

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102219\
 Data File : VX013172.D
 Acq On : 22 Oct 2019 12:55
 Operator : JC/SP
 Sample : K5460-02DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 23 07:45:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Oct 22 01:53:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	25019	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	140679	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	125591	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.06	65	59342	30.13	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.43%
60) 4-Bromofluorobenzene	11.13	95	61775	28.25	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	94.17%
63) Toluene-d8	8.71	98	167909	30.06	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.20%

Target Compounds

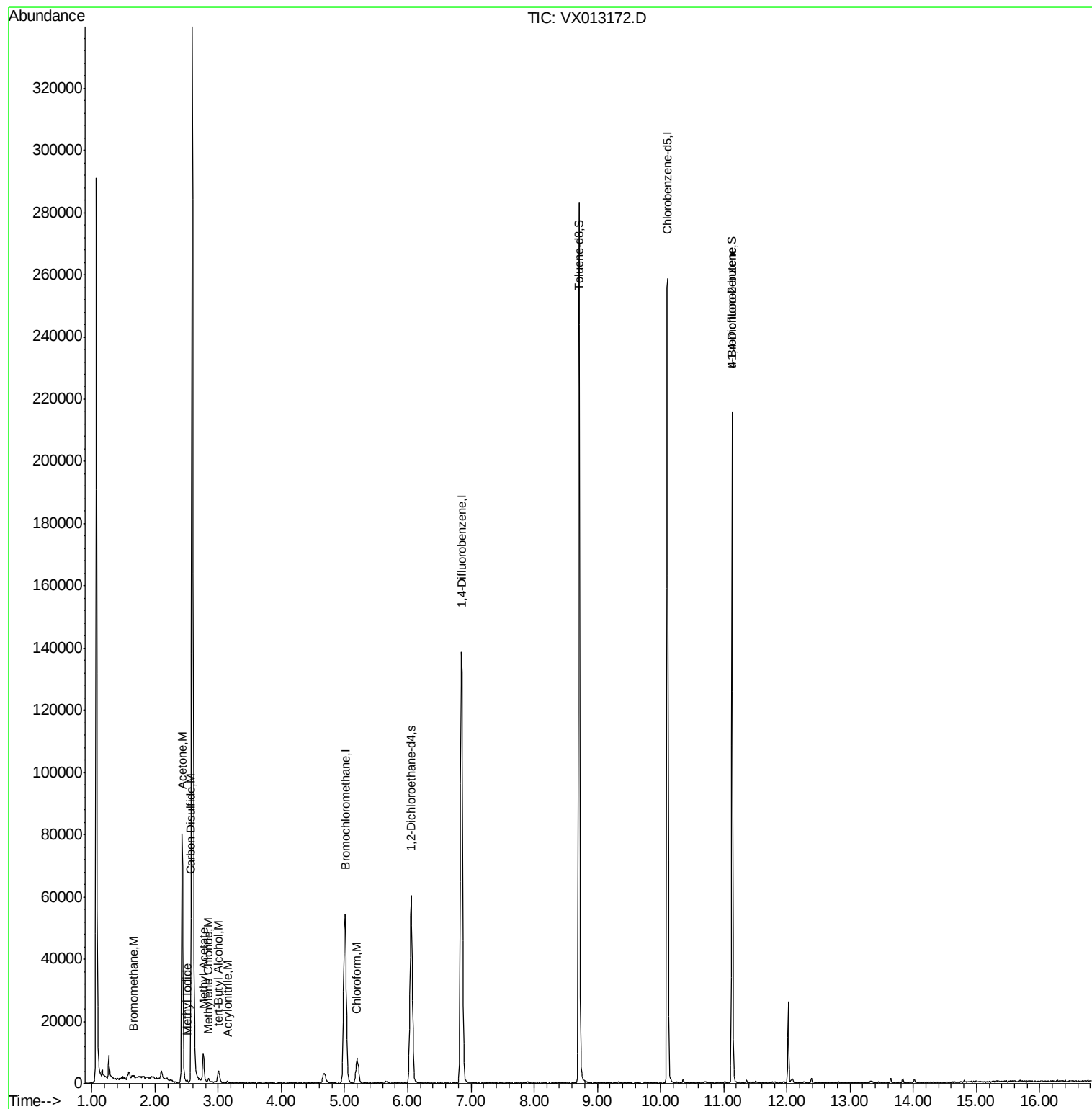
					Ovalue	
5) Bromomethane	1.66	94	368	0.421	ug/l	96
11) Methyl Iodide	2.51	142	404	0.204	ug/l #	45
12) Methyl Acetate	2.76	43	10305	5.199	ug/l	99
14) Acrylonitrile	3.14	53	170	0.205	ug/l #	72
15) Acetone	2.43	58	25460	93.232	ug/l	96
16) Carbon Disulfide	2.56	76	1177	0.287	ug/l #	77
18) Methylene Chloride	2.84	84	575	0.324	ug/l #	73
23) tert-Butyl Alcohol	3.00	59	2621	6.002	ug/l #	100
25) Chloroform	5.20	83	6073	2.016	ug/l	99
77) t-1,4-Dichloro-2-butene	11.13	75	29823	37.151	ug/l #	9

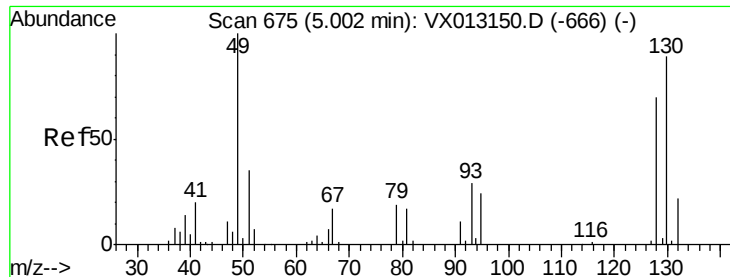
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 23 07:45:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA X\METHOD\624X102119W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Oct 22 01:53:07 2019
Response via : Initial Calibration

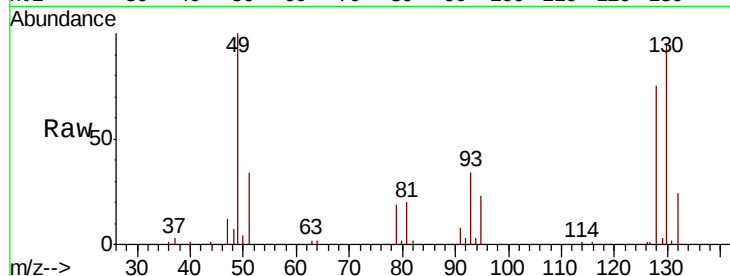




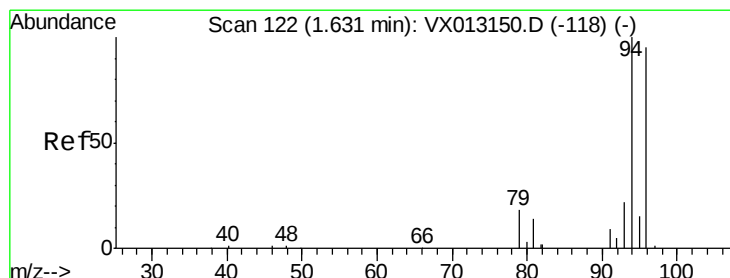
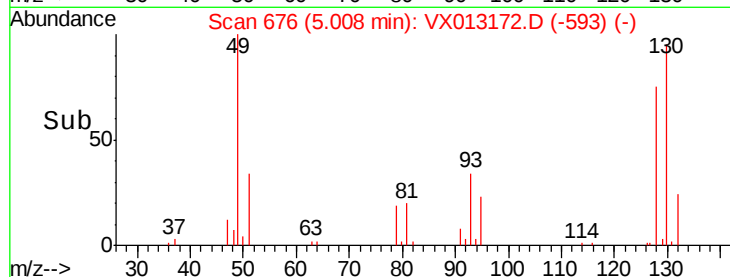
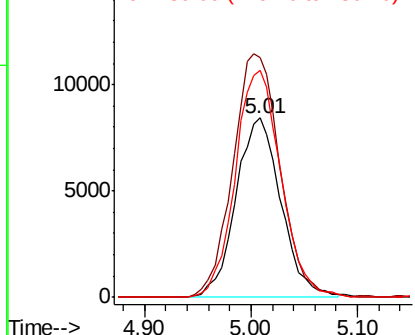
#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 5.01 min Scan# 676
 Delta R.T. 0.01 min
 Lab File: VX013172.D
 Acq: 22 Oct 2019 12:55

Instrument :
 MSVOA_X
 ClientSampleId :

Tot Ion:128 Resp: 25019
 Ion Ratio Lower Upper
 128 100
 49 142.1 0.0 367.3
 130 128.3 0.0 325.0

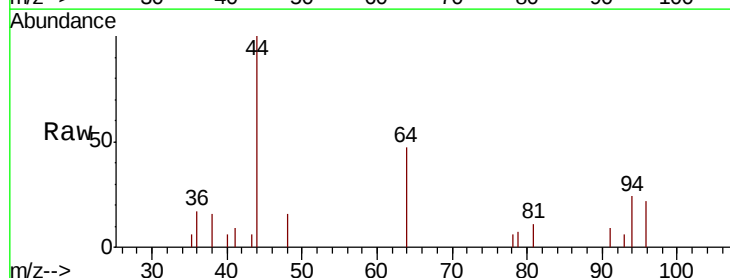


Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VX0
 Ion 130.00 (129.70 to 130.70): V

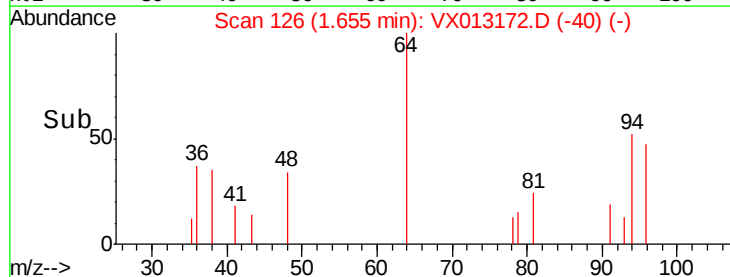
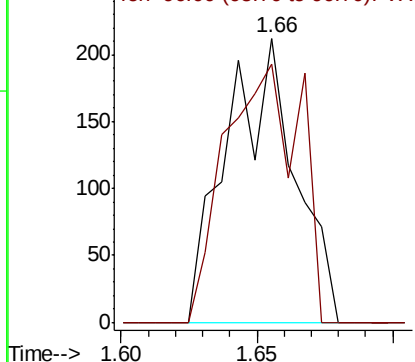


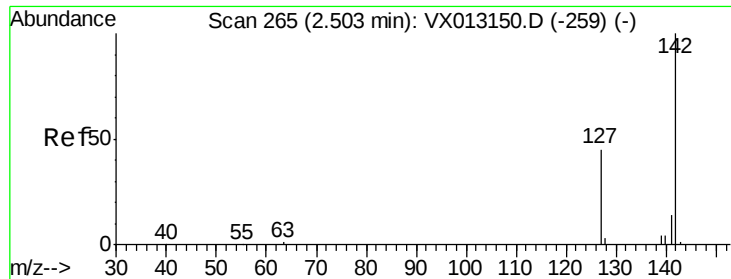
#5
 Bromomethane
 Concen: 0.421 ug/l
 RT: 1.66 min Scan# 126
 Delta R.T. 0.02 min
 Lab File: VX013172.D
 Acq: 22 Oct 2019 12:55

Tgt Ion: 94 Resp: 368
 Ion Ratio Lower Upper
 94 100
 96 91.0 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VX0
 Ion 96.00 (95.70 to 96.70): VX0

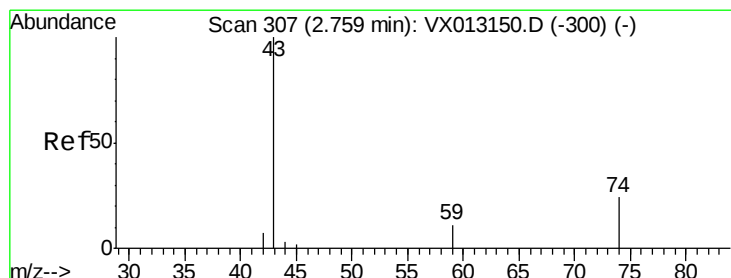
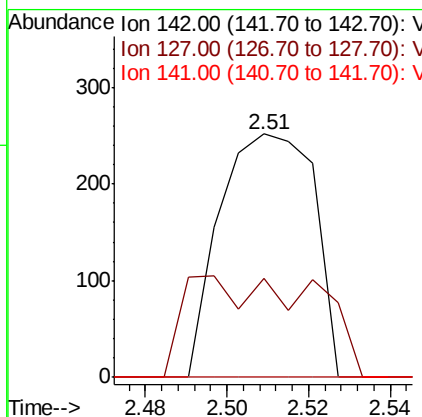
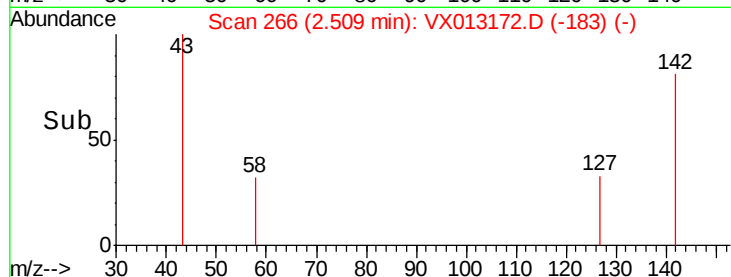
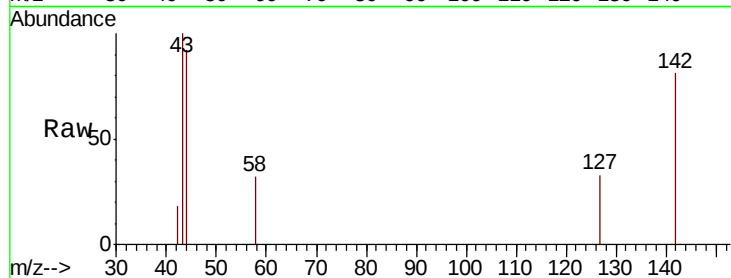




#11
Methyl Iodide
Concen: 0.204 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX013172.D
Acq: 22 Oct 2019 12:55

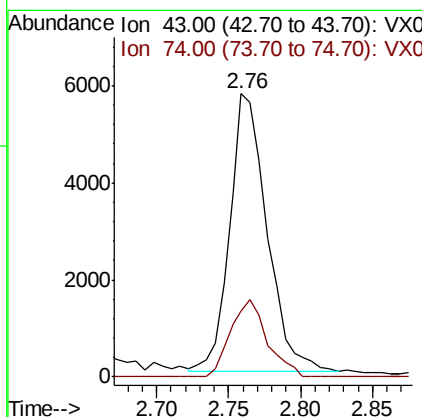
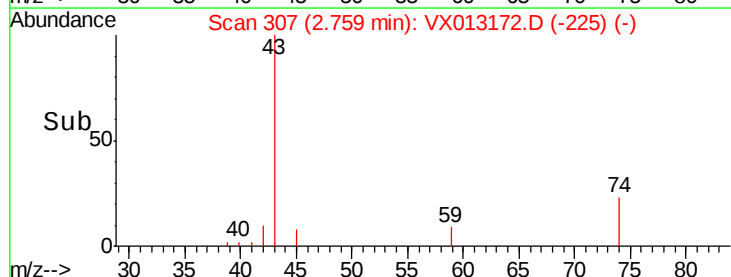
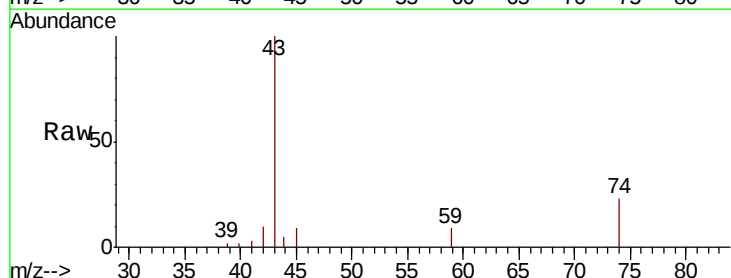
Instrument :
MSVOA_X
ClientSampled :

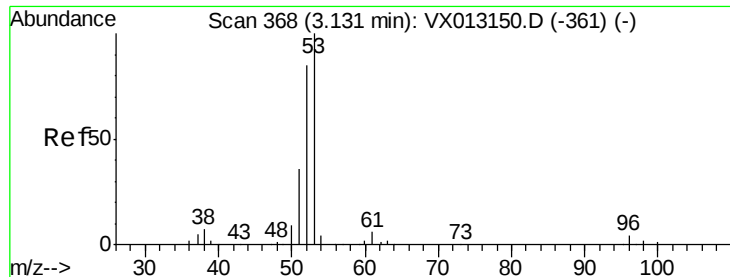
Tot Ion:142 Resp: 404
Ion Ratio Lower Upper
142 100
127 4.8 22.3 66.9#
141 0.0 7.1 21.3#



#12
Methyl Acetate
Concen: 5.199 ug/l
RT: 2.76 min Scan# 307
Delta R.T. 0.00 min
Lab File: VX013172.D
Acq: 22 Oct 2019 12:55

Tgt Ion: 43 Resp: 10305
Ion Ratio Lower Upper
43 100
74 23.9 19.7 29.5





#14

Acrylonitrile

Concen: 0.205 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.01 min

Lab File: VX013172.D

Acq: 22 Oct 2019 12:55

Instrument :

MSVOA_X

ClientSampleId :

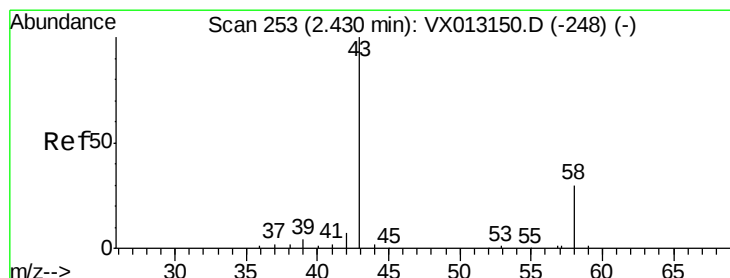
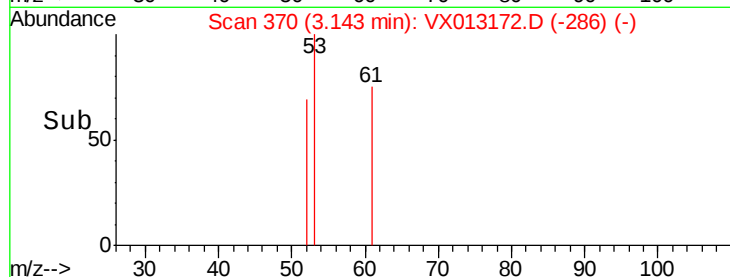
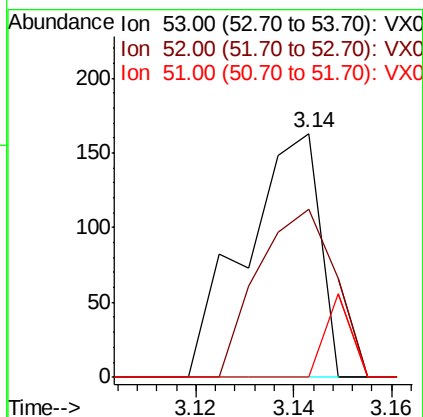
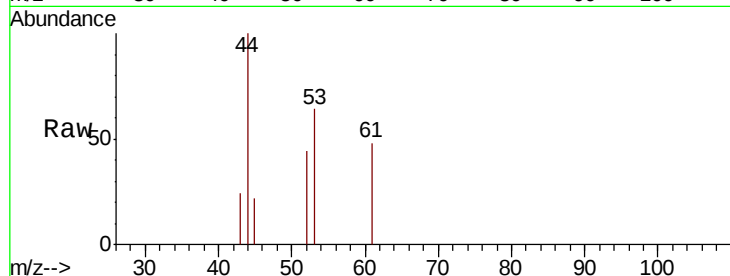
Tot Ion: 53 Resp: 170

Ion Ratio Lower Upper

53 100

52 72.4 42.0 126.0

51 0.0 18.6 56.0#



#15

Acetone

Concen: 93.232 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX013172.D

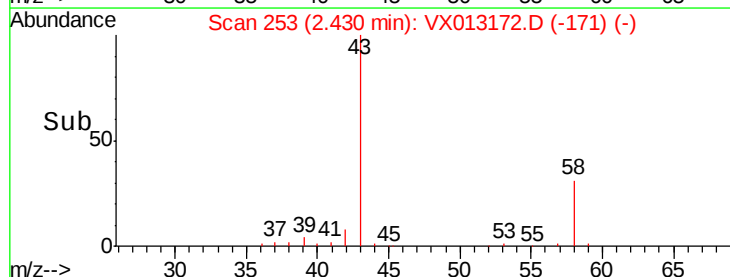
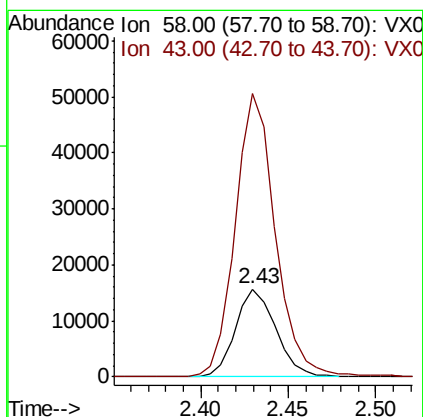
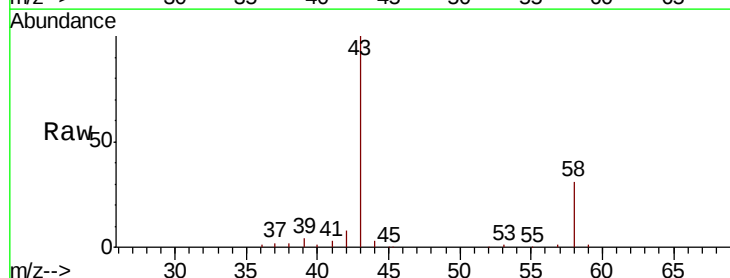
Acq: 22 Oct 2019 12:55

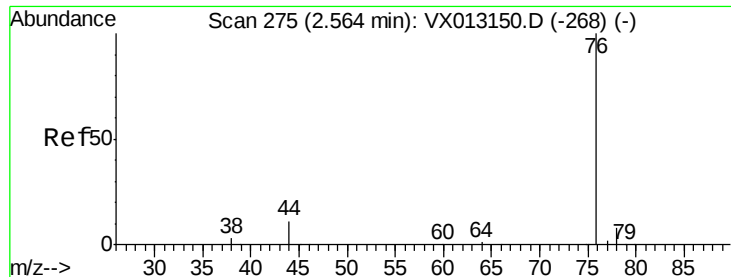
Tgt Ion: 58 Resp: 25460

Ion Ratio Lower Upper

58 100

43 320.8 262.8 394.2

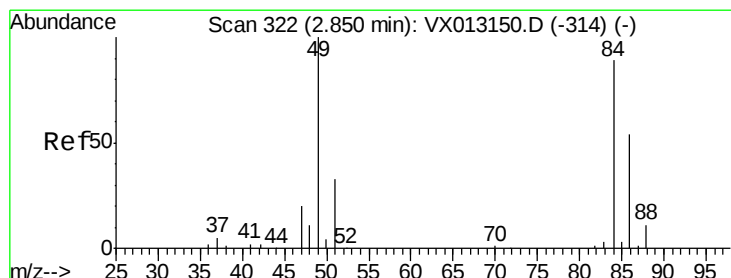
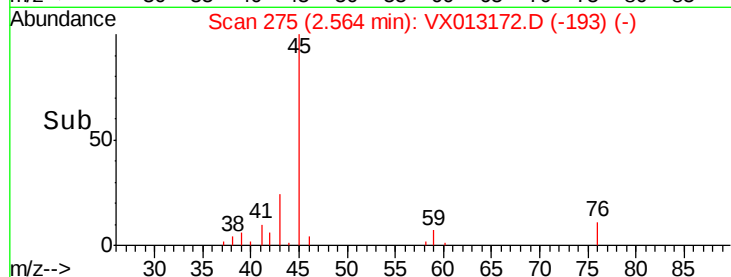
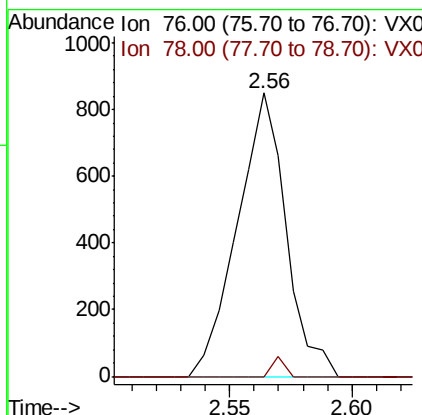
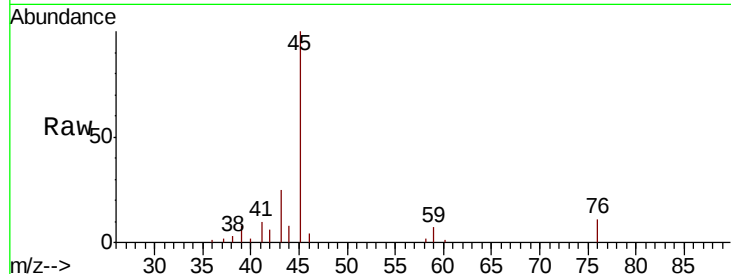




#16
Carbon Disulfide
Concen: 0.287 ug/l
RT: 2.56 min Scan# 275
Delta R.T. 0.00 min
Lab File: VX013172.D
Acq: 22 Oct 2019 12:55

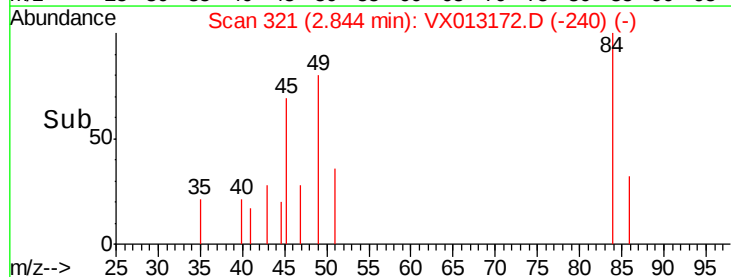
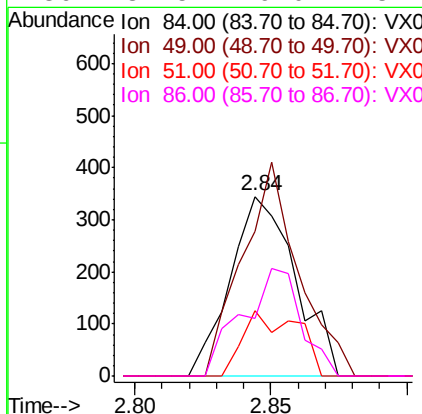
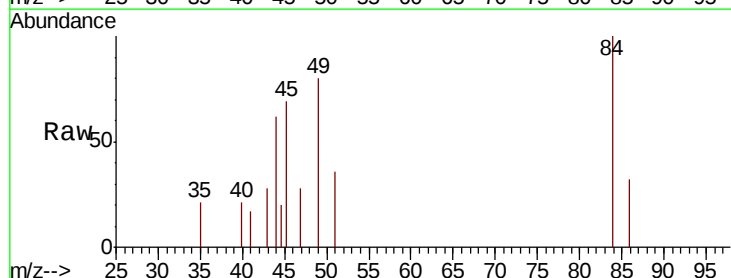
Instrument :
MSVOA_X
ClientSampled :

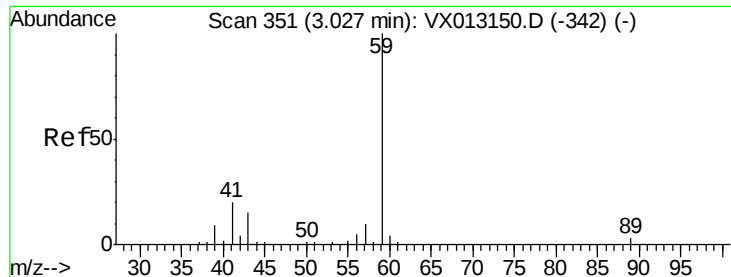
Tot Ion: 76 Resp: 1177
Ion Ratio Lower Upper
76 100
78 0.0 6.6 10.0#



#18
Methylene Chloride
Concen: 0.324 ug/l
RT: 2.84 min Scan# 321
Delta R.T. -0.01 min
Lab File: VX013172.D
Acq: 22 Oct 2019 12:55

Tgt Ion: 84 Resp: 575
Ion Ratio Lower Upper
84 100
49 80.3 90.3 135.5#
51 36.2 29.9 44.9
86 32.5 49.0 73.4#



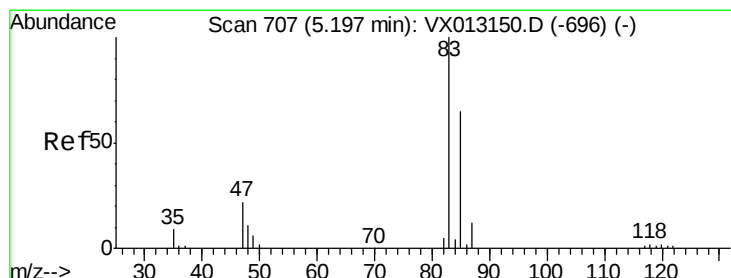
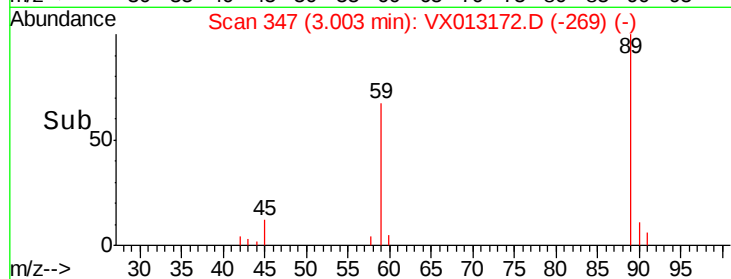
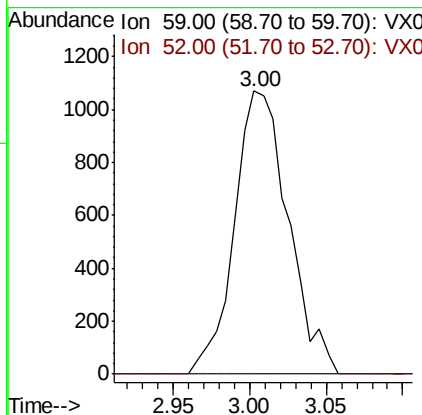
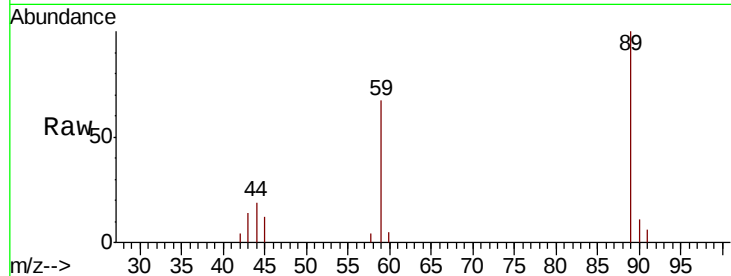


#23

tert-Butyl Alcohol
 Concen: 6.002 ug/l
 RT: 3.00 min Scan# 347
 Delta R.T. -0.02 min
 Lab File: VX013172.D
 Acq: 22 Oct 2019 12:55

Instrument :
 MSVOA_X
 ClientSampleId :

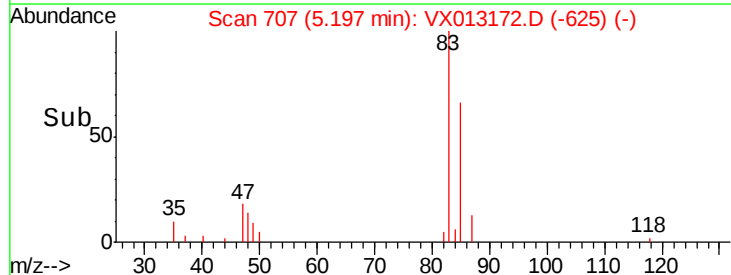
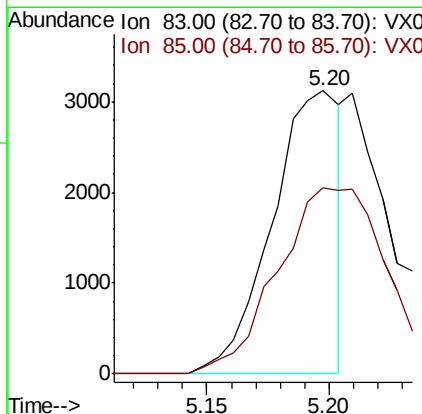
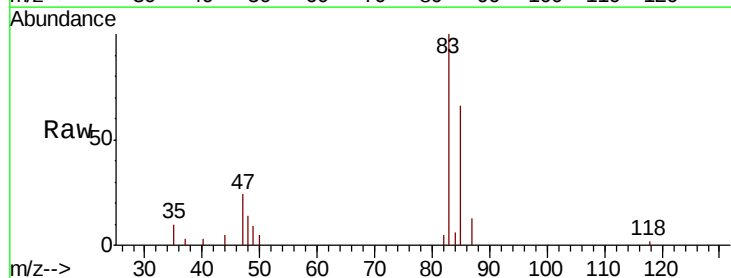
Tot Ion: 59 Resp: 2621
 Ion Ratio Lower Upper
 59 100
 52 4.7 0.0 0.0#

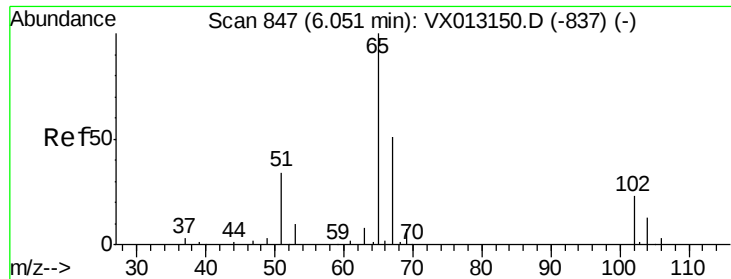


#25

Chloroform
 Concen: 2.016 ug/l
 RT: 5.20 min Scan# 707
 Delta R.T. 0.00 min
 Lab File: VX013172.D
 Acq: 22 Oct 2019 12:55

Tgt Ion: 83 Resp: 6073
 Ion Ratio Lower Upper
 83 100
 85 65.6 52.0 78.0





#27

1,2-Dichloroethane-d4

Concen: 30.130 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013172.D

Acq: 22 Oct 2019 12:55

Instrument :

MSVOA_X

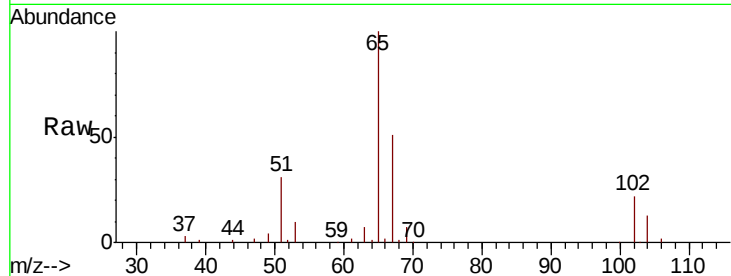
ClientSampleId :

Tot Ion: 65 Resp: 59342

Ion Ratio Lower Upper

65 100

67 50.0 42.2 63.4



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

6.06

25000

20000

15000

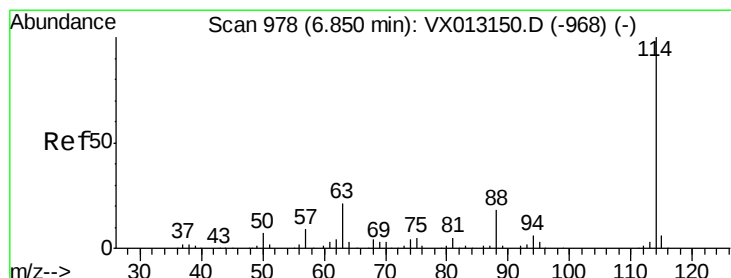
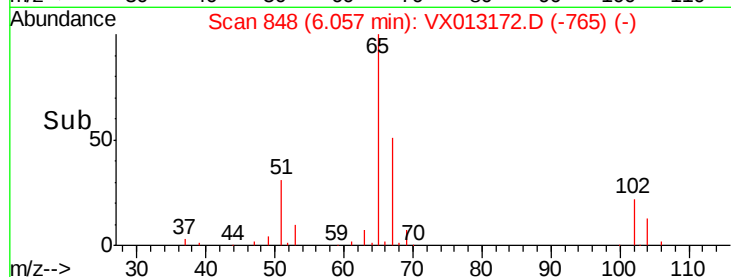
10000

5000

0

Time-->

5.95 6.00 6.05 6.10 6.15



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013172.D

Acq: 22 Oct 2019 12:55

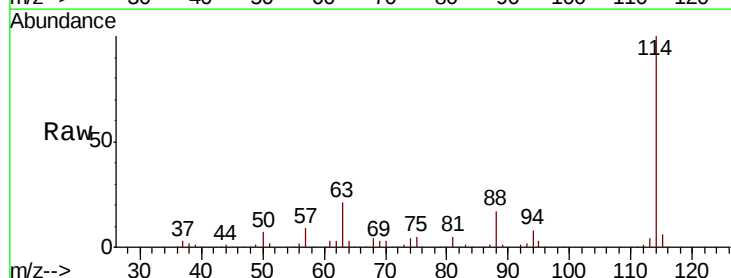
Tgt Ion: 114 Resp: 140679

Ion Ratio Lower Upper

114 100

63 20.4 16.1 24.1

88 17.3 13.7 20.5



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

80000

60000

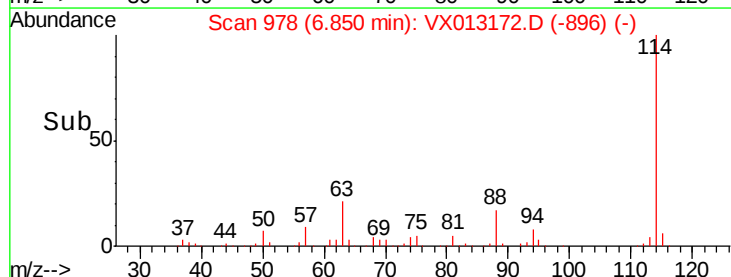
40000

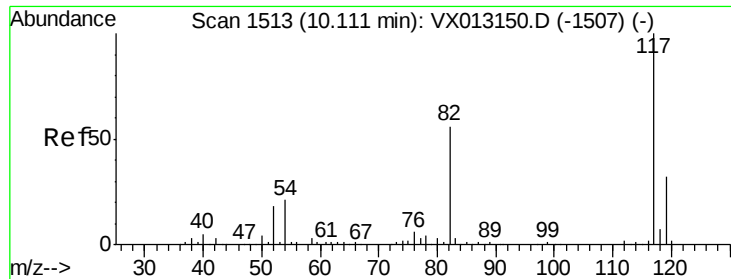
20000

0

Time-->

6.80 6.90

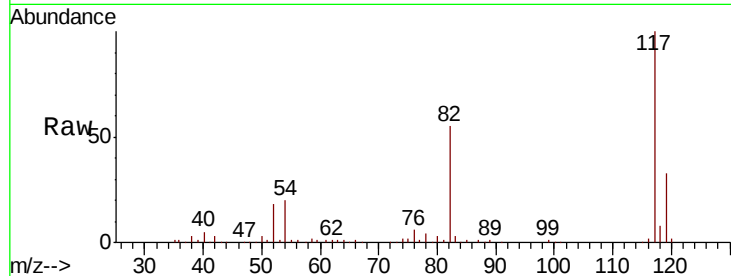




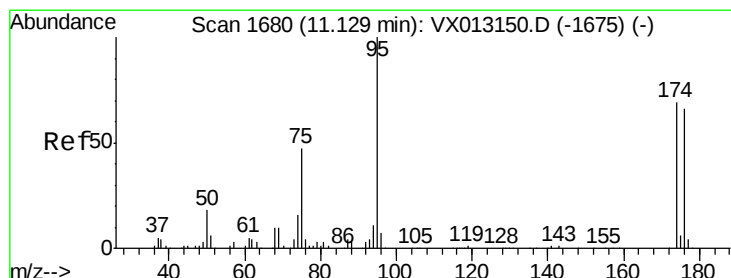
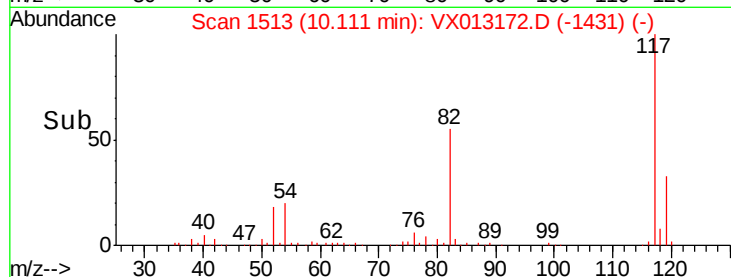
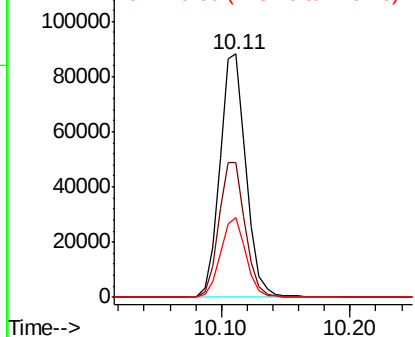
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013172.D
Acq: 22 Oct 2019 12:55

Instrument :
MSVOA_X
ClientSampled :

Tot Ion:117 Resp: 125591
Ion Ratio Lower Upper
117 100
82 55.9 46.0 69.0
119 31.7 25.4 38.0

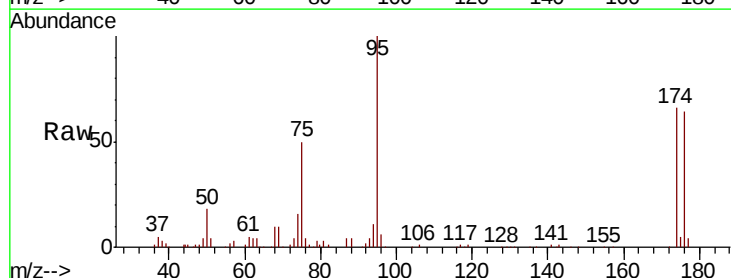


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 119.00 (118.70 to 119.70): V

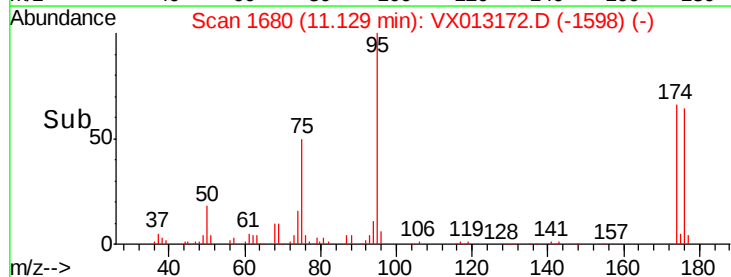
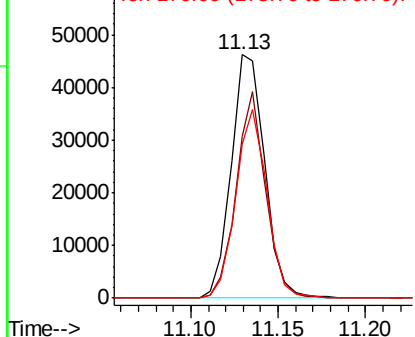


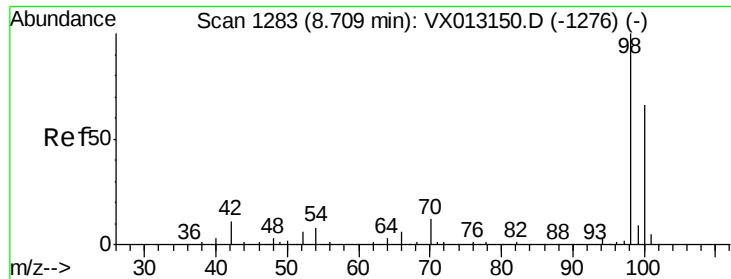
#60
4-Bromofluorobenzene
Concen: 28.247 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX013172.D
Acq: 22 Oct 2019 12:55

Tgt Ion: 95 Resp: 61775
Ion Ratio Lower Upper
95 100
174 74.3 60.0 90.0
176 72.1 58.5 87.7



Abundance Ion 95.00 (94.70 to 95.70): VX0
Ion 174.00 (173.70 to 174.70): V
Ion 176.00 (175.70 to 176.70): V





#63

Toluene-d8

Concen: 30.060 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013172.D

Acq: 22 Oct 2019 12:55

Instrument :

MSVOA_X

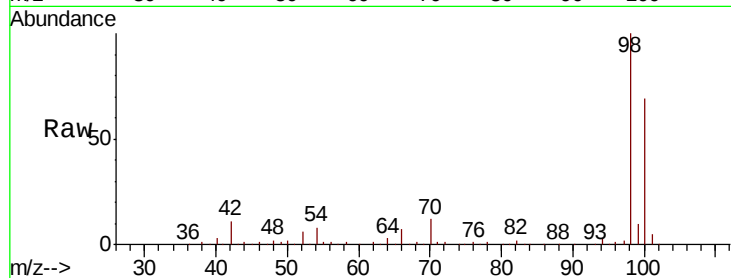
ClientSampleId :

Tot Ion: 98 Resp: 167909

Ion Ratio Lower Upper

98 100

100 66.4 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

120000

100000

80000

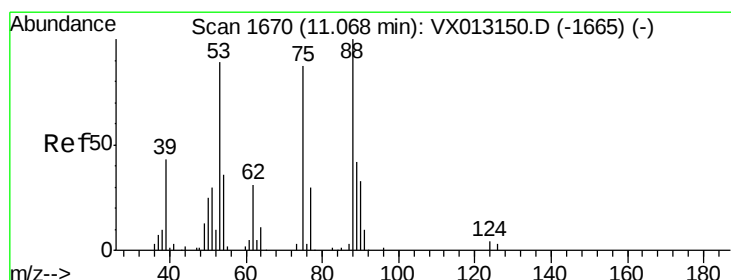
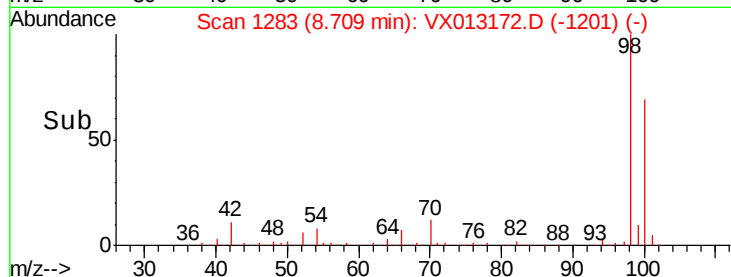
60000

40000

20000

0

Time-->



#77

t-1,4-Dichloro-2-butene

Concen: 37.151 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX013172.D

Acq: 22 Oct 2019 12:55

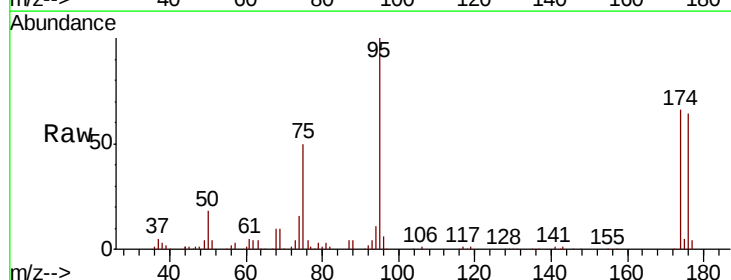
Tgt Ion: 75 Resp: 29823

Ion Ratio Lower Upper

75 100

53 0.0 51.1 153.4#

89 0.0 24.1 72.4#



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

30000

25000

20000

15000

10000

5000

0

Time-->

