

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022820\
 Data File : VX015058.D
 Acq On : 28 Feb 2020 12:56
 Operator : JC/SP
 Sample : L1691-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OF-3

Quant Time: Feb 29 00:15:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 00:37:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	67527	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	358263	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	332152	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	142276	30.30	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	101.00%
60) 4-Bromofluorobenzene	11.13	95	145188	28.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.57%
63) Toluene-d8	8.71	98	428208	29.56	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.53%

Target Compounds

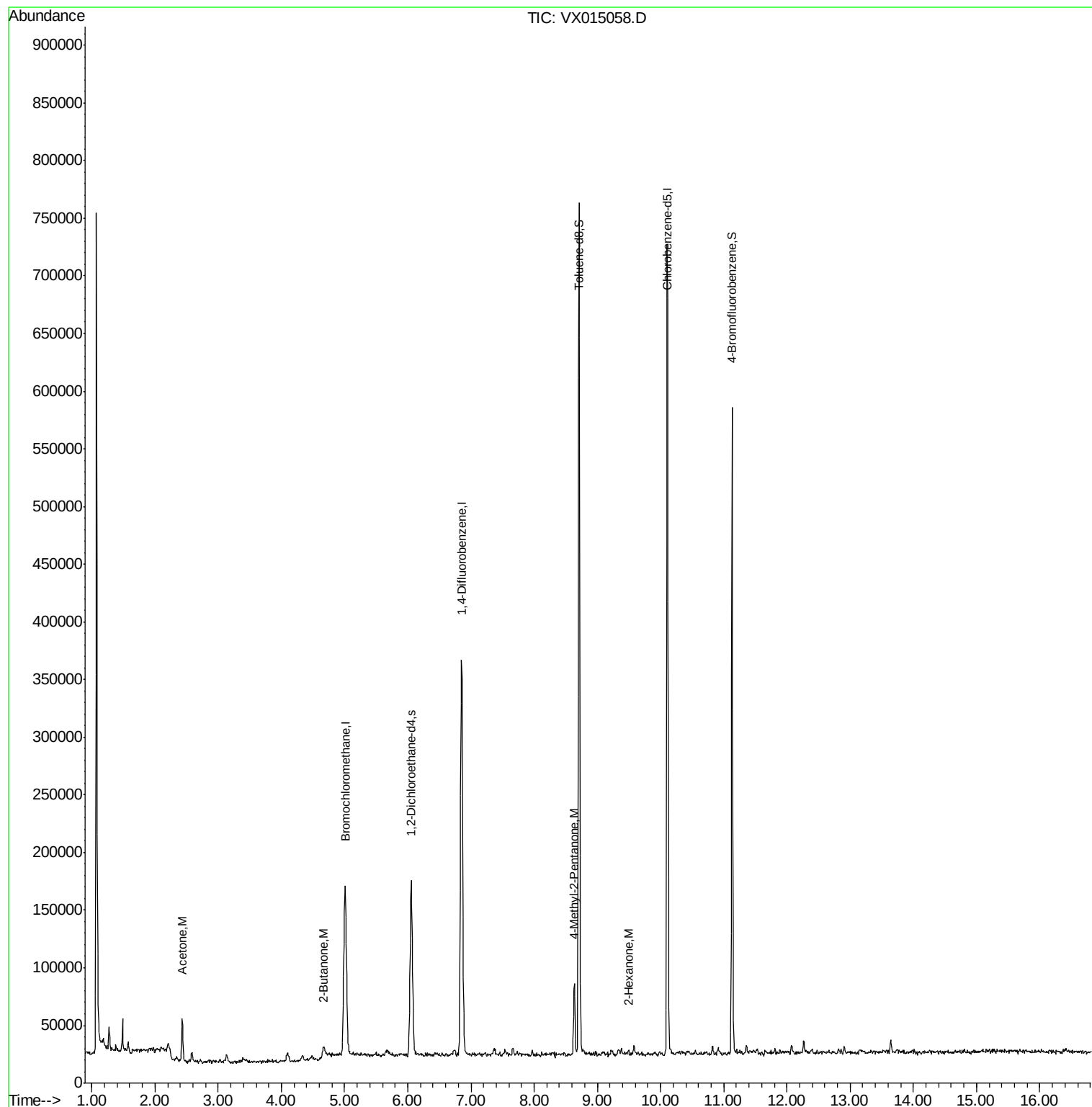
					Ovalue	
15) Acetone	2.43	58	12453	17.443	ug/l	94
30) 2-Butanone	4.67	43	15850	5.419	ug/l #	84
58) 4-Methyl-2-Pentanone	8.64	43	39967	7.342	ug/l	96
59) 2-Hexanone	9.49	43	2677	0.629	ug/l #	81

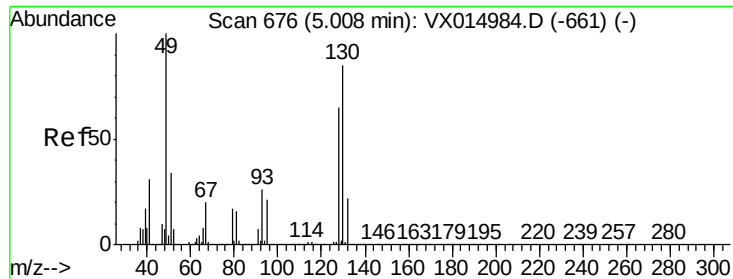
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX015058.D

Acq: 28 Feb 2020 12:56

Instrument :

MSVOA_X

ClientSampled :

OF-3

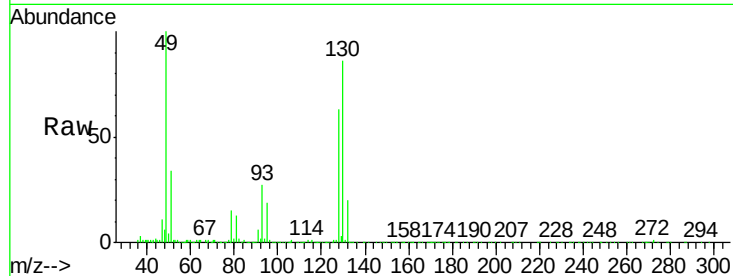
Tot Ion:128 Resp: 67527

Ion Ratio Lower Upper

128 100

49 159.0 0.0 384.7

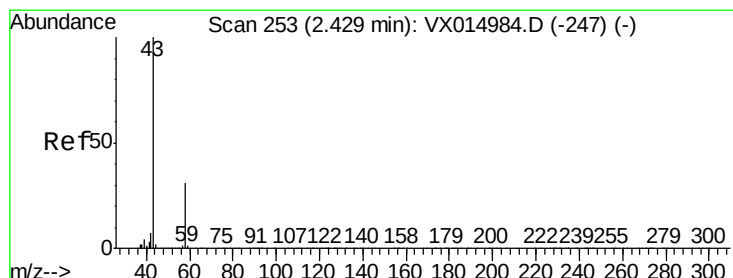
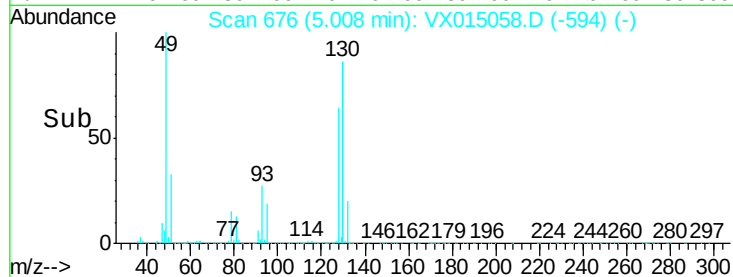
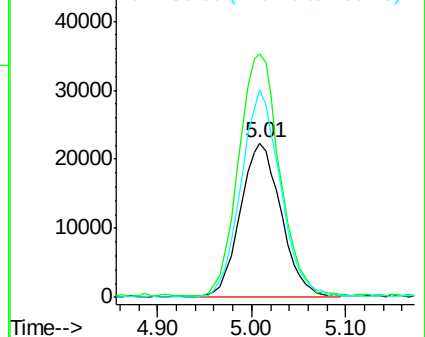
130 130.7 0.0 330.8



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: 17.443 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX015058.D

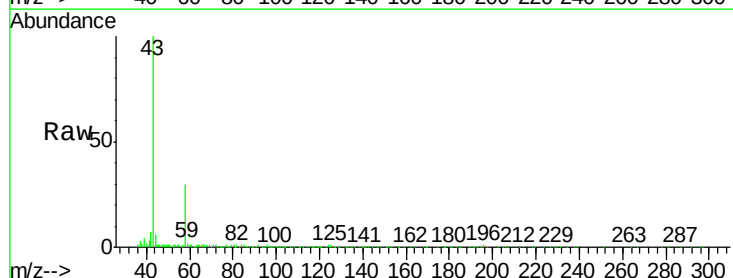
Acq: 28 Feb 2020 12:56

Tgt Ion: 58 Resp: 12453

Ion Ratio Lower Upper

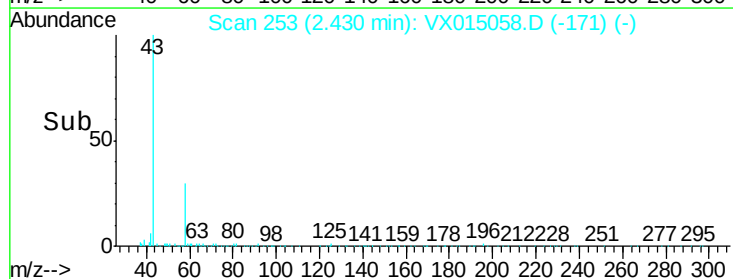
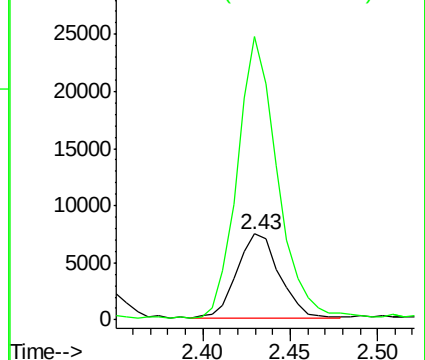
58 100

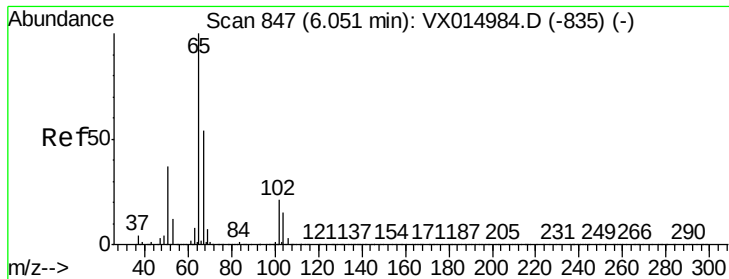
43 333.7 257.7 386.5



Abundance Ion 58.00 (57.70 to 58.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

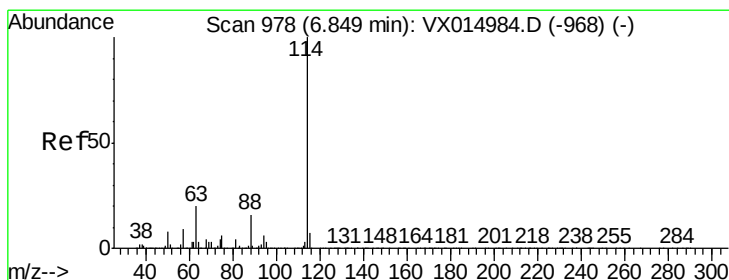
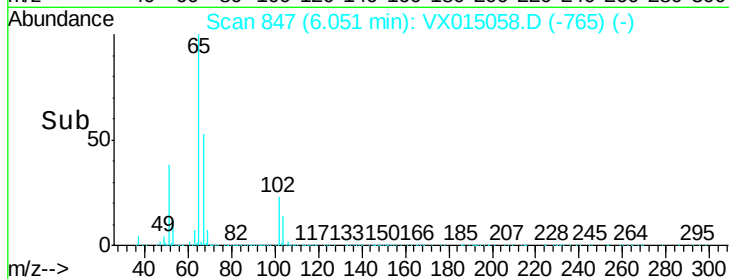
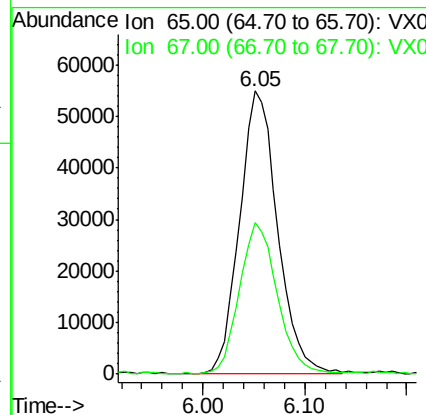
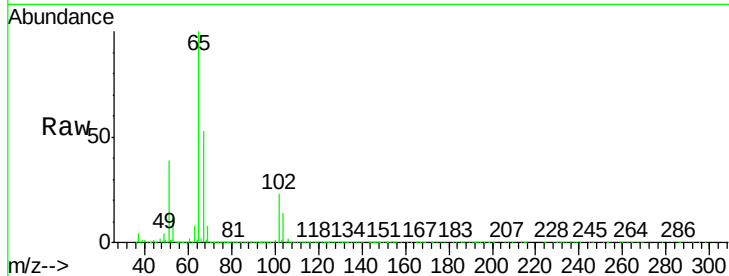




#27
 1,2-Dichloroethane-d4
 Concen: 30.300 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX015058.D
 Acq: 28 Feb 2020 12:56

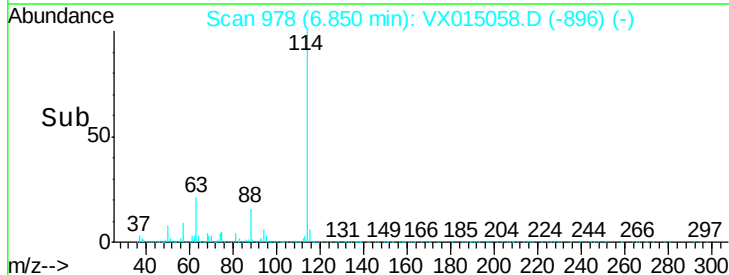
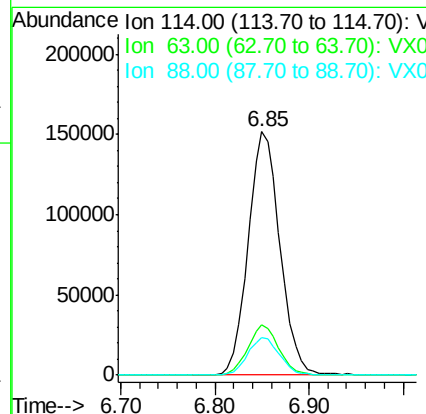
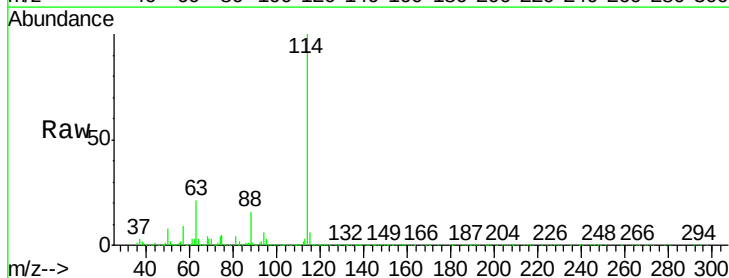
Instrument :
 MSVOA_X
 ClientSampled :
 OF-3

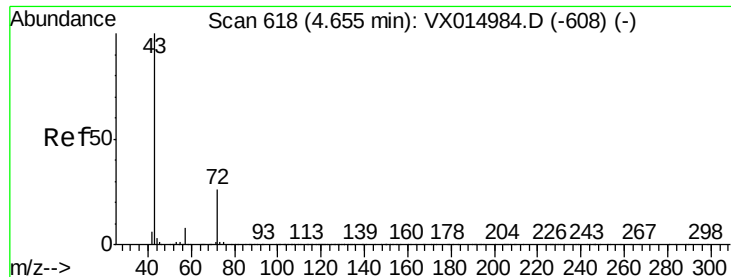
Tot Ion: 65 Resp: 142276
 Ion Ratio Lower Upper
 65 100
 67 52.3 41.9 62.9



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX015058.D
 Acq: 28 Feb 2020 12:56

Tgt Ion: 114 Resp: 358263
 Ion Ratio Lower Upper
 114 100
 63 20.0 15.6 23.4
 88 15.4 12.2 18.2

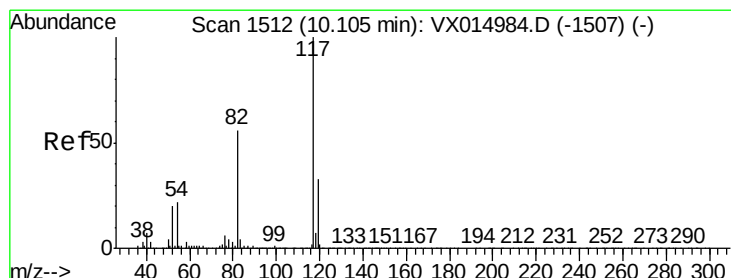
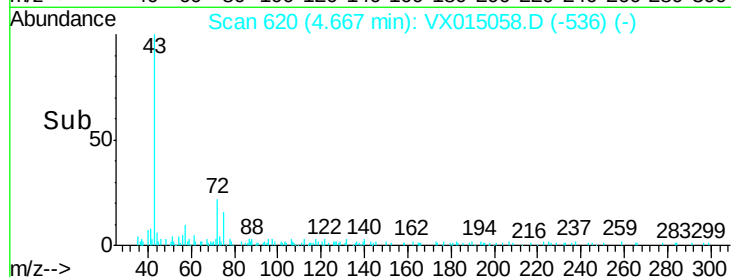
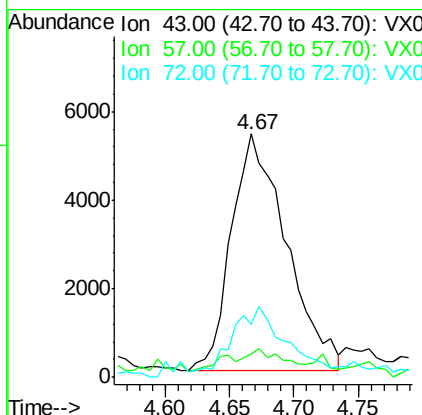
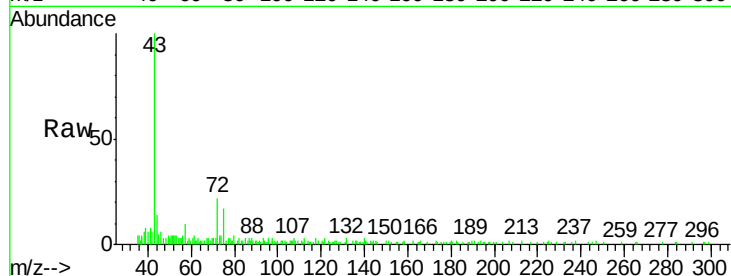




#30
2-Butanone
Concen: 5.419 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX015058.D
Acq: 28 Feb 2020 12:56

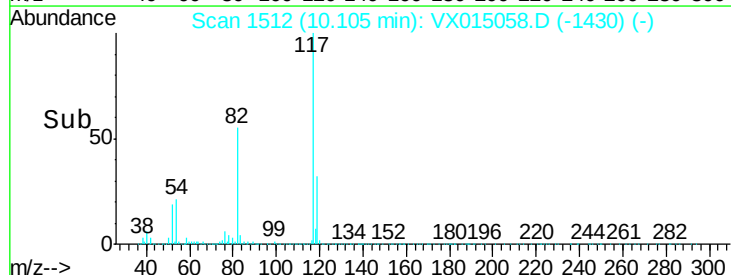
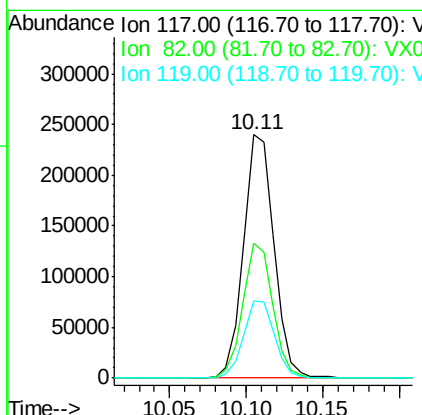
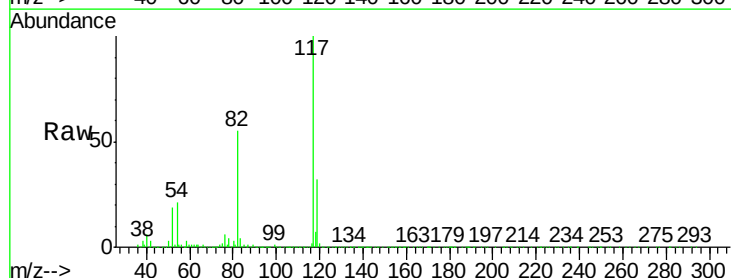
Instrument :
MSVOA_X
ClientSampleId :
OF-3

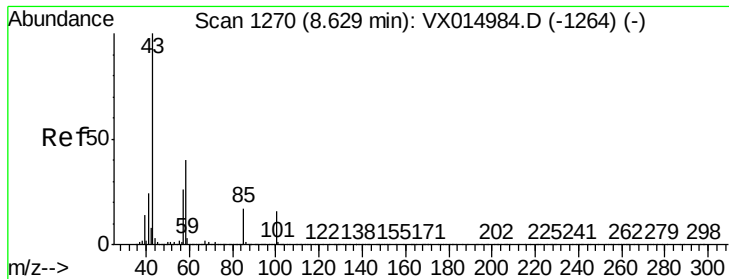
Tot Ion: 43 Resp: 15850
Ion Ratio Lower Upper
43 100
57 5.9 6.5 9.7#
72 15.8 20.3 30.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1512
Delta R.T. 0.00 min
Lab File: VX015058.D
Acq: 28 Feb 2020 12:56

Tgt Ion: 117 Resp: 332152
Ion Ratio Lower Upper
117 100
82 54.2 43.4 65.2
119 32.2 26.0 39.0

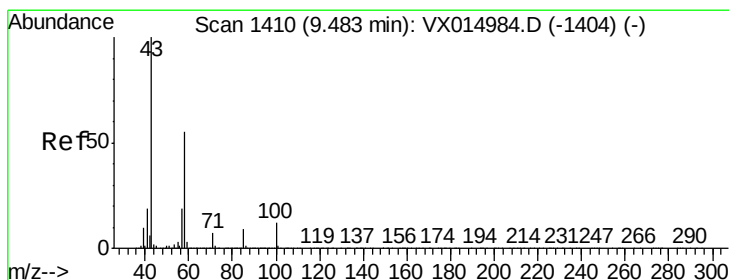
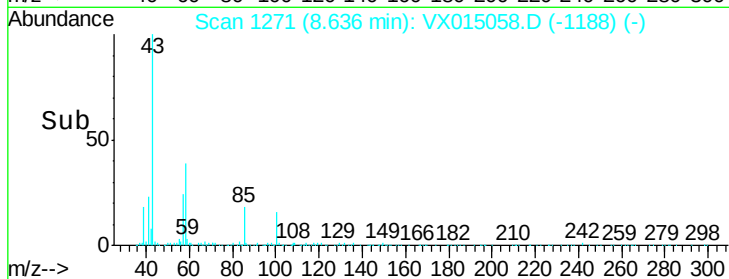
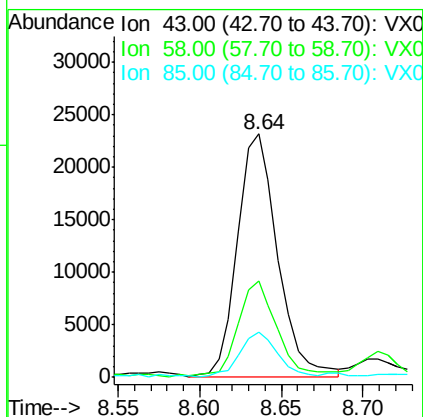
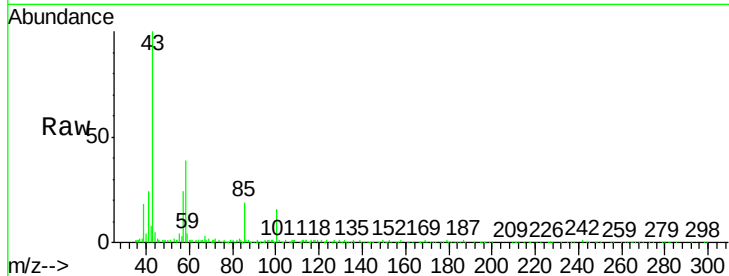




#58
4-Methyl-2-Pentanone
Concen: 7.342 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VX015058.D
Acq: 28 Feb 2020 12:56

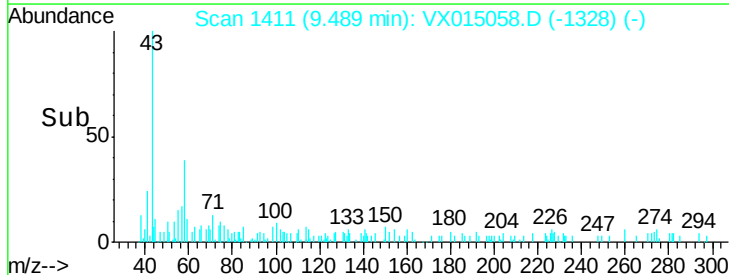
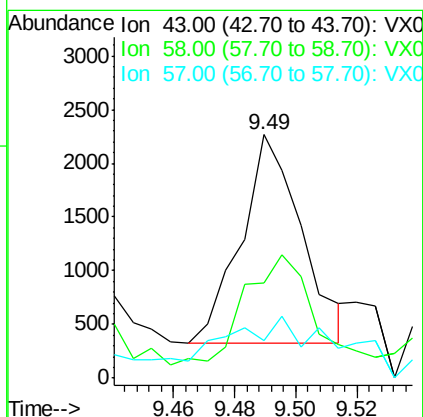
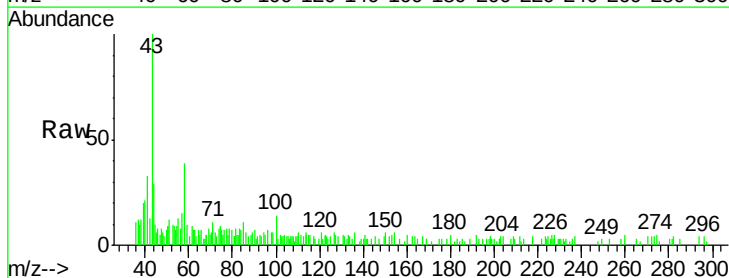
Instrument :
MSVOA_X
ClientSampleId :
OF-3

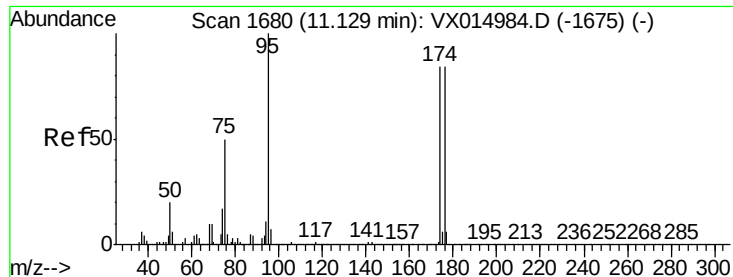
Tot Ion	Ratio	Lower	Upper
43	100		
58	36.7	31.7	47.5
85	17.0	14.4	21.6



#59
2-Hexanone
Concen: 0.629 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX015058.D
Acq: 28 Feb 2020 12:56

Tgt Ion	Ratio	Lower	Upper
43	100		
58	65.3	44.1	66.1
57	4.3	15.3	22.9





#60

4-Bromofluorobenzene

Concen: 28.065 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VX015058.D

Acq: 28 Feb 2020 12:56

Instrument :

MSVOA_X

ClientSampled :

OF-3

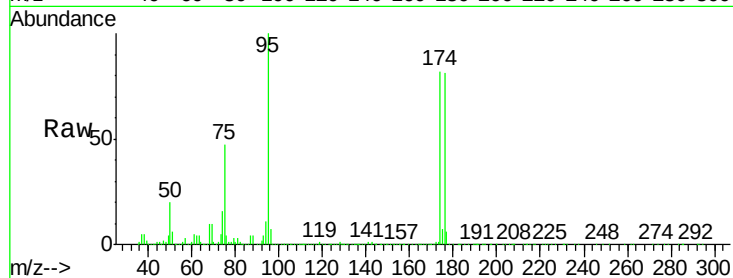
Tot Ion: 95 Resp: 145188

Ion Ratio Lower Upper

95 100

174 90.7 72.3 108.5

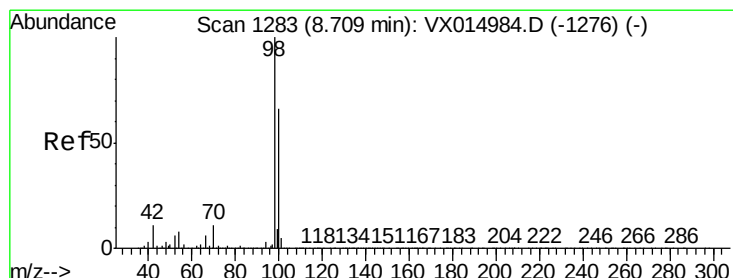
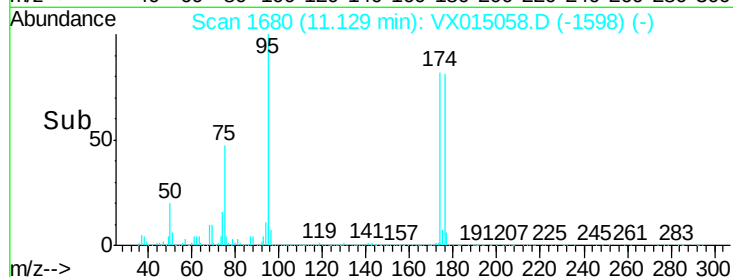
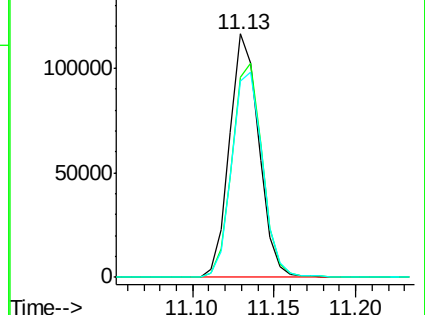
176 89.0 72.0 108.0



Abundance Ion 95.00 (94.70 to 95.70): VX014984.D (-1675) (-)

Ion 174.00 (173.70 to 174.70): VX014984.D (-1675) (-)

Ion 176.00 (175.70 to 176.70): VX014984.D (-1675) (-)



#63

Toluene-d8

Concen: 29.563 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX015058.D

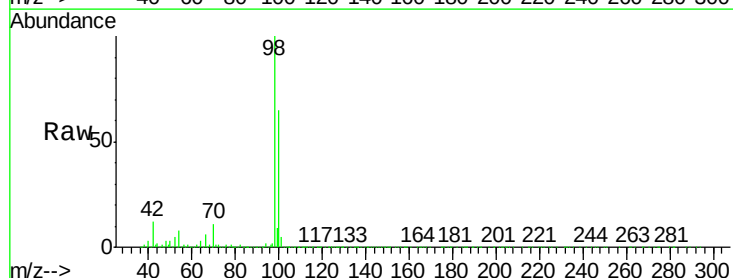
Acq: 28 Feb 2020 12:56

Tgt Ion: 98 Resp: 428208

Ion Ratio Lower Upper

98 100

100 66.0 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VX014984.D (-1276) (-)

Ion 100.00 (99.70 to 100.70): VX014984.D (-1276) (-)

