

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX020720\
 Data File : VX014872.D
 Acq On : 07 Feb 2020 15:37
 Operator : JC/SP
 Sample : L1410-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 002-35TH-AVE-(FEB)

Quant Time: Feb 07 22:50:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA X\METHOD\624X011520W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Wed Jan 15 12:41:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.01	128	68388	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	373244	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.10	117	338704	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	147624	30.71	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.37%
60) 4-Bromofluorobenzene	11.13	95	160853	29.68	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.93%
63) Toluene-d8	8.71	98	450214	29.43	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	98.10%

Target Compounds

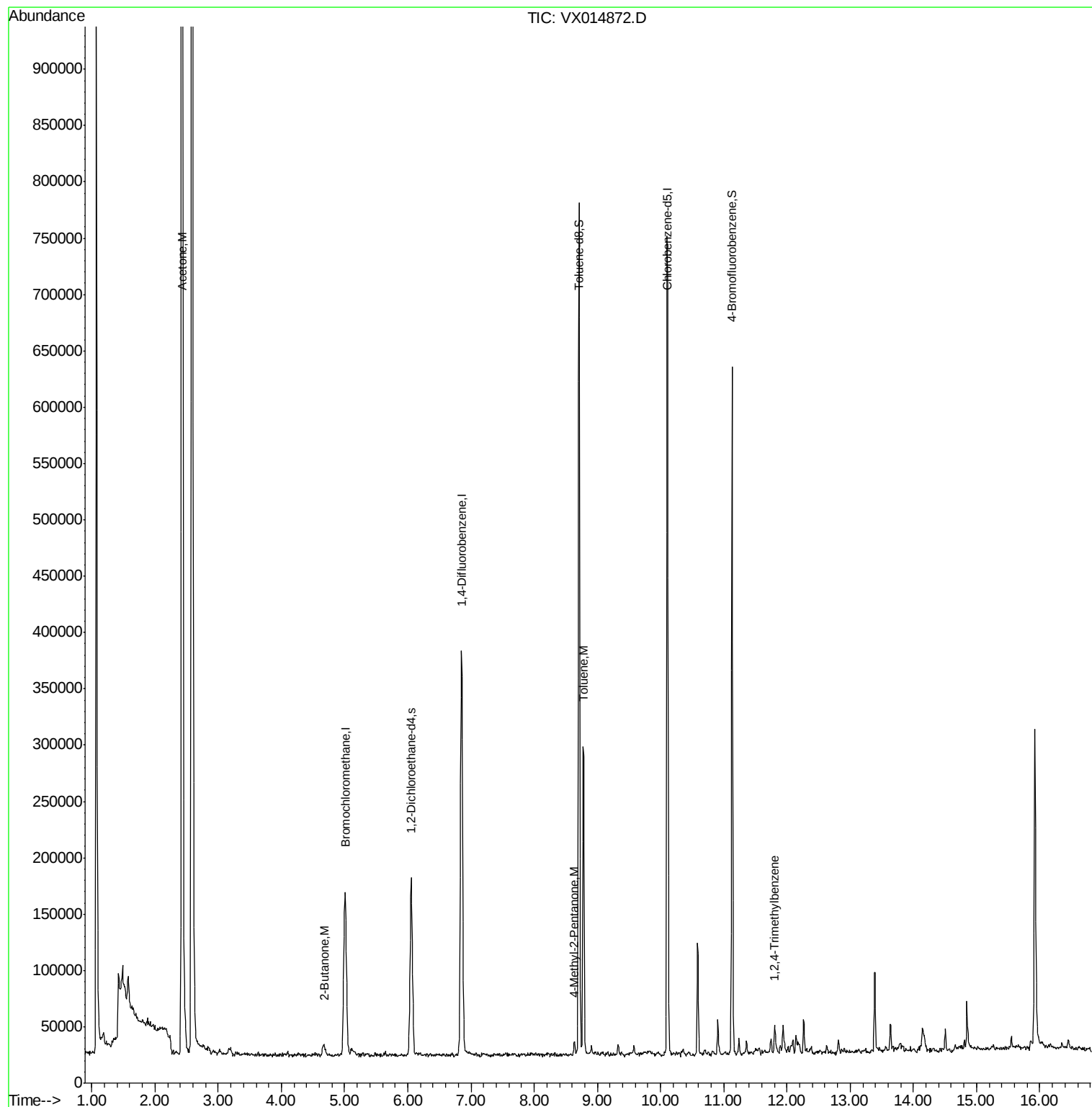
					Ovalue
15) Acetone	2.43	58	721709	919.948	ug/l 86
30) 2-Butanone	4.67	43	16959	4.891	ug/l # 96
58) 4-Methyl-2-Pentanone	8.64	43	7817	1.226	ug/l # 90
62) Toluene	8.78	91	182350	10.147	ug/l 100
80) 1,2,4-Trimethylbenzene	11.81	105	7541	0.474	ug/l 44

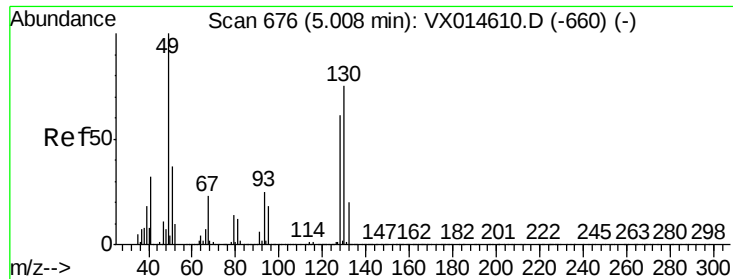
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX014872.D

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Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE-(FEB)

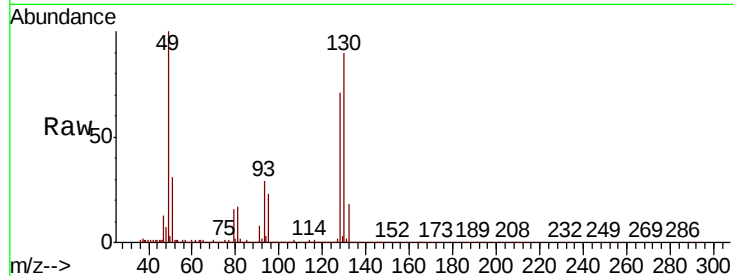
Tot Ion:128 Resp: 68388

Ion Ratio Lower Upper

128 100

49 147.7 0.0 405.0

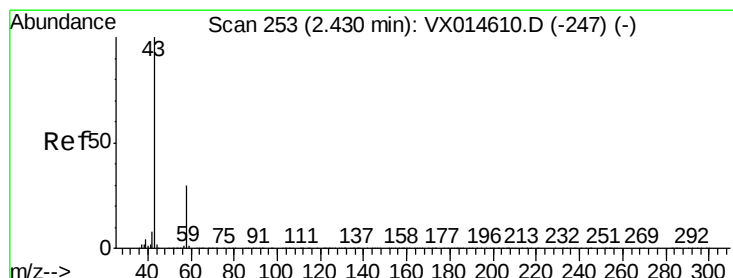
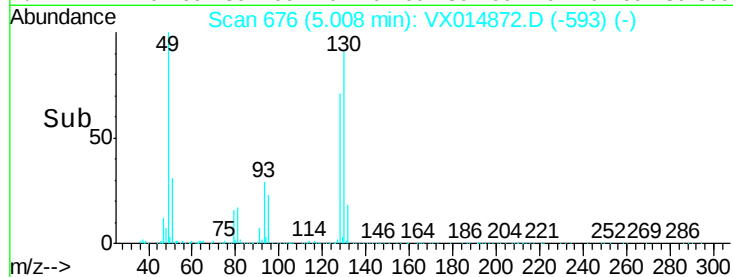
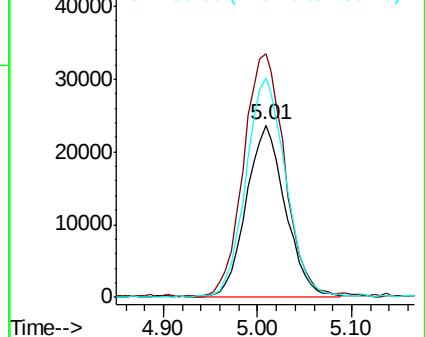
130 131.1 0.0 321.5



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: 919.948 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014872.D

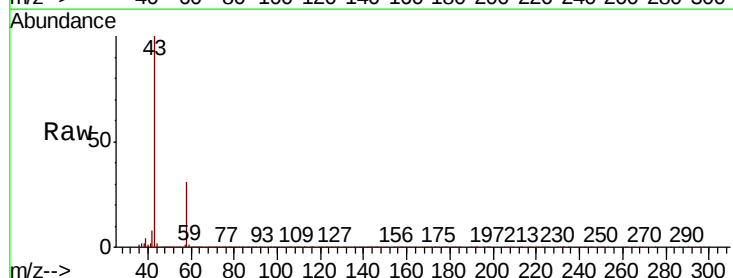
Acq: 07 Feb 2020 15:37

Tgt Ion: 58 Resp: 721709

Ion Ratio Lower Upper

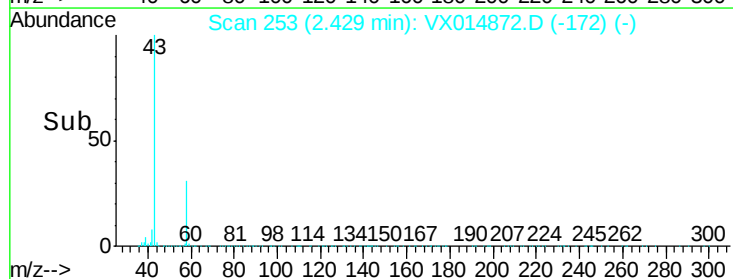
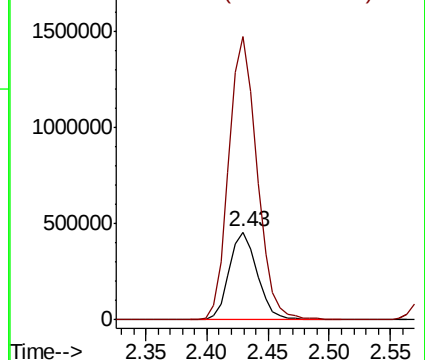
58 100

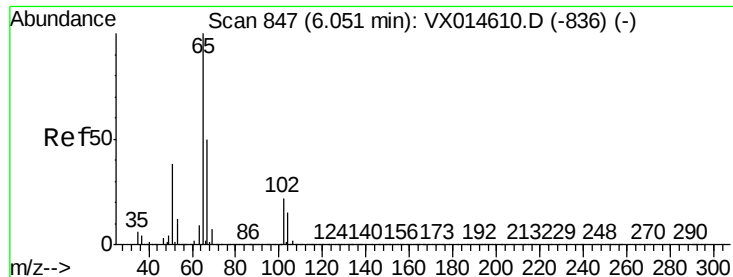
43 322.8 236.3 354.5



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: 30.711 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014872.D

Acq: 07 Feb 2020 15:37

Instrument :

MSVOA_X

ClientSampleId :

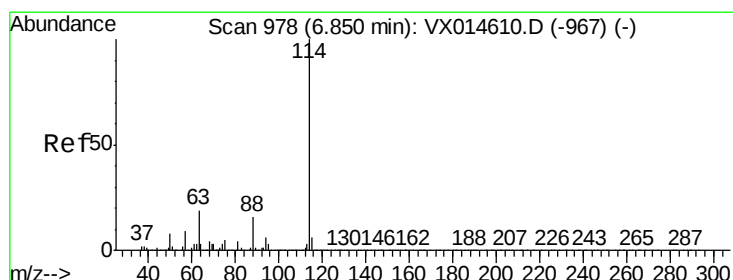
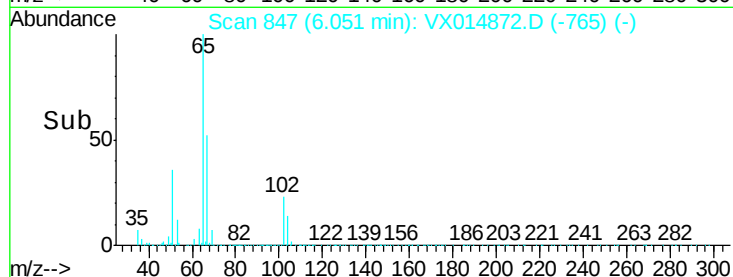
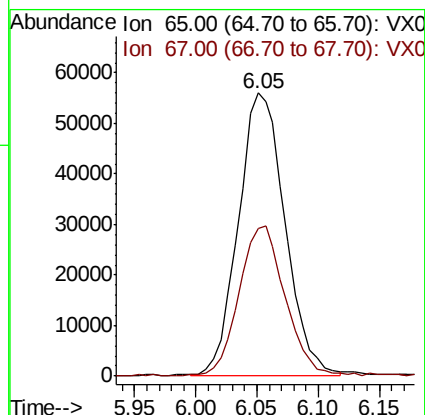
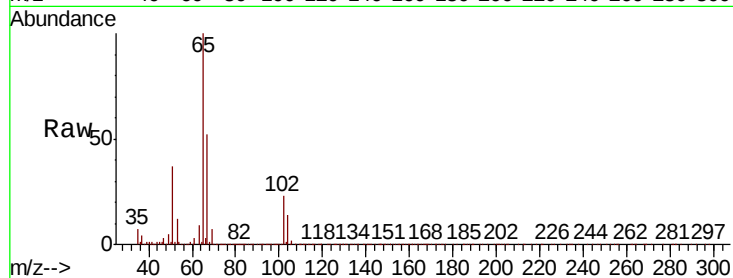
002-35TH-AVE-(FEB)

Tot Ion: 65 Resp: 147624

Ion Ratio Lower Upper

65 100

67 52.2 43.1 64.7



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014872.D

Acq: 07 Feb 2020 15:37

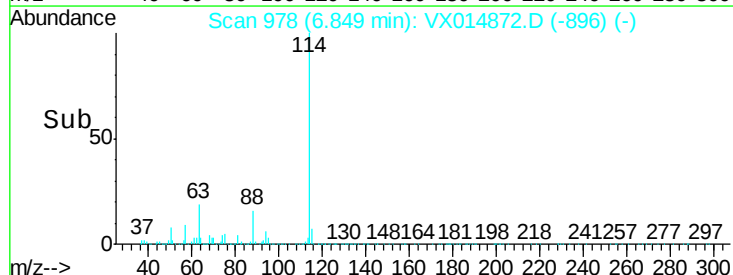
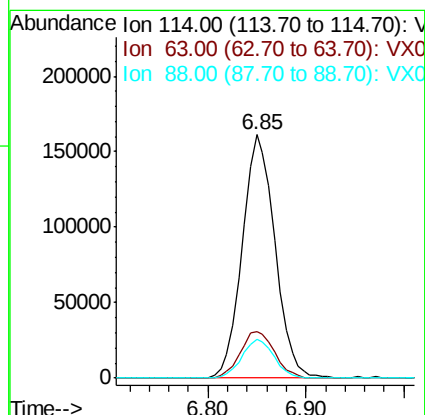
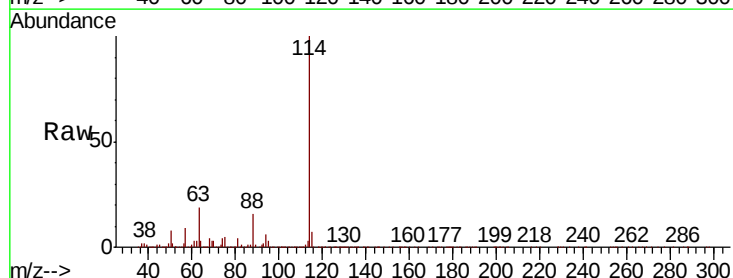
Tgt Ion: 114 Resp: 373244

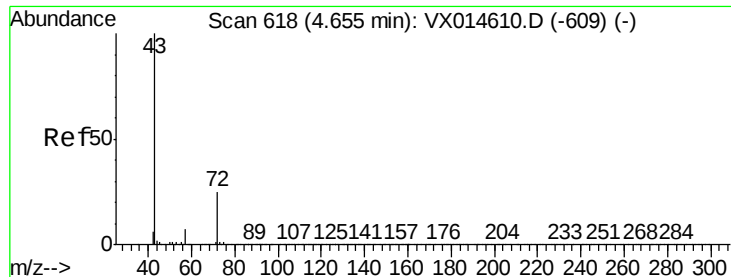
Ion Ratio Lower Upper

114 100

63 19.7 16.1 24.1

88 15.7 12.5 18.7

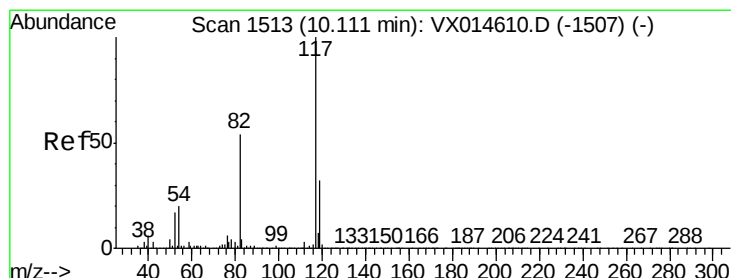
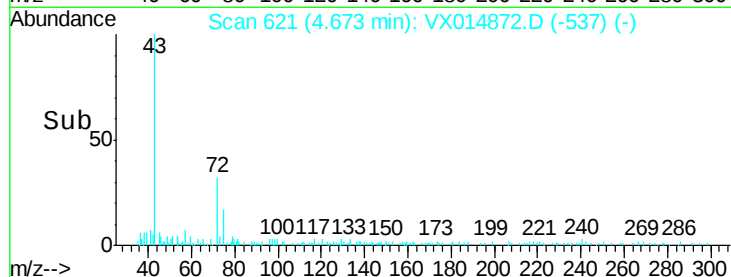
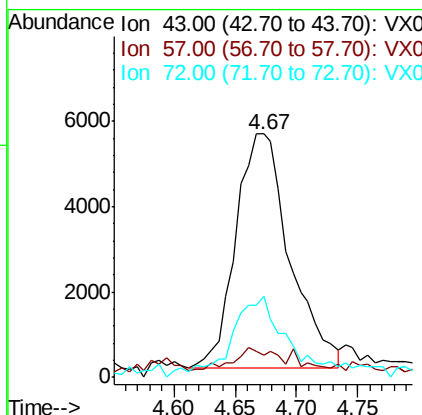
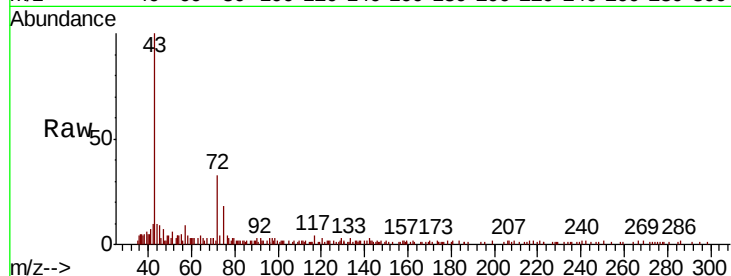




#30
2-Butanone
Concen: 4.891 ug/l
RT: 4.67 min Scan# 621
Delta R.T. 0.01 min
Lab File: VX014872.D
Acq: 07 Feb 2020 15:37

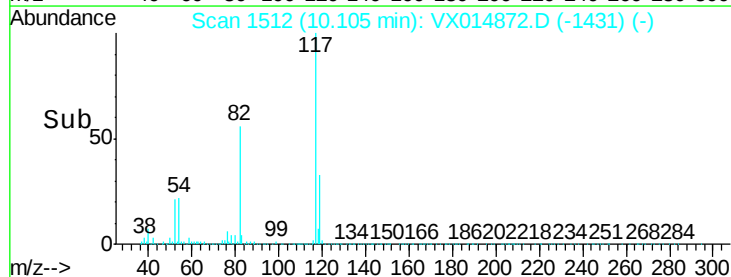
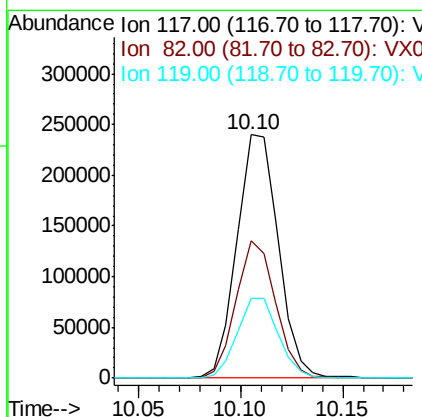
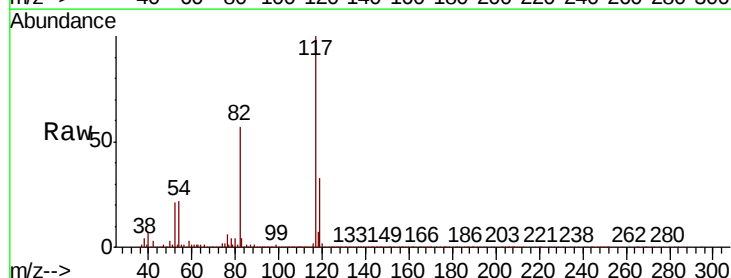
Instrument :
MSVOA_X
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002-35TH-AVE-(FEB)

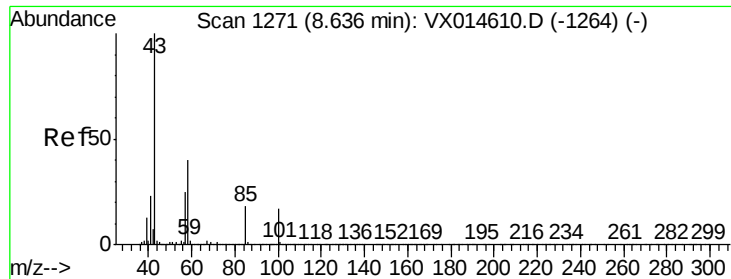
Tot Ion: 43 Resp: 16959
Ion Ratio Lower Upper
43 100
57 4.2 6.2 9.2#
72 26.7 20.3 30.5



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.10 min Scan# 1512
Delta R.T. -0.01 min
Lab File: VX014872.D
Acq: 07 Feb 2020 15:37

Tgt Ion: 117 Resp: 338704
Ion Ratio Lower Upper
117 100
82 53.6 43.8 65.6
119 32.8 25.8 38.6

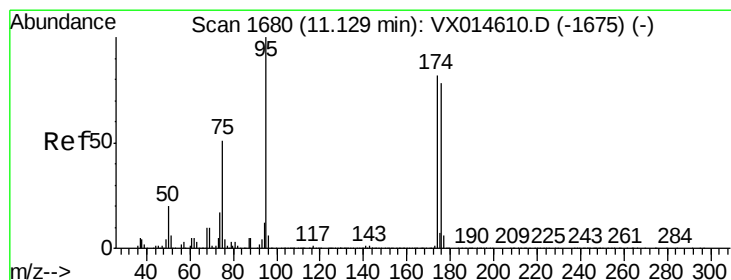
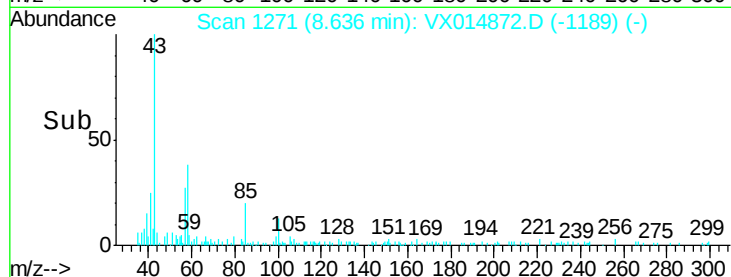
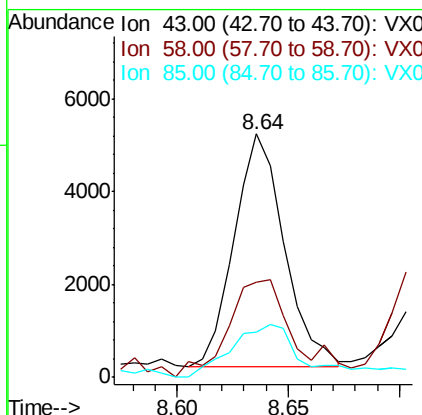
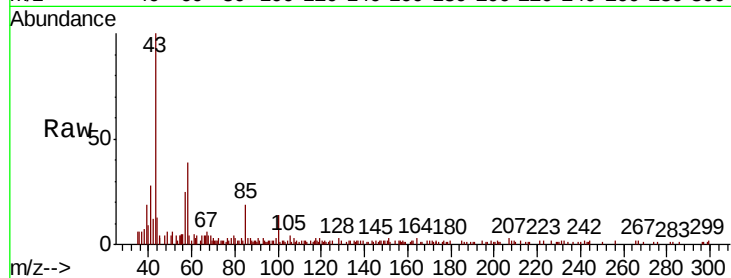




#58
4-Methyl-2-Pentanone
Concen: 1.226 ug/l
RT: 8.64 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VX014872.D
Acq: 07 Feb 2020 15:37

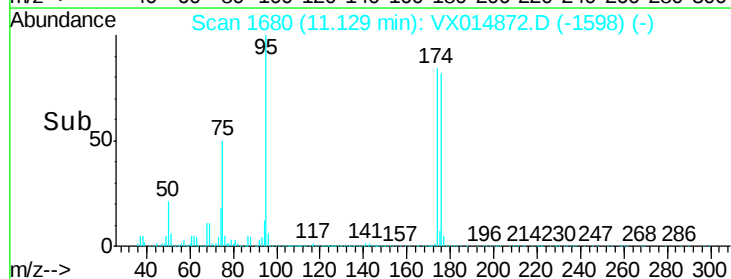
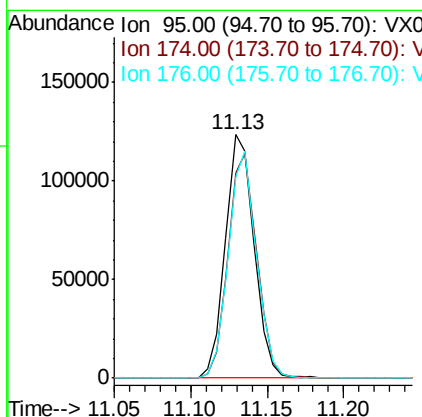
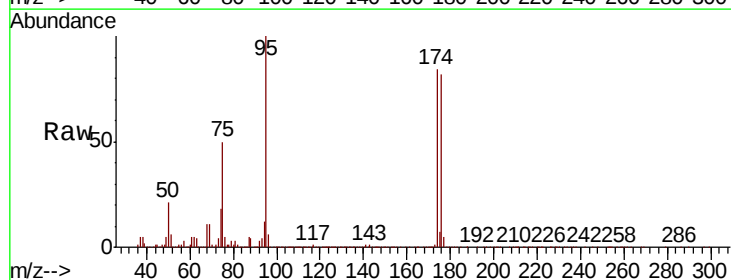
Instrument :
MSVOA_X
ClientSampleId :
002-35TH-AVE-(FEB)

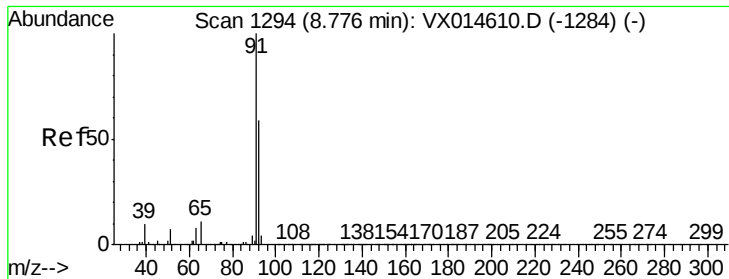
Tot Ion: 43 Resp: 7817
Ion Ratio Lower Upper
43 100
58 41.4 31.2 46.8
85 27.6 14.2 21.2#



#60
4-Bromofluorobenzene
Concen: 29.678 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014872.D
Acq: 07 Feb 2020 15:37

Tgt Ion: 95 Resp: 160853
Ion Ratio Lower Upper
95 100
174 92.1 70.2 105.2
176 91.3 68.3 102.5





#62

Toluene

Concen: 10.147 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014872.D

Acq: 07 Feb 2020 15:37

Instrument :

MSVOA_X

ClientSampleId :

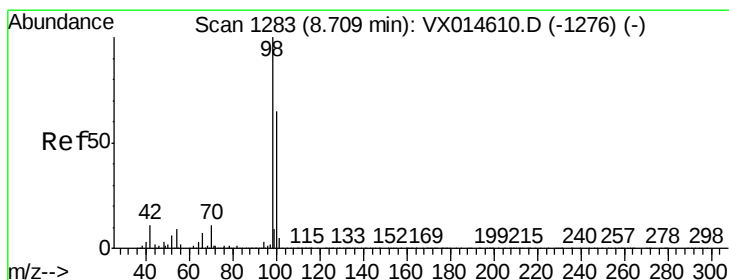
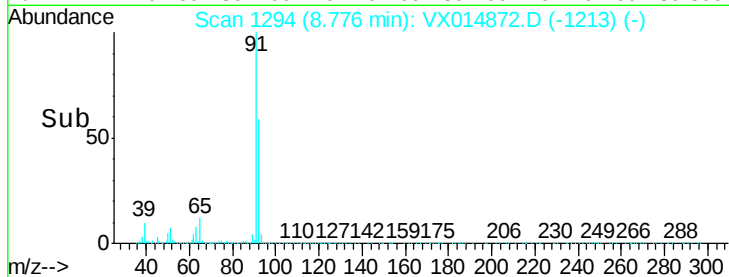
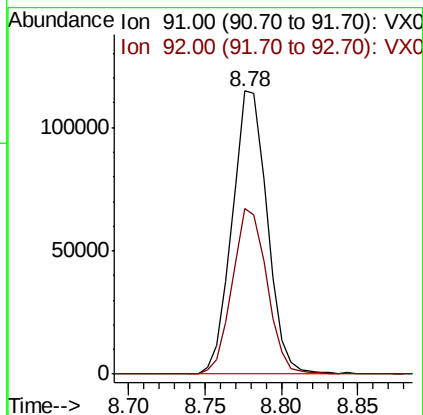
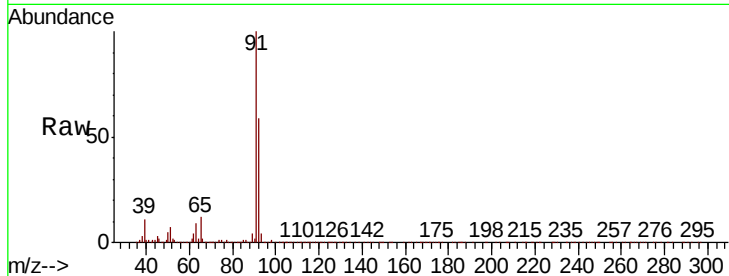
002-35TH-AVE-(FEB)

Tot Ion: 91 Resp: 182350

Ion Ratio Lower Upper

91 100

92 58.2 46.4 69.6



#63

Toluene-d8

Concen: 29.427 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014872.D

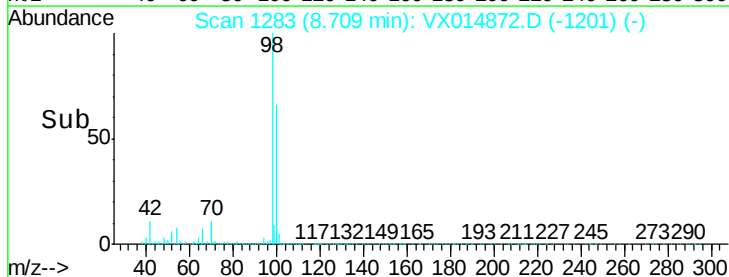
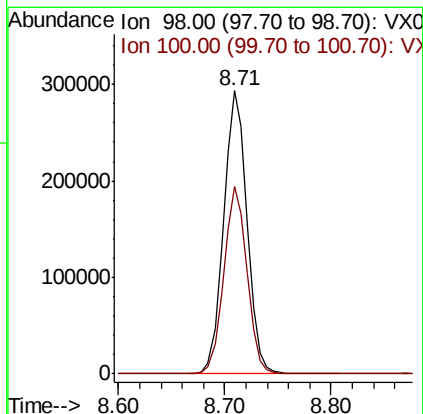
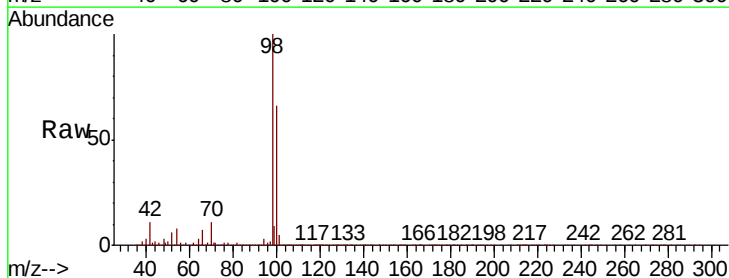
Acq: 07 Feb 2020 15:37

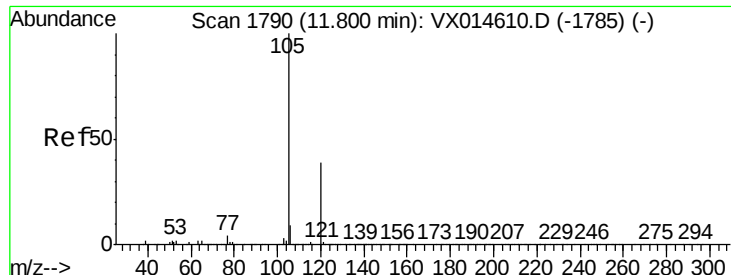
Tgt Ion: 98 Resp: 450214

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.2





#80

1,2,4-Trimethylbenzene

Concen: 0.474 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX014872.D

Acq: 07 Feb 2020 15:37

Instrument :

MSVOA_X

ClientSampleId :

002-35TH-AVE-(FEB)

Tot Ion:105 Resp: 7541

Ion Ratio Lower Upper

105 100

120 8.7 0.0 92.0

