

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022219\
 Data File : VX007653.D
 Acq On : 22 Feb 2019 12:16
 Operator : JC/SP
 Sample : K1568-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 55-ST-1

Quant Time: Feb 25 09:51:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X021319W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Feb 13 07:51:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.03	128	65480	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	315557	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	273304	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	130181	30.73	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.43%
60) 4-Bromofluorobenzene	11.13	95	115653	27.57	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	91.90%
63) Toluene-d8	8.71	98	369510	29.91	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.70%

Target Compounds

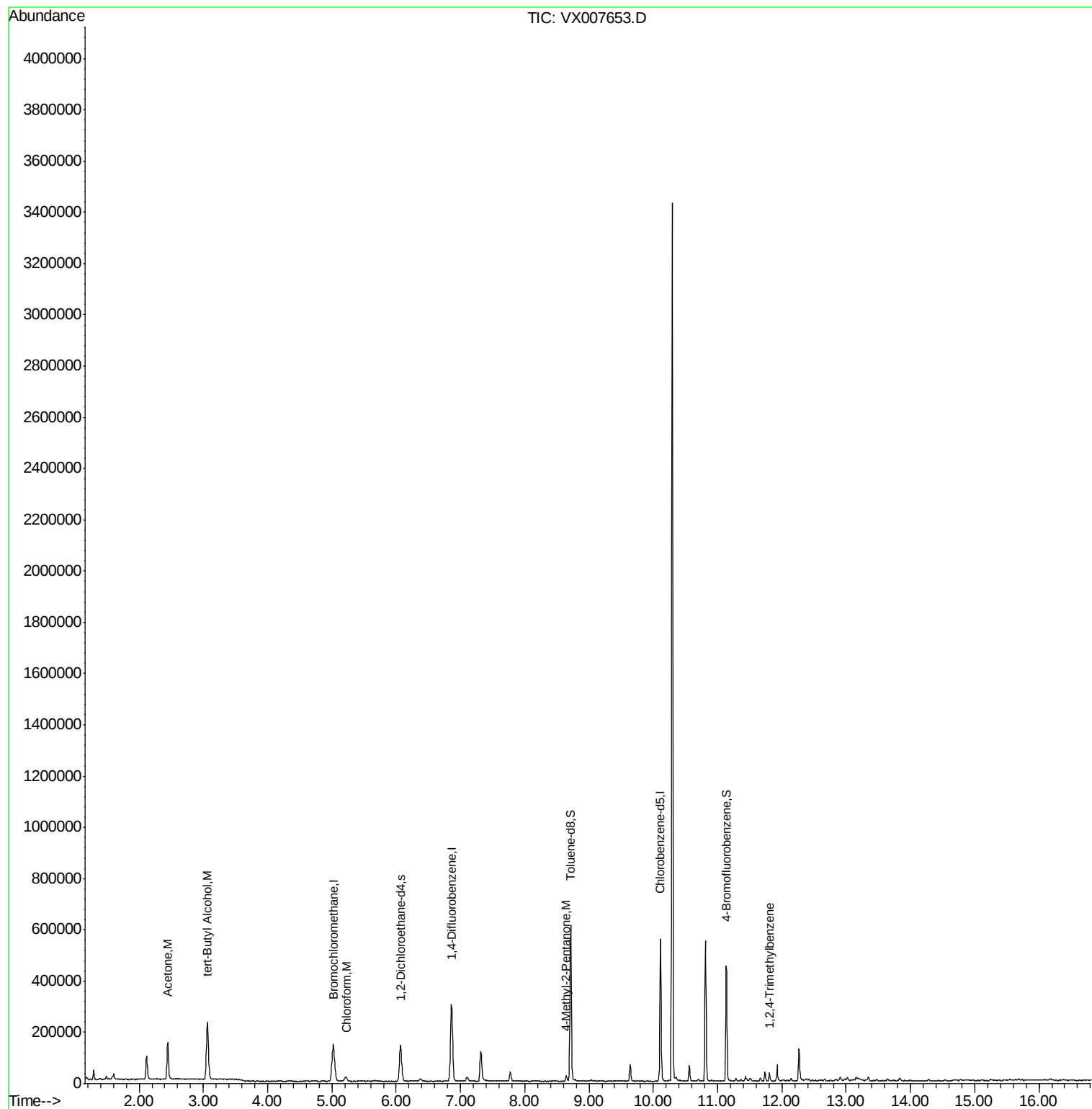
					Ovalue
15) Acetone	2.45	58	49347	79.546	ug/l 91
23) tert-Butyl Alcohol	3.06	59	267973	278.915	ug/l # 100
25) Chloroform	5.22	83	18148	2.631	ug/l 96
58) 4-Methyl-2-Pentanone	8.65	43	12448	2.532	ug/l 93
80) 1,2,4-Trimethylbenzene	11.80	105	14199	1.075	ug/l 95

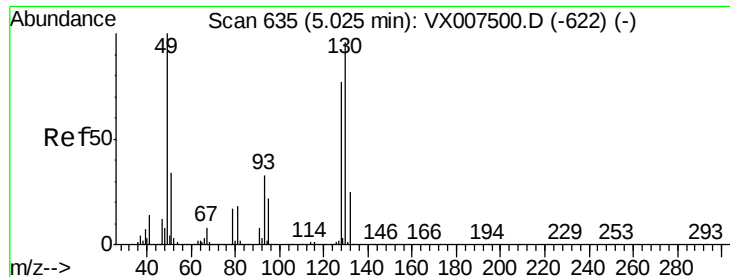
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 13 07:51:18 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.03 min Scan# 635

Delta R.T. 0.00 min

Lab File: VX007653.D

Acq: 22 Feb 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

55-ST-1

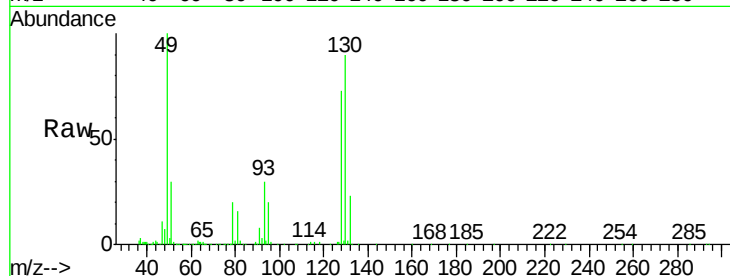
Tot Ion:128 Resp: 65480

Ion Ratio Lower Upper

128 100

49 139.9 0.0 350.8

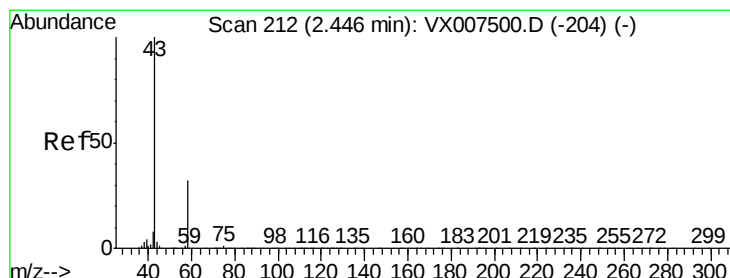
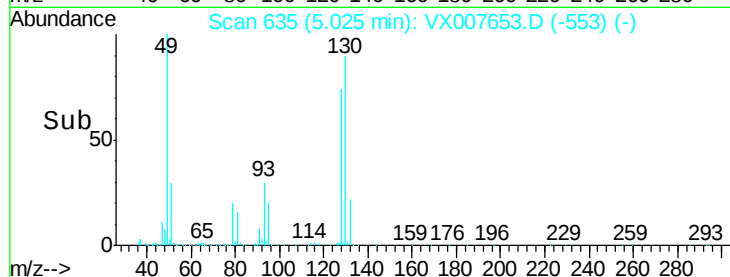
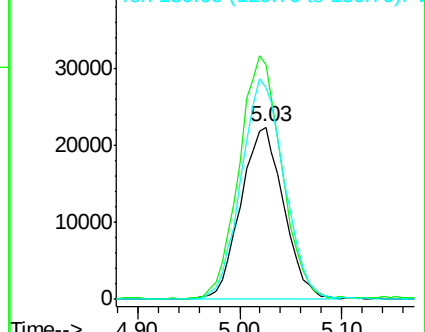
130 127.0 0.0 325.8



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: 79.546 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007653.D

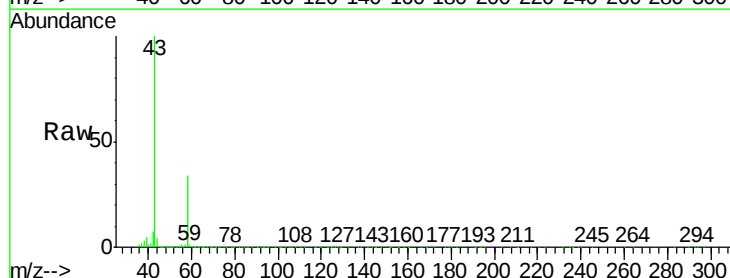
Acq: 22 Feb 2019 12:16

Tgt Ion: 58 Resp: 49347

Ion Ratio Lower Upper

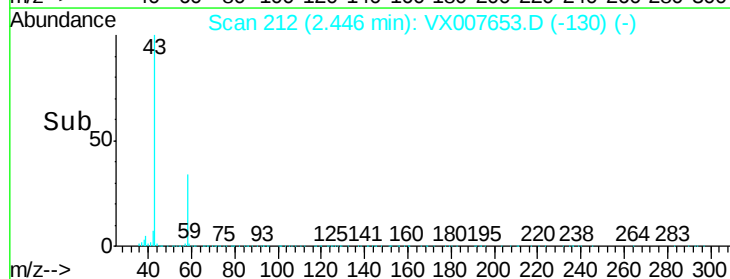
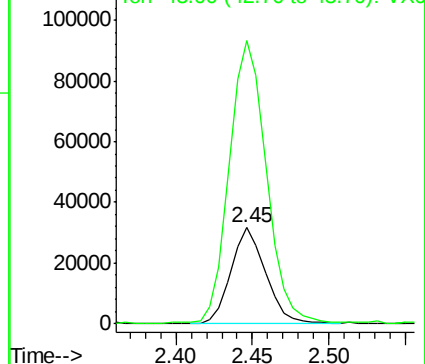
58 100

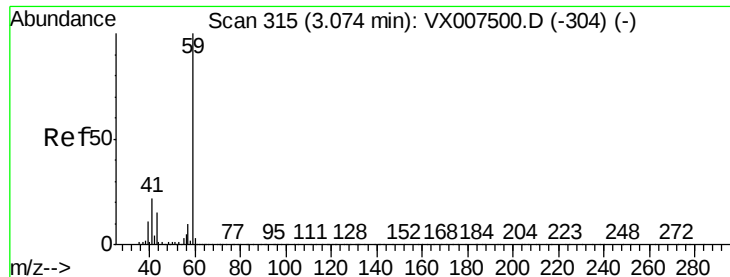
43 294.4 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0



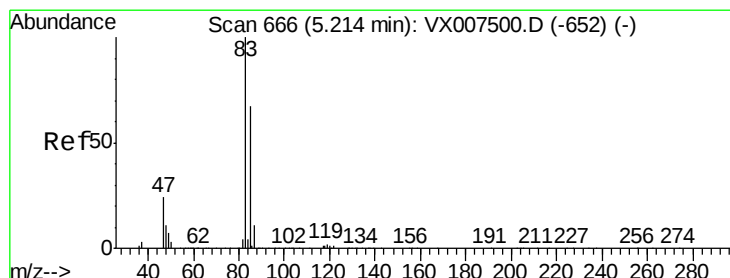
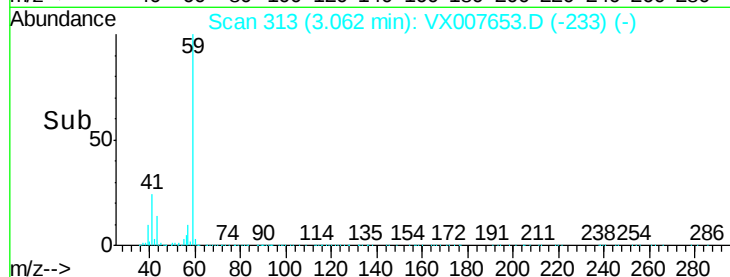
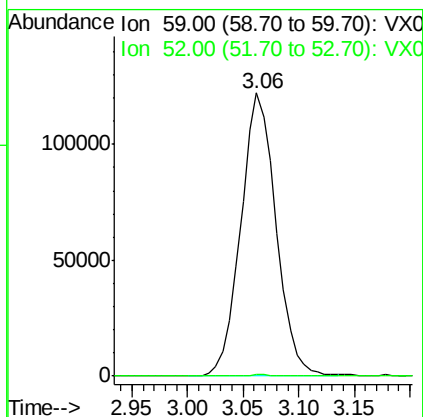
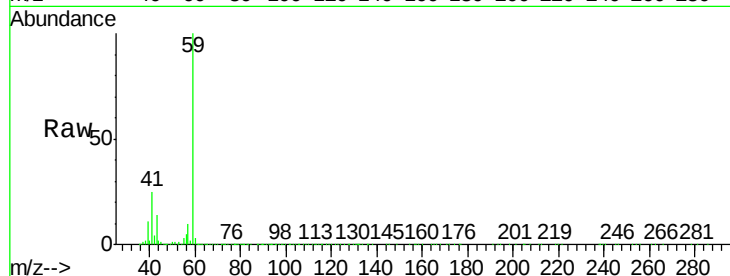


#23

tert-Butyl Alcohol
 Concen: 278.915 ug/l
 RT: 3.06 min Scan# 313
 Delta R.T. -0.01 min
 Lab File: VX007653.D
 Acq: 22 Feb 2019 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 55-ST-1

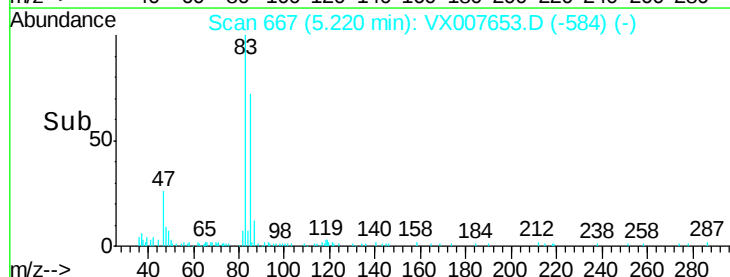
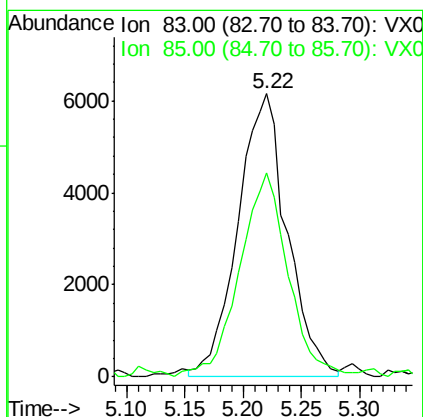
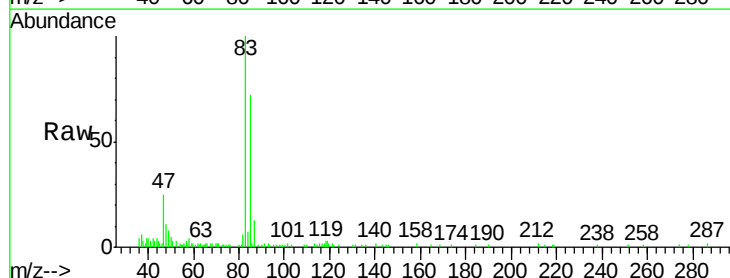
Tot Ion: 59 Resp: 267973
 Ion Ratio Lower Upper
 59 100
 52 0.3 0.2 0.2#

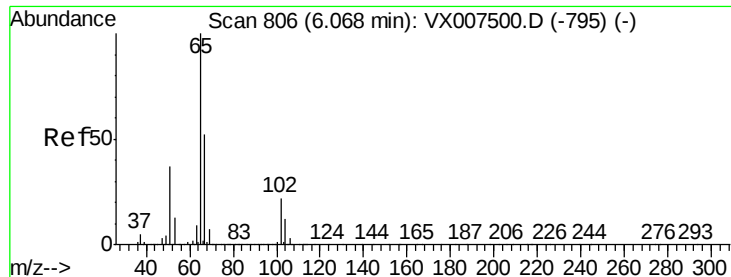


#25

Chloroform
 Concen: 2.631 ug/l
 RT: 5.22 min Scan# 667
 Delta R.T. 0.01 min
 Lab File: VX007653.D
 Acq: 22 Feb 2019 12:16

Tgt Ion: 83 Resp: 18148
 Ion Ratio Lower Upper
 83 100
 85 70.7 53.8 80.6





#27

1,2-Dichloroethane-d4

Concen: 30.734 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX007653.D

Acq: 22 Feb 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

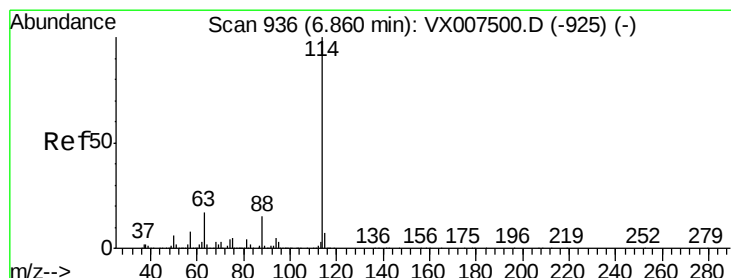
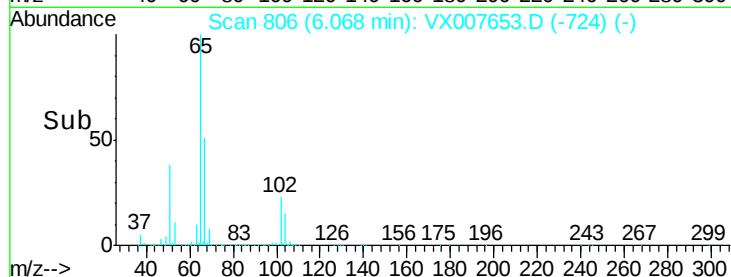
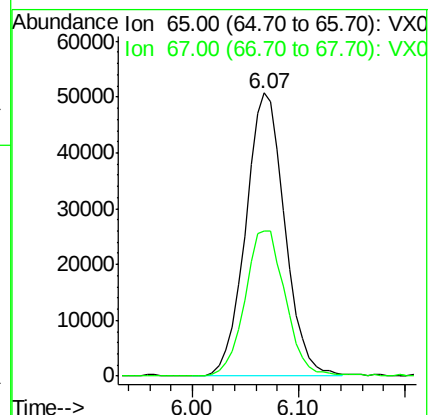
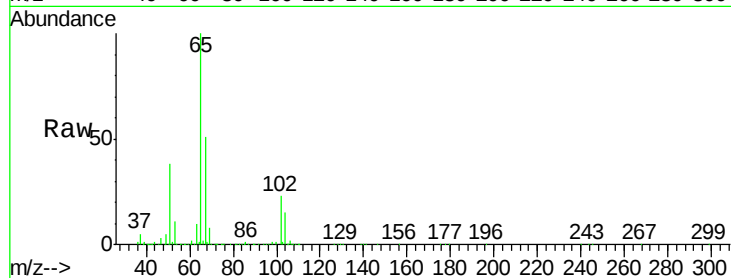
55-ST-1

Tot Ion: 65 Resp: 130181

Ion Ratio Lower Upper

65 100

67 53.3 42.9 64.3



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX007653.D

Acq: 22 Feb 2019 12:16

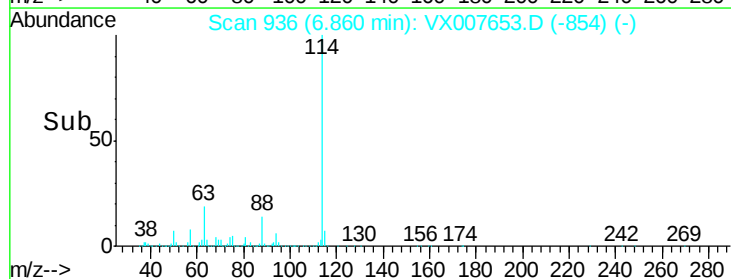
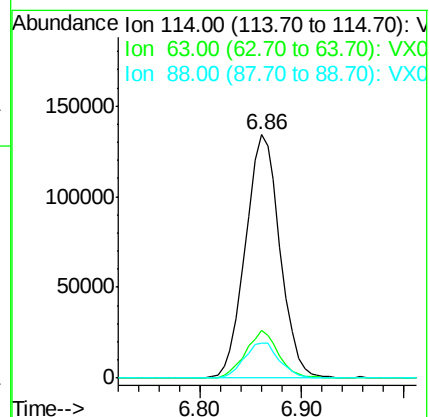
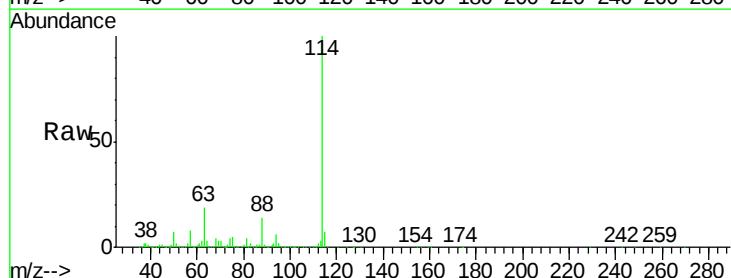
Tgt Ion: 114 Resp: 315557

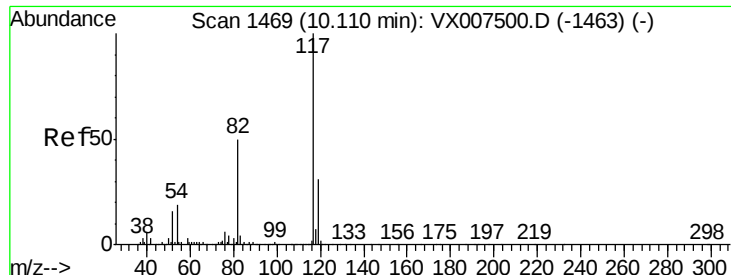
Ion Ratio Lower Upper

114 100

63 18.6 14.2 21.4

88 14.8 11.9 17.9

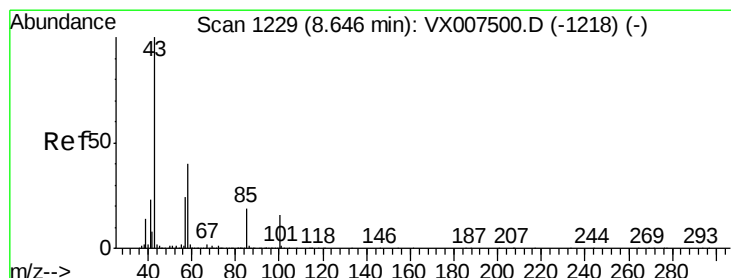
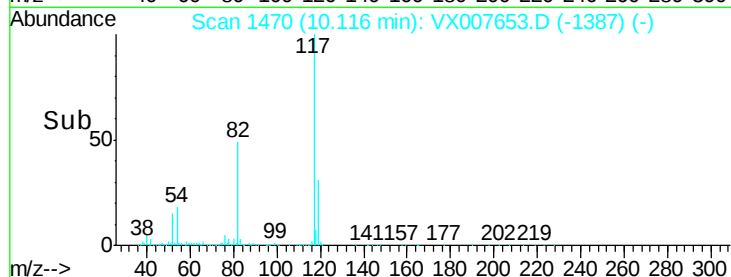
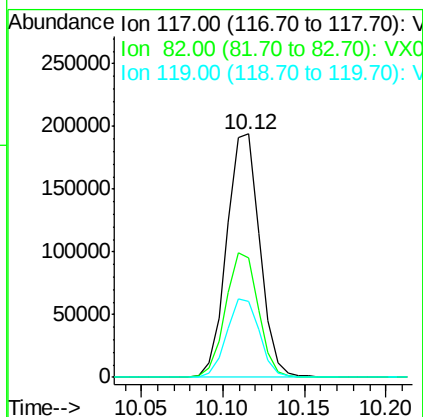
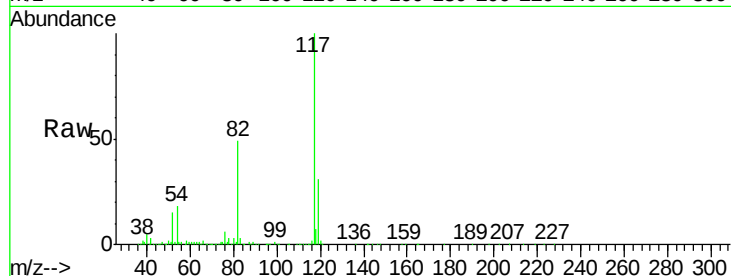




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007653.D
Acq: 22 Feb 2019 12:16

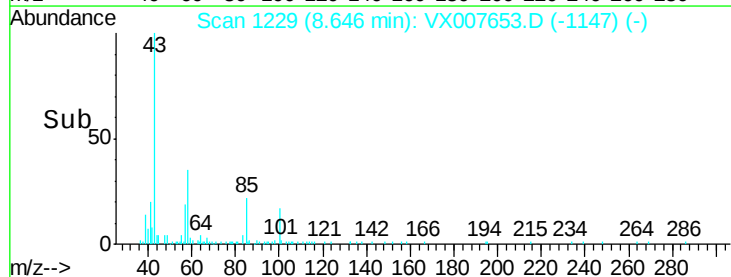
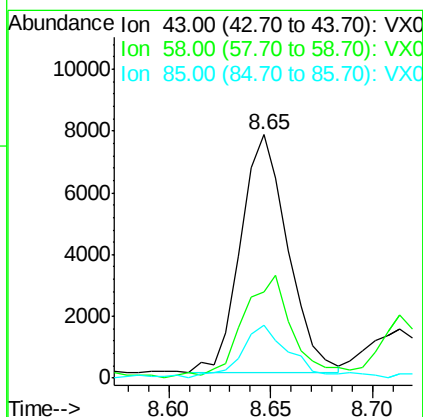
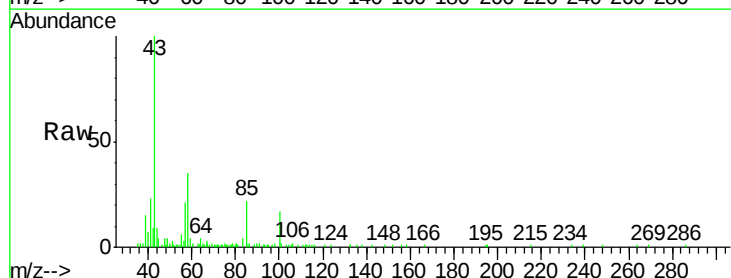
Instrument :
MSVOA_X
ClientSampled :
55-ST-1

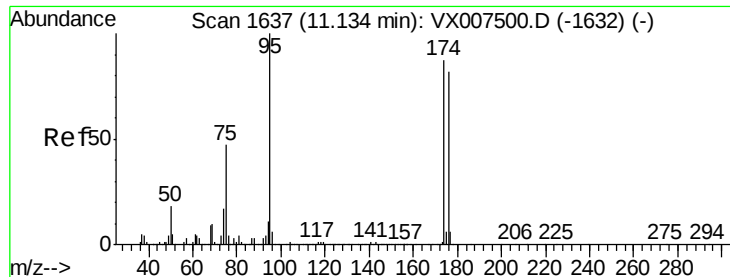
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.7	40.4	60.6
119	32.1	25.8	38.6



#58
4-Methyl-2-Pentanone
Concen: 2.532 ug/l
RT: 8.65 min Scan# 1229
Delta R.T. 0.00 min
Lab File: VX007653.D
Acq: 22 Feb 2019 12:16

Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.6	31.4	47.0
85	21.9	15.0	22.6





#60

4-Bromofluorobenzene

Concen: 27.571 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX007653.D

Acq: 22 Feb 2019 12:16

Instrument :

MSVOA_X

ClientSampleId :

55-ST-1

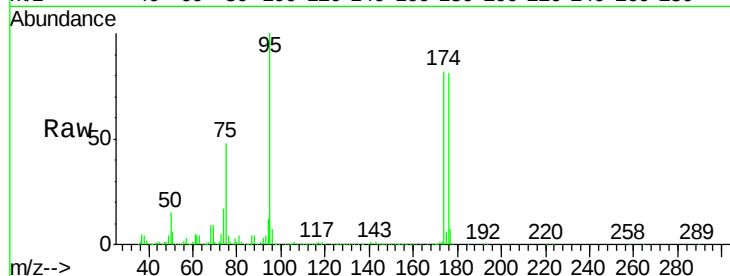
Tot Ion: 95 Resp: 115653

Ion Ratio Lower Upper

95 100

174 91.5 74.9 112.3

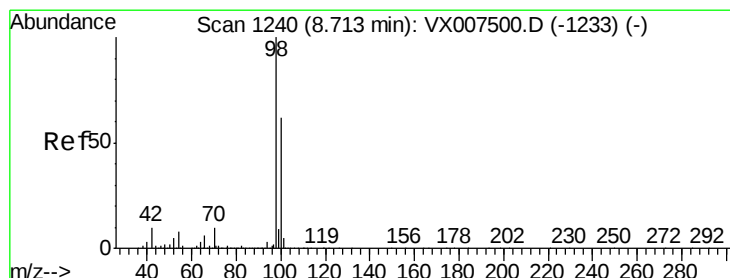
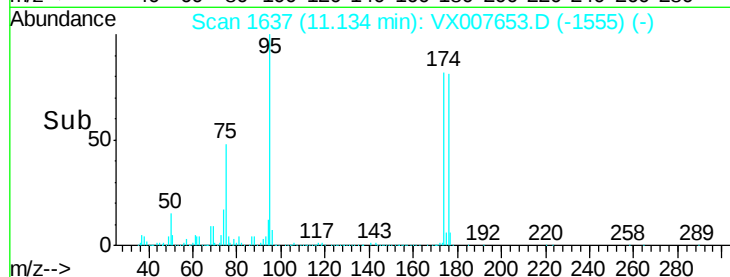
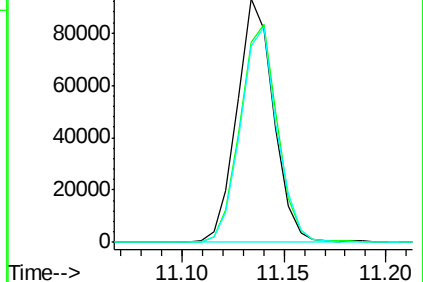
176 89.1 70.7 106.1



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: 29.913 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007653.D

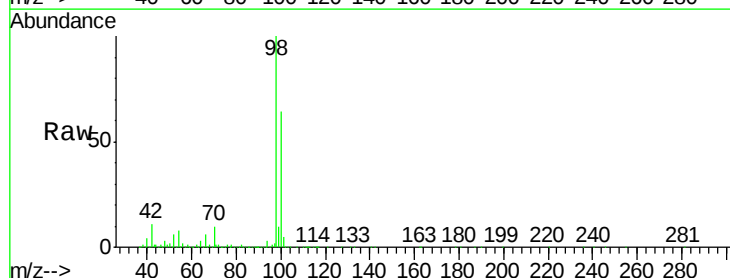
Acq: 22 Feb 2019 12:16

Tgt Ion: 98 Resp: 369510

Ion Ratio Lower Upper

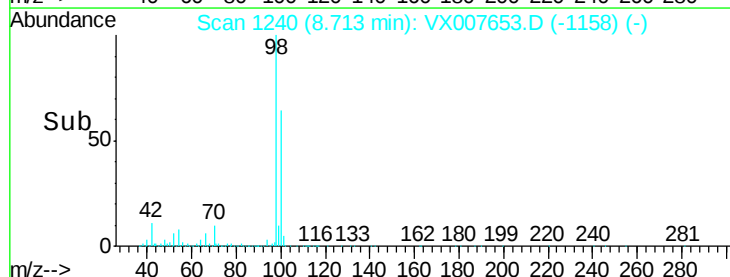
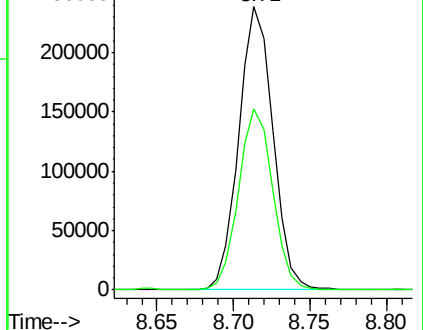
98 100

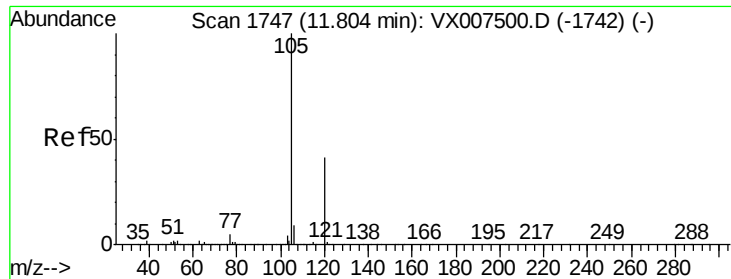
100 64.0 50.9 76.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#80
 1,2,4-Trimethylbenzene
 Concen: 1.075 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX007653.D
 Acq: 22 Feb 2019 12:16

Instrument :
 MSVOA_X
 ClientSampleId :
 55-ST-1

Tot Ion:105 Resp: 14199
 Ion Ratio Lower Upper
 105 100
 120 50.2 0.0 94.0

