

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022120\
 Data File : VX014991.D
 Acq On : 21 Feb 2020 13:05
 Operator : JC/SP
 Sample : L1618-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TANK-MOAT-DISCHARGE-(EFFLUE

Quant Time: Feb 21 14:24:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X022120W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Feb 21 11:08:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	70545	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.86	114	372261	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	329652	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	147791	30.13	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	100.43%
60) 4-Bromofluorobenzene	11.13	95	143693	27.99	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.30%
63) Toluene-d8	8.71	98	433596	30.16	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	100.53%

Target Compounds

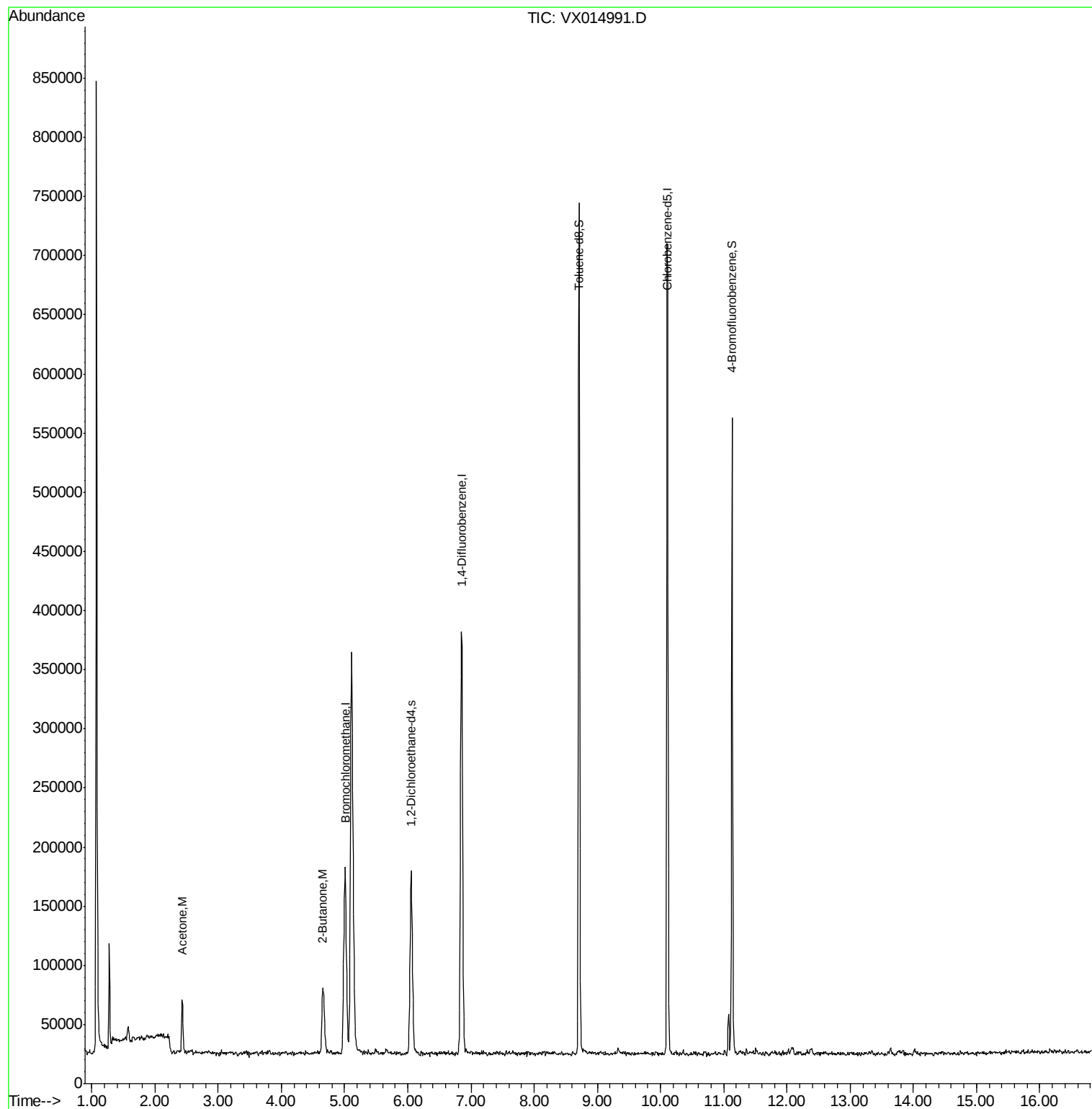
					Ovalue
15) Acetone	2.43	58	15709	21.062	ug/l 99
30) 2-Butanone	4.65	43	102244	33.642	ug/l 99

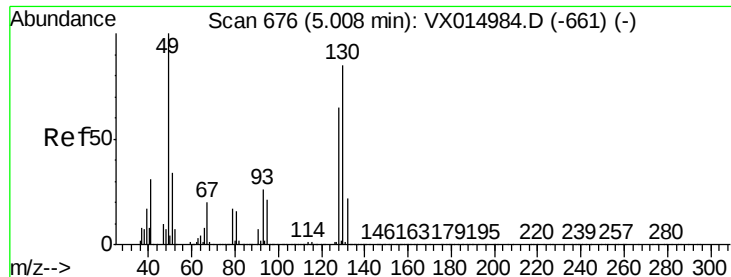
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.00 min

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Instrument :

MSVOA_X

ClientSampleId :

TANK-MOAT-DISCHARGE-(EFFLUE

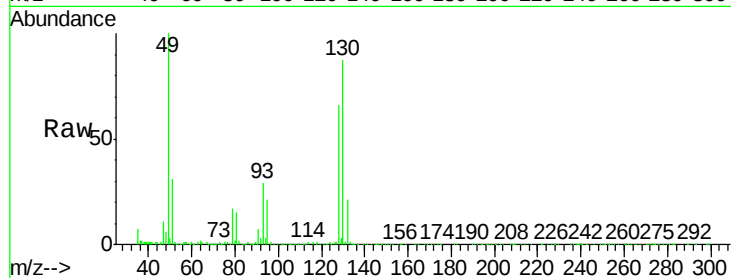
Tot Ion:128 Resp: 70545

Ion Ratio Lower Upper

128 100

49 151.1 0.0 384.7

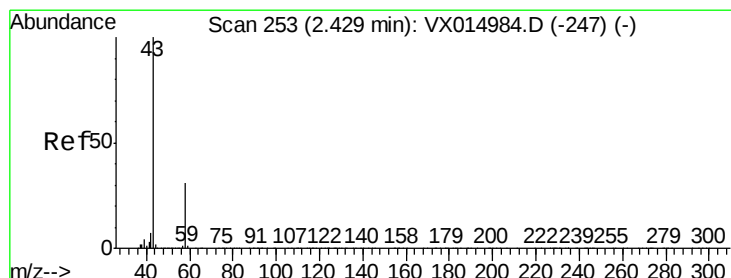
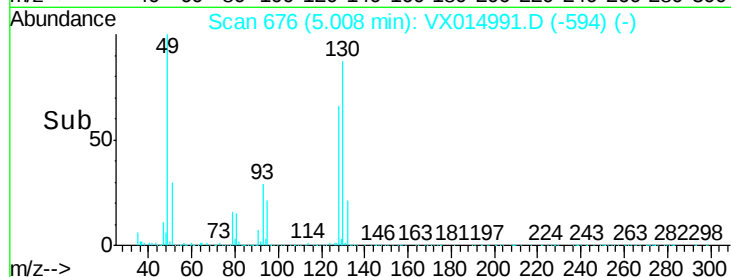
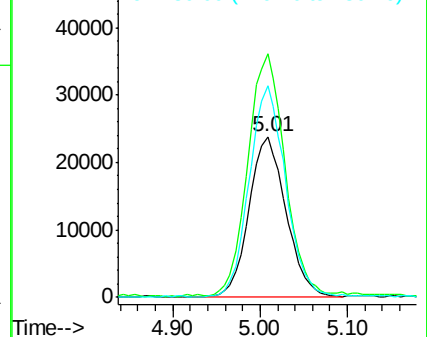
130 128.7 0.0 330.8



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: 21.062 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014991.D

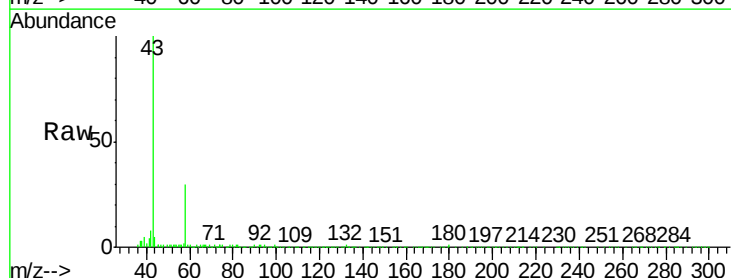
Acq: 21 Feb 2020 13:05

Tgt Ion: 58 Resp: 15709

Ion Ratio Lower Upper

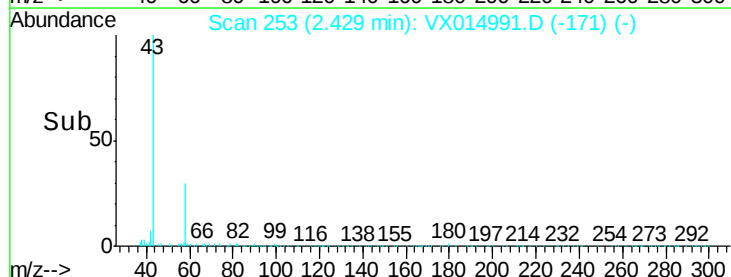
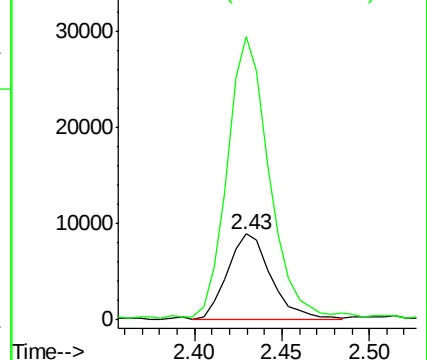
58 100

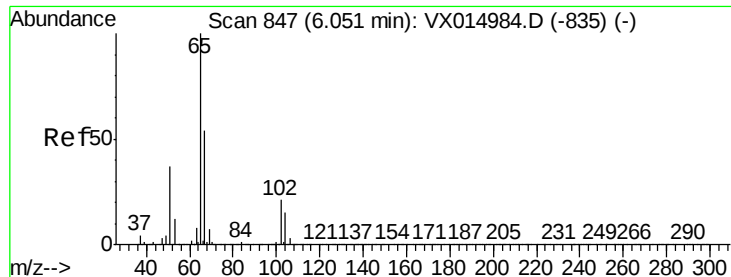
43 325.1 257.7 386.5



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: 30.128 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014991.D

Acq: 21 Feb 2020 13:05

Instrument :

MSVOA_X

ClientSampleId :

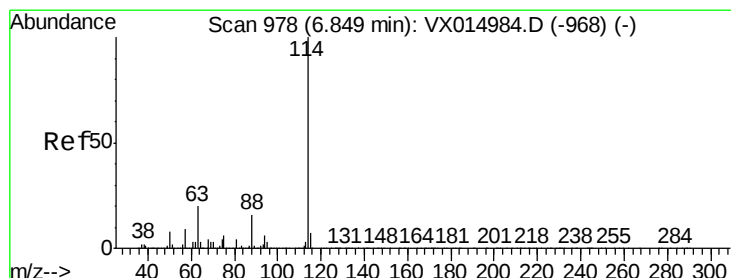
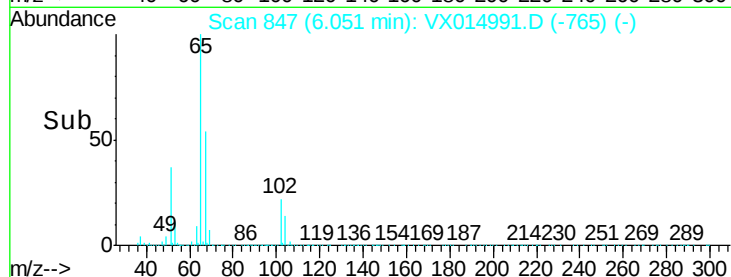
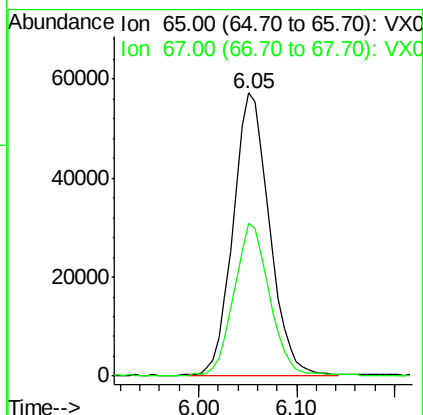
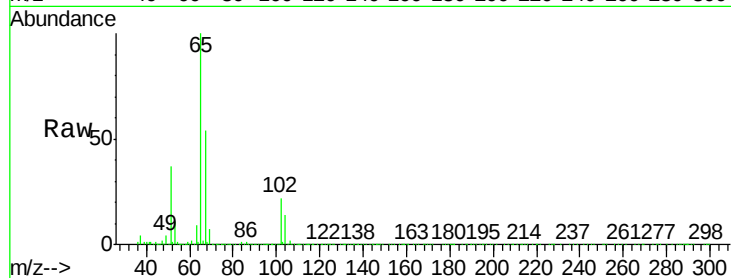
TANK-MOAT-DISCHARGE-(EFFLUE

Tot Ion: 65 Resp: 147791

Ion Ratio Lower Upper

65 100

67 51.9 41.9 62.9



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX014991.D

Acq: 21 Feb 2020 13:05

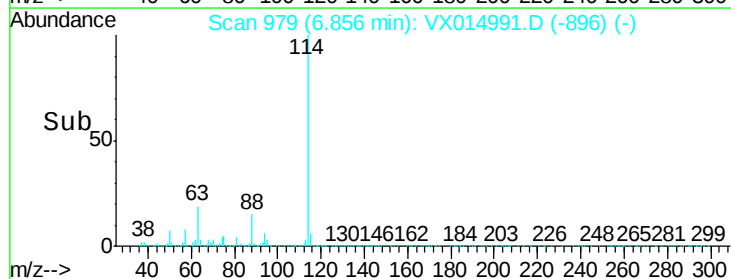
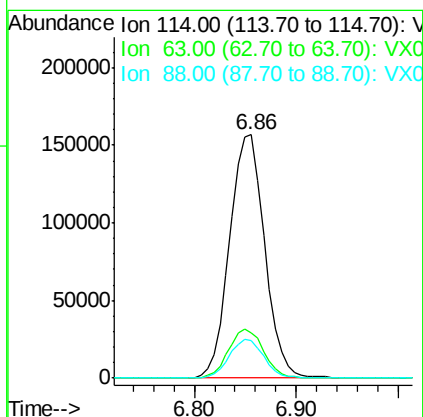
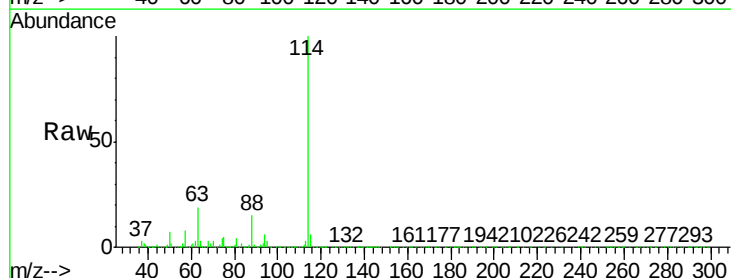
Tgt Ion: 114 Resp: 372261

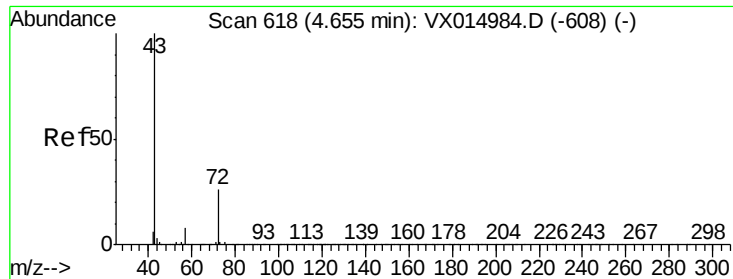
Ion Ratio Lower Upper

114 100

63 20.0 15.6 23.4

88 15.9 12.2 18.2

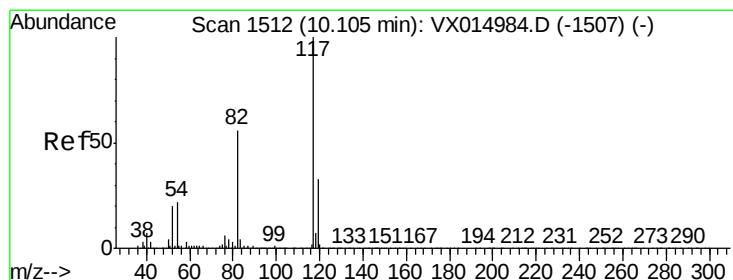
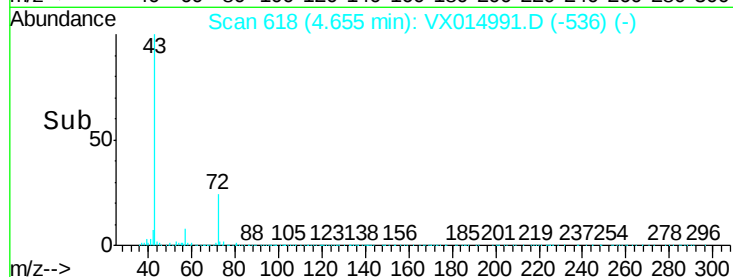
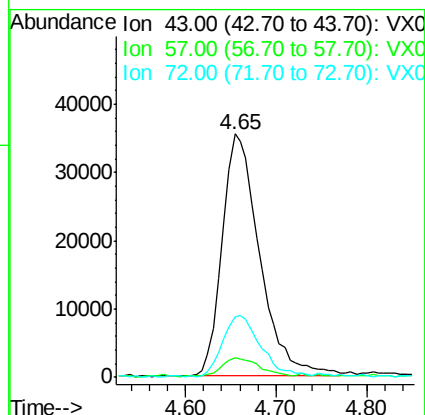
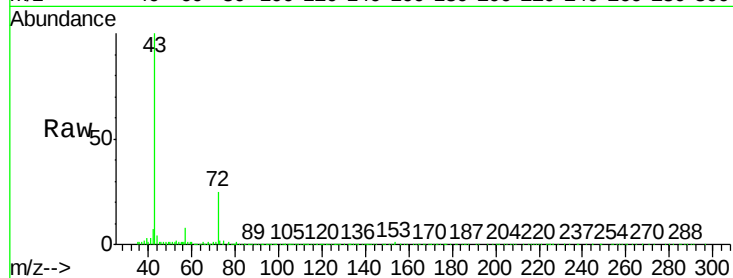




#30
2-Butanone
Concen: 33.642 ug/l
RT: 4.65 min Scan# 618
Delta R.T. 0.00 min
Lab File: VX014991.D
Acq: 21 Feb 2020 13:05

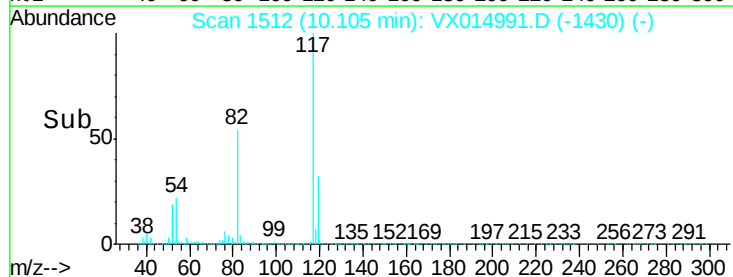
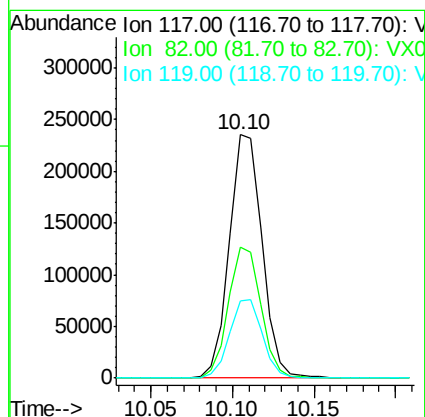
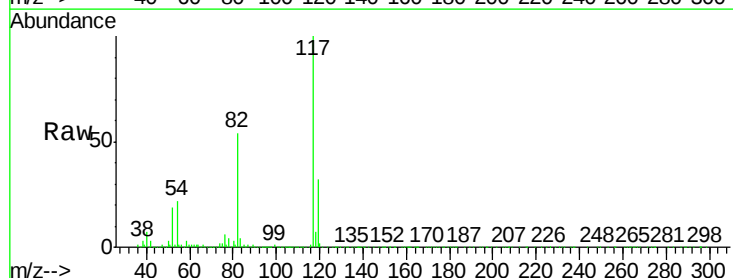
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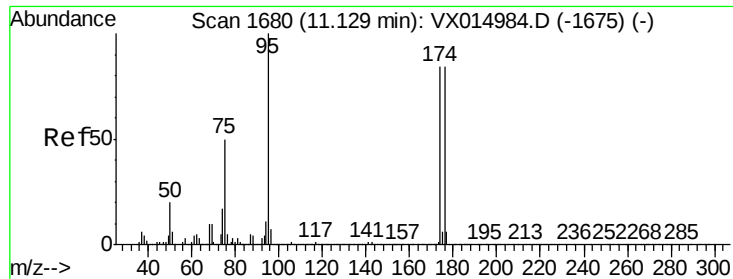
Tot Ion: 43 Resp: 102244
Ion Ratio Lower Upper
43 100
57 7.5 6.5 9.7
72 25.0 20.3 30.5



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. 0.00 min
Lab File: VX014991.D
Acq: 21 Feb 2020 13:05

Tgt Ion: 117 Resp: 329652
Ion Ratio Lower Upper
117 100
82 53.6 43.4 65.2
119 32.3 26.0 39.0

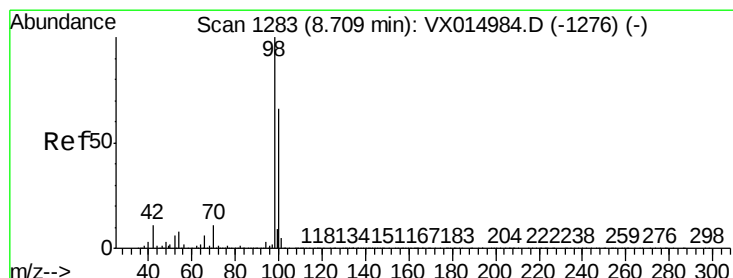
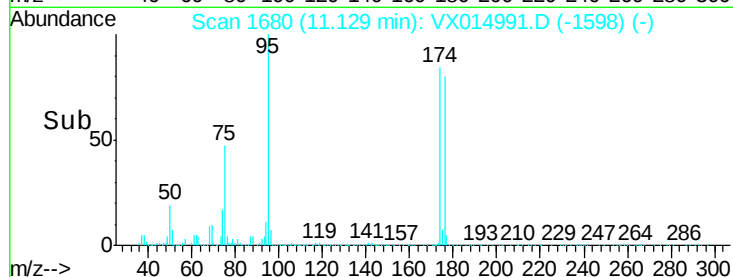
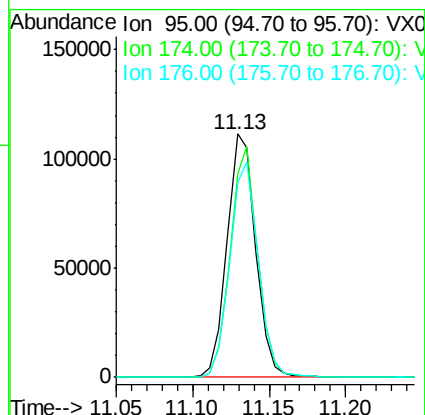
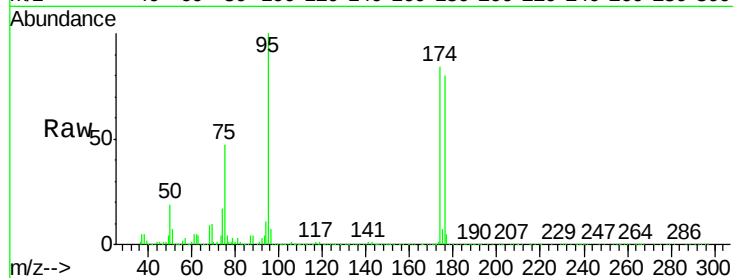




#60
4-Bromofluorobenzene
Concen: 27.987 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014991.D
Acq: 21 Feb 2020 13:05

Instrument :
MSVOA_X
ClientSampleId :
TANK-MOAT-DISCHARGE-(EFFLUE

Tot Ion: 95 Resp: 143693
Ion Ratio Lower Upper
95 100
174 92.0 72.3 108.5
176 87.6 72.0 108.0



#63
Toluene-d8
Concen: 30.162 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014991.D
Acq: 21 Feb 2020 13:05

Tgt Ion: 98 Resp: 433596
Ion Ratio Lower Upper
98 100
100 64.4 52.8 79.2

