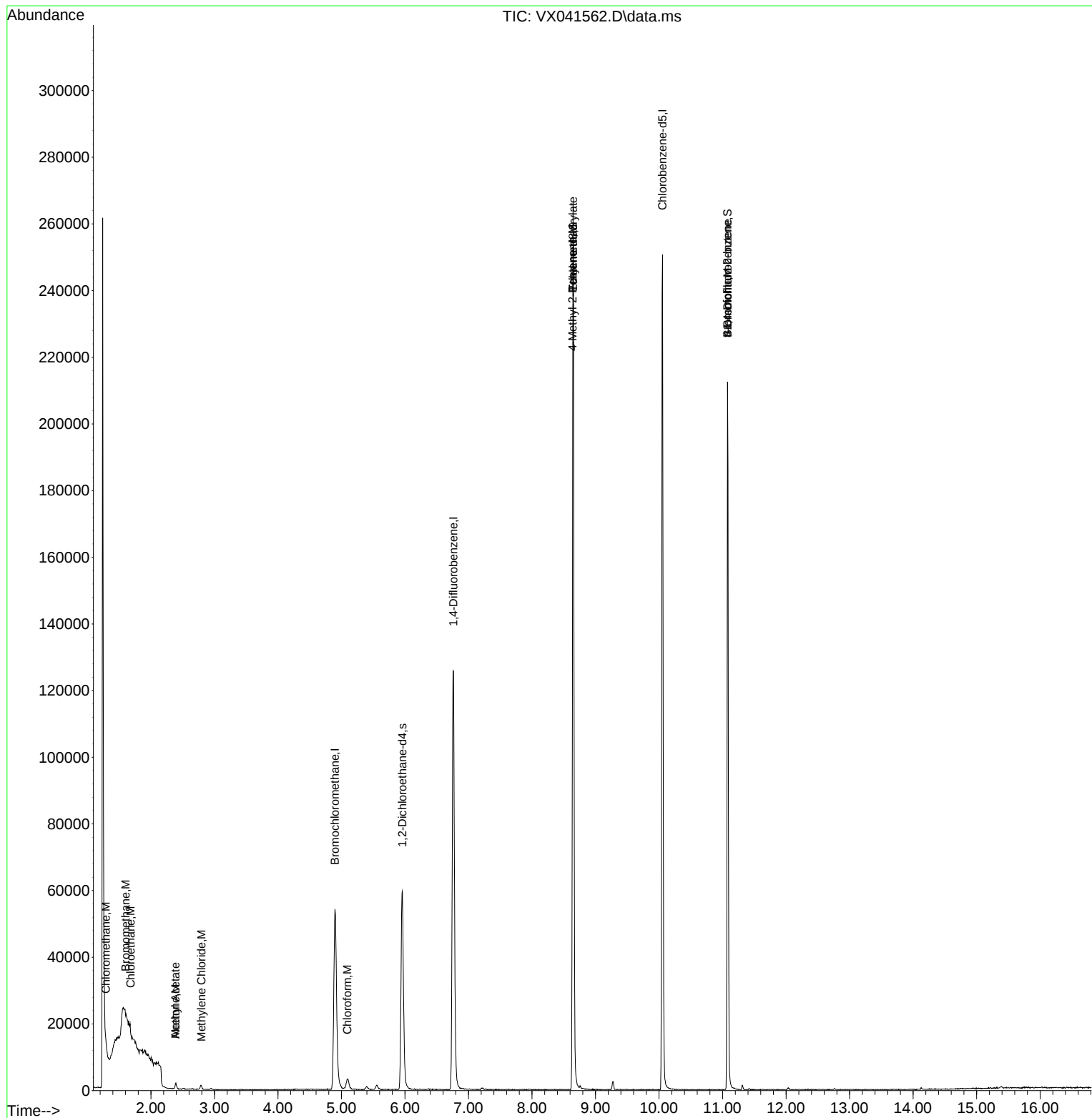
Internal Standards						
1) Bromochloromethane	4.897	128	25424	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	137639	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	123669	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	60611	30.273	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.900%
60) 4-Bromofluorobenzene	11.079	95	52885	27.394	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.300%
63) Toluene-d8	8.647	98	158473	29.894	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.633%
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	412	0.283	ug/l #	42
5) Bromomethane	1.599	94	234	0.240	ug/l	86
6) Chloroethane	1.678	64	2619	3.379	ug/l #	46
12) Methyl Acetate	2.386	43	2090	1.067	ug/l #	50
15) Acetone	2.386	58	559	2.422	ug/l	91
18) Methylene Chloride	2.794	84	585	0.378	ug/l #	70
25) Chloroform	5.092	83	3993	1.377	ug/l #	83
51) Ethyl methacrylate	8.647	69	497	0.207	ug/l	94
56) Bromoform	11.079	173	274	0.202	ug/l #	1
58) 4-Methyl-2-Pentanone	8.641	43	705	0.312	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	26741	40.406	ug/l #	1

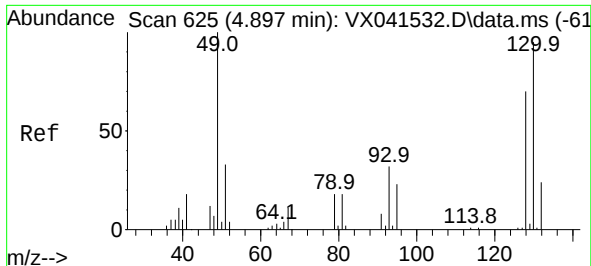
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051624\
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ClientSampleId :

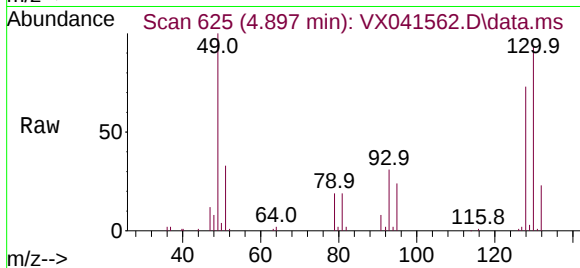
Quant Time: May 17 02:39:59 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
Response via : Initial Calibration



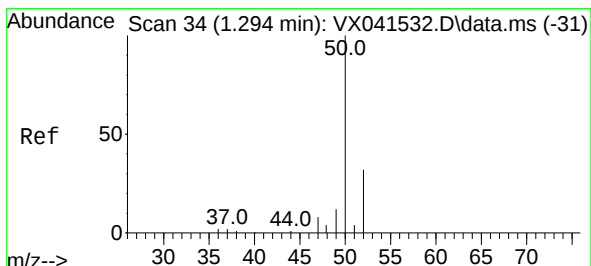
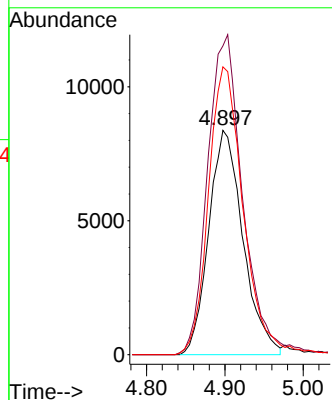
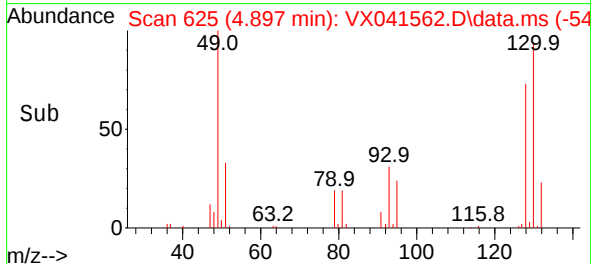


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041562.D
Acq: 16 May 2024 14:43

Instrument :
MSVOA_X
ClientSampleId :

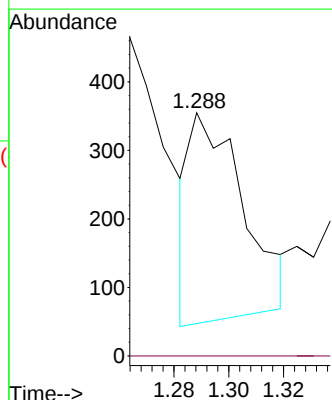
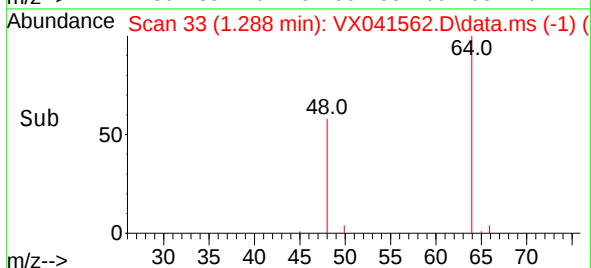
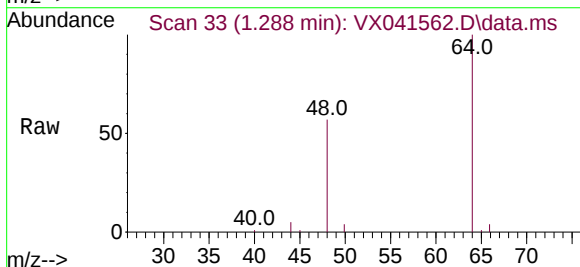


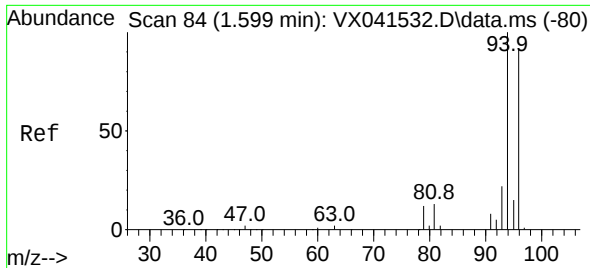
Tgt Ion:128 Resp: 25424
Ion Ratio Lower Upper
128 100
49 147.1 0.0 361.5
130 130.1 0.0 324.3



#3
Chloromethane
Concen: 0.283 ug/l
RT: 1.288 min Scan# 33
Delta R.T. -0.006 min
Lab File: VX041562.D
Acq: 16 May 2024 14:43

Tgt Ion: 50 Resp: 412
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

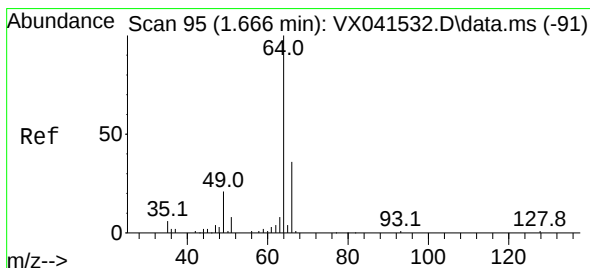
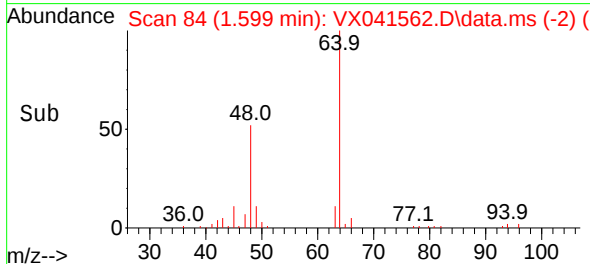
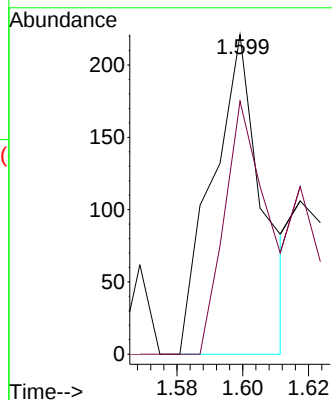
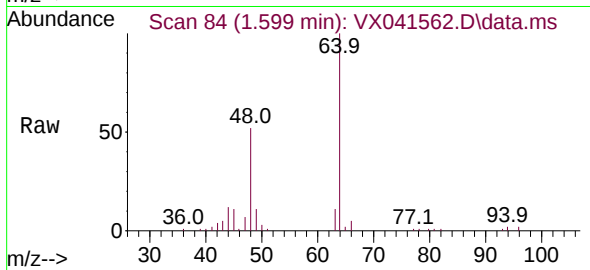




#5
Bromomethane
Concen: 0.240 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041562.D
Acq: 16 May 2024 14:43

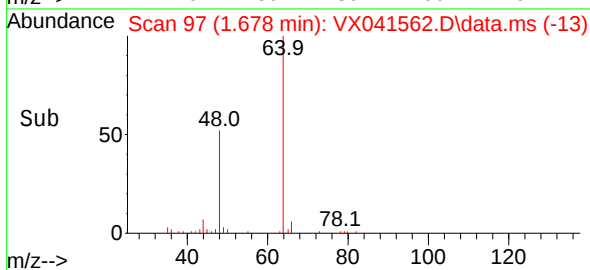
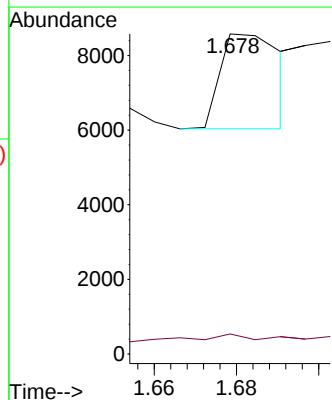
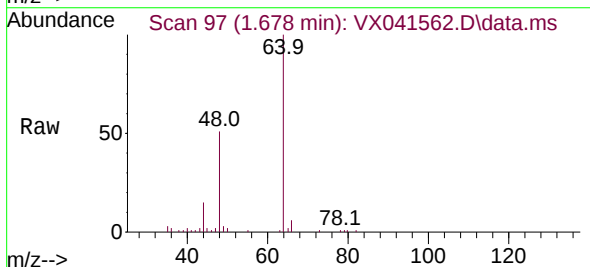
Instrument :
MSVOA_X
ClientSampleId :

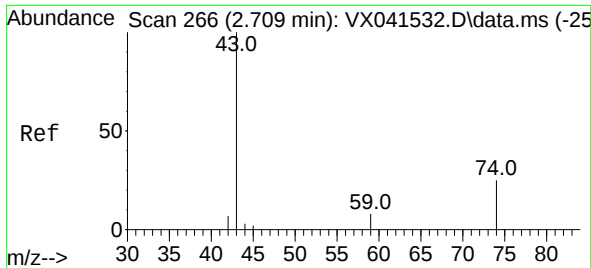
Tgt Ion: 94 Resp: 234
Ion Ratio Lower Upper
94 100
96 79.2 73.9 110.9



#6
Chloroethane
Concen: 3.379 ug/l
RT: 1.678 min Scan# 97
Delta R.T. 0.012 min
Lab File: VX041562.D
Acq: 16 May 2024 14:43

Tgt Ion: 64 Resp: 2619
Ion Ratio Lower Upper
64 100
66 4.0 28.6 42.8#





#12

Methyl Acetate

Concen: 1.067 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.323 min

Lab File: VX041562.D

Acq: 16 May 2024 14:43

Instrument :

MSVOA_X

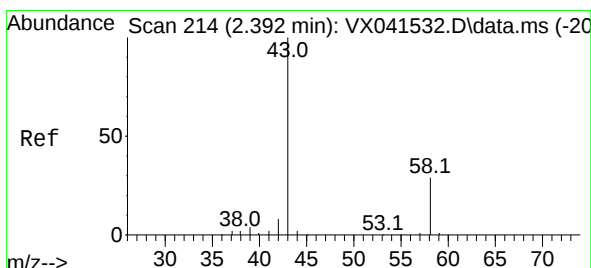
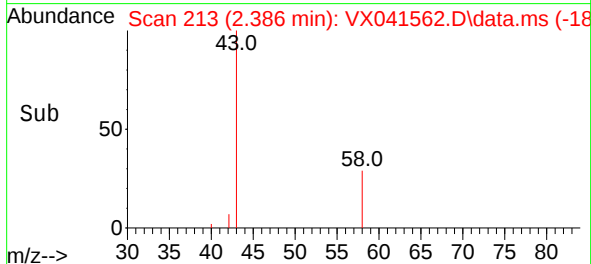
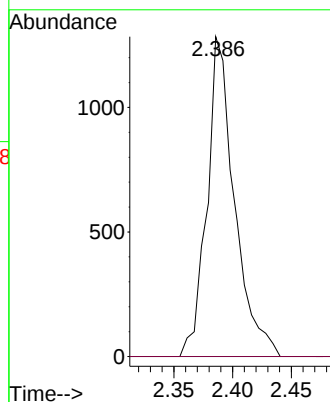
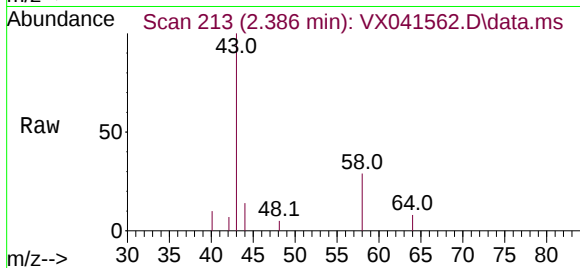
ClientSampleId :

Tgt Ion: 43 Resp: 2090

Ion Ratio Lower Upper

43 100

74 0.0 19.9 29.9#



#15

Acetone

Concen: 2.422 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.006 min

Lab File: VX041562.D

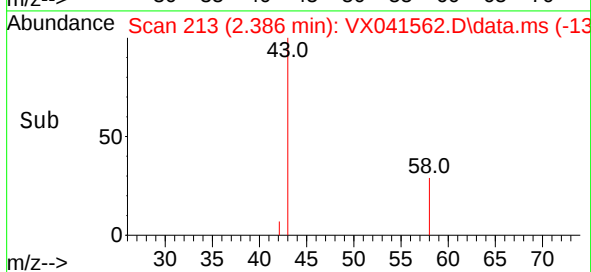
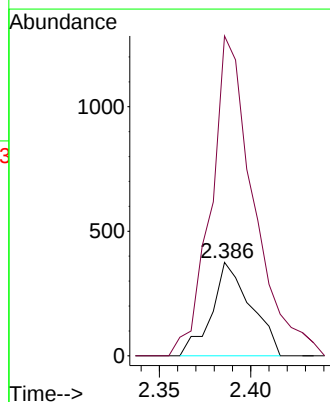
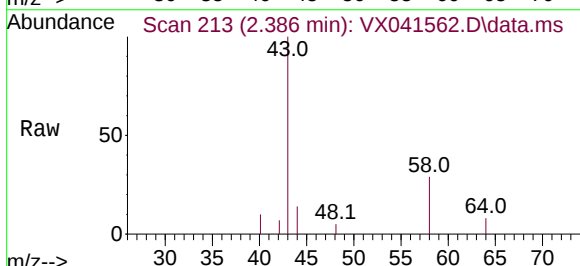
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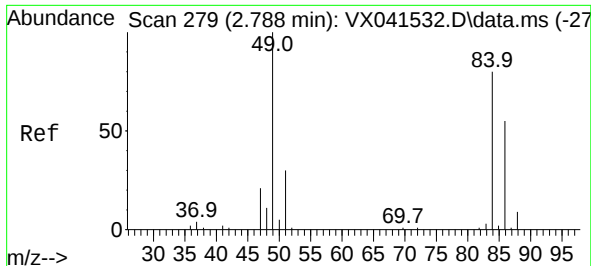
Tgt Ion: 58 Resp: 559

Ion Ratio Lower Upper

58 100

43 322.4 274.0 411.0





#18

Methylene Chloride

Concen: 0.378 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

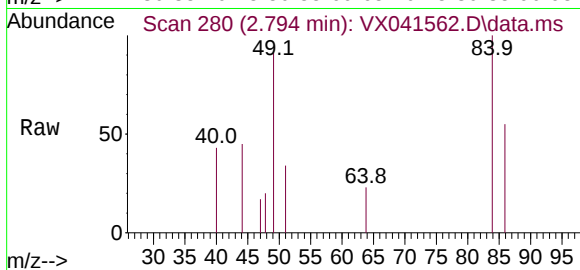
Lab File: VX041562.D

Acq: 16 May 2024 14:43

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 585

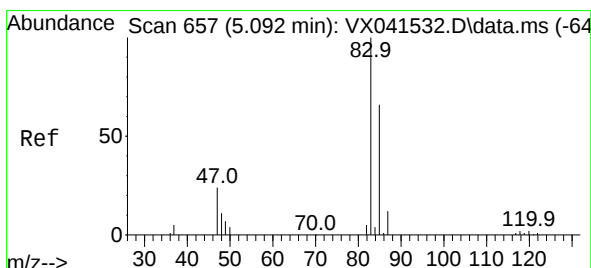
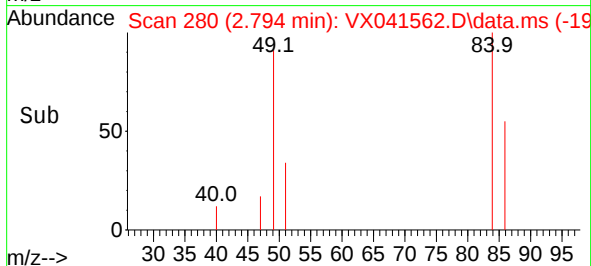
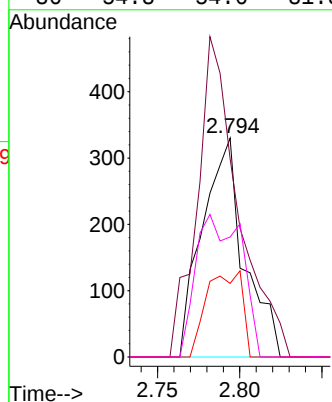
Ion Ratio Lower Upper

84 100

49 75.2 99.8 149.8#

51 33.6 30.2 45.4

86 54.8 54.6 81.8



#25

Chloroform

Concen: 1.377 ug/l

RT: 5.092 min Scan# 657

Delta R.T. 0.000 min

Lab File: VX041562.D

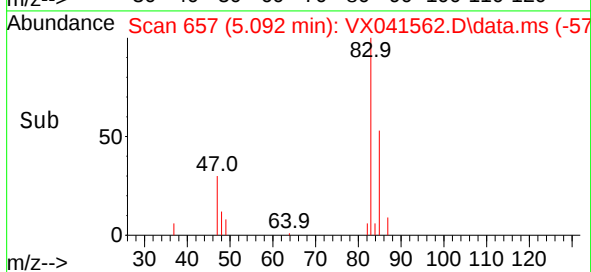
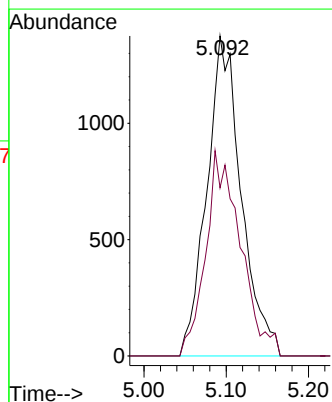
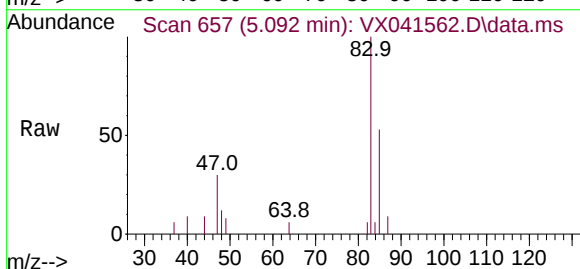
Acq: 16 May 2024 14:43

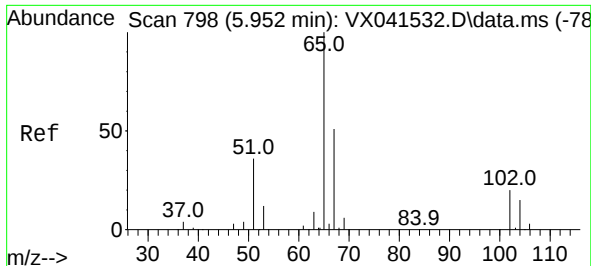
Tgt Ion: 83 Resp: 3993

Ion Ratio Lower Upper

83 100

85 52.6 52.9 79.3#





#27

1,2-Dichloroethane-d4

Concen: 30.273 ug/l

RT: 5.958 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX041562.D

Acq: 16 May 2024 14:43

Instrument :

MSVOA_X

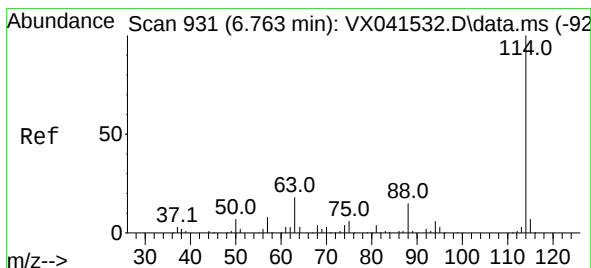
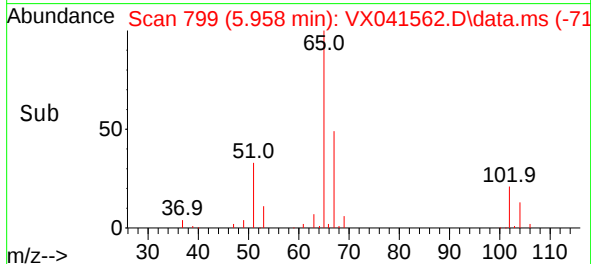
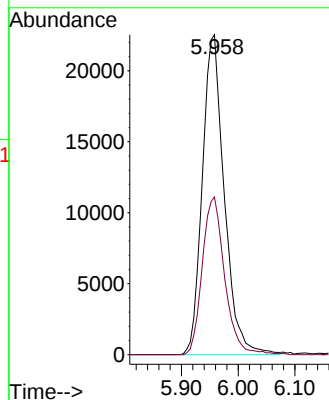
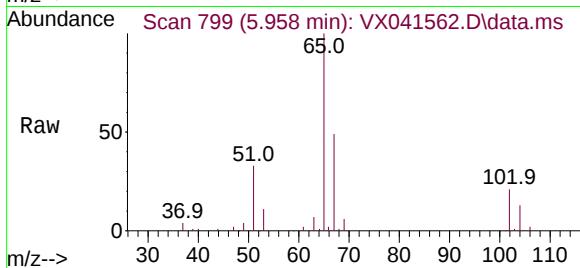
ClientSampleId :

Tgt Ion: 65 Resp: 60611

Ion Ratio Lower Upper

65 100

67 50.2 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: VX041562.D

Acq: 16 May 2024 14:43

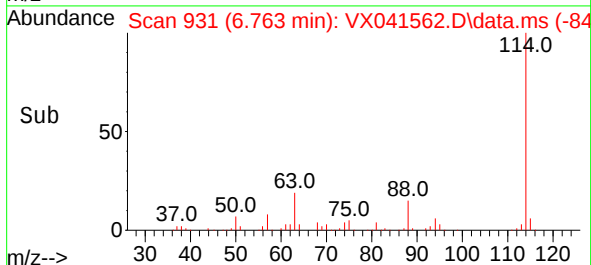
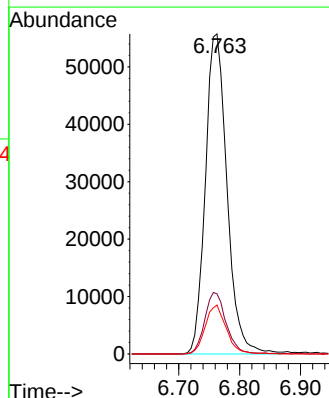
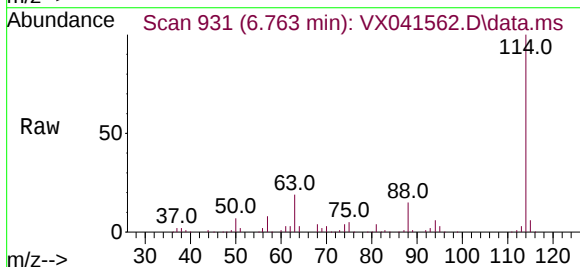
Tgt Ion: 114 Resp: 137639

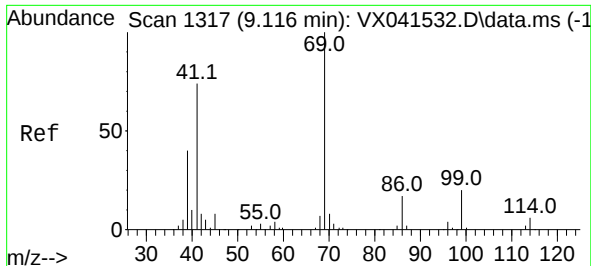
Ion Ratio Lower Upper

114 100

63 18.9 15.4 23.0

88 14.8 12.2 18.2





#51

Ethyl methacrylate

Concen: 0.207 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.469 min MSVOA_X

Lab File: VX041562.D

Acq: 16 May 2024 14:43

Instrument :

MSVOA_X

ClientSampleId :

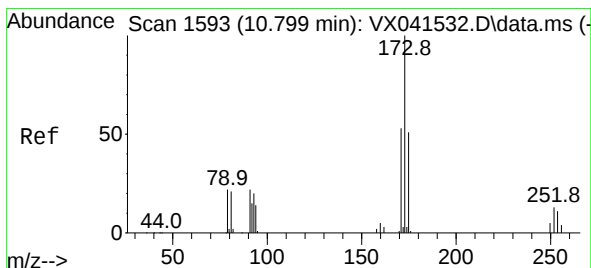
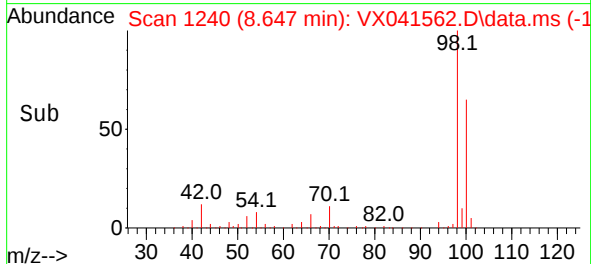
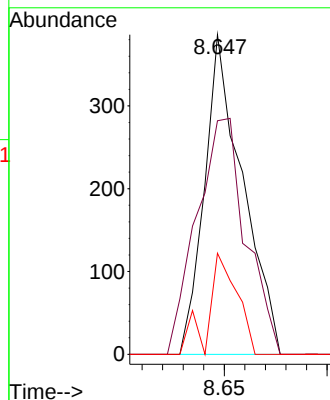
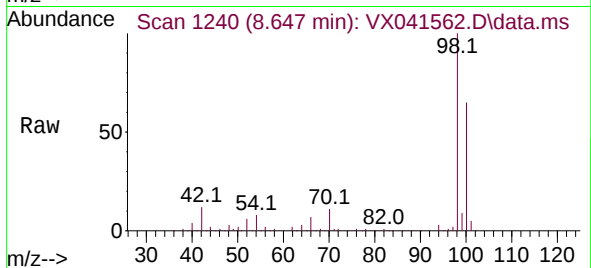
Tgt Ion: 69 Resp: 497

Ion Ratio Lower Upper

69 100

41 73.1 37.1 111.3

39 31.6 20.2 60.6



#56

Bromoform

Concen: 0.202 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.280 min

Lab File: VX041562.D

Acq: 16 May 2024 14:43

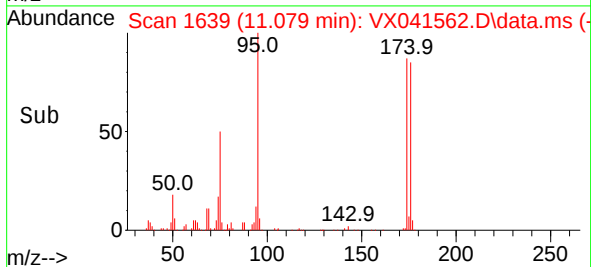
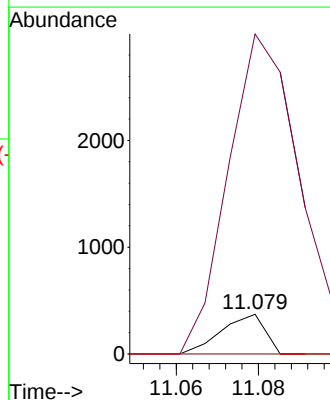
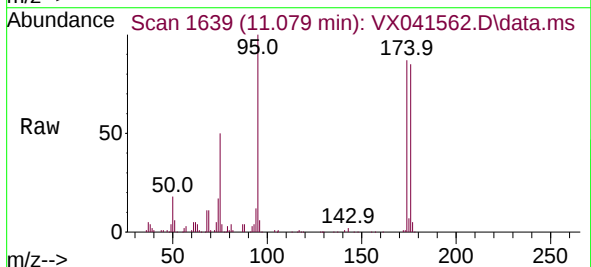
Tgt Ion:173 Resp: 274

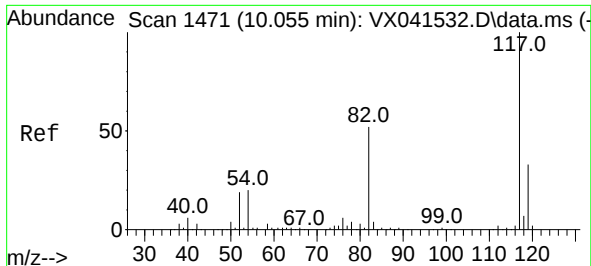
Ion Ratio Lower Upper

173 100

175 1373.7 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: VX041562.D

Acq: 16 May 2024 14:43

Instrument :

MSVOA_X

ClientSampleId :

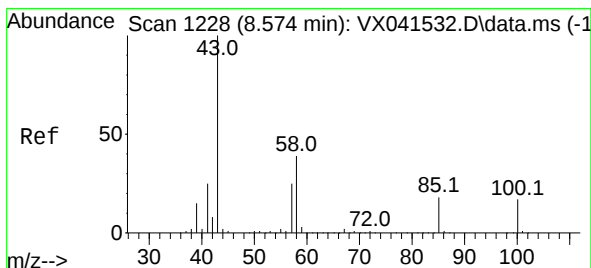
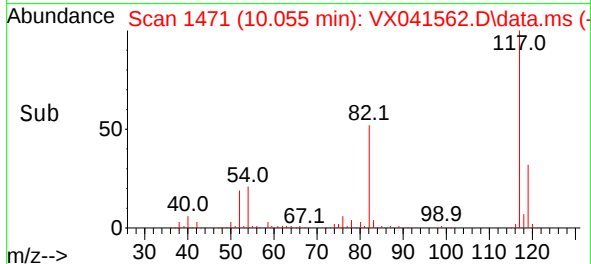
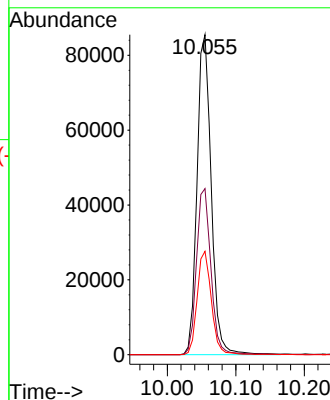
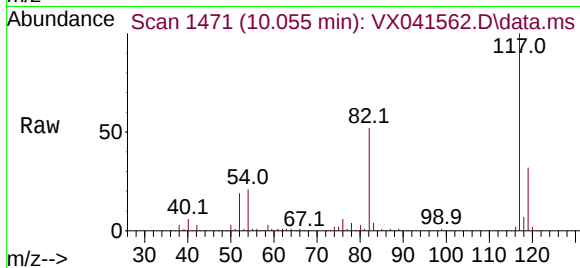
Tgt Ion:117 Resp: 123669

Ion Ratio Lower Upper

117 100

82 52.6 41.7 62.5

119 32.1 25.7 38.5



#58

4-Methyl-2-Pentanone

Concen: 0.312 ug/l

RT: 8.641 min Scan# 1239

Delta R.T. 0.067 min

Lab File: VX041562.D

Acq: 16 May 2024 14:43

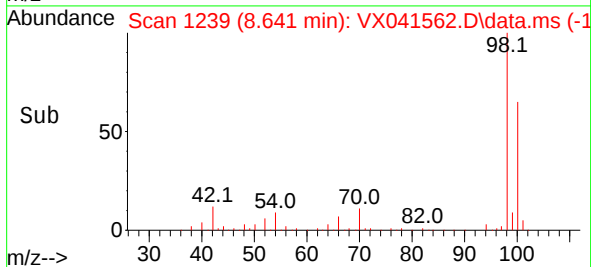
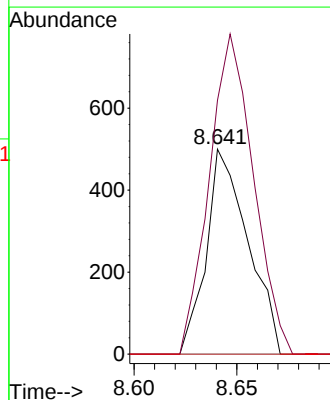
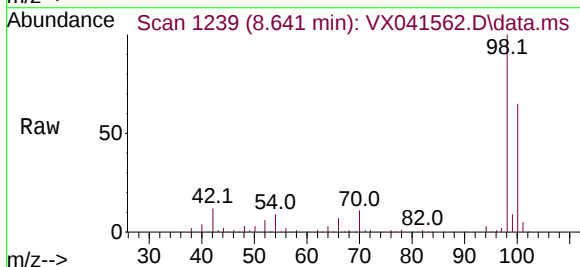
Tgt Ion: 43 Resp: 705

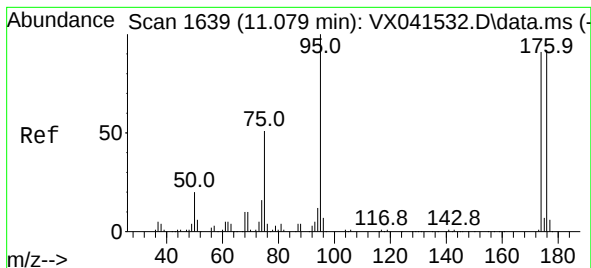
Ion Ratio Lower Upper

43 100

58 165.8 30.2 45.4#

85 0.0 14.6 21.8#

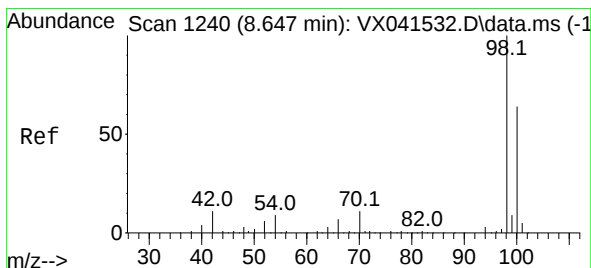
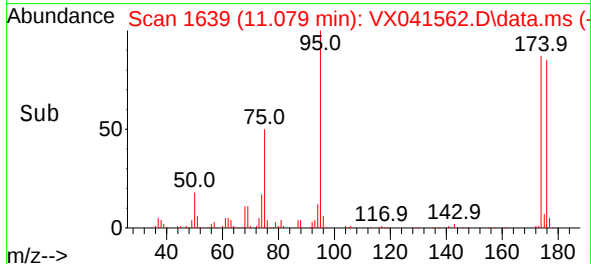
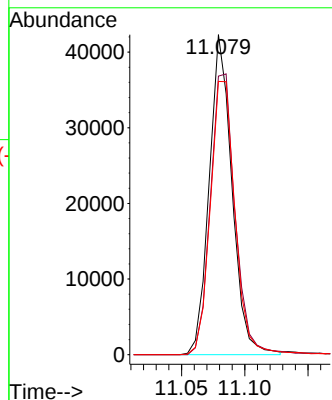
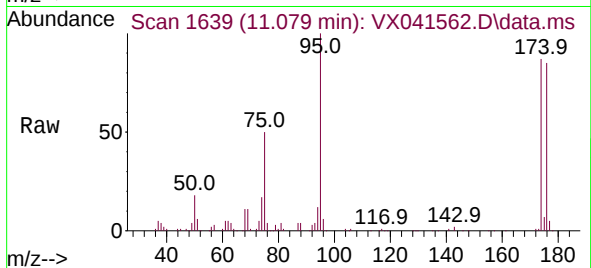




#60
4-Bromofluorobenzene
Concen: 27.394 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041562.D
Acq: 16 May 2024 14:43

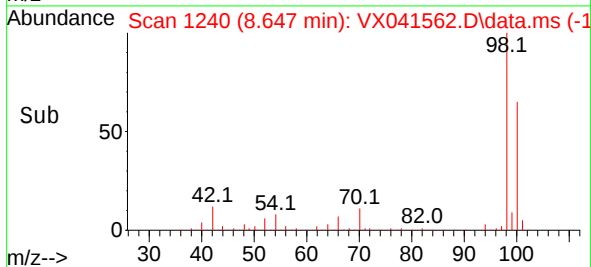
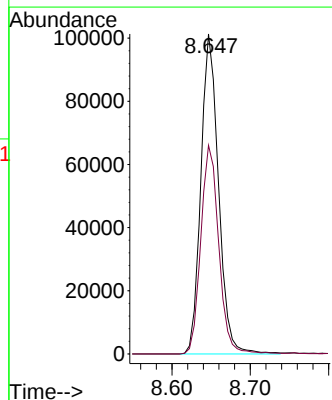
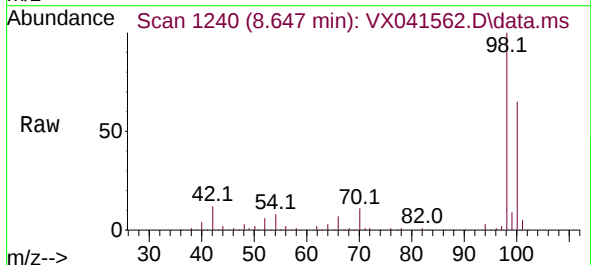
Instrument :
MSVOA_X
ClientSampleId :

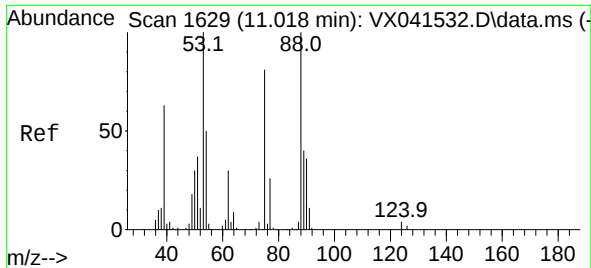
Tgt Ion: 95 Resp: 52885
Ion Ratio Lower Upper
95 100
174 95.4 76.6 115.0
176 93.2 75.4 113.0



#63
Toluene-d8
Concen: 29.894 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041562.D
Acq: 16 May 2024 14:43

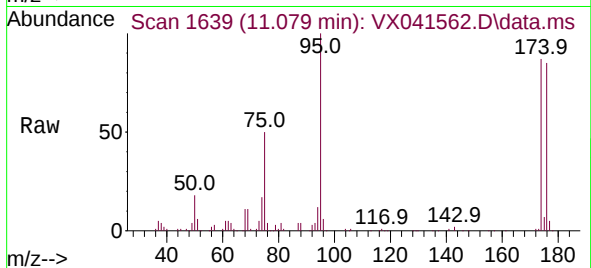
Tgt Ion: 98 Resp: 158473
Ion Ratio Lower Upper
98 100
100 66.4 53.1 79.7





#77
 t-1,4-Dichloro-2-butene
 Concen: 40.406 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041562.D
 Acq: 16 May 2024 14:43

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	75	Resp:	26741
Ion	Ratio	Lower	Upper
75	100		
53	0.0	61.8	185.3#
89	0.0	24.9	74.7#

