

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022219\
 Data File : VX007657.D
 Acq On : 22 Feb 2019 14:03
 Operator : JC/SP
 Sample : K1570-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 25-25

Quant Time: Feb 23 01:11:22 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	64377	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	330788	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.12	117	298186	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.07	65	129432	31.08	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.60%
60) 4-Bromofluorobenzene	11.13	95	127760	27.92	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.07%
63) Toluene-d8	8.71	98	393815	29.22	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	97.40%

Target Compounds

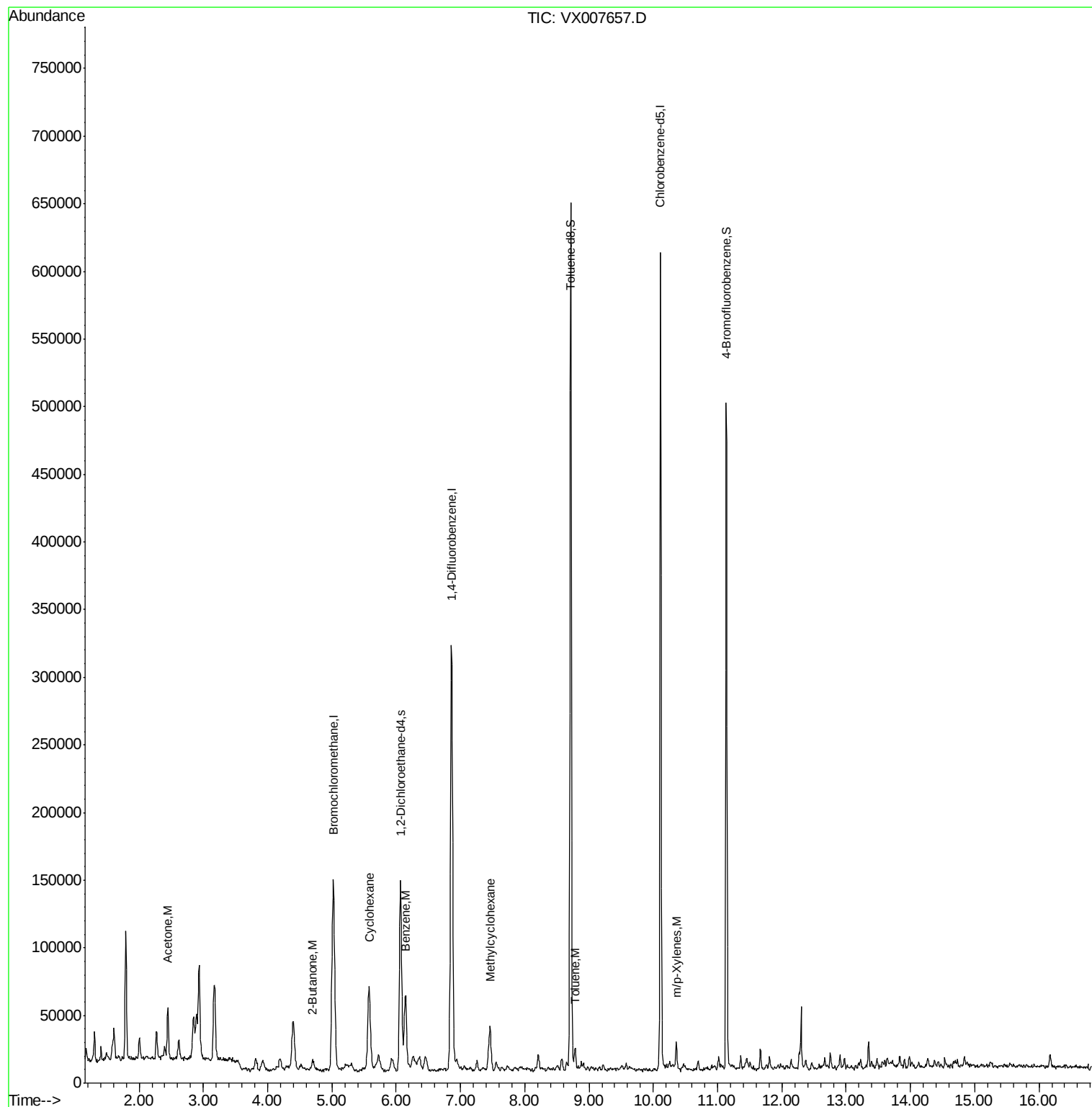
					Ovalue
15) Acetone	2.45	58	12468	20.443	ug/l 86
26) Cyclohexane	5.58	56	40313	7.488	ug/l # 98
30) 2-Butanone	4.70	43	12793	4.685	ug/l # 58
34) Benzene	6.14	78	70275	4.831	ug/l 97
38) Methylcyclohexane	7.46	83	14471	2.709	ug/l 90
62) Toluene	8.79	91	8582	0.528	ug/l 91
67) m/p-Xylenes	10.36	106	5291	0.783	ug/l 95

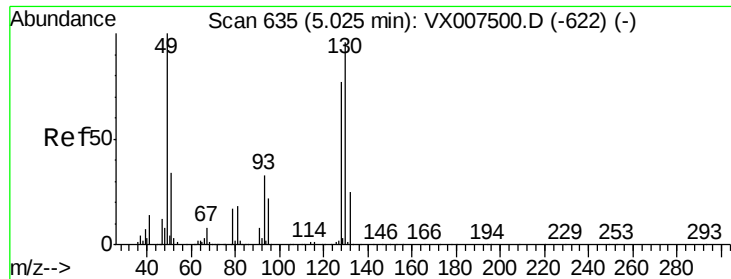
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
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: VX007657.D

Acq: 22 Feb 2019 14:03

Instrument :
MSVOA_X
ClientSampleId :
25-25

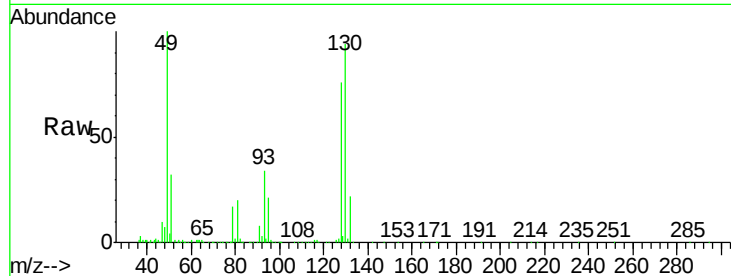
Tot Ion:128 Resp: 64377

Ion Ratio Lower Upper

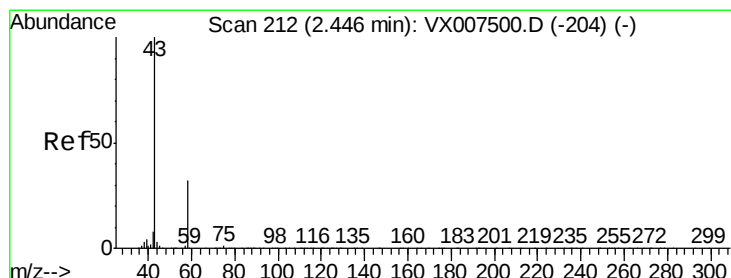
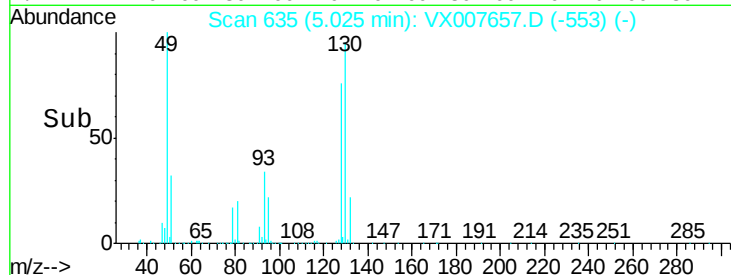
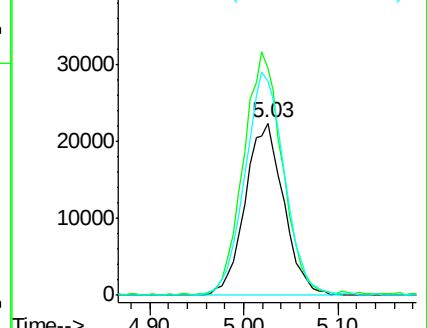
128 100

49 141.3 0.0 350.8

130 132.2 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: 20.443 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX007657.D

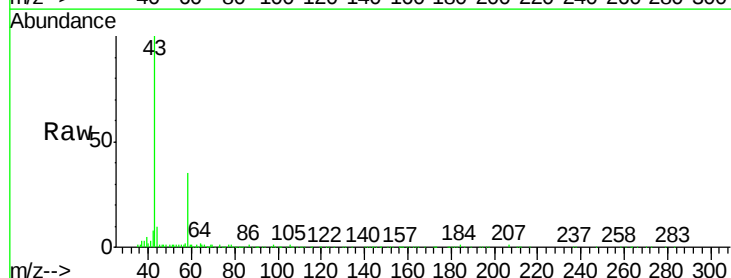
Acq: 22 Feb 2019 14:03

Tgt Ion: 58 Resp: 12468

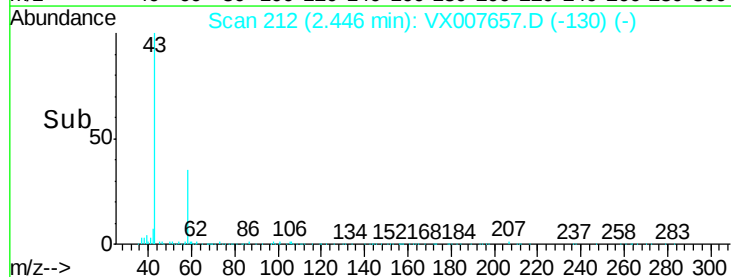
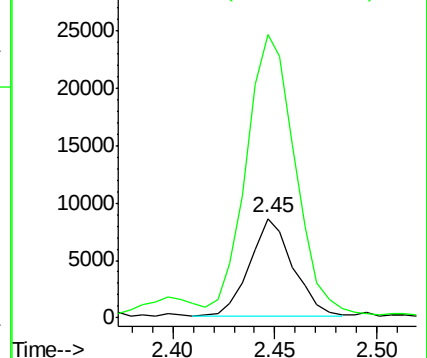
Ion Ratio Lower Upper

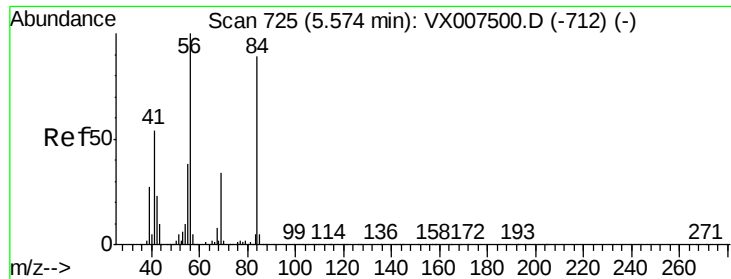
58 100

43 283.3 249.8 374.6



Abundance Ion 58.00 (57.70 to 58.70): VX0
Ion 43.00 (42.70 to 43.70): VX0

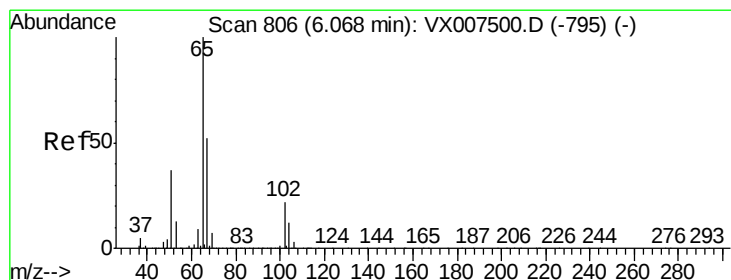
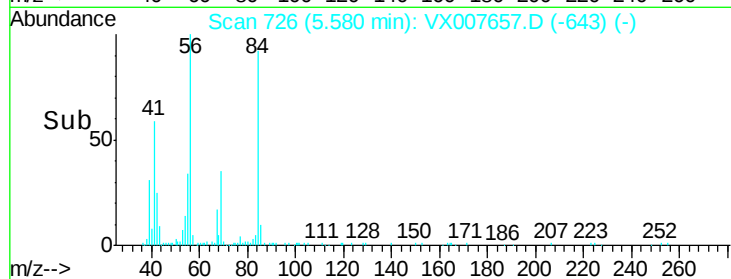
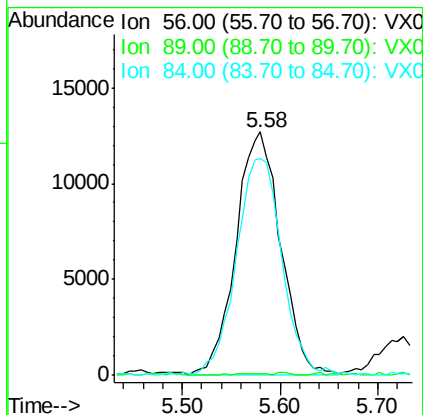
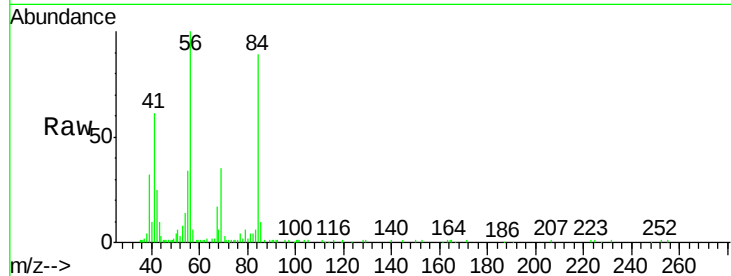




#26
Cyclohexane
Concen: 7.488 ug/l
RT: 5.58 min Scan# 726
Delta R.T. 0.01 min
Lab File: VX007657.D
Acq: 22 Feb 2019 14:03

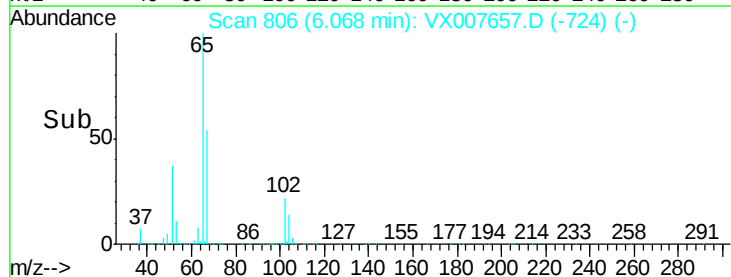
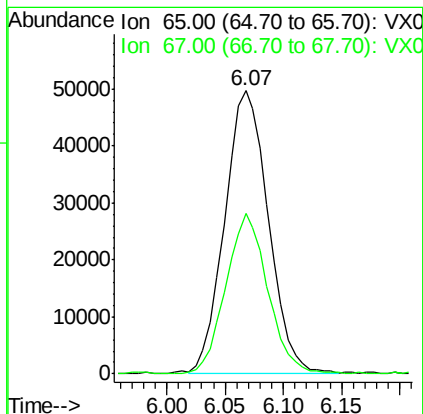
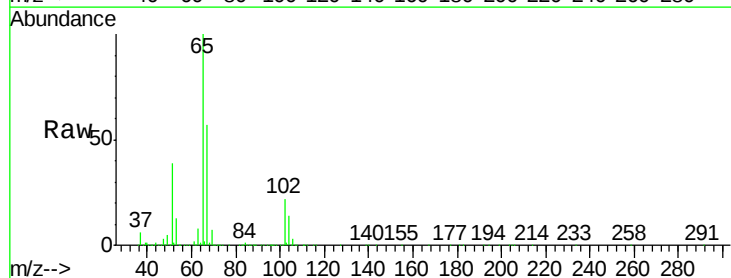
Instrument :
MSVOA_X
ClientSampleId :
25-25

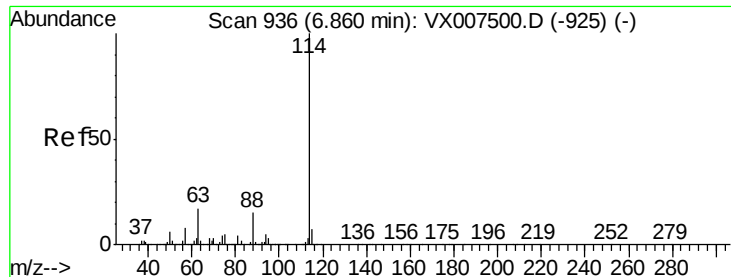
Tot Ion: 56 Resp: 40313
Ion Ratio Lower Upper
56 100
89 0.1 0.0 0.0#
84 90.2 73.9 110.9



#27
1,2-Dichloroethane-d4
Concen: 31.081 ug/l
RT: 6.07 min Scan# 806
Delta R.T. 0.00 min
Lab File: VX007657.D
Acq: 22 Feb 2019 14:03

Tgt Ion: 65 Resp: 129432
Ion Ratio Lower Upper
65 100
67 54.2 42.9 64.3

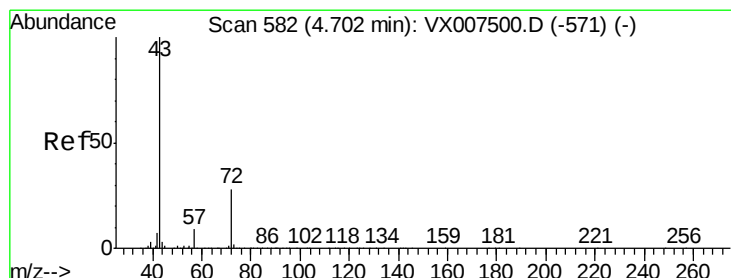
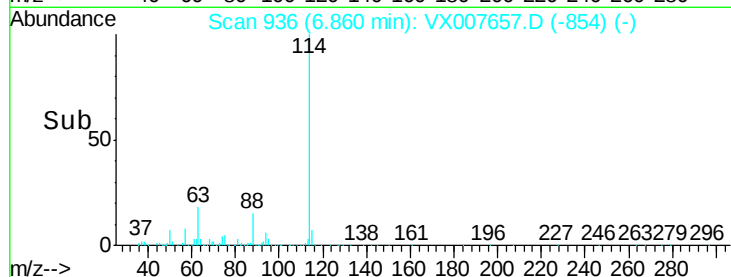
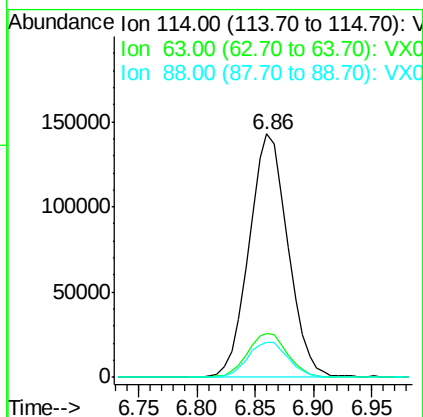
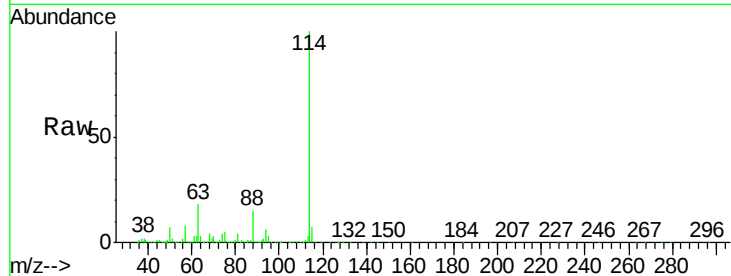




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX007657.D
 Acq: 22 Feb 2019 14:03

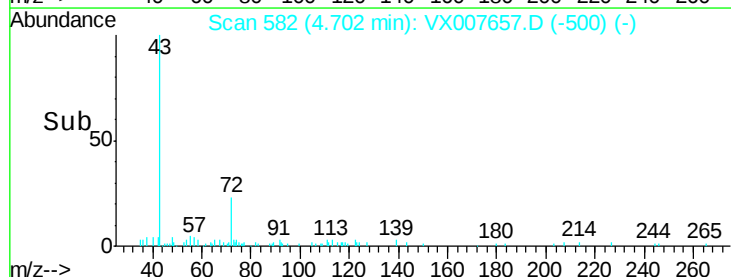
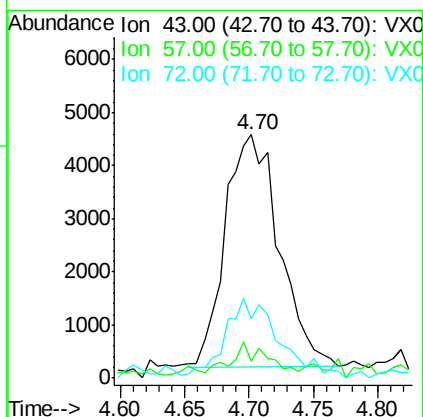
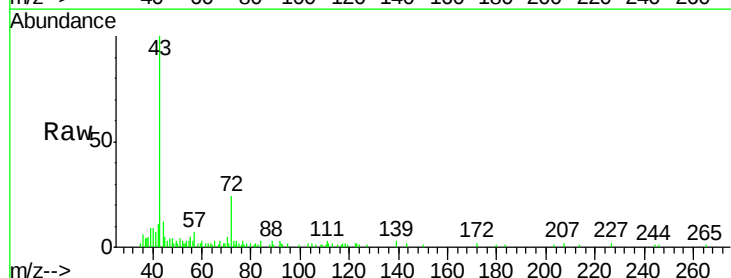
Instrument :
 MSVOA_X
 ClientSampleId :
 25-25

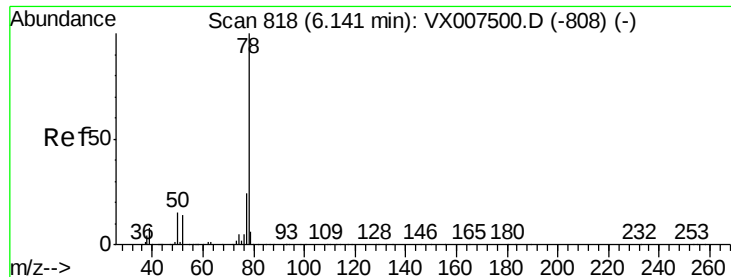
Tot Ion	Ratio	Lower	Upper
114	100		
63	18.7	14.2	21.4
88	15.2	11.9	17.9



#30
 2-Butanone
 Concen: 4.685 ug/l
 RT: 4.70 min Scan# 582
 Delta R.T. 0.00 min
 Lab File: VX007657.D
 Acq: 22 Feb 2019 14:03

Tgt Ion	Ratio	Lower	Upper
43	100		
57	4.2	7.0	10.6#
72	0.0	21.5	32.3#





#34

Benzene

Concen: 4.831 ug/l

RT: 6.14 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX007657.D

Acq: 22 Feb 2019 14:03

Instrument :

MSVOA_X

ClientSampleId :

25-25

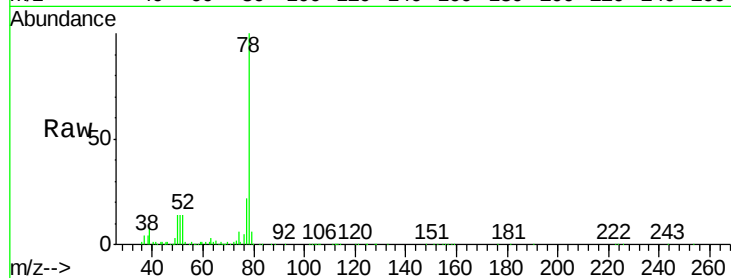
Tot Ion: 78 Resp: 70275

Ion Ratio Lower Upper

78 100

77 21.6 19.1 28.7

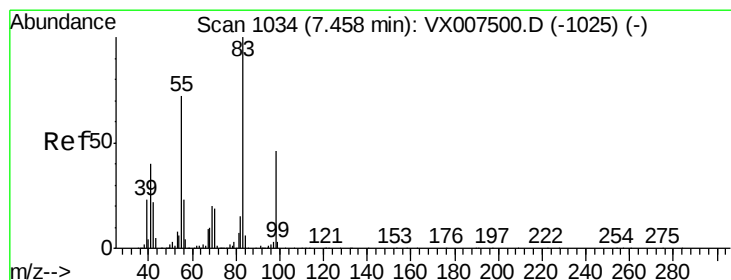
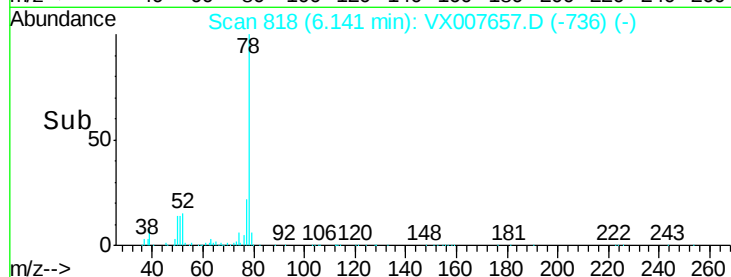
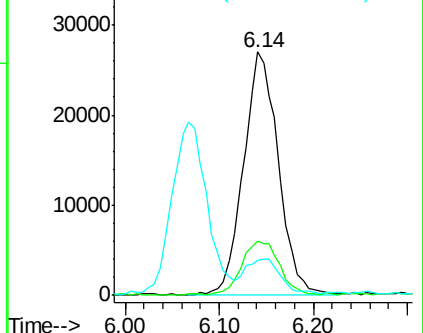
51 12.9 10.8 16.2



Abundance Ion 78.10 (77.80 to 78.80): VX0

Ion 77.00 (76.70 to 77.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#38

Methylcyclohexane

Concen: 2.709 ug/l

RT: 7.46 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX007657.D

Acq: 22 Feb 2019 14:03

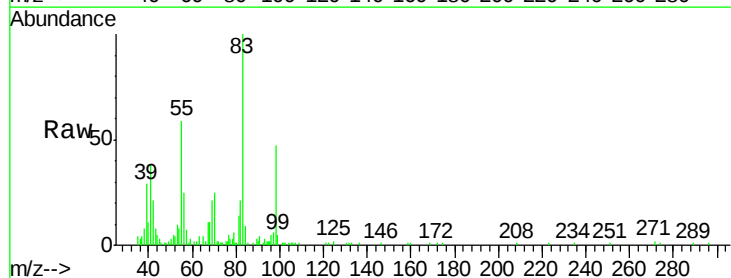
Tgt Ion: 83 Resp: 14471

Ion Ratio Lower Upper

83 100

55 84.9 36.0 108.0

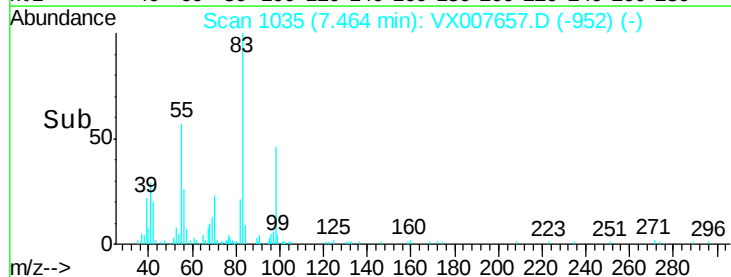
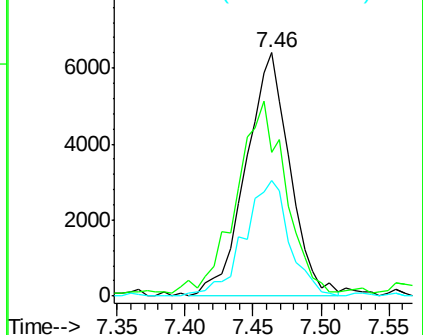
98 46.3 23.8 71.4

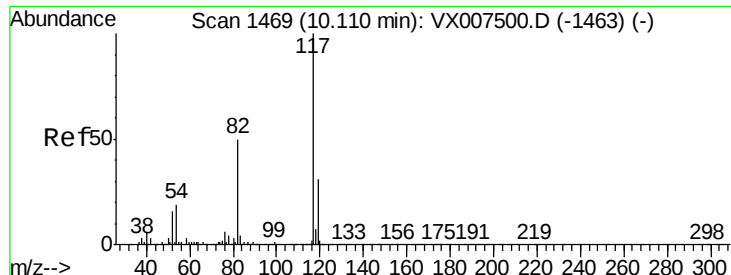


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0

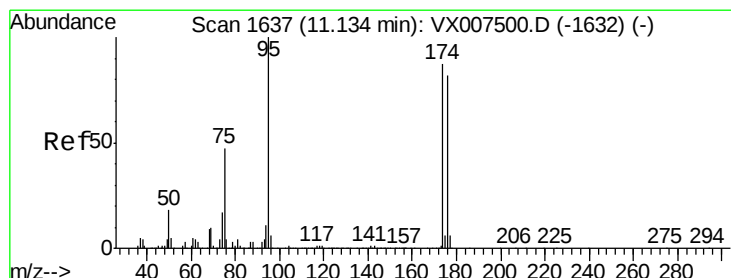
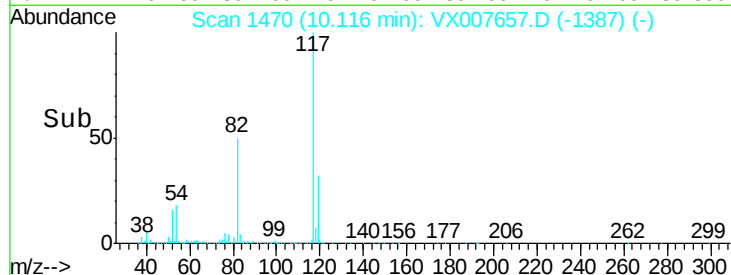
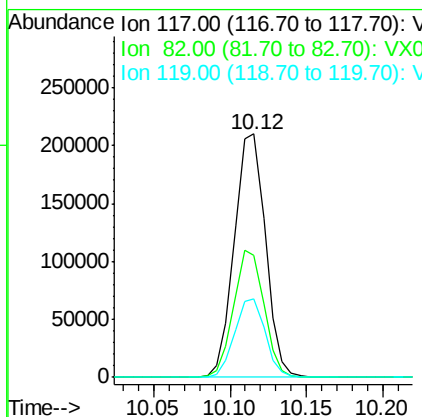
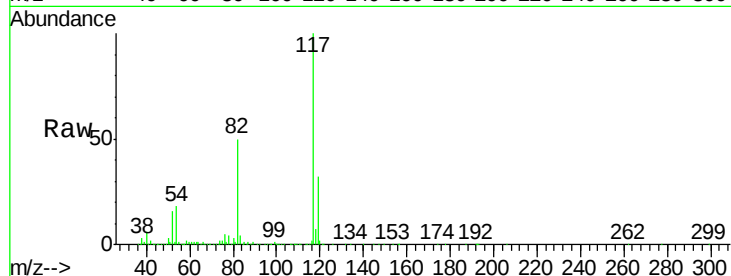




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX007657.D
Acq: 22 Feb 2019 14:03

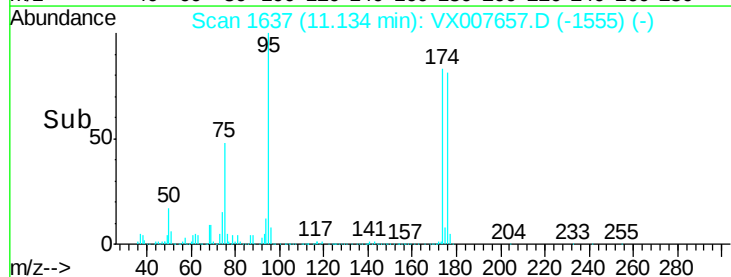
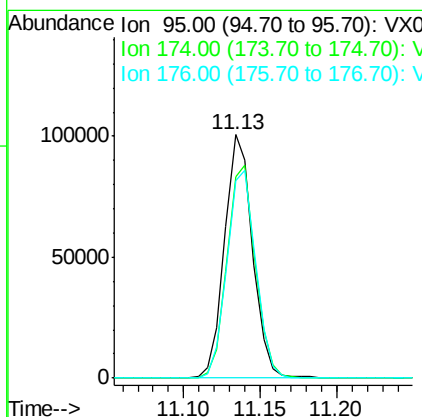
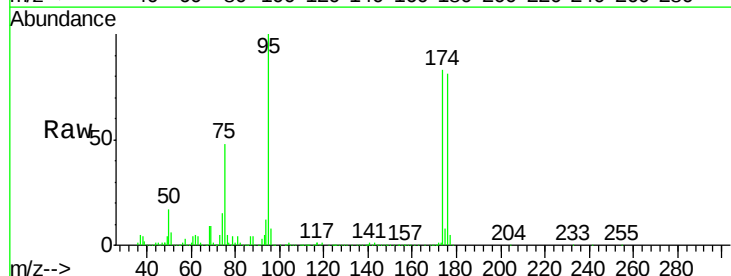
Instrument :
MSVOA_X
ClientSampled :
25-25

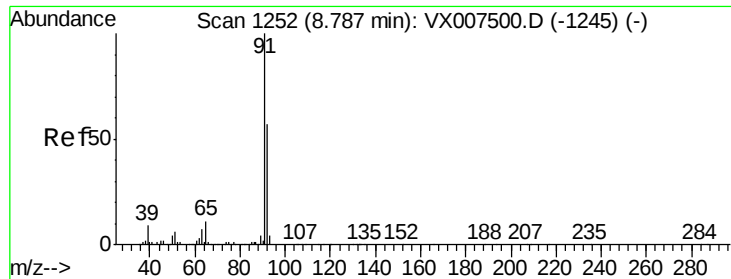
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.8	40.4	60.6
119	31.6	25.8	38.6



#60
4-Bromofluorobenzene
Concen: 27.916 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX007657.D
Acq: 22 Feb 2019 14:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.3	74.9	112.3
176	87.8	70.7	106.1





#62

Toluene

Concen: 0.528 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VX007657.D

Acq: 22 Feb 2019 14:03

Instrument :

MSVOA_X

ClientSampleId :

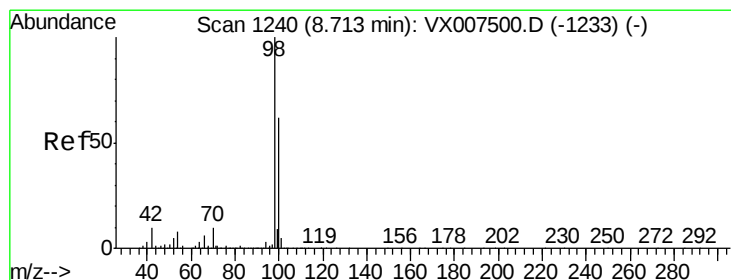
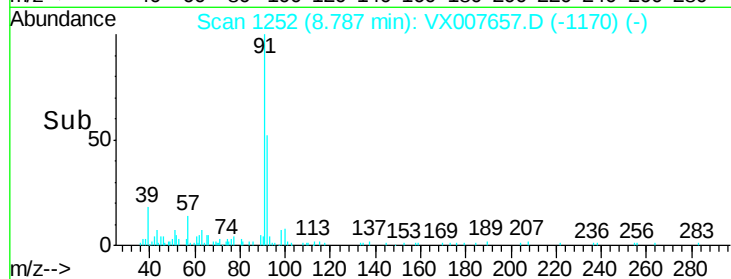
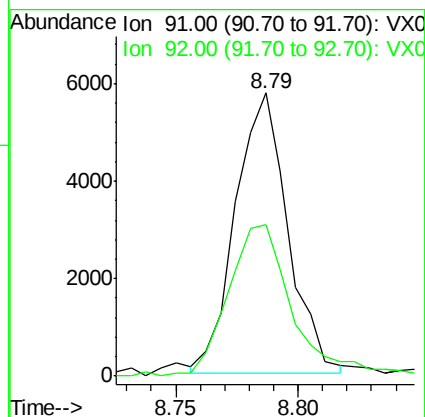
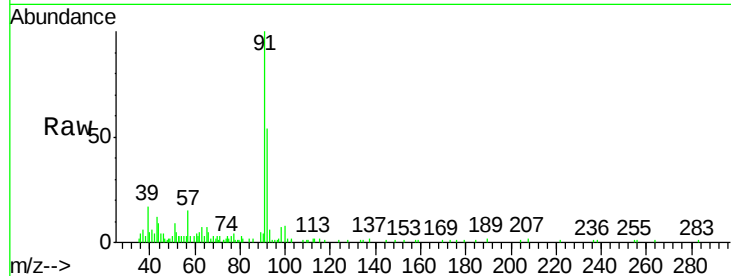
25-25

Tot Ion: 91 Resp: 8582

Ion Ratio Lower Upper

91 100

92 64.9 46.4 69.6



#63

Toluene-d8

Concen: 29.220 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX007657.D

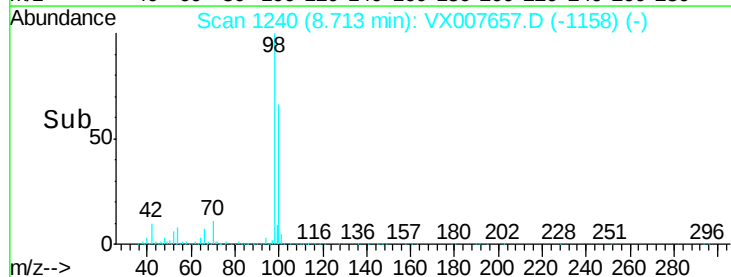
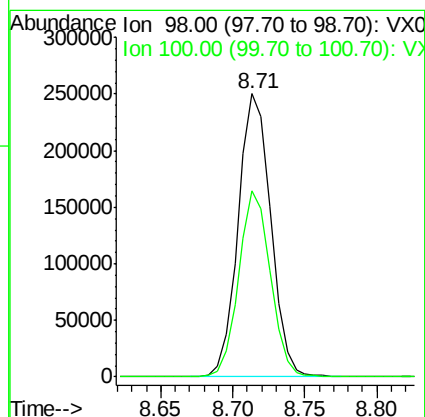
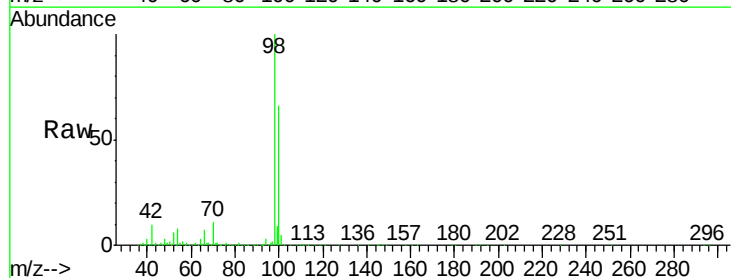
Acq: 22 Feb 2019 14:03

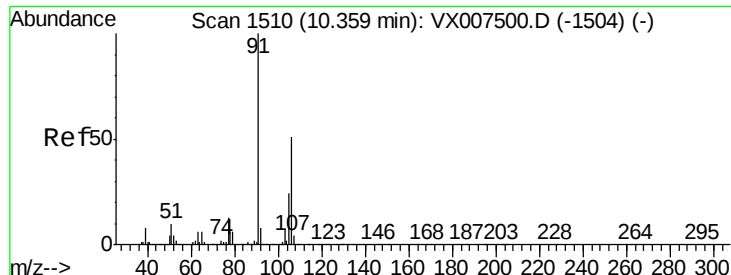
Tgt Ion: 98 Resp: 393815

Ion Ratio Lower Upper

98 100

100 63.6 50.9 76.3





#67
 m/p-Xvlenes
 Concen: 0.783 ug/l
 RT: 10.36 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VX007657.D
 Acq: 22 Feb 2019 14:03

Instrument :
 MSVOA_X
 ClientSampleId :
 25-25

Tot Ion:106 Resp: 5291
 Ion Ratio Lower Upper
 106 100
 91 188.6 157.0 235.4

