

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX011520\
 Data File : VX014622.D
 Acq On : 15 Jan 2020 16:38
 Operator : JC/SP
 Sample : L1142-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WS-1

Quant Time: Jan 16 02:49:05 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	72922	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.85	114	394306	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.11	117	354706	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	6.05	65	158754	30.97	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	103.23%
60) 4-Bromofluorobenzene	11.13	95	164735	29.02	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.73%
63) Toluene-d8	8.71	98	477735	29.82	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.40%

Target Compounds

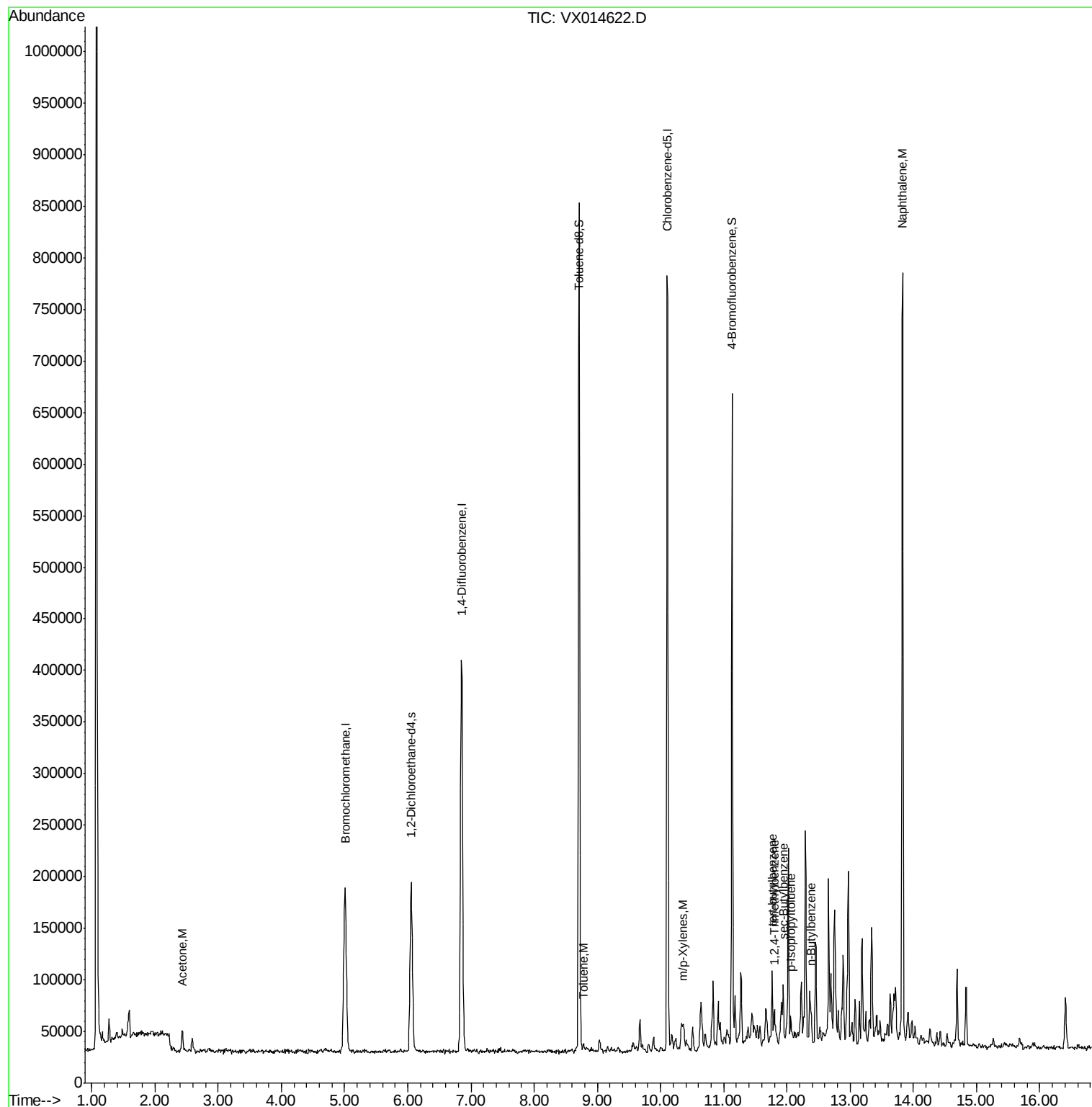
					Ovalue
15) Acetone	2.43	58	7228	8.641	ug/l 90
62) Toluene	8.78	91	5292	0.281	ug/l 97
67) m/p-Xylenes	10.35	106	2024	0.258	ug/l 79
79) tert-butylbenzene	11.76	119	22176	1.420	ug/l 91
80) 1,2,4-Trimethylbenzene	11.81	105	7245	0.435	ug/l 97
81) sec-Butylbenzene	11.94	105	21383	1.107	ug/l 99
82) p-Isopropyltoluene	12.06	119	11994	0.680	ug/l 96
85) n-Butylbenzene	12.39	91	5044	0.327	ug/l 84
91) Naphthalene	13.83	128	482515	25.888	ug/l 100

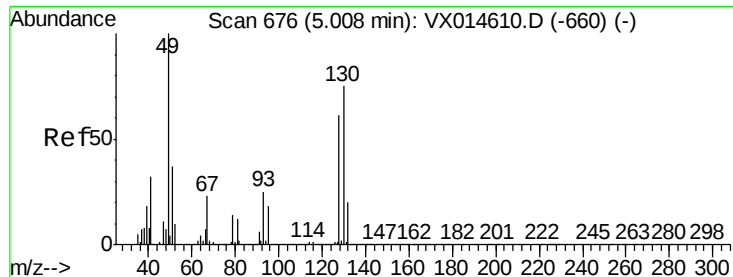
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX011520\
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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WS-1

Quant Time: Jan 16 02:49:05 2020
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 5.01 min Scan# 676

Delta R.T. 0.01 min

Lab File: VX014622.D

Acq: 15 Jan 2020 16:38

Instrument :
MSVOA_X
ClientSampled :
WS-1

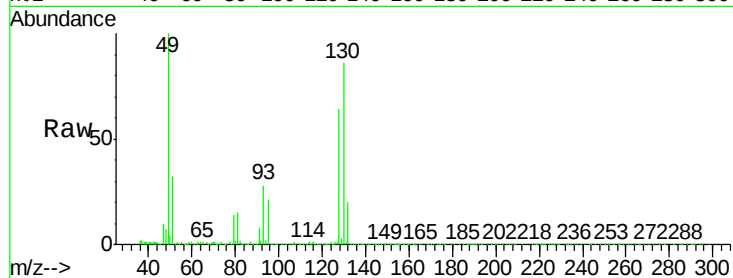
Tot Ion:128 Resp: 72922

Ion Ratio Lower Upper

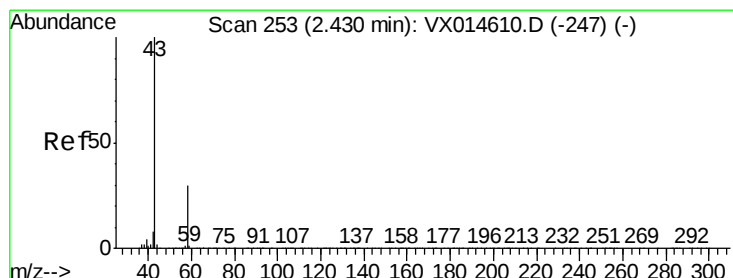
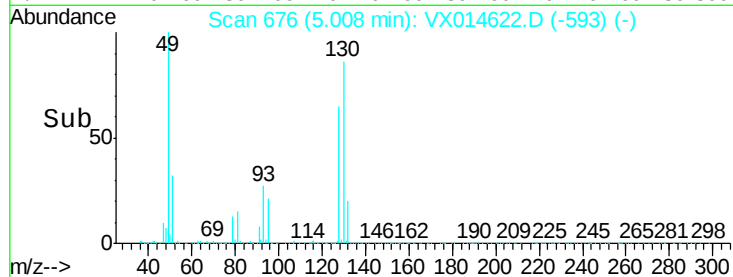
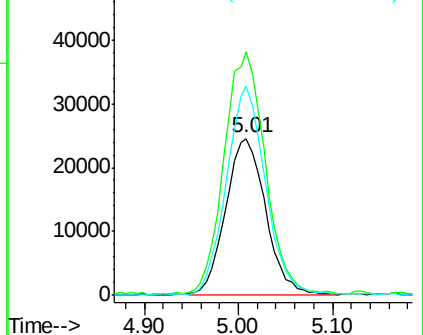
128 100

49 160.5 0.0 405.0

130 130.8 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: 8.641 ug/l

RT: 2.43 min Scan# 253

Delta R.T. -0.01 min

Lab File: VX014622.D

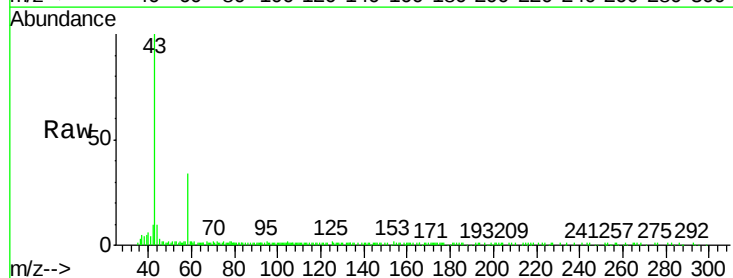
Acq: 15 Jan 2020 16:38

Tgt Ion: 58 Resp: 7228

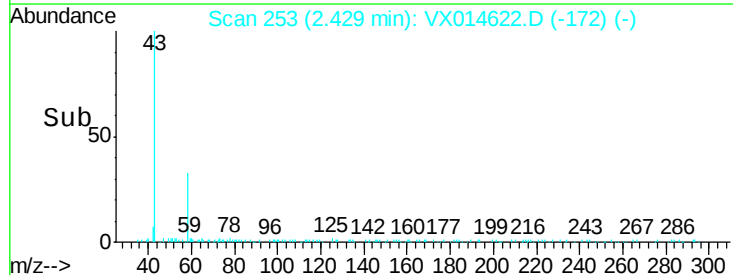
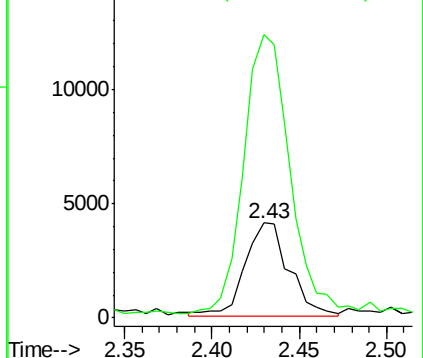
Ion Ratio Lower Upper

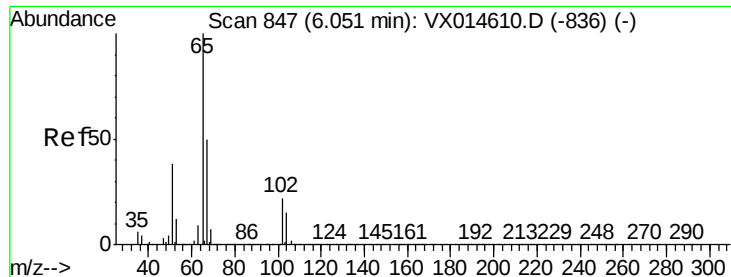
58 100

43 314.2 236.3 354.5



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: 30.973 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014622.D

Acq: 15 Jan 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

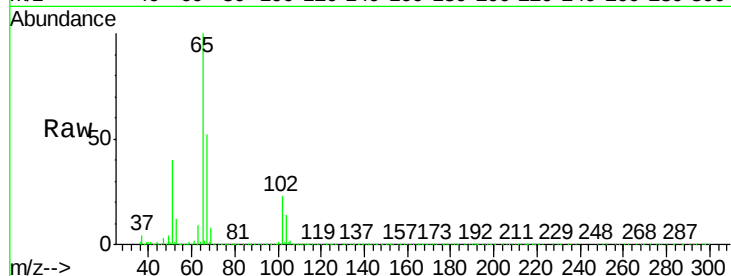
WS-1

Tot Ion: 65 Resp: 158754

Ion Ratio Lower Upper

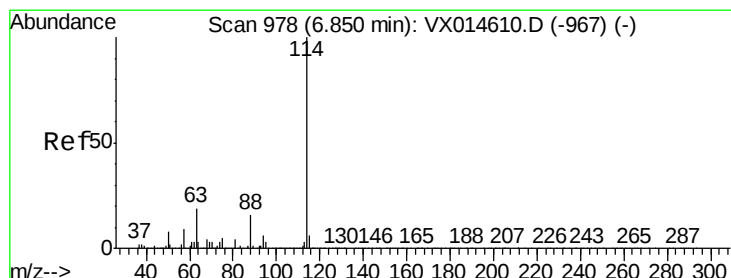
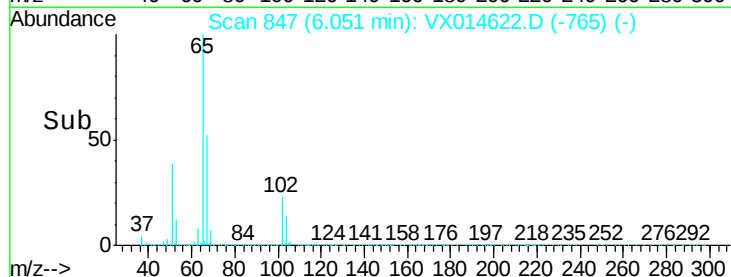
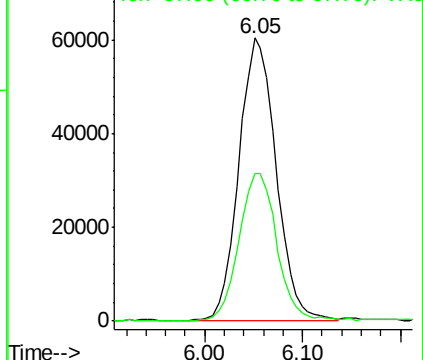
65 100

67 52.8 43.1 64.7



Abundance Ion 65.00 (64.70 to 65.70): VX0

Ion 67.00 (66.70 to 67.70): VX0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014622.D

Acq: 15 Jan 2020 16:38

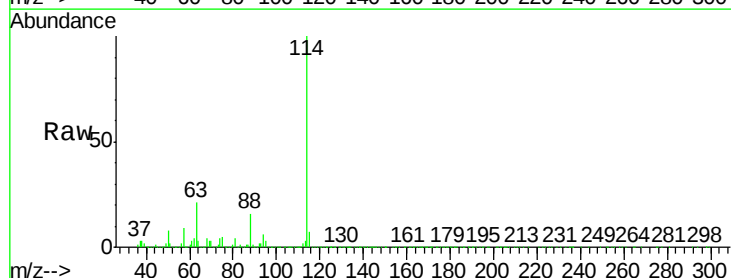
Tgt Ion: 114 Resp: 394306

Ion Ratio Lower Upper

114 100

63 19.8 16.1 24.1

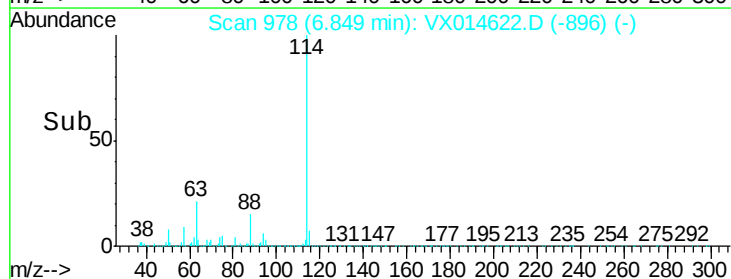
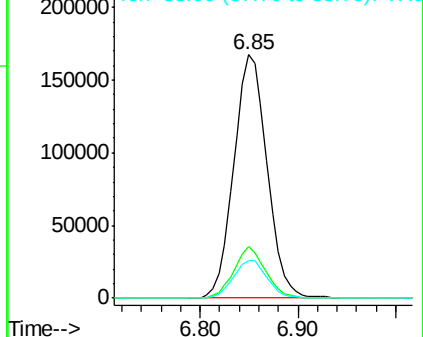
88 15.6 12.5 18.7

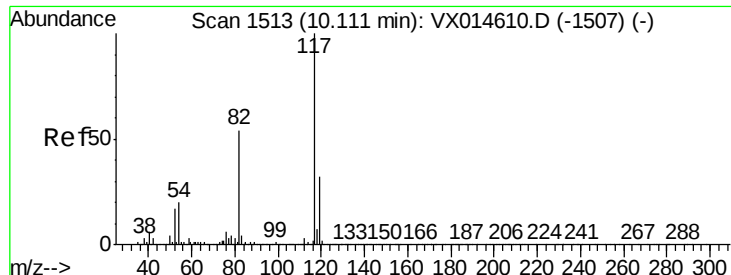


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 88.00 (87.70 to 88.70): VX0

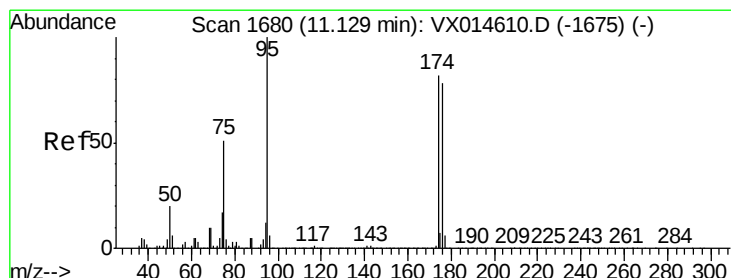
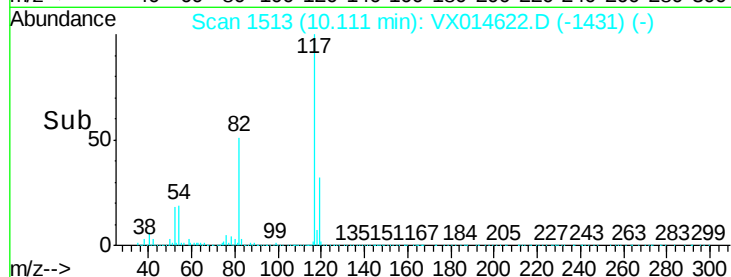
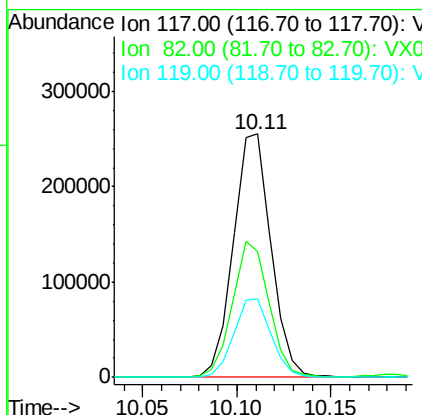
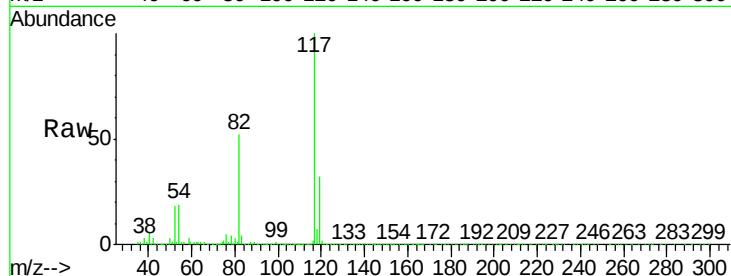




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014622.D
Acq: 15 Jan 2020 16:38

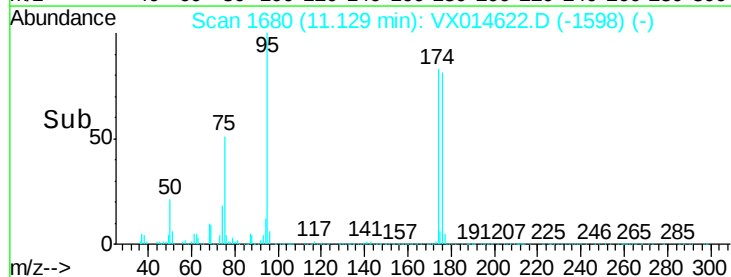
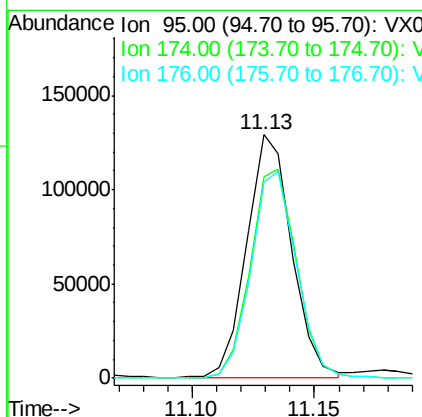
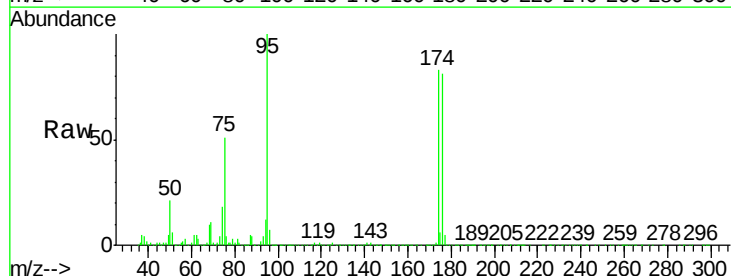
Instrument :
MSVOA_X
ClientSampleId :
WS-1

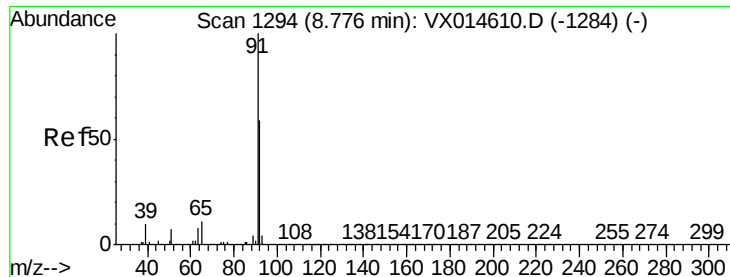
Tot Ion	Ratio	Lower	Upper
117	100		
82	54.2	43.8	65.6
119	32.0	25.8	38.6



#60
4-Bromofluorobenzene
Concen: 29.023 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VX014622.D
Acq: 15 Jan 2020 16:38

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.4	70.2	105.2
176	85.5	68.3	102.5





#62

Toluene

Concen: 0.281 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX014622.D

Acq: 15 Jan 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

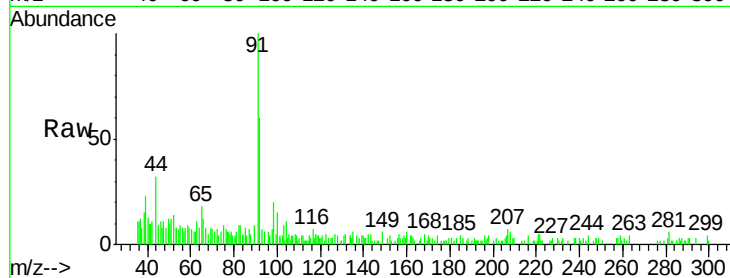
WS-1

Tot Ion: 91 Resp: 5292

Ion Ratio Lower Upper

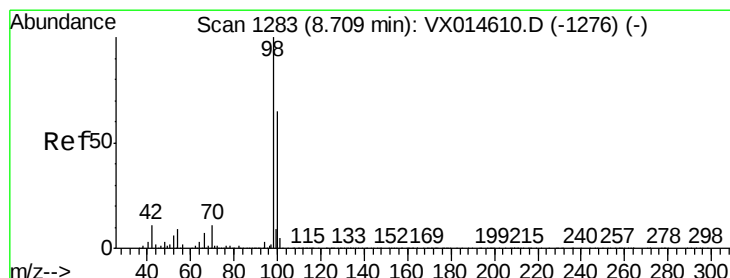
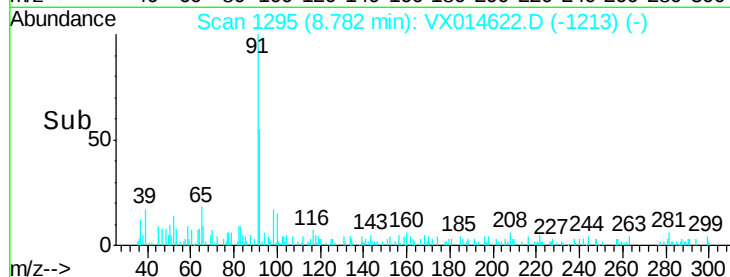
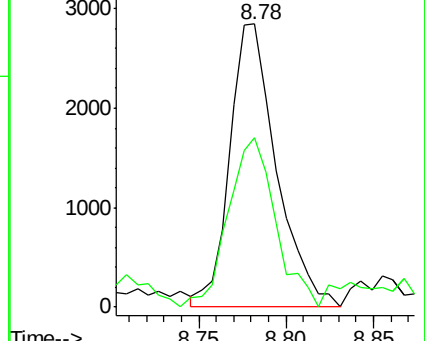
91 100

92 60.1 46.4 69.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0



#63

Toluene-d8

Concen: 29.818 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014622.D

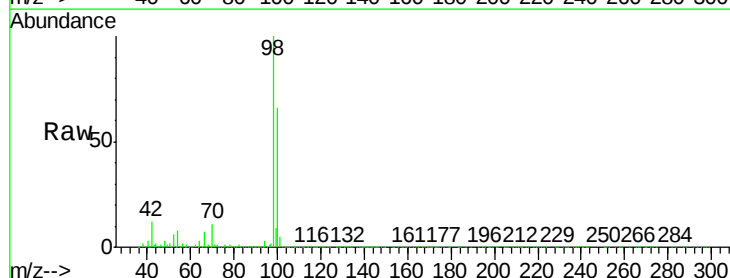
Acq: 15 Jan 2020 16:38

Tgt Ion: 98 Resp: 477735

Ion Ratio Lower Upper

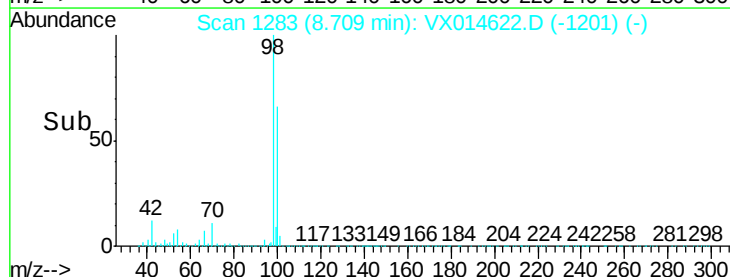
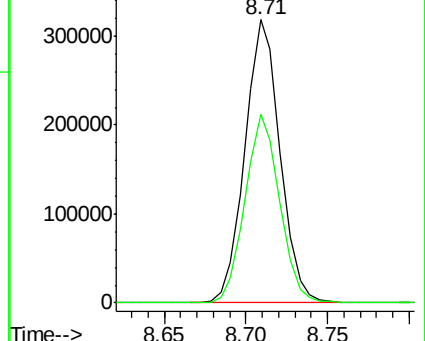
98 100

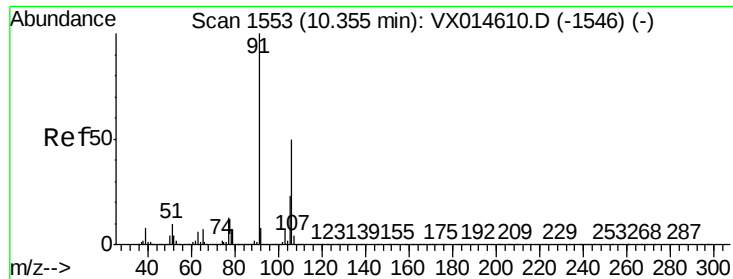
100 65.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#67

m/p-Xvlenes

Concen: 0.258 ug/l

RT: 10.35 min Scan# 1552

Delta R.T. -0.01 min

Lab File: VX014622.D

Acq: 15 Jan 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

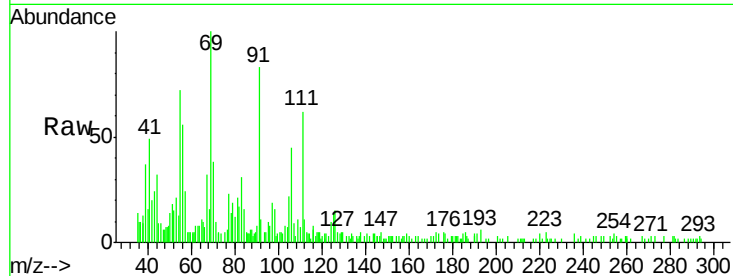
WS-1

Tot Ion:106 Resp: 2024

Ion Ratio Lower Upper

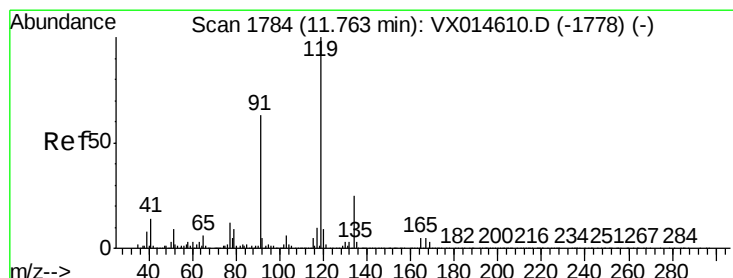
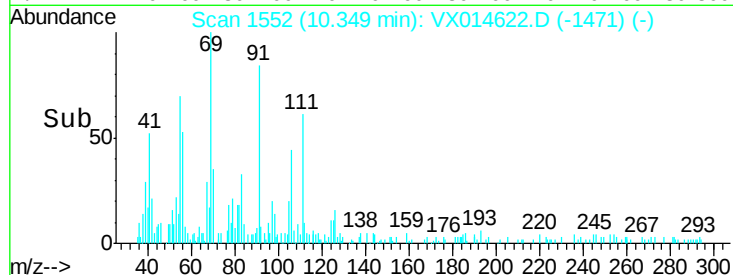
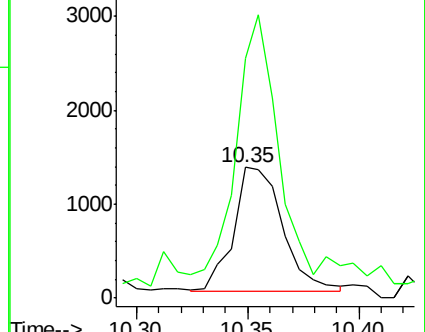
106 100

91 167.3 159.3 238.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#79

tert-butylbenzene

Concen: 1.420 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX014622.D

Acq: 15 Jan 2020 16:38

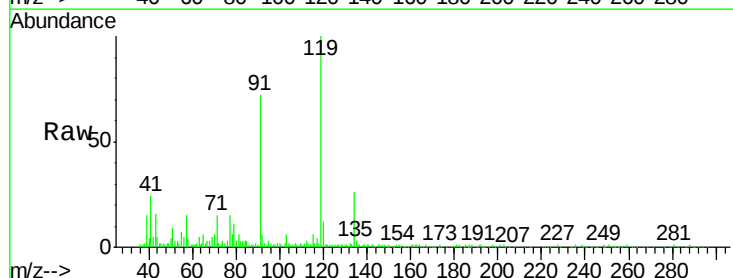
Tgt Ion:119 Resp: 22176

Ion Ratio Lower Upper

119 100

91 65.2 0.0 112.6

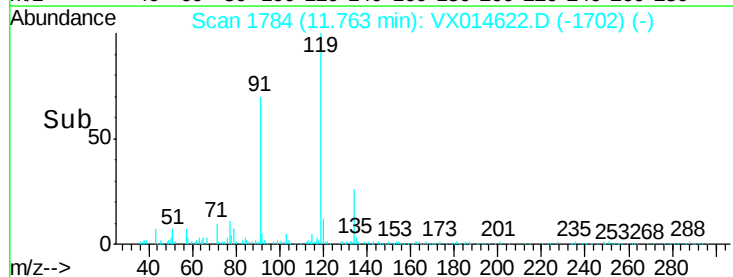
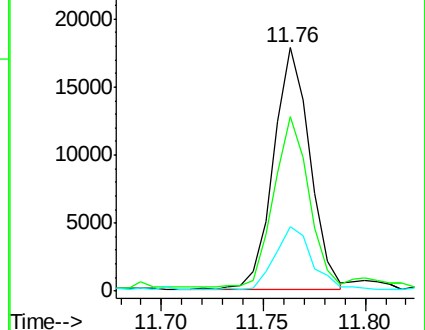
134 25.6 0.0 49.8

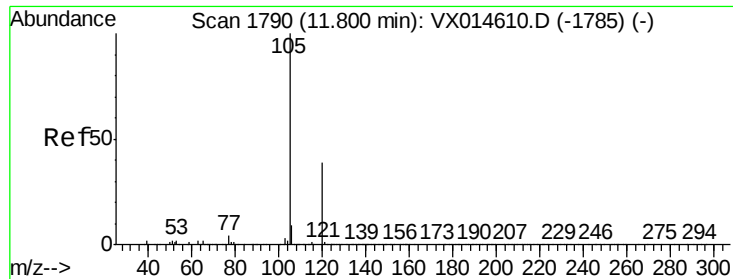


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V

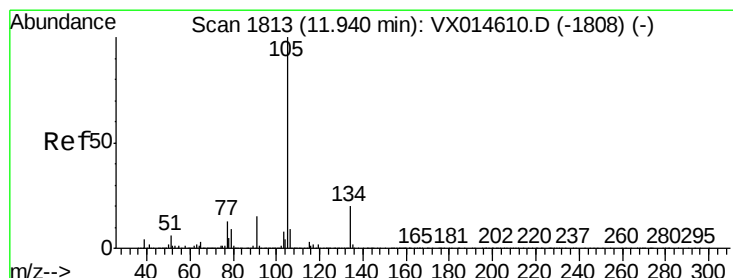
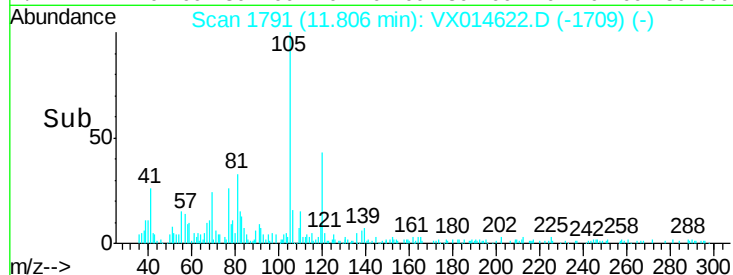
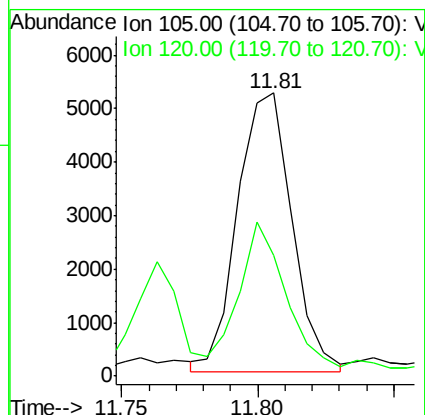
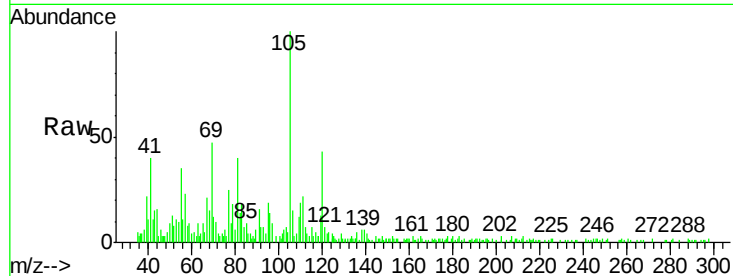




#80
 1,2,4-Trimethylbenzene
 Concen: 0.435 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.00 min
 Lab File: VX014622.D
 Acq: 15 Jan 2020 16:38

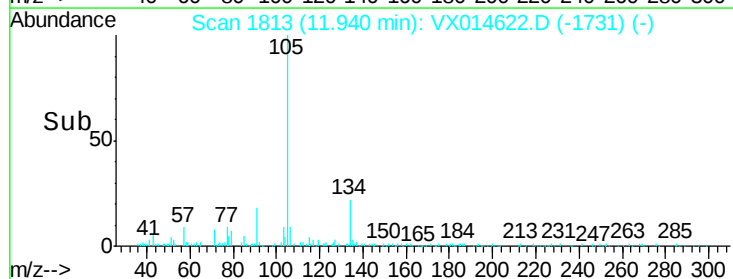
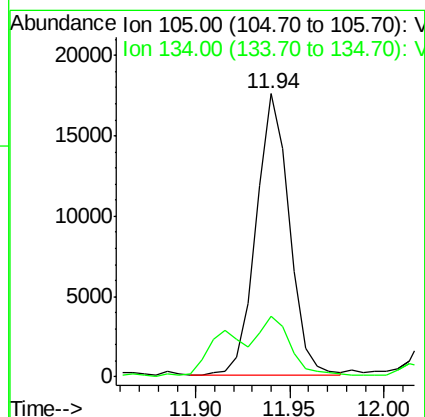
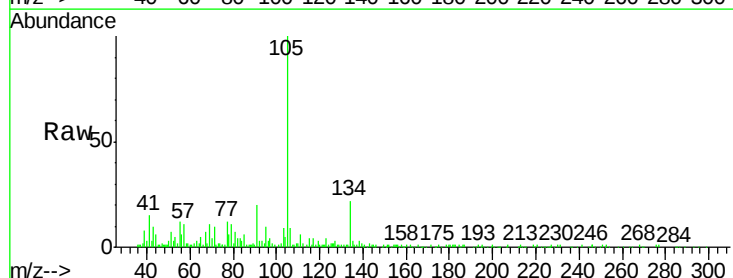
Instrument :
 MSVOA_X
 ClientSampled :
 WS-1

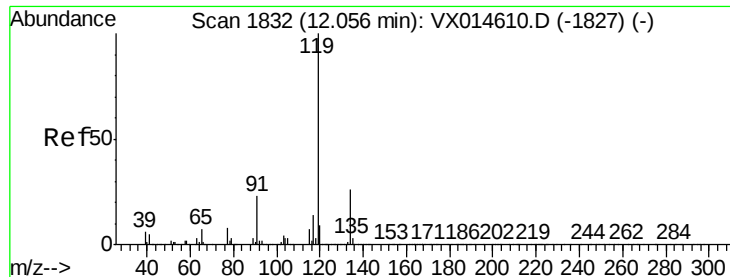
Tot Ion:105 Resp: 7245
 Ion Ratio Lower Upper
 105 100
 120 47.8 0.0 92.0



#81
 sec-Butylbenzene
 Concen: 1.107 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014622.D
 Acq: 15 Jan 2020 16:38

Tgt Ion:105 Resp: 21383
 Ion Ratio Lower Upper
 105 100
 134 20.6 0.0 40.2

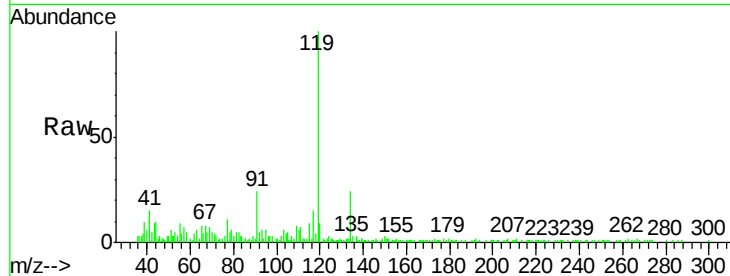




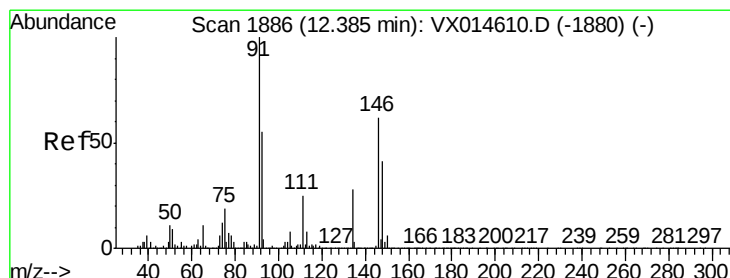
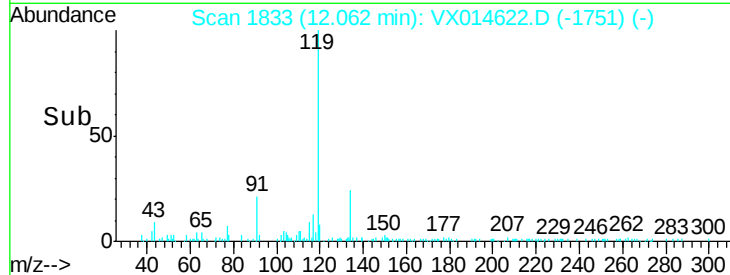
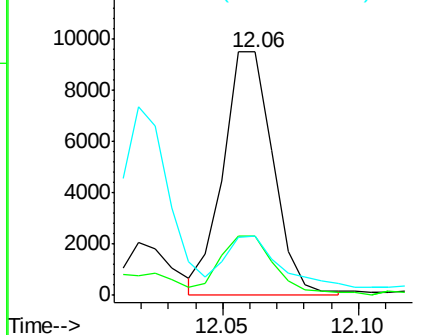
#82
p-Isopropyltoluene
Concen: 0.680 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX014622.D
Acq: 15 Jan 2020 16:38

Instrument :
MSVOA_X
ClientSampleId :
WS-1

Tot Ion:119 Resp: 11994
Ion Ratio Lower Upper
119 100
134 27.9 0.0 53.8
91 25.3 0.0 45.0

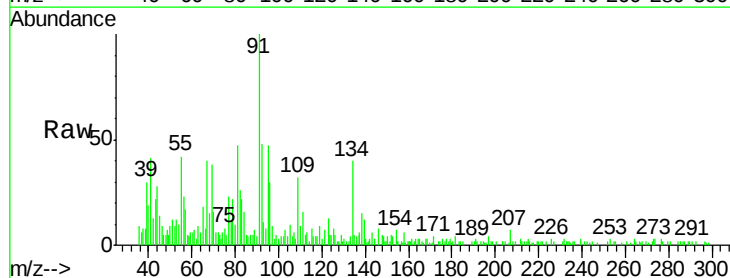


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

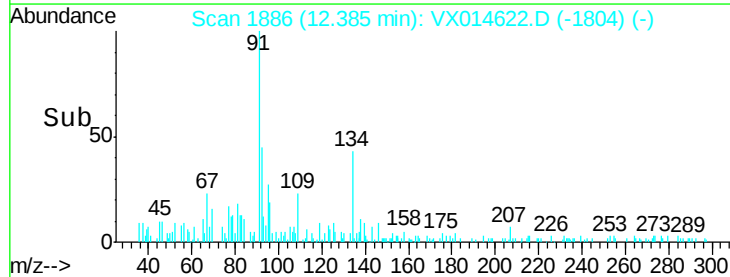
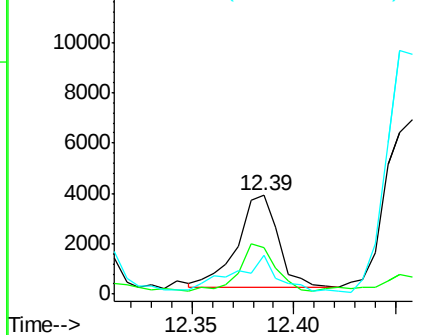


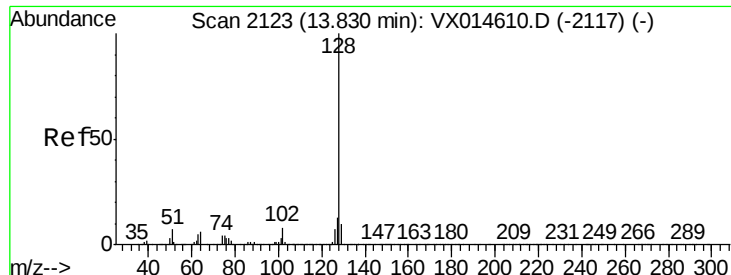
#85
n-Butylbenzene
Concen: 0.327 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014622.D
Acq: 15 Jan 2020 16:38

Tgt Ion: 91 Resp: 5044
Ion Ratio Lower Upper
91 100
92 46.0 0.0 109.0
134 40.1 0.0 54.0



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 92.00 (91.70 to 92.70): VX0
Ion 134.00 (133.70 to 134.70): V





#91

Naphthalene

Concen: 25.888 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014622.D

Acq: 15 Jan 2020 16:38

Instrument :

MSVOA_X

ClientSampleId :

WS-1

Tot Ion:128 Resp: 482515

Ion Ratio Lower Upper

128 100

127 13.0 10.4 15.6

129 11.3 8.9 13.3

