

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX050119\
 Data File : VX009258.D
 Acq On : 01 May 2019 16:30
 Operator : JC/SP
 Sample : VX0501WBL01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBL01

Quant Time: May 02 06:51:38 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 02 06:46:57 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	30406	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	176588	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	150730	30.00	ug/l	0.00

System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	6.06	65	75856	30.07	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.23%
60) 4-Bromofluorobenzene	11.13	95	72579	28.34	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.47%
63) Toluene-d8	8.71	98	218037	30.51	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.70%

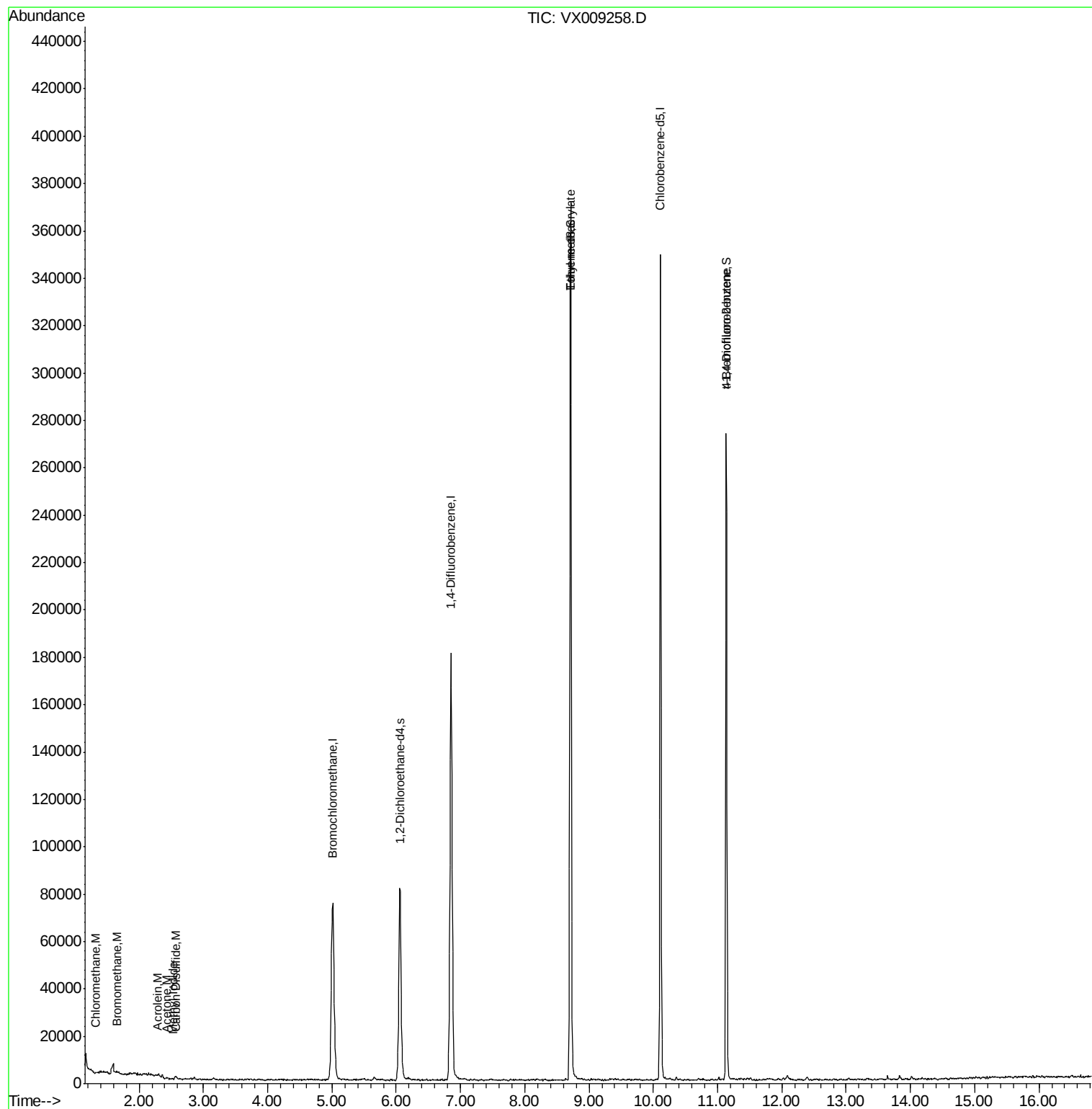
Target Compounds					Ovalue
3) Chloromethane	1.32	50	619	0.285 ug/l	91
5) Bromomethane	1.65	94	453	0.330 ug/l #	79
11) Methyl Iodide	2.52	142	380	0.210 ug/l #	70
13) Acrolein	2.29	56	432	1.005 ug/l	90
15) Acetone	2.44	58	208	0.533 ug/l #	1
16) Carbon Disulfide	2.57	76	1306	0.290 ug/l #	75
51) Ethyl methacrylate	8.72	69	900	0.246 ug/l	95
77) t-1,4-Dichloro-2-butene	11.13	75	36582	33.171 ug/l #	10

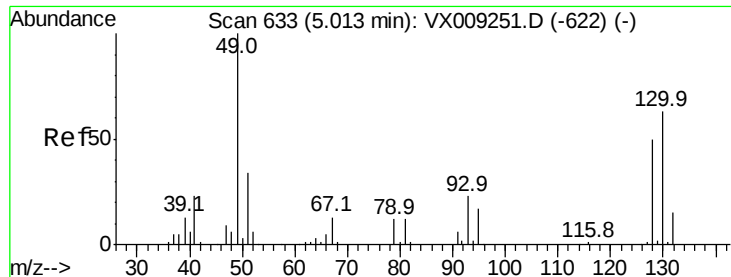
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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VX0501WBL01

Quant Time: May 02 06:51:38 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X050119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 02 06:46:57 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 633

Delta R.T. -0.00 min

Lab File: VX009258.D

Acq: 01 May 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

VX0501WBL01

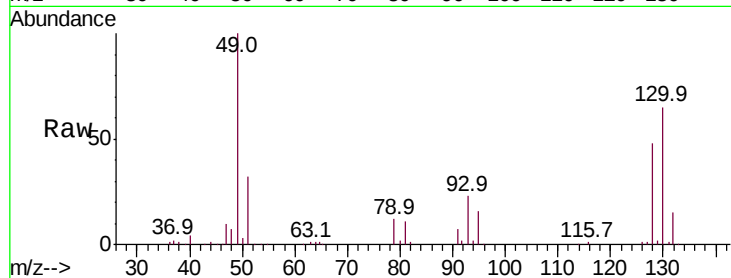
Tot Ion:128 Resp: 30406

Ion Ratio Lower Upper

128 100

49 201.8 0.0 515.0

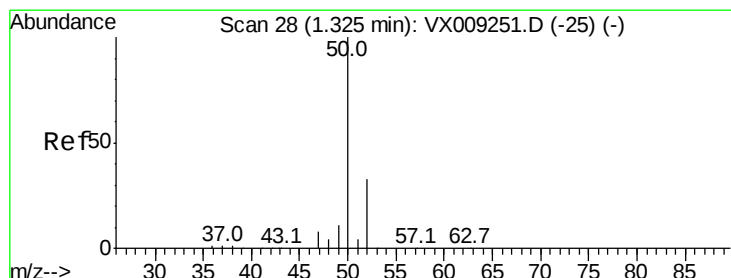
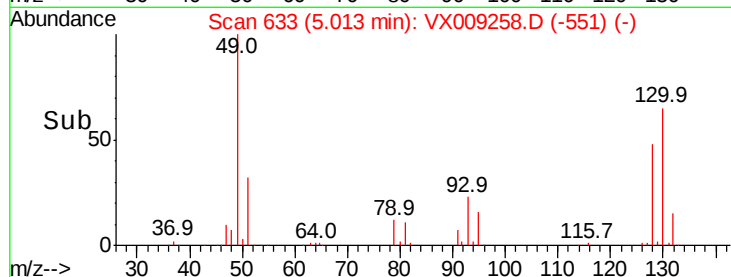
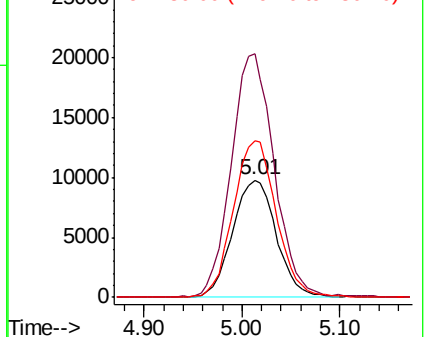
130 131.4 0.0 323.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VX0

Ion 130.00 (129.70 to 130.70): V



#3

Chloromethane

Concen: 0.285 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.00 min

Lab File: VX009258.D

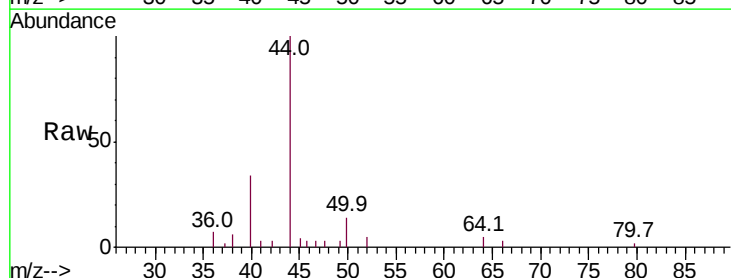
Acq: 01 May 2019 16:30

Tgt Ion: 50 Resp: 619

Ion Ratio Lower Upper

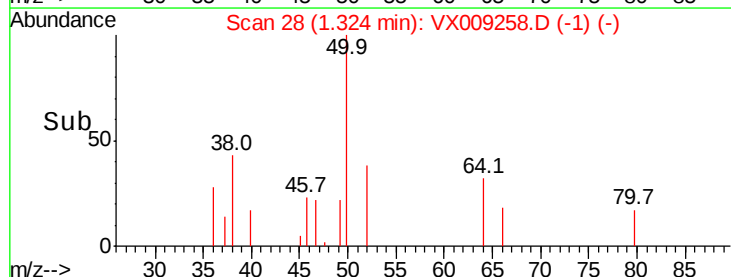
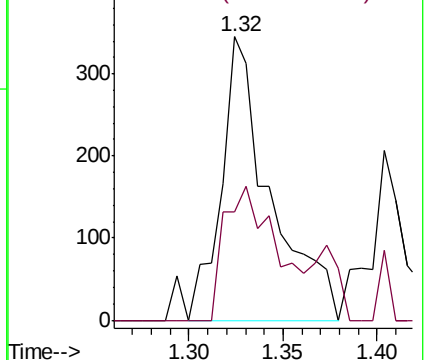
50 100

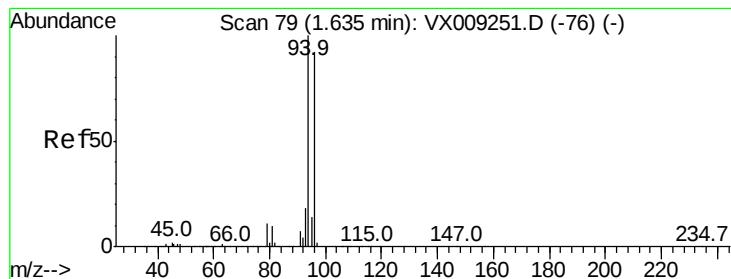
52 38.3 26.3 39.5



Abundance Ion 50.00 (49.70 to 50.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#5

Bromomethane

Concen: 0.330 ug/l

RT: 1.65 min Scan# 82

Delta R.T. 0.02 min

Lab File: VX009258.D

Acq: 01 May 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

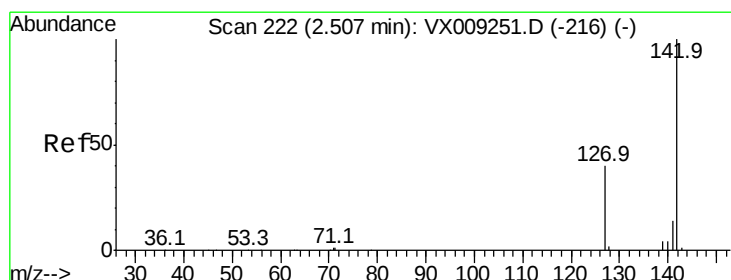
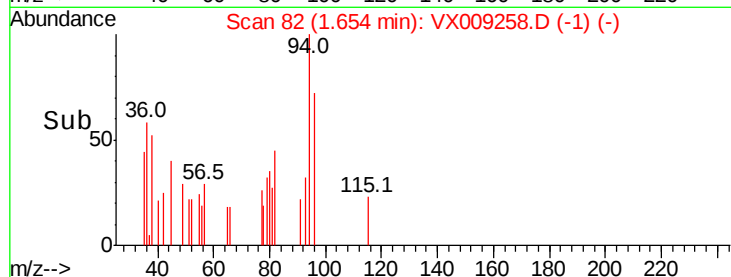
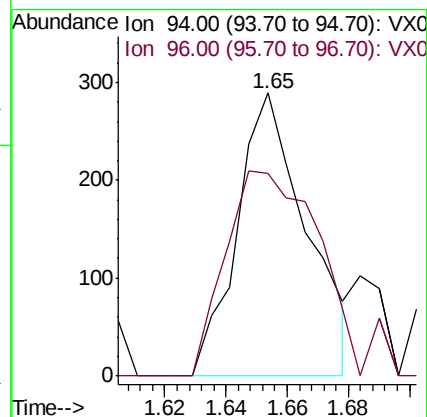
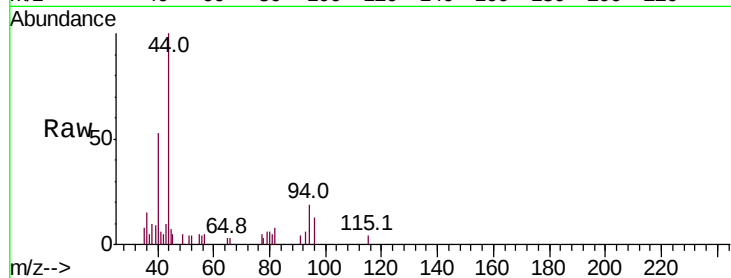
VX0501WBL01

Tot Ion: 94 Resp: 453

Ion Ratio Lower Upper

94 100

96 71.6 73.5 110.3#



#11

Methyl Iodide

Concen: 0.210 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX009258.D

Acq: 01 May 2019 16:30

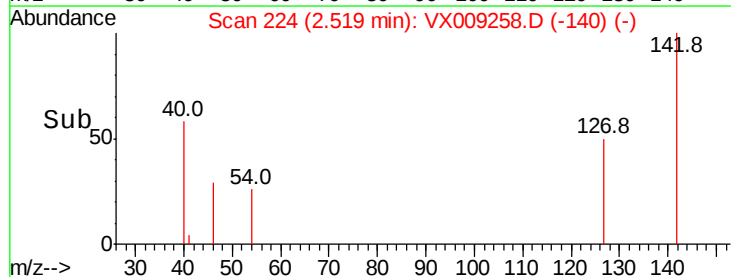
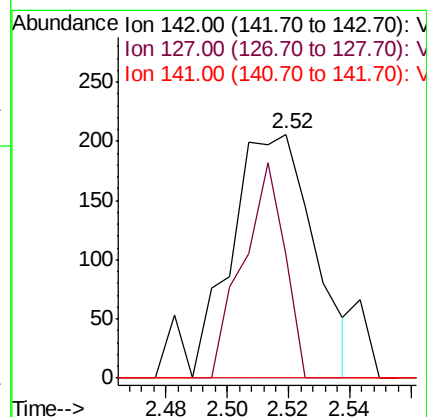
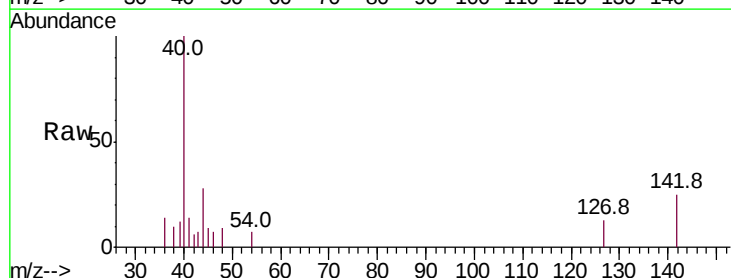
Tgt Ion: 142 Resp: 380

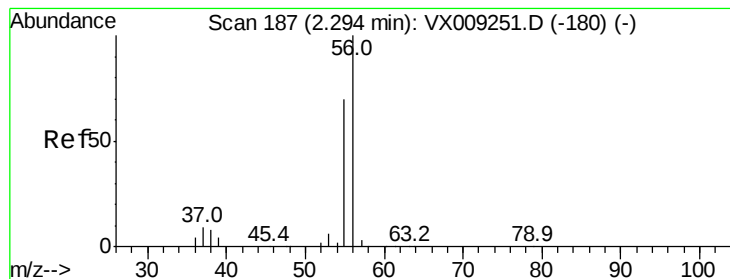
Ion Ratio Lower Upper

142 100

127 57.6 20.2 60.5

141 0.0 6.9 20.7#





#13

Acrolein

Concen: 1.005 ug/l

RT: 2.29 min Scan# 187

Delta R.T. -0.00 min

Lab File: VX009258.D

Acq: 01 May 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

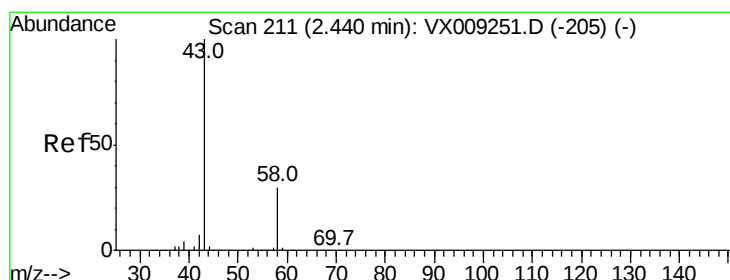
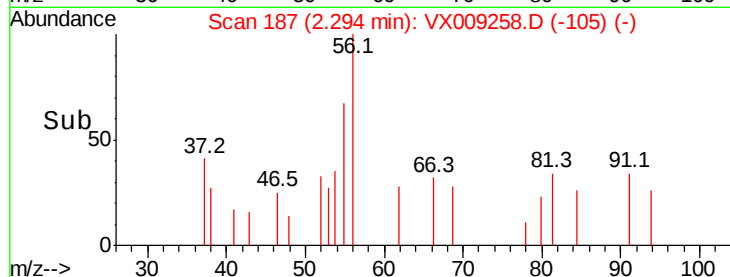
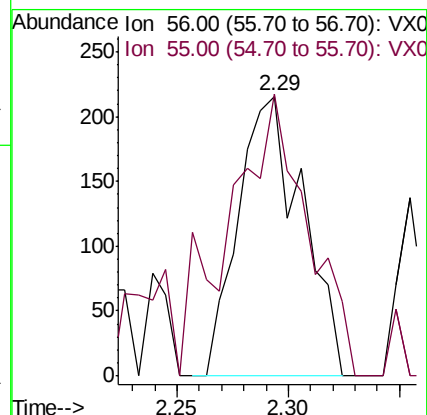
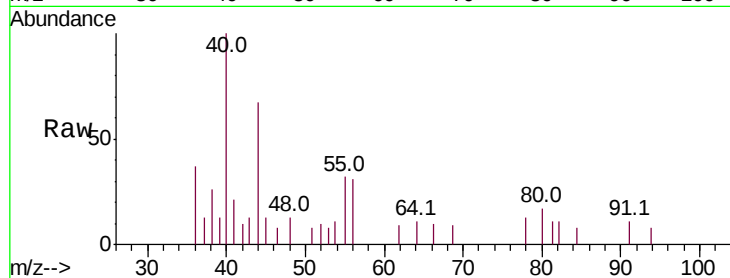
VX0501WBL01

Tot Ion: 56 Resp: 432

Ion Ratio Lower Upper

56 100

55 63.0 56.9 85.3



#15

Acetone

Concen: 0.533 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.00 min

Lab File: VX009258.D

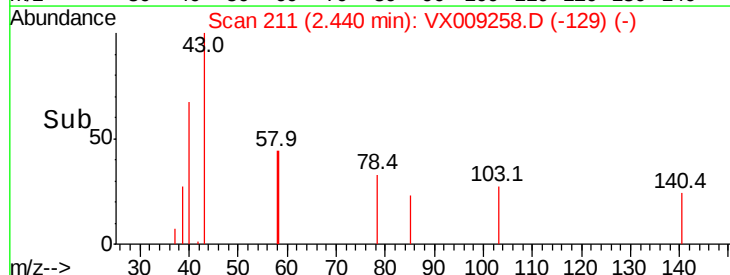
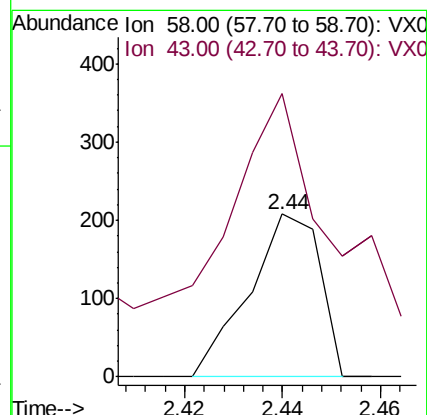
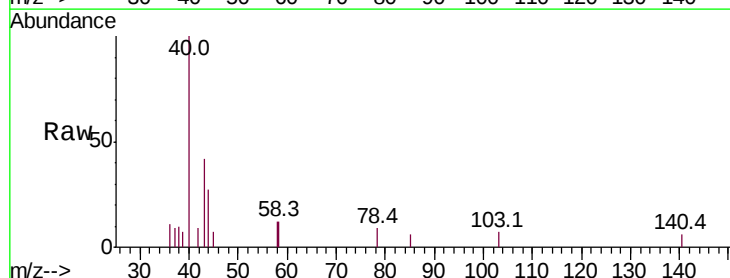
Acq: 01 May 2019 16:30

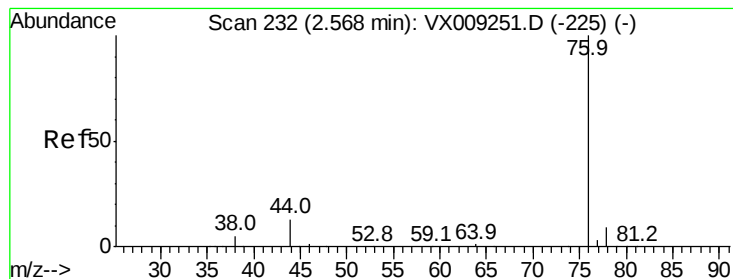
Tgt Ion: 58 Resp: 208

Ion Ratio Lower Upper

58 100

43 118.3 264.0 396.0#





#16

Carbon Disulfide

Concen: 0.290 ug/l

RT: 2.57 min Scan# 233

Delta R.T. 0.01 min

Lab File: VX009258.D

Acq: 01 May 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

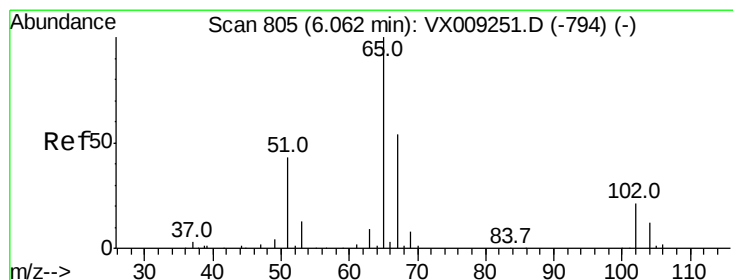
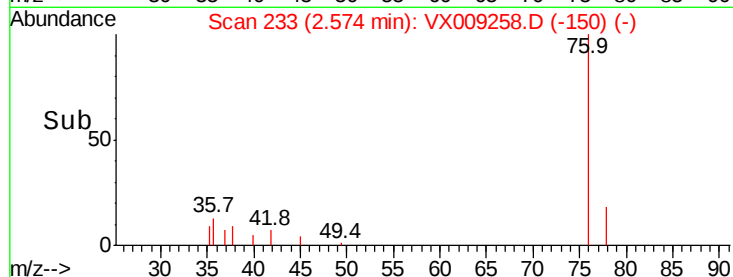
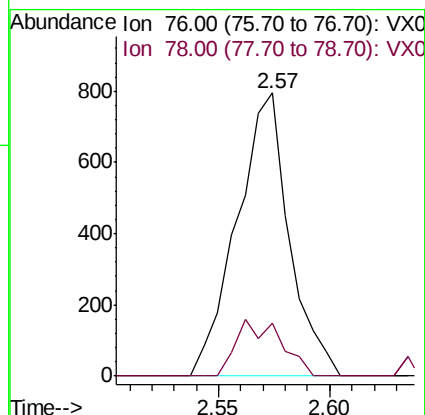
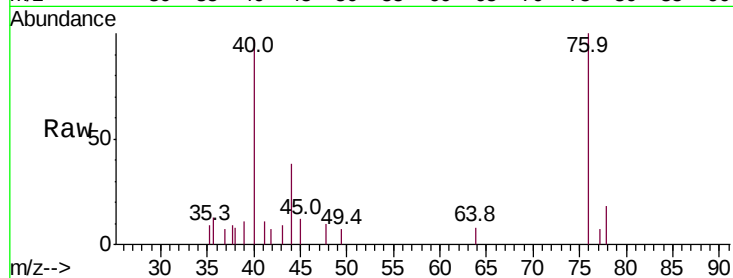
VX0501WBL01

Tot Ion: 76 Resp: 1306

Ion Ratio Lower Upper

76 100

78 18.5 7.4 11.2#



#27

1,2-Dichloroethane-d4

Concen: 30.074 ug/l

RT: 6.06 min Scan# 804

Delta R.T. -0.01 min

Lab File: VX009258.D

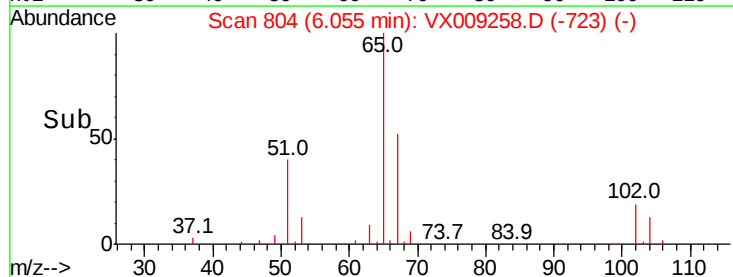
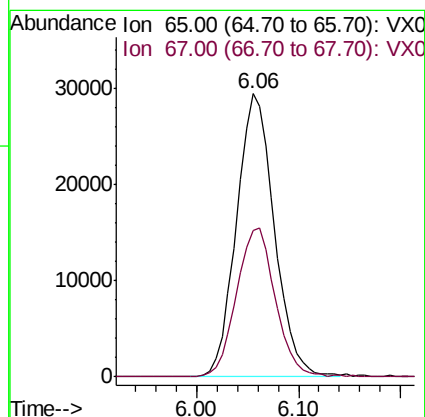
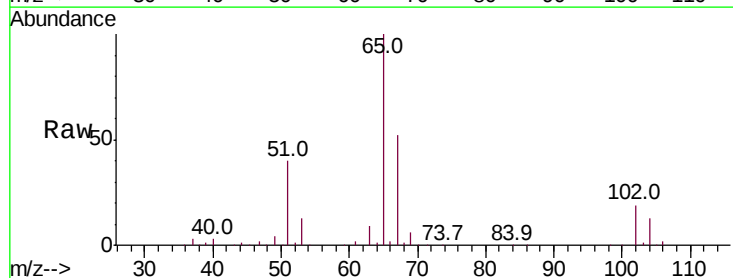
Acq: 01 May 2019 16:30

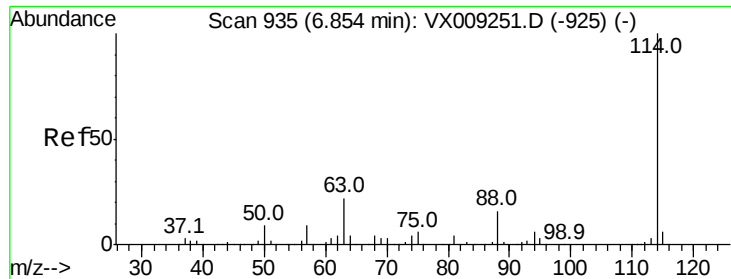
Tgt Ion: 65 Resp: 75856

Ion Ratio Lower Upper

65 100

67 53.7 43.1 64.7

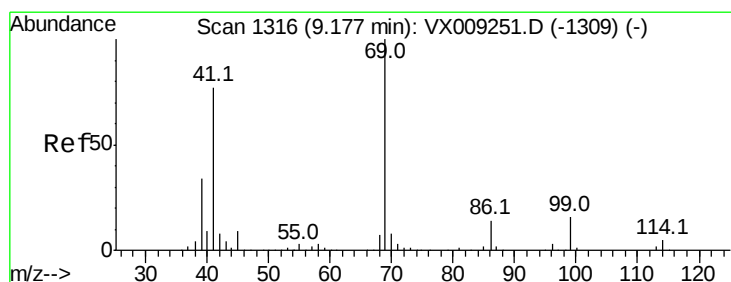
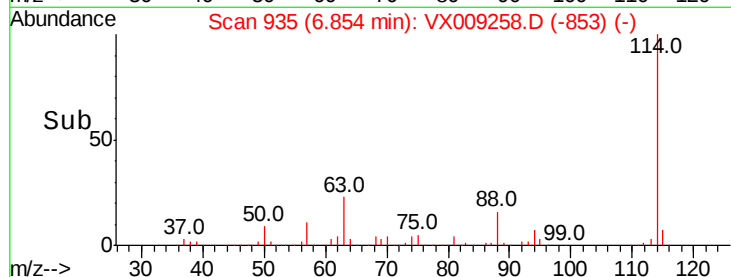
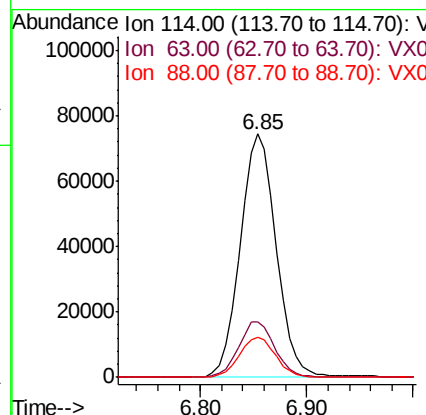
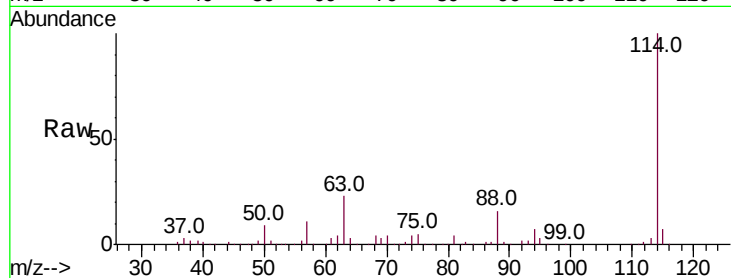




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. -0.00 min
 Lab File: VX009258.D
 Acq: 01 May 2019 16:30

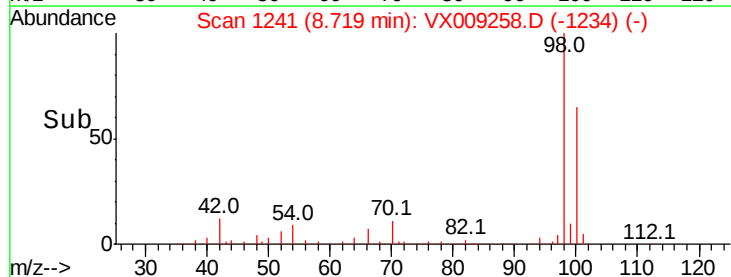
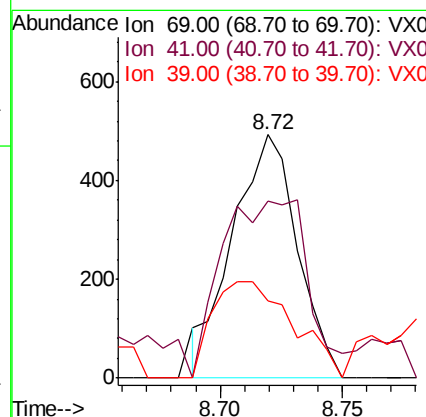
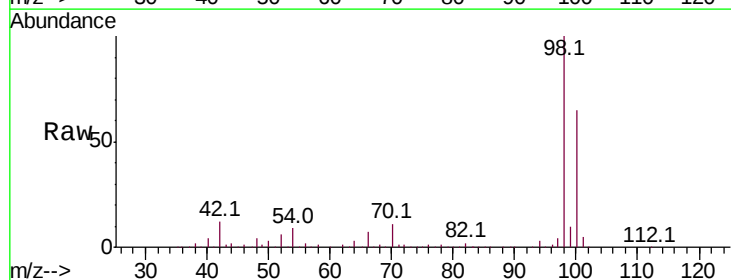
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0501WBL01

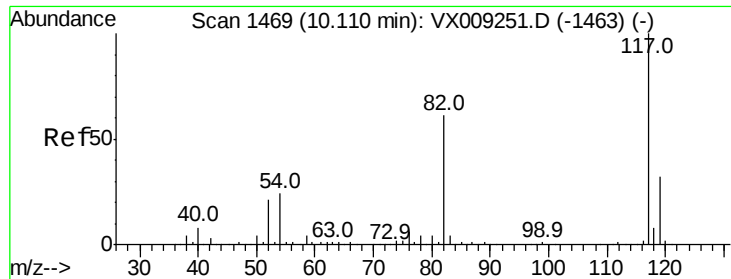
Tot Ion:114 Resp: 176588
 Ion Ratio Lower Upper
 114 100
 63 22.9 18.0 27.0
 88 16.5 13.4 20.0



#51
 Ethyl methacrylate
 Concen: 0.246 ug/l
 RT: 8.72 min Scan# 1241
 Delta R.T. -0.46 min
 Lab File: VX009258.D
 Acq: 01 May 2019 16:30

Tgt Ion: 69 Resp: 900
 Ion Ratio Lower Upper
 69 100
 41 72.8 38.4 115.2
 39 31.4 17.2 51.5

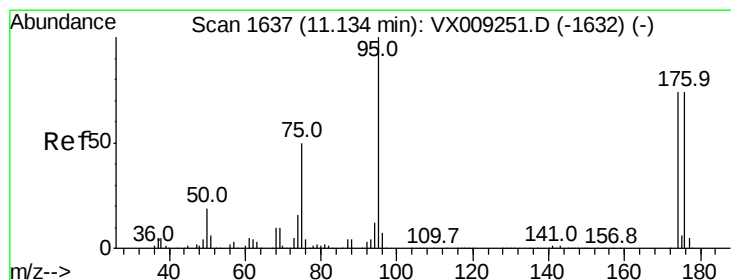
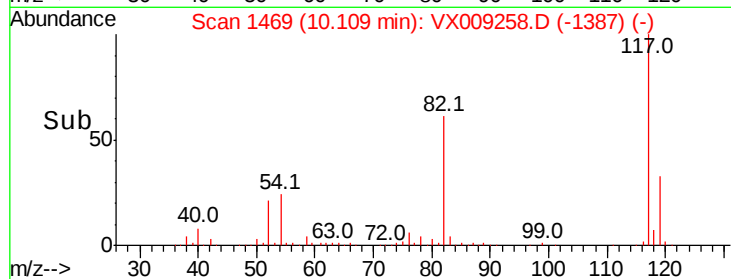
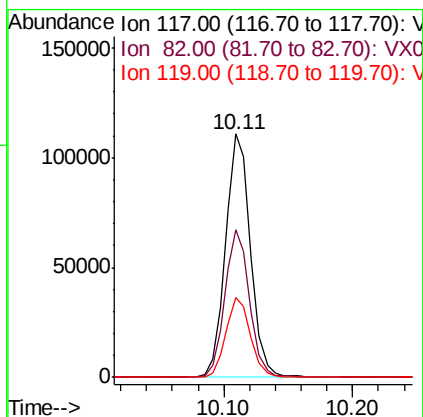
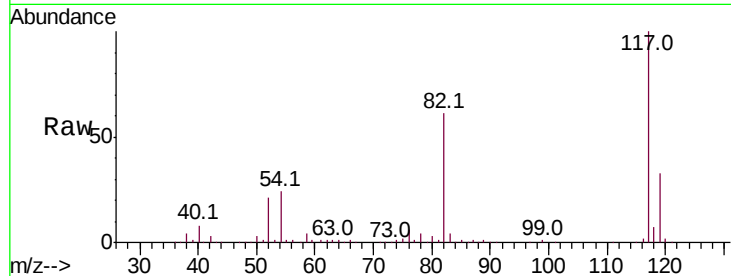




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX009258.D
Acq: 01 May 2019 16:30

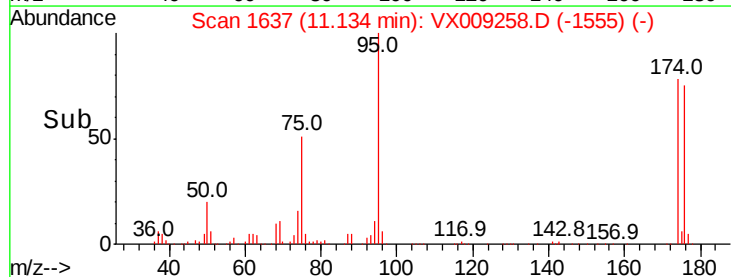
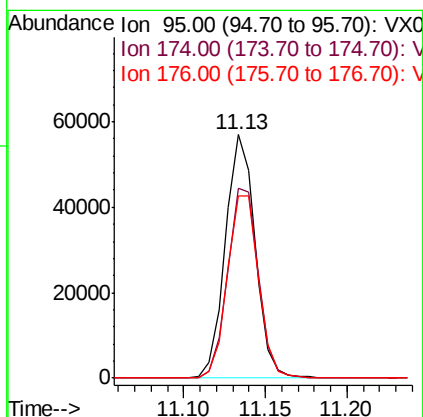
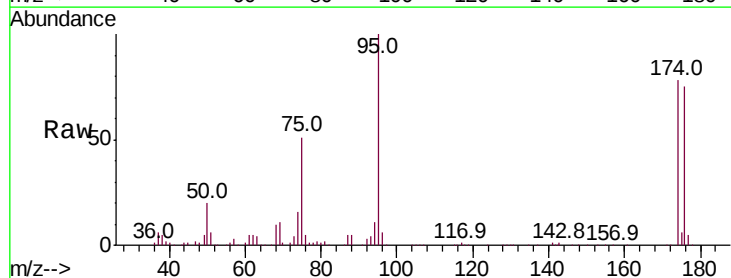
Instrument :
MSVOA_X
ClientSampled :
VX0501WBL01

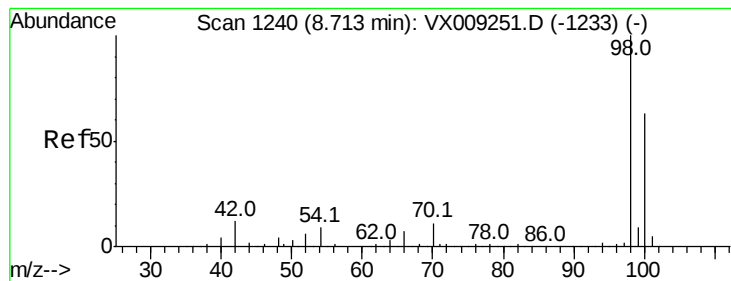
Tot Ion:117 Resp: 150730
Ion Ratio Lower Upper
117 100
82 59.8 47.8 71.8
119 32.5 25.6 38.4



#60
4-Bromofluorobenzene
Concen: 28.337 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX009258.D
Acq: 01 May 2019 16:30

Tgt Ion: 95 Resp: 72579
Ion Ratio Lower Upper
95 100
174 80.4 63.6 95.4
176 78.1 62.4 93.6





#63

Toluene-d8

Concen: 30.511 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX009258.D

Acq: 01 May 2019 16:30

Instrument :

MSVOA_X

ClientSampleId :

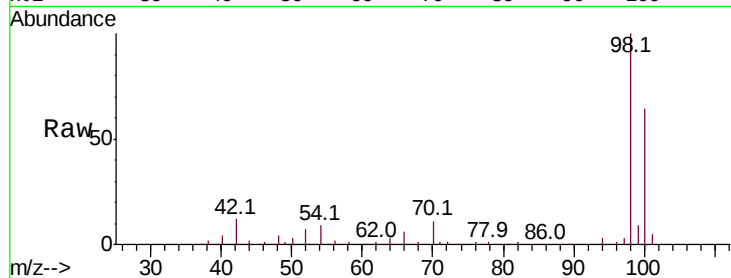
VX0501WBL01

Tot Ion: 98 Resp: 218037

Ion Ratio Lower Upper

98 100

100 64.7 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

150000

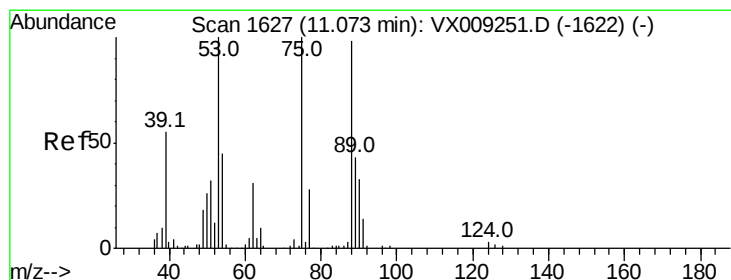
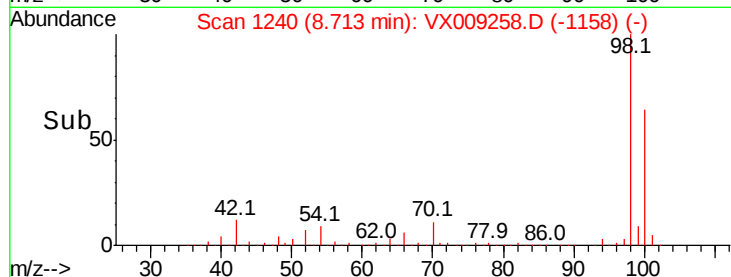
8.71

100000

50000

0

Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 33.171 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX009258.D

Acq: 01 May 2019 16:30

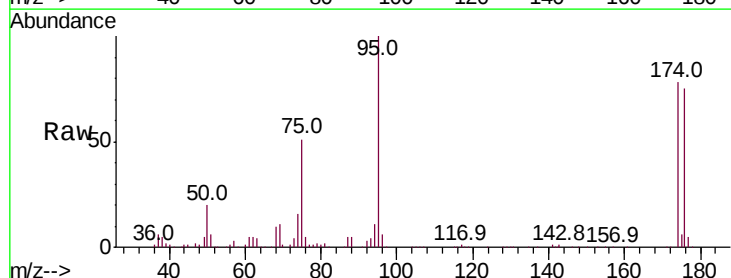
Tgt Ion: 75 Resp: 36582

Ion Ratio Lower Upper

75 100

53 0.2 50.0 149.8#

89 0.0 21.6 65.0#



Abundance Ion 75.00 (74.70 to 75.70): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 89.00 (88.70 to 89.70): VX0

40000

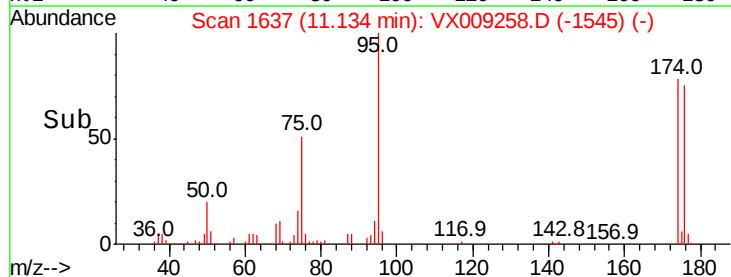
30000

20000

10000

0

Time-->



Time-->