

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX031519\
 Data File : VX008105.D
 Acq On : 15 Mar 2019 14:03
 Operator : JC/SP
 Sample : K1881-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 55-ST-4

Quant Time: Mar 15 14:32:59 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\624X030819W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Mar 08 12:01:36 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	41375	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	209500	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	180018	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	75956	27.93	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	93.10%
60) 4-Bromofluorobenzene	11.13	95	77488	26.97	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	89.90%
63) Toluene-d8	8.71	98	240071	29.14	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.13%

Target Compounds

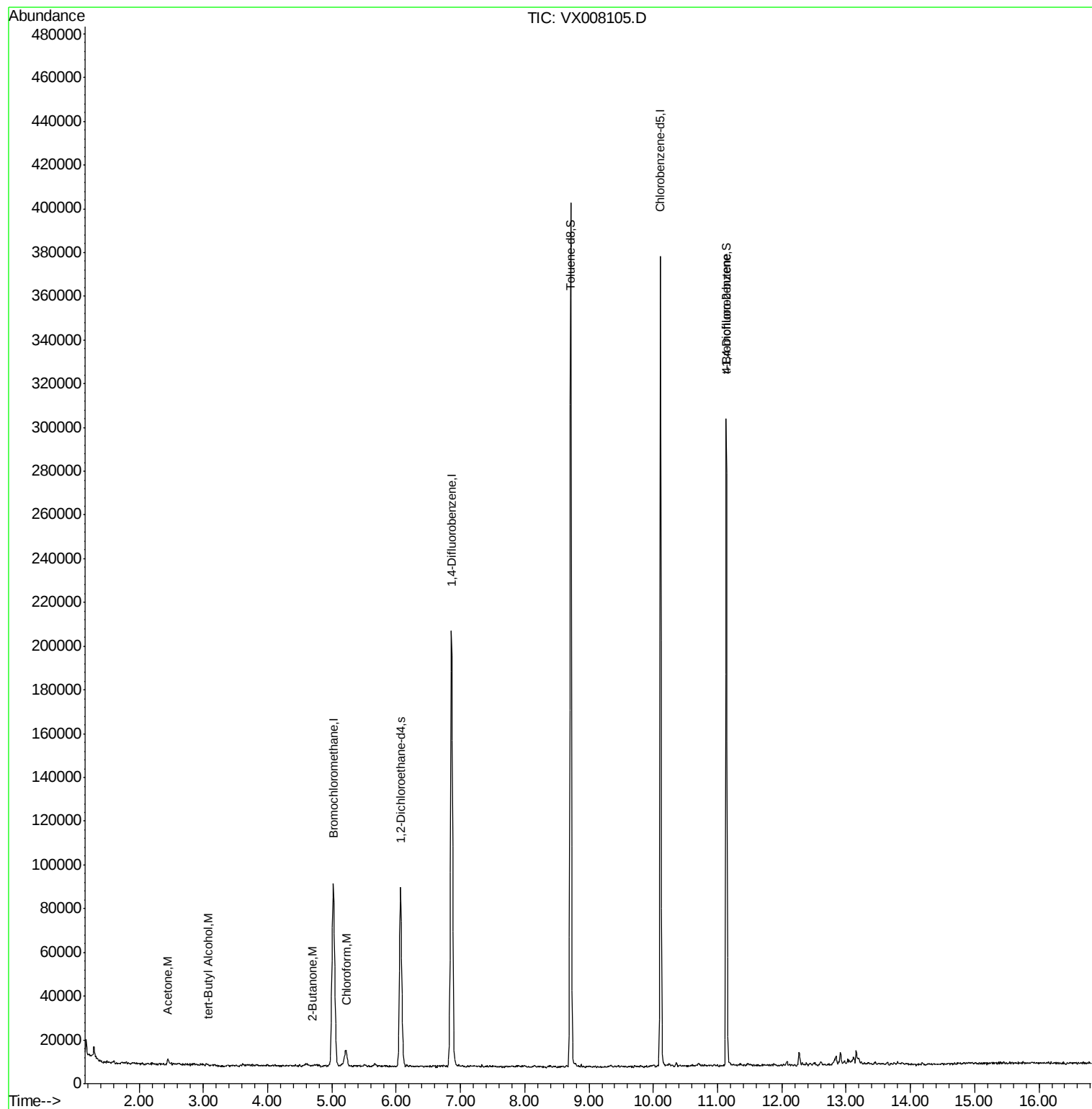
					Qvalue
15) Acetone	2.45	58	836	1.437	ug/l 100
23) tert-Butyl Alcohol	3.07	59	394	0.606	ug/l # 100
25) Chloroform	5.22	83	8769	1.897	ug/l 95
30) 2-Butanone	4.70	43	532	0.237	ug/l # 55
77) t-1,4-Dichloro-2-butene	11.13	75	34738	32.150	ug/l # 5

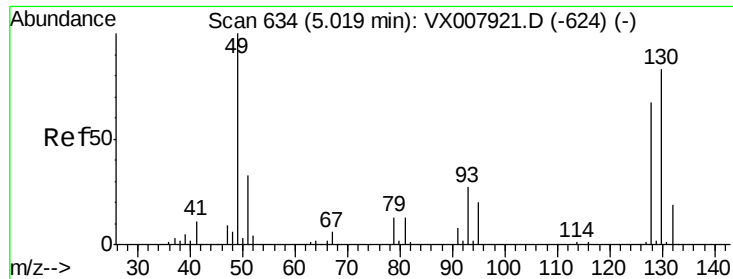
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 08 12:01:36 2019
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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX008105.D

Acq: 15 Mar 2019 14:03

Instrument :

MSVOA_X

ClientSampleId :

55-ST-4

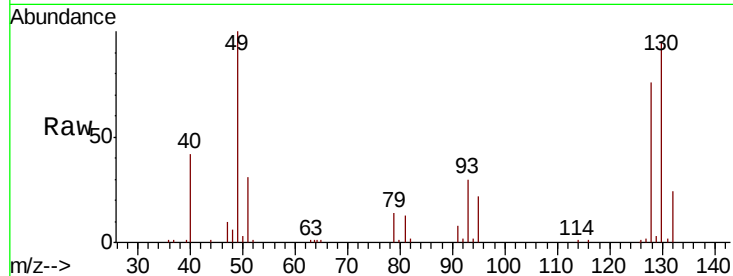
Tgt Ion:128 Resp: 41375

Ion Ratio Lower Upper

128 100

49 132.7 0.0 350.8

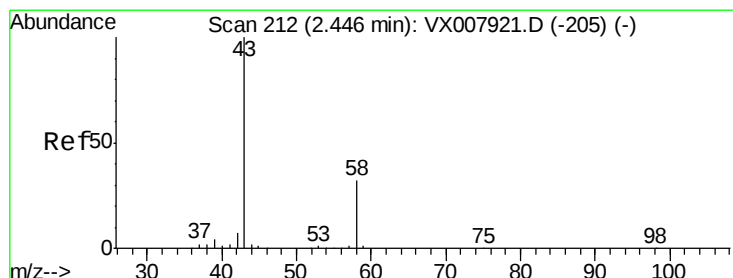
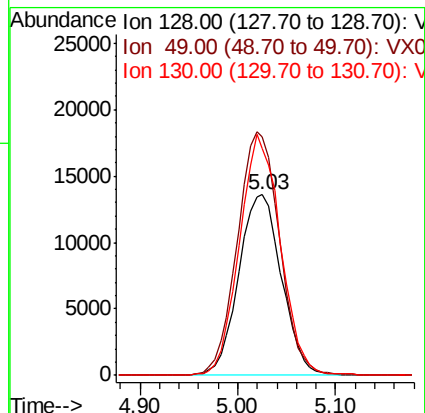
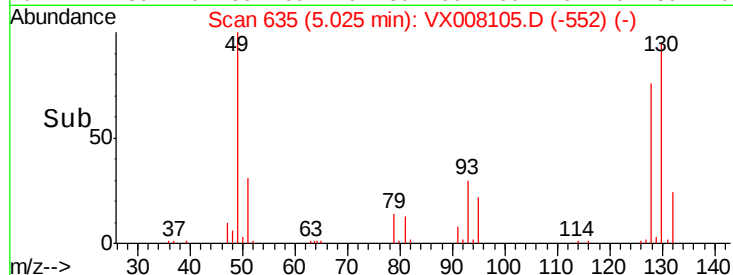
130 127.0 0.0 325.8



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



#15

Acetone

Concen: 1.437 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX008105.D

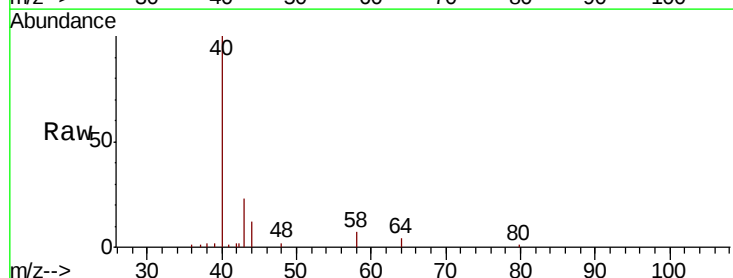
Acq: 15 Mar 2019 14:03

Tgt Ion: 58 Resp: 836

Ion Ratio Lower Upper

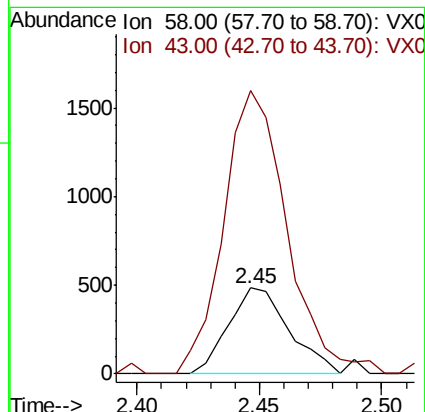
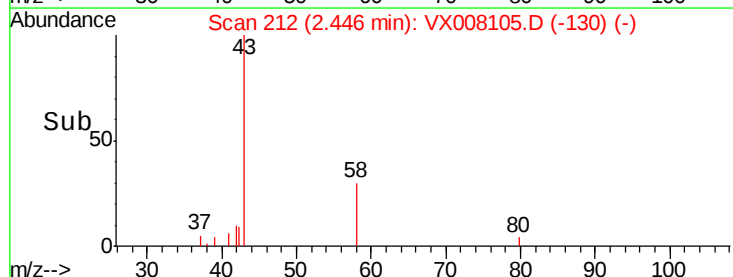
58 100

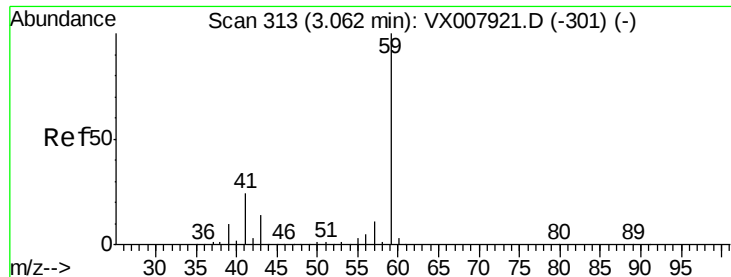
43 313.0 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

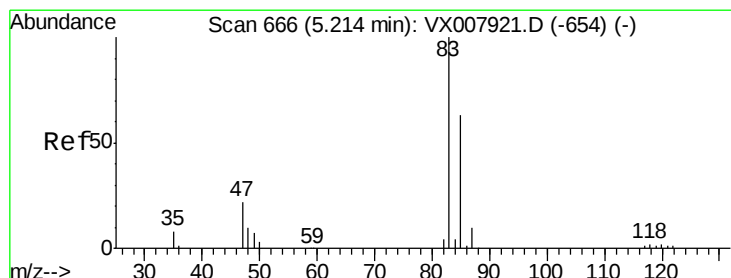
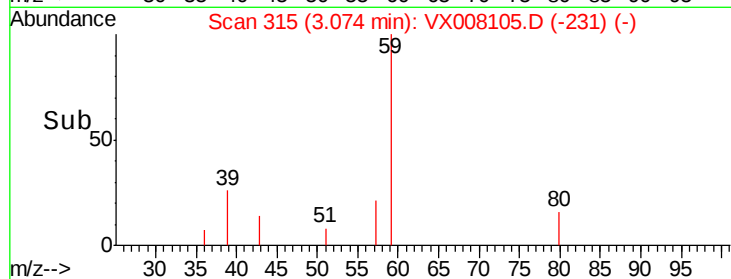
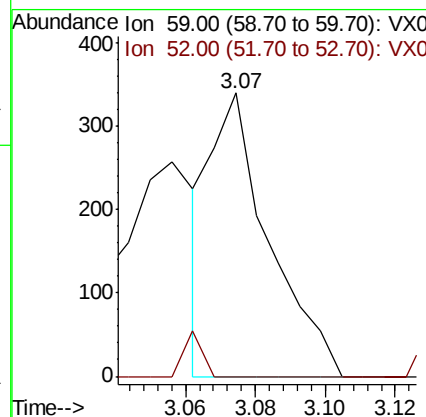
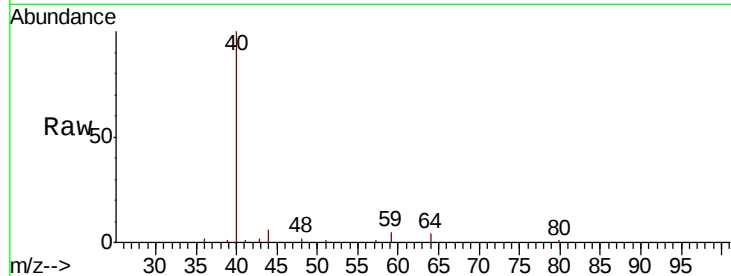




#23
 tert-Butyl Alcohol
 Concen: 0.606 ug/l
 RT: 3.07 min Scan# 315
 Delta R.T. 0.01 min
 Lab File: VX008105.D
 Acq: 15 Mar 2019 14:03

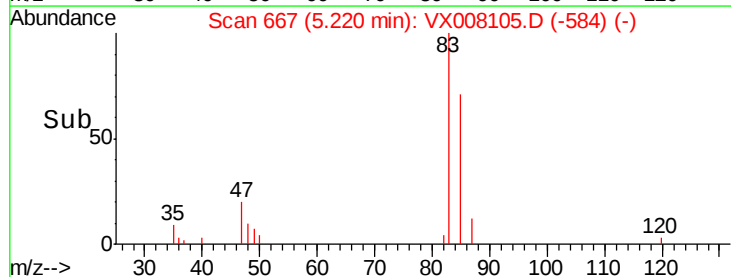
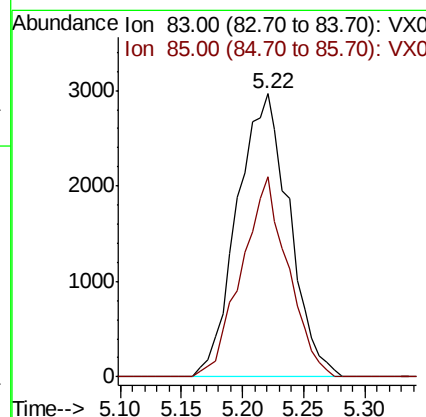
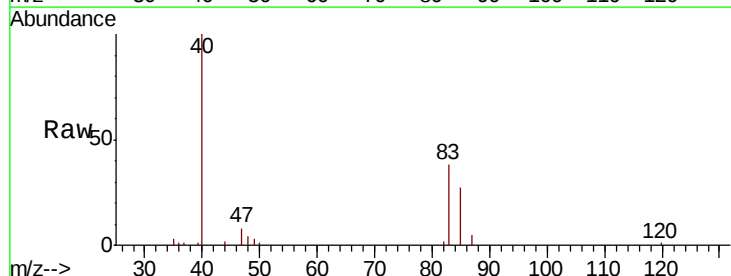
Instrument :
 MSVOA_X
 ClientSampleId :
 55-ST-4

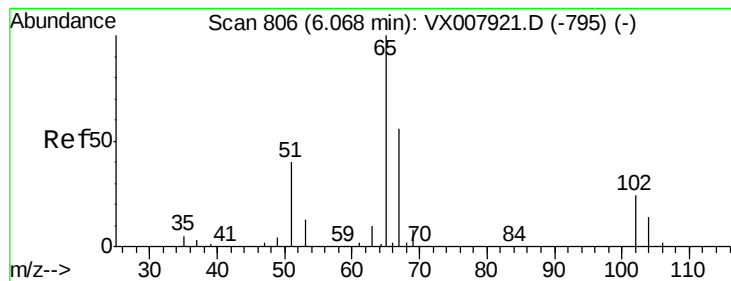
Tgt Ion: 59 Resp: 394
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.2 0.2#



#25
 Chloroform
 Concen: 1.897 ug/l
 RT: 5.22 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VX008105.D
 Acq: 15 Mar 2019 14:03

Tgt Ion: 83 Resp: 8769
 Ion Ratio Lower Upper
 83 100
 85 70.9 53.8 80.6





#27

1,2-Dichloroethane-d4

Concen: 27.930 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX008105.D

Acq: 15 Mar 2019 14:03

Instrument :

MSVOA_X

ClientSampleId :

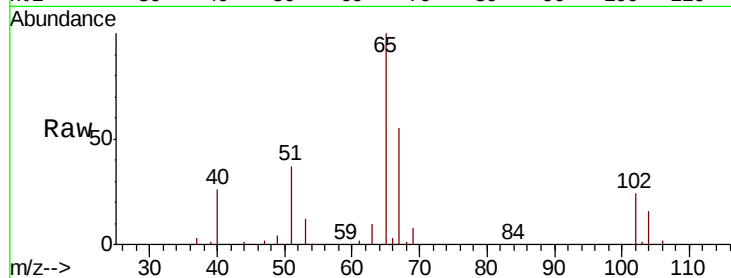
55-ST-4

Tgt Ion: 65 Resp: 75956

Ion Ratio Lower Upper

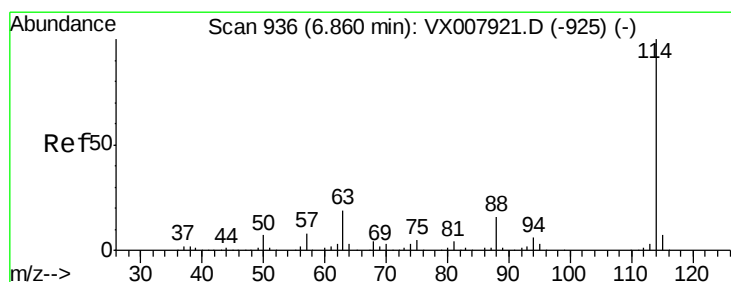
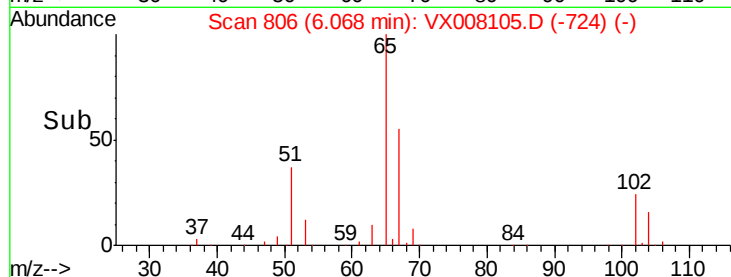
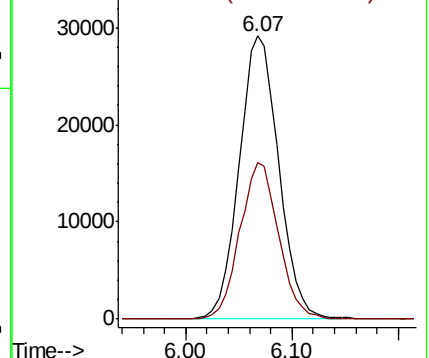
65 100

67 54.1 42.9 64.3



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX008105.D

Acq: 15 Mar 2019 14:03

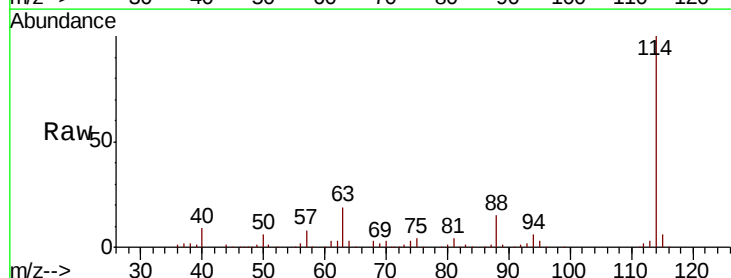
Tgt Ion: 114 Resp: 209500

Ion Ratio Lower Upper

114 100

63 18.6 14.2 21.4

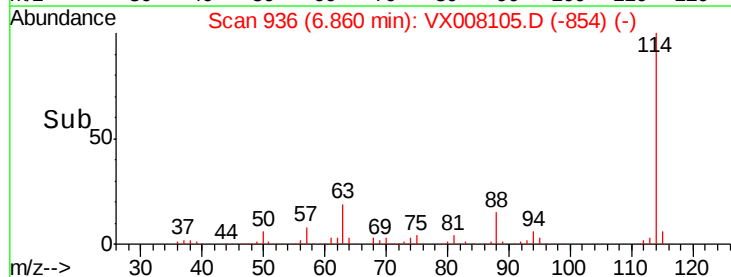
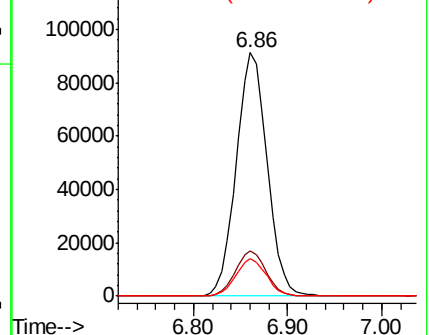
88 15.1 11.9 17.9

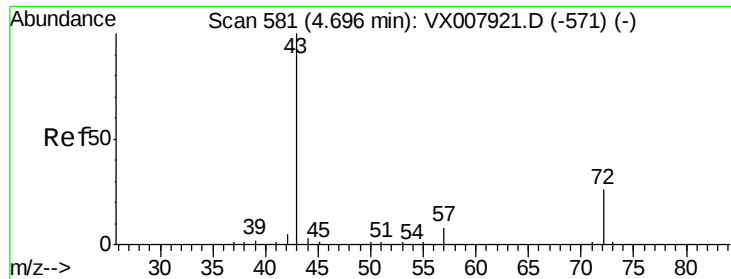


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

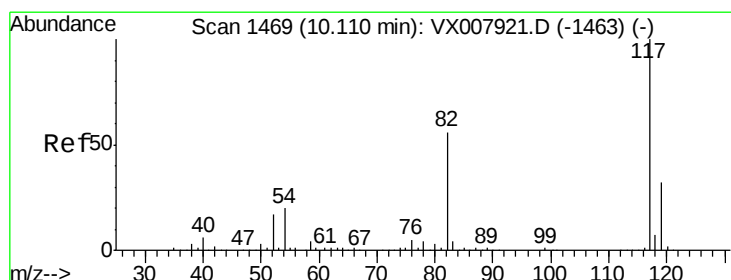
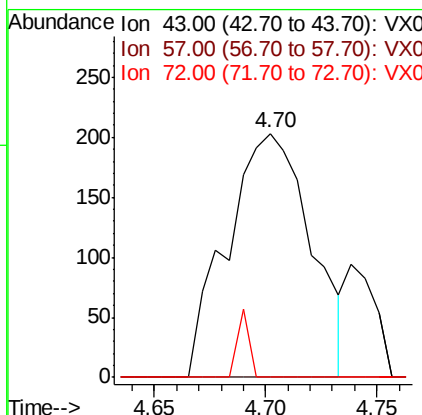
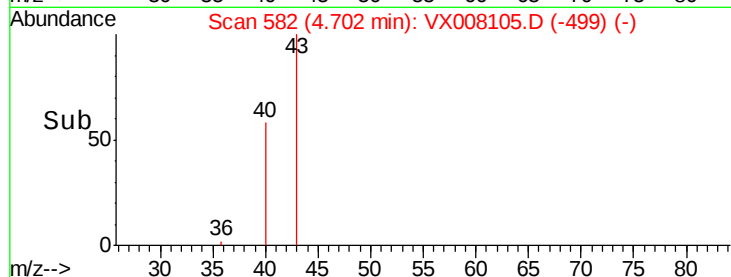
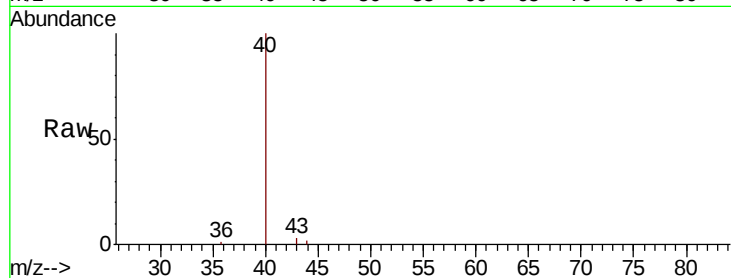




#30
2-Butanone
Concen: 0.237 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX008105.D
Acq: 15 Mar 2019 14:03

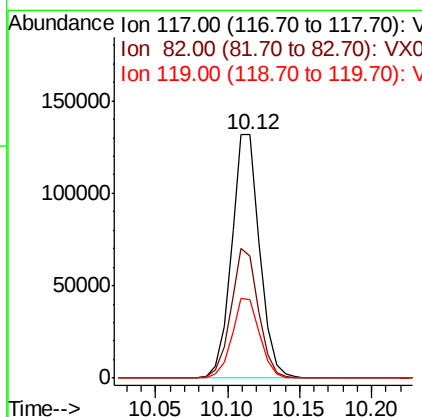
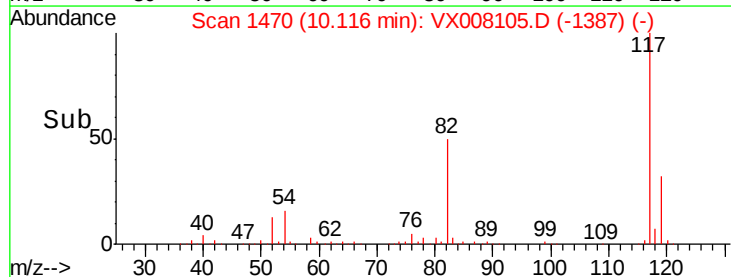
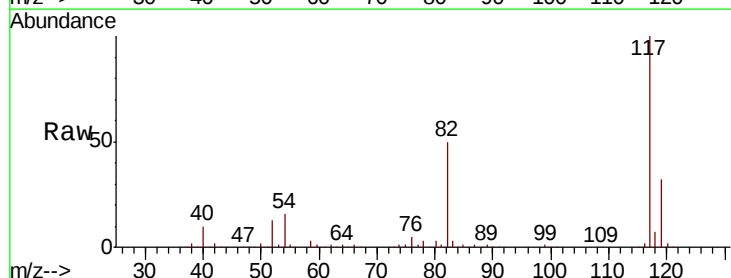
Instrument :
MSVOA_X
ClientSampled :
55-ST-4

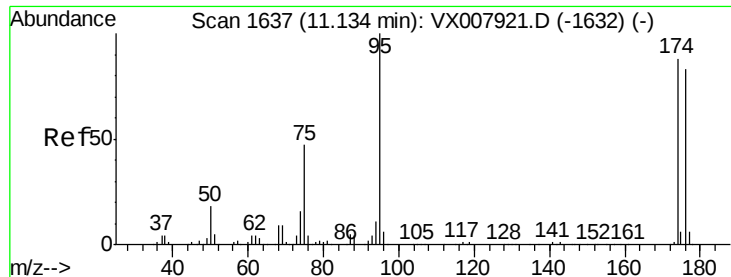
Tgt Ion: 43 Resp: 532
Ion Ratio Lower Upper
43 100
57 0.0 7.0 10.6#
72 0.0 21.5 32.3#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX008105.D
Acq: 15 Mar 2019 14:03

Tgt Ion: 117 Resp: 180018
Ion Ratio Lower Upper
117 100
82 51.9 40.4 60.6
119 32.6 25.8 38.6

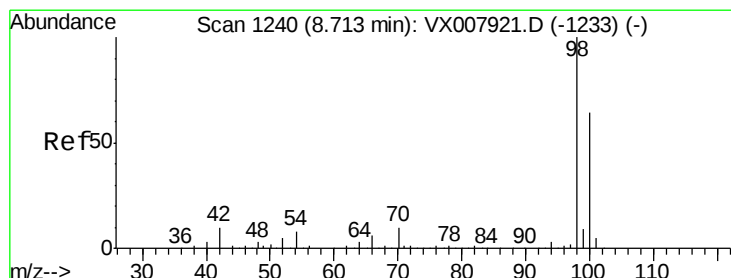
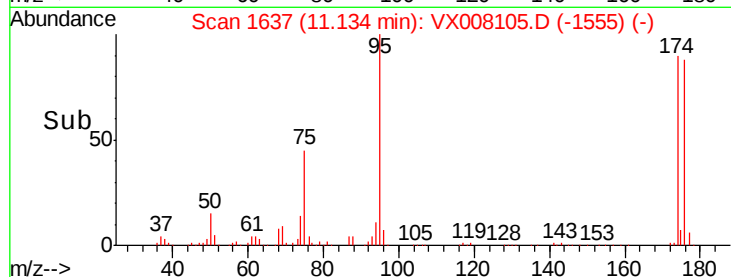
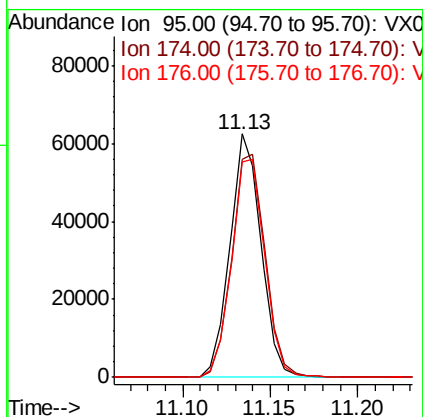
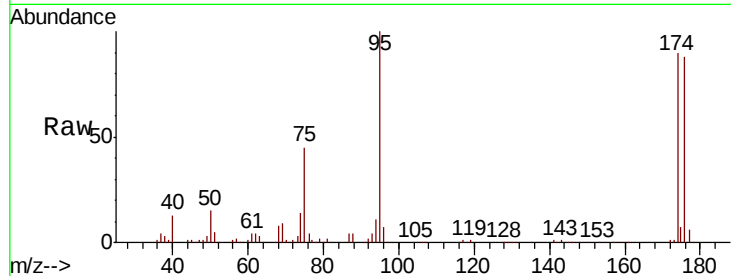




#60
4-Bromofluorobenzene
Concen: 26.968 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX008105.D
Acq: 15 Mar 2019 14:03

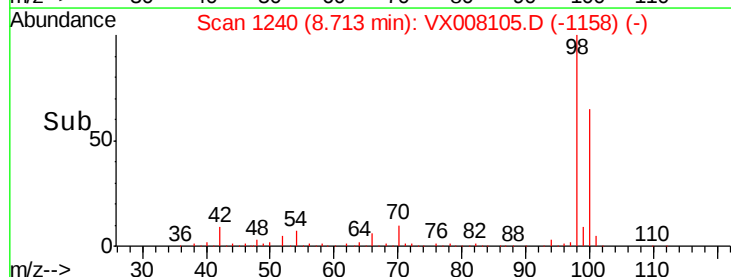
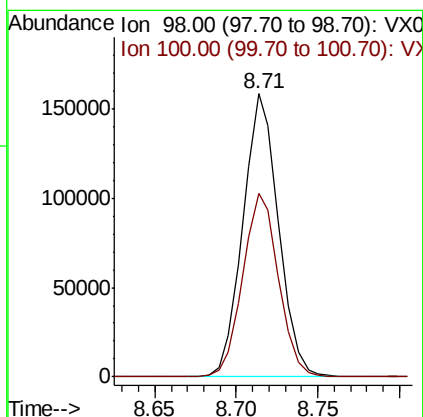
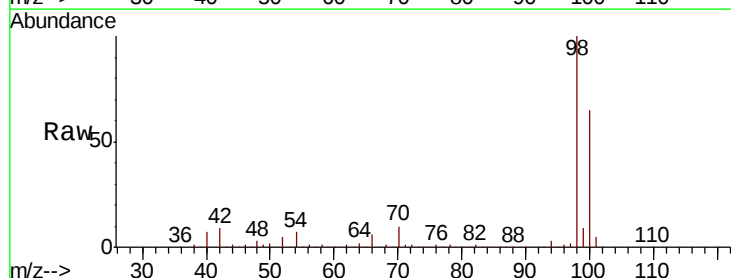
Instrument :
MSVOA_X
ClientSampled :
55-ST-4

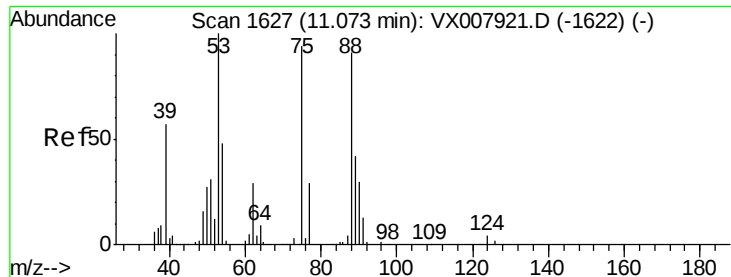
Tgt Ion: 95 Resp: 77488
Ion Ratio Lower Upper
95 100
174 98.1 74.9 112.3
176 95.7 70.7 106.1



#63
Toluene-d8
Concen: 29.141 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX008105.D
Acq: 15 Mar 2019 14:03

Tgt Ion: 98 Resp: 240071
Ion Ratio Lower Upper
98 100
100 65.3 50.9 76.3





#77
t-1,4-Dichloro-2-butene
Concen: 32.150 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.06 min
Lab File: VX008105.D
Acq: 15 Mar 2019 14:03

Instrument :
MSVOA_X
ClientSampleId :
55-ST-4

Tgt Ion: 75 Resp: 34738
Ion Ratio Lower Upper
75 100
53 0.0 55.5 166.7#
89 0.0 24.4 73.2#

