

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX010620\
 Data File : VX014428.D
 Acq On : 06 Jan 2020 15:32
 Operator : JC/SP
 Sample : K6484-40
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40330-40334

Quant Time: Jan 06 16:46:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	581236	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	885236	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	814916	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	401130	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	311333	47.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.52%	
35) Dibromofluoromethane	5.49	113	262039	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	8.71	98	1054929	50.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.70%	
62) 4-Bromofluorobenzene	11.13	95	380429	49.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.34%	

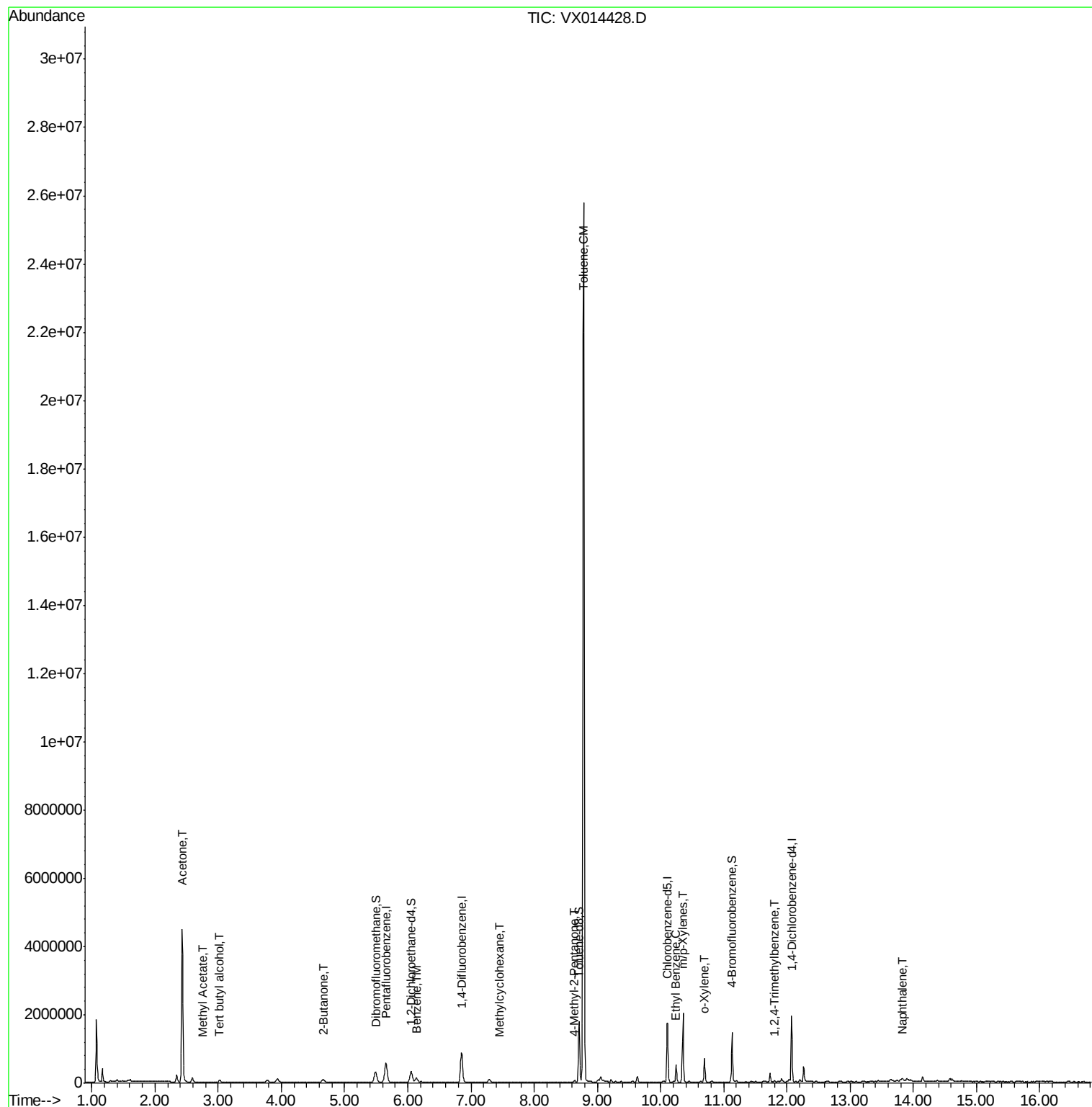
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	74574	52.391	ug/l	100
16) Acetone	2.43	43	4586002	1072.322	ug/l	99
18) Methyl Acetate	2.76	43	11632	1.373	ug/l	100
25) 2-Butanone	4.66	43	128666	24.402	ug/l	99
39) Methylcyclohexane	7.45	83	3045	0.304	ug/l	89
40) Benzene	6.14	78	149176	5.969	ug/l	98
51) 4-Methyl-2-Pentanone	8.64	43	27615	2.962	ug/l	100
52) Toluene	8.78	92	10161032	643.236	ug/l	84
67) Ethyl Benzene	10.25	91	286150	9.606	ug/l	99
68) m/p-Xylenes	10.35	106	496509	43.335	ug/l	100
69) o-Xylene	10.70	106	156604	13.937	ug/l	97
84) 1,2,4-Trimethylbenzene	11.80	105	18382	0.772	ug/l	98
95) Naphthalene	13.83	128	50392	1.925	ug/l #	91

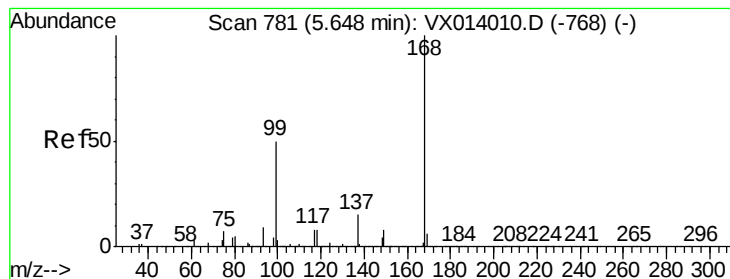
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX010620\
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Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014428.D

Acq: 06 Jan 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

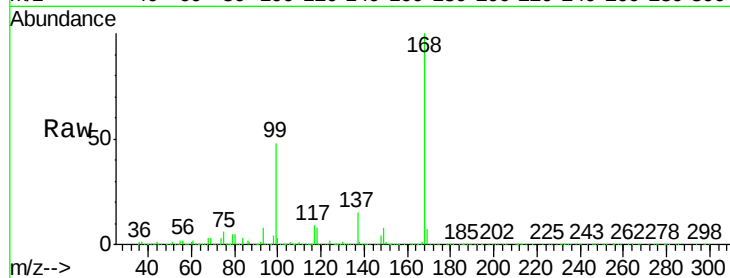
40330-40334

Tgt Ion:168 Resp: 581236

Ion Ratio Lower Upper

168 100

99 48.0 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

250000

200000

150000

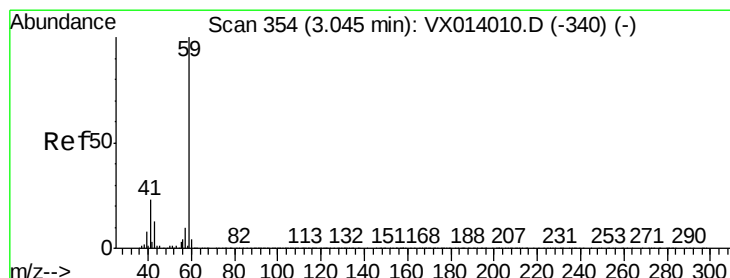
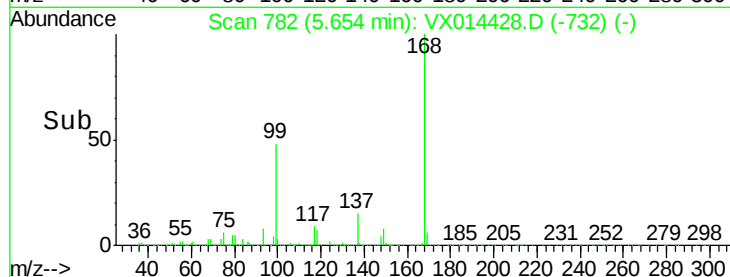
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#11

Tert butyl alcohol

Concen: 52.391 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.02 min

Lab File: VX014428.D

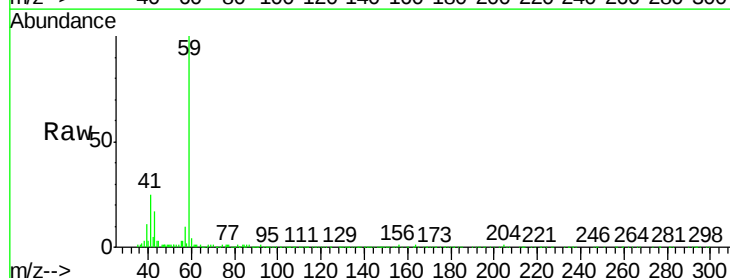
Acq: 06 Jan 2020 15:32

Tgt Ion: 59 Resp: 74574

Ion Ratio Lower Upper

59 100

57 10.5 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

30000

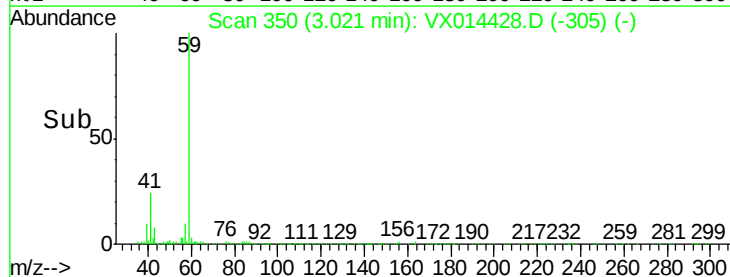
20000

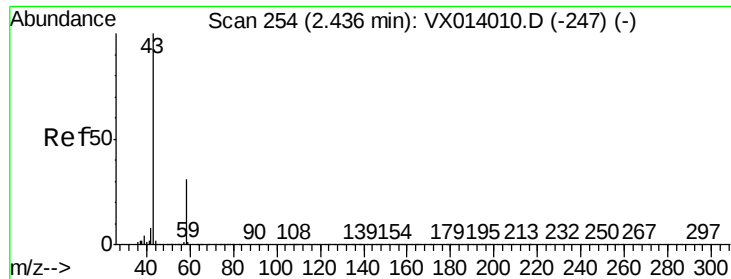
10000

0

Time-->

2.90 3.00 3.10

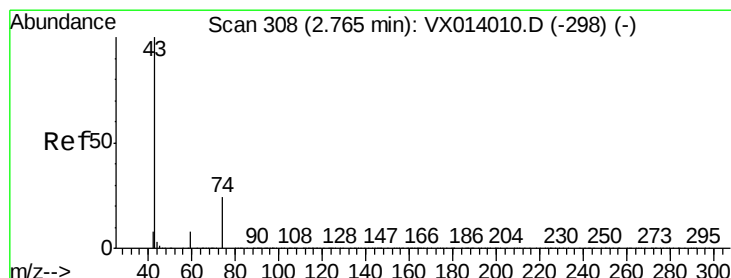
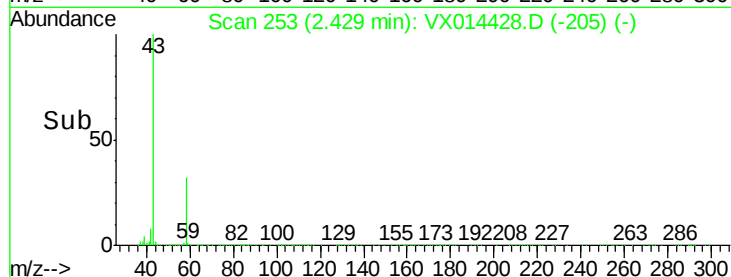
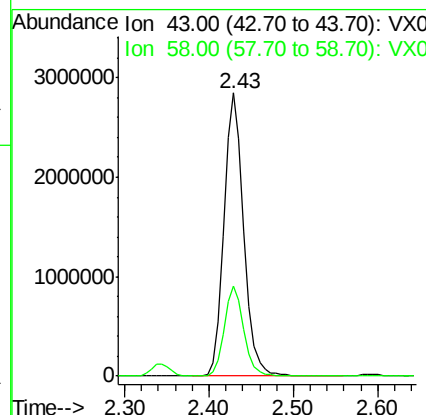
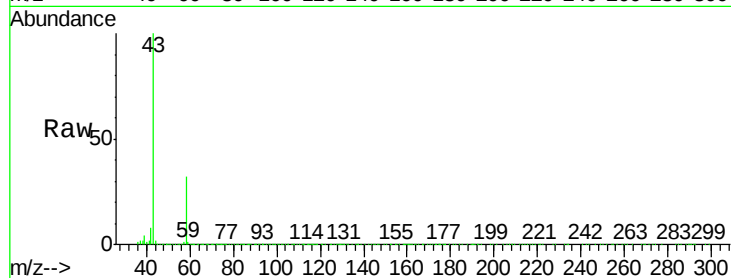




#16
Acetone
Concen: 1072.322 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014428.D
Acq: 06 Jan 2020 15:32

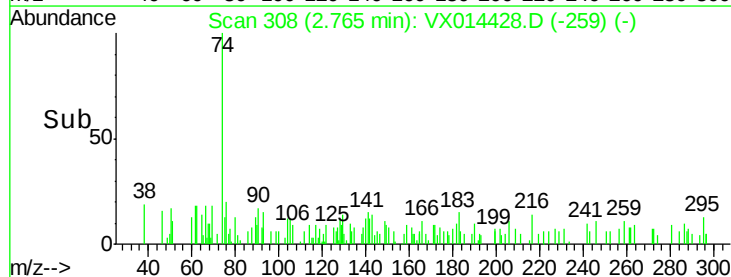
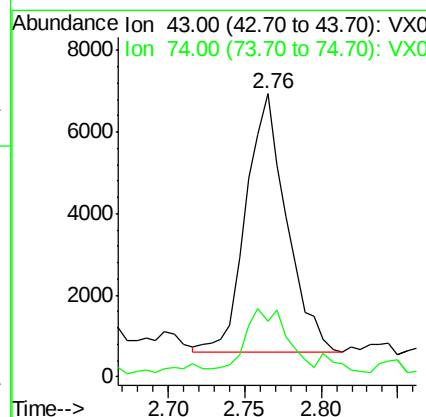
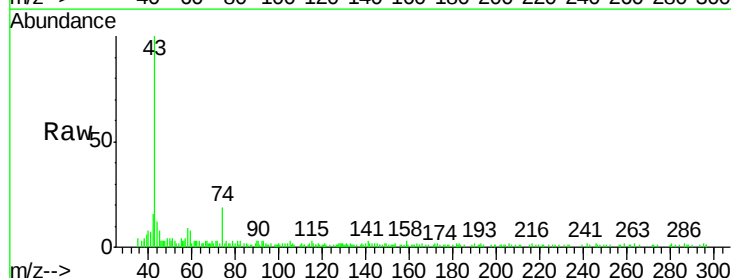
Instrument :
MSVOA_X
ClientSampleId :
40330-40334

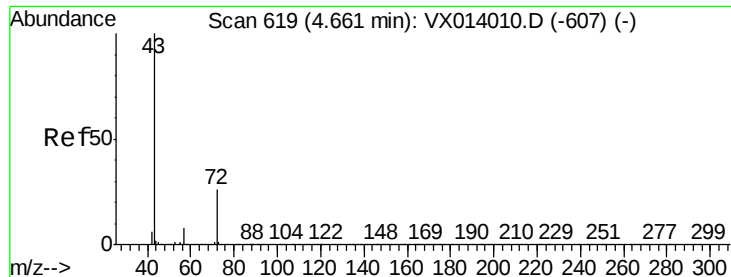
Tgt Ion: 43 Resp: 4586002
Ion Ratio Lower Upper
43 100
58 31.9 24.9 37.3



#18
Methyl Acetate
Concen: 1.373 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX014428.D
Acq: 06 Jan 2020 15:32

Tgt Ion: 43 Resp: 11632
Ion Ratio Lower Upper
43 100
74 24.6 19.5 29.3





#25

2-Butanone

Concen: 24.402 ug/l

RT: 4.66 min Scan# 619

Delta R.T. 0.00 min

Lab File: VX014428.D

Acq: 06 Jan 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

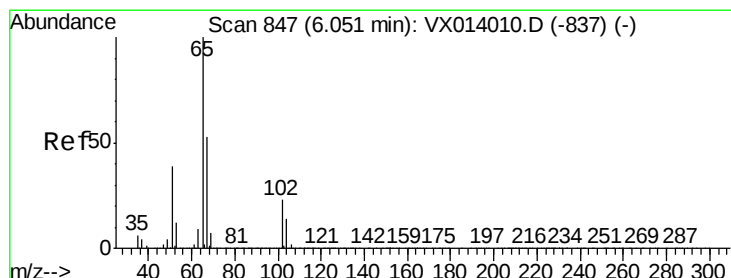
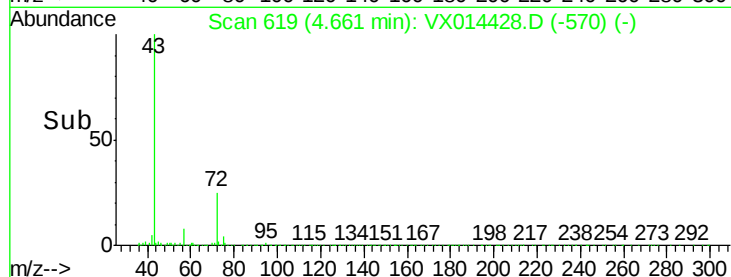
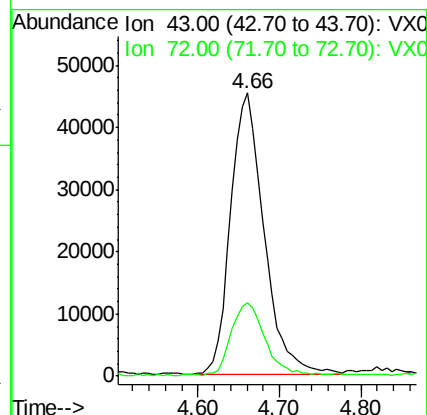
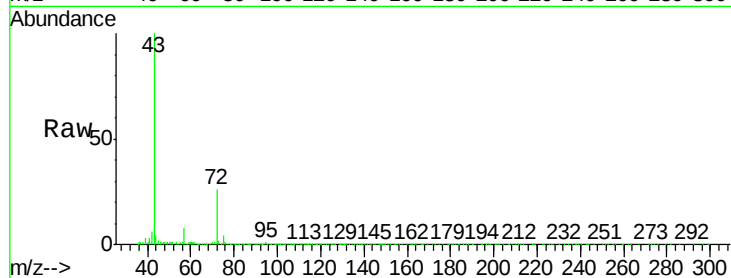
40330-40334

Tgt Ion: 43 Resp: 128666

Ion Ratio Lower Upper

43 100

72 25.8 21.0 31.4



#33

1,2-Dichloroethane-d4

Concen: 47.261 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014428.D

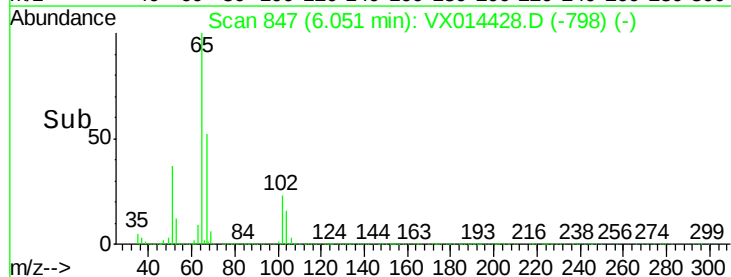
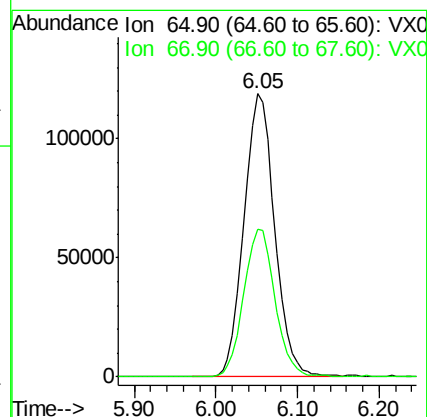
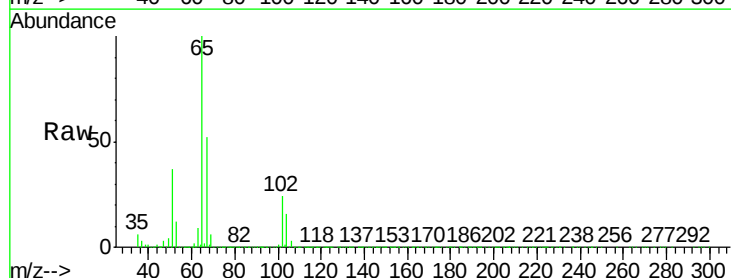
Acq: 06 Jan 2020 15:32

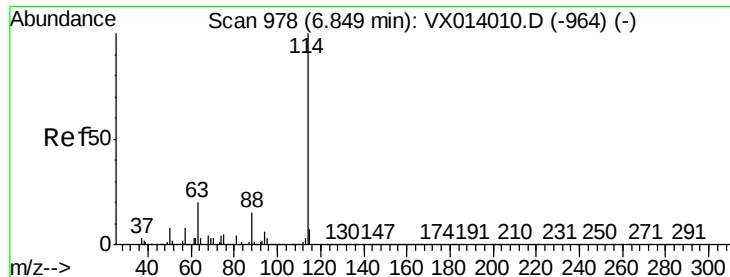
Tgt Ion: 65 Resp: 311333

Ion Ratio Lower Upper

65 100

67 53.3 0.0 106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014428.D

Acq: 06 Jan 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

40330-40334

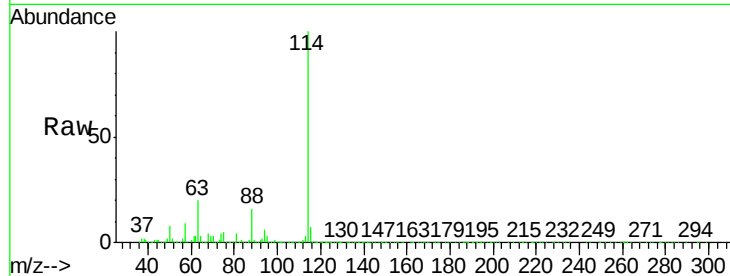
Tgt Ion:114 Resp: 885236

Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.8

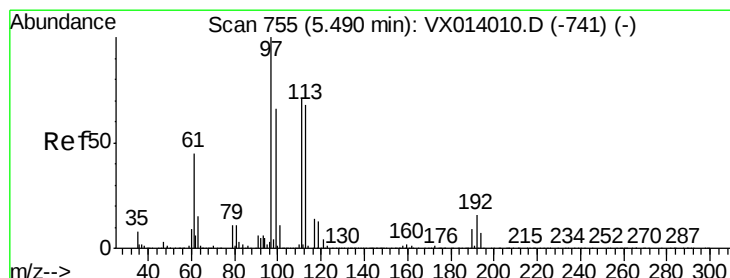
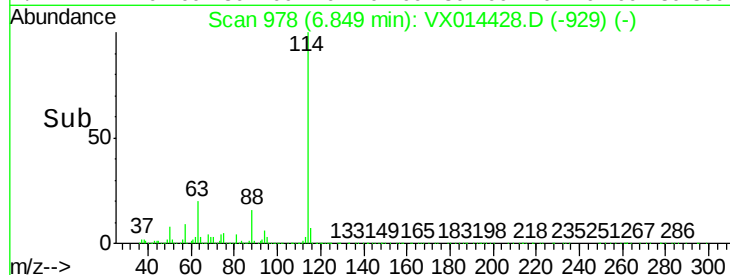
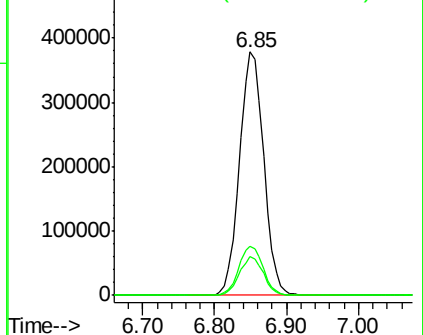
88 16.1 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.695 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014428.D

Acq: 06 Jan 2020 15:32

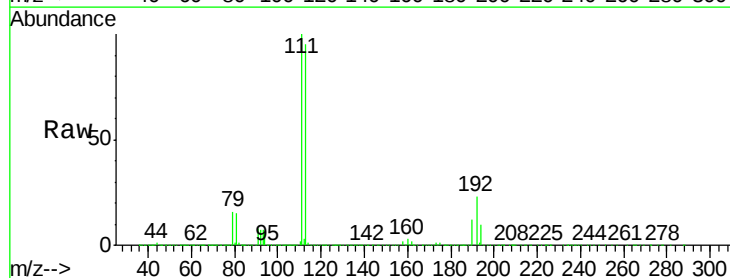
Tgt Ion:113 Resp: 262039

Ion Ratio Lower Upper

113 100

111 101.5 82.0 123.0

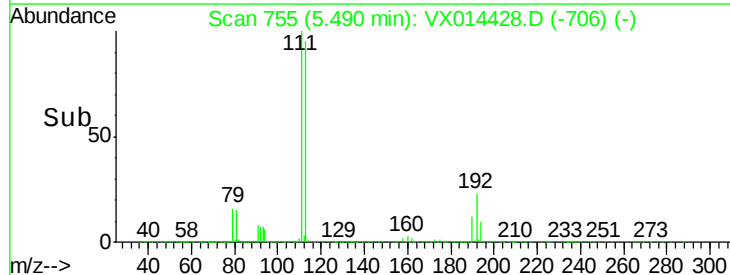
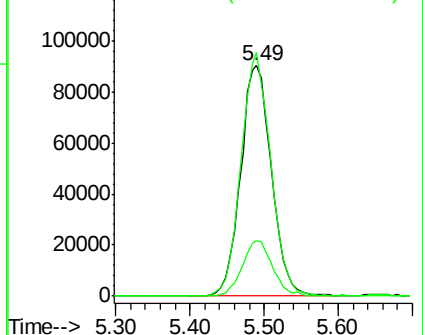
192 23.9 19.3 28.9

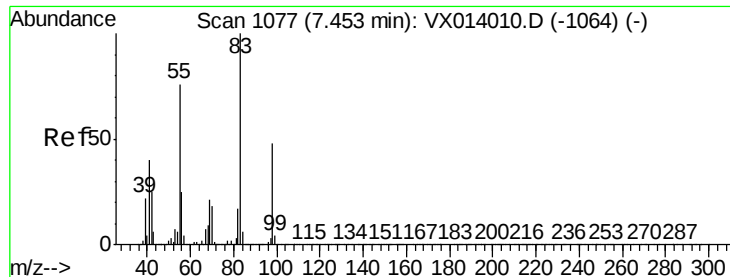


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

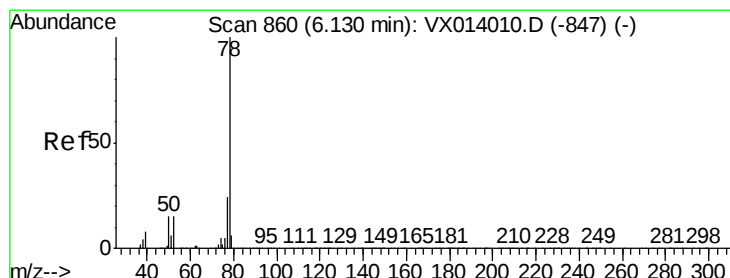
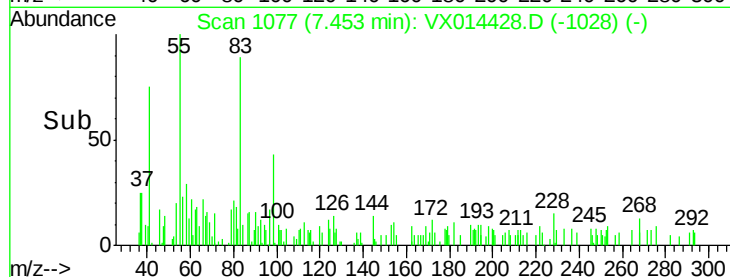
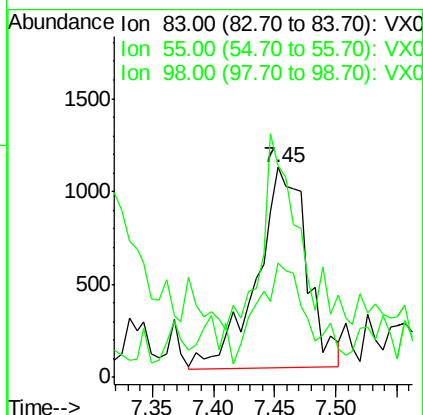
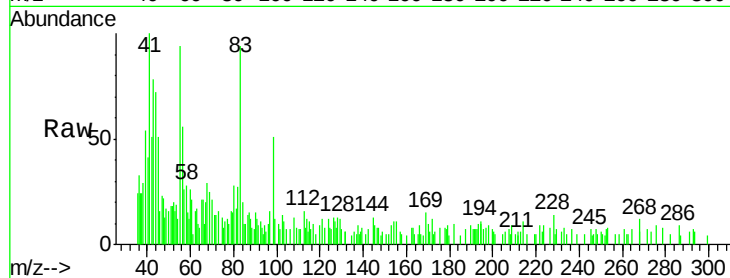




#39
Methylcyclohexane
Concen: 0.304 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX014428.D
Acq: 06 Jan 2020 15:32

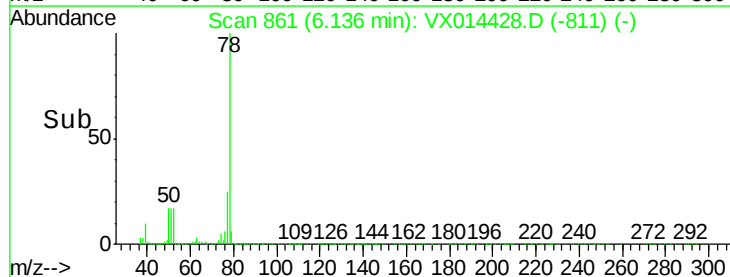
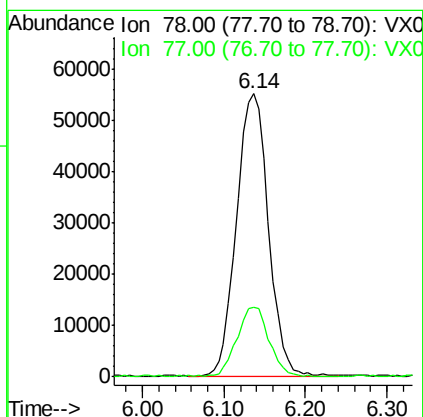
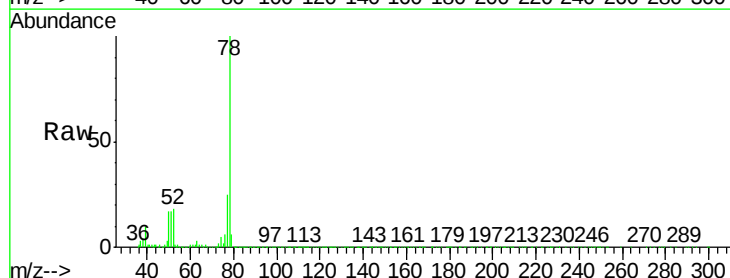
Instrument :
MSVOA_X
ClientSampled :
40330-40334

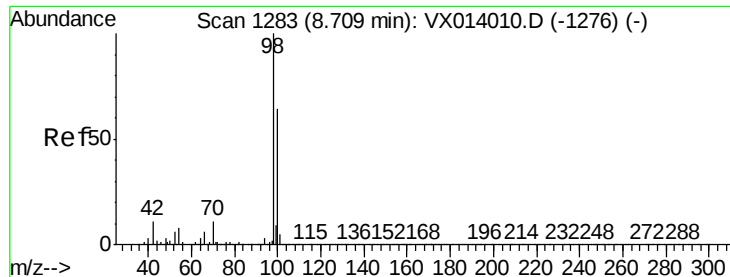
Tgt Ion: 83 Resp: 3045
Ion Ratio Lower Upper
83 100
55 64.7 61.0 91.6
98 44.2 38.6 57.8



#40
Benzene
Concen: 5.969 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX014428.D
Acq: 06 Jan 2020 15:32

Tgt Ion: 78 Resp: 149176
Ion Ratio Lower Upper
78 100
77 24.5 18.8 28.2





#50

Toluene-d8

Concen: 50.353 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014428.D

Acq: 06 Jan 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

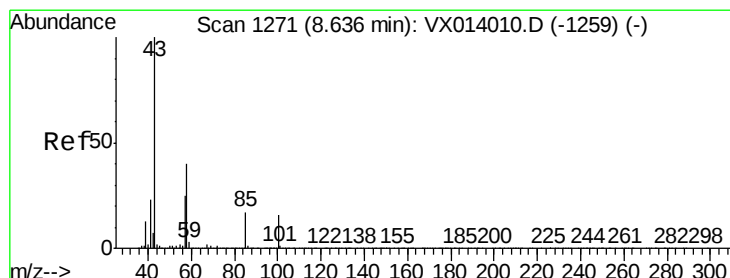
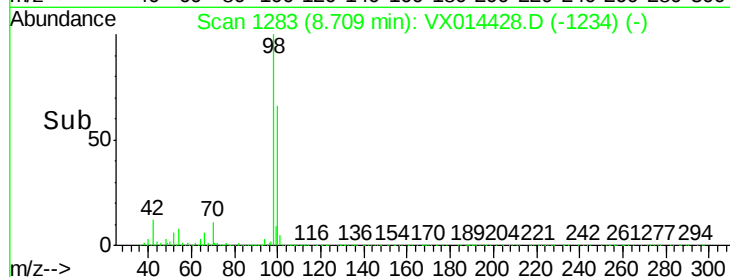
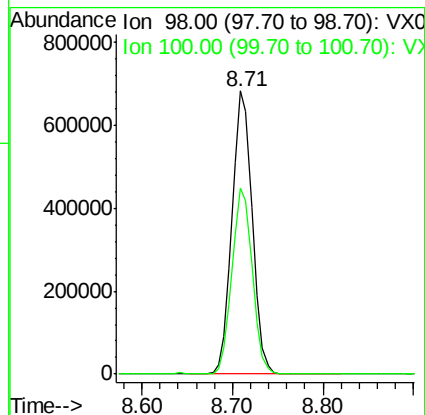
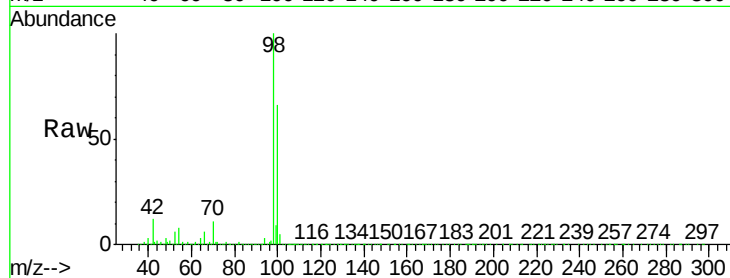
40330-40334

Tgt Ion: 98 Resp: 1054929

Ion Ratio Lower Upper

98 100

100 66.0 52.9 79.3



#51

4-Methyl-2-Pentanone

Concen: 2.962 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX014428.D

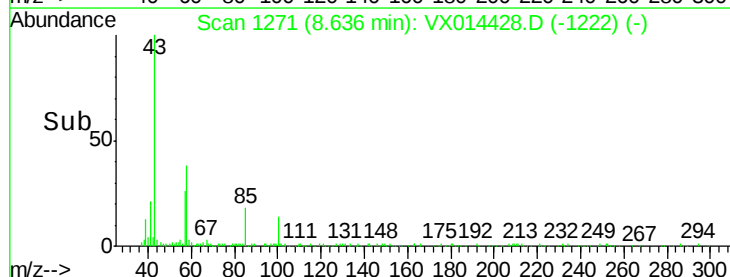
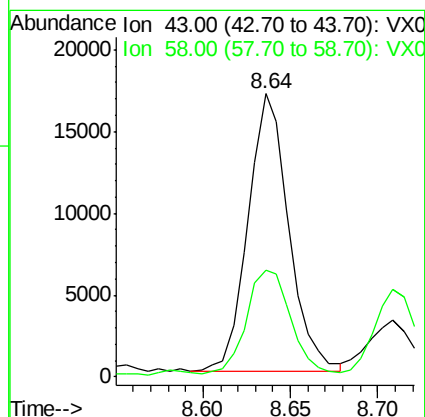
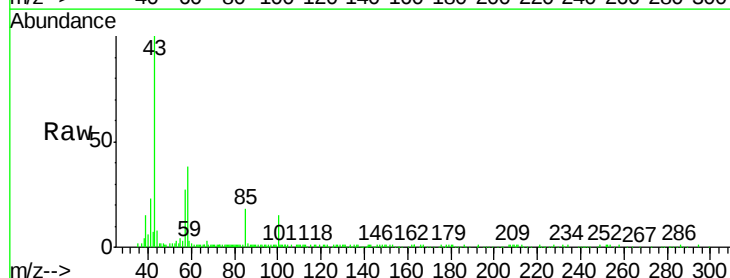
Acq: 06 Jan 2020 15:32

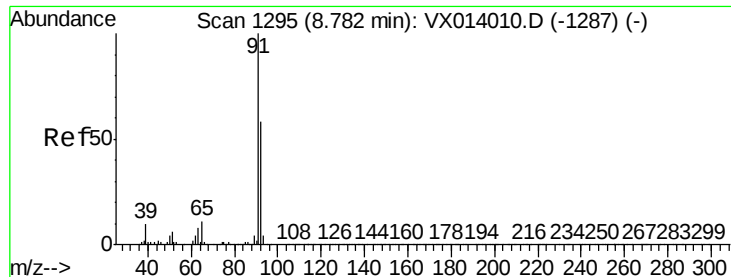
Tgt Ion: 43 Resp: 27615

Ion Ratio Lower Upper

43 100

58 39.9 32.2 48.2





#52

Toluene

Concen: 643.236 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX014428.D

Acq: 06 Jan 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

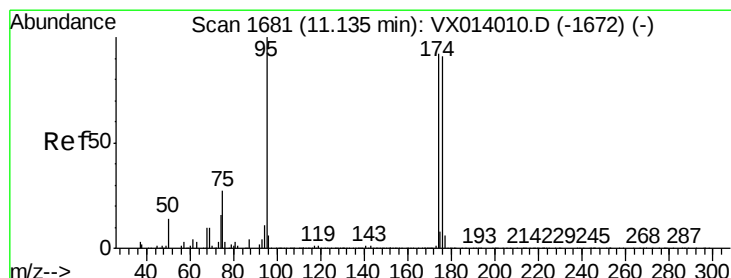
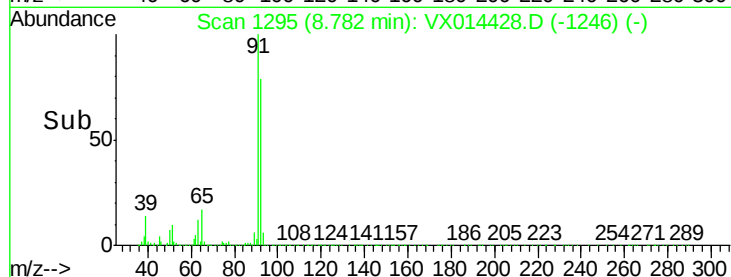
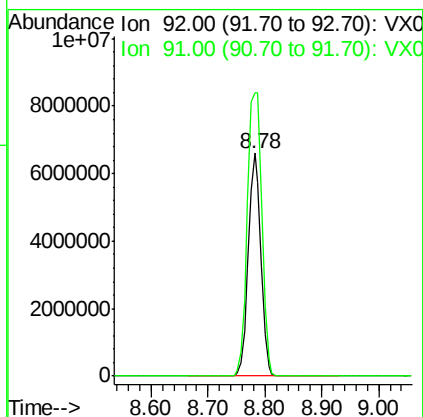
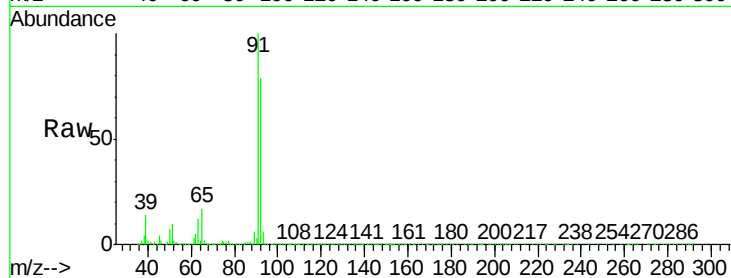
40330-40334

Tgt Ion: 92 Resp:10161032

Ion Ratio Lower Upper

92 100

91 148.5 136.2 204.4



#62

4-Bromofluorobenzene

Concen: 49.675 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014428.D

Acq: 06 Jan 2020 15:32

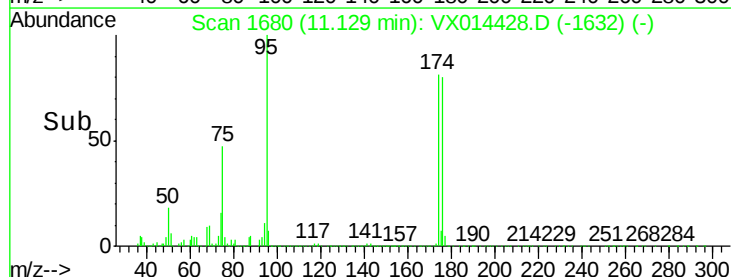
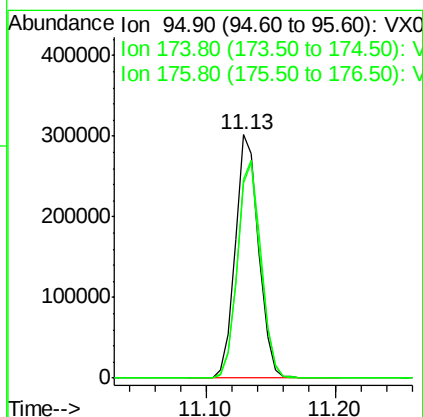
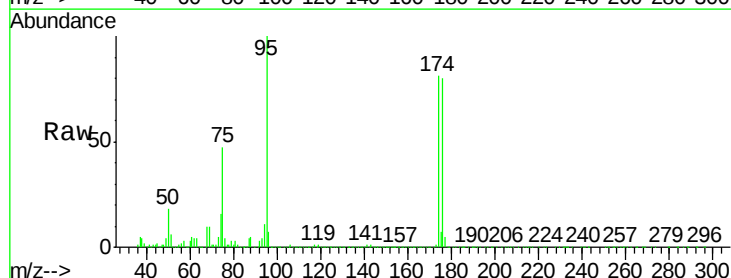
Tgt Ion: 95 Resp: 380429

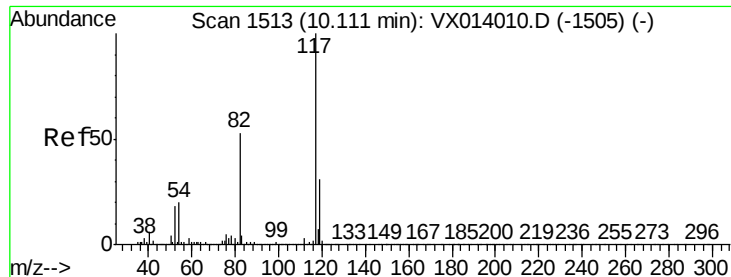
Ion Ratio Lower Upper

95 100

174 90.2 0.0 175.8

176 87.4 0.0 173.0

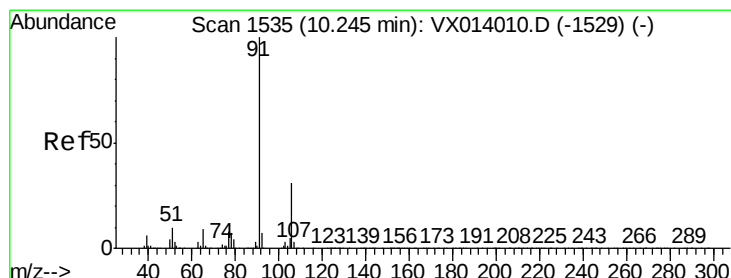
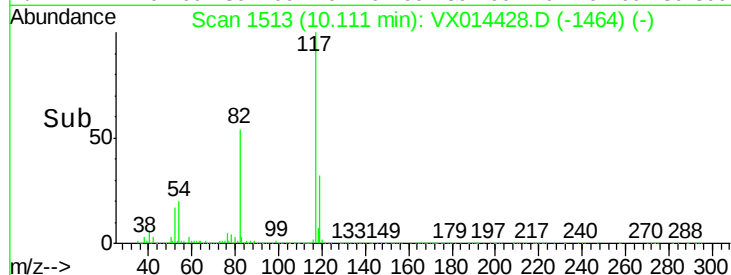
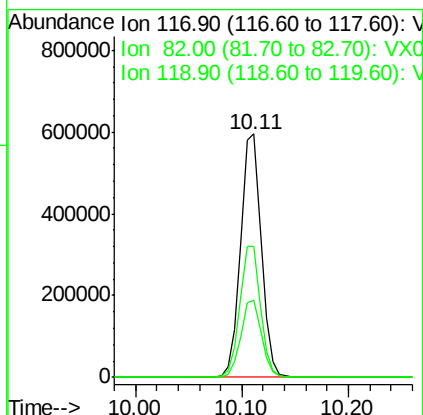
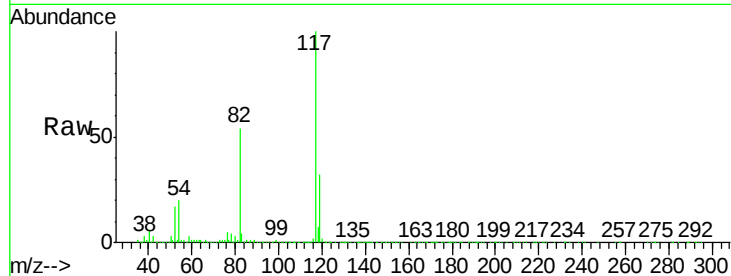




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014428.D
Acq: 06 Jan 2020 15:32

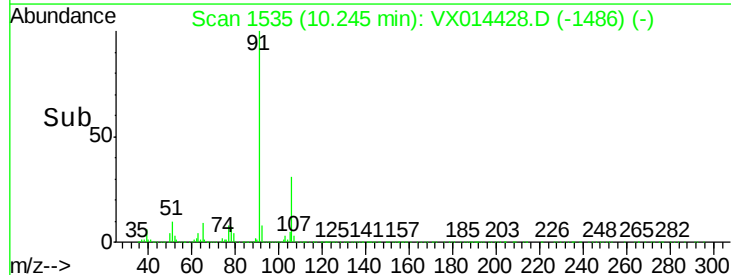
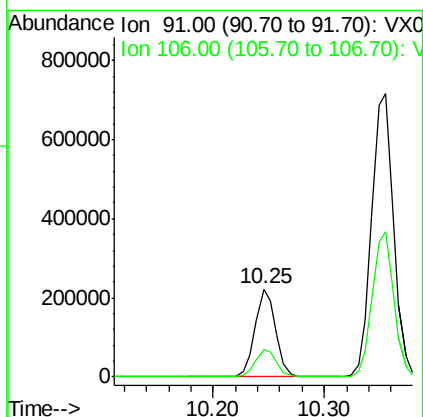
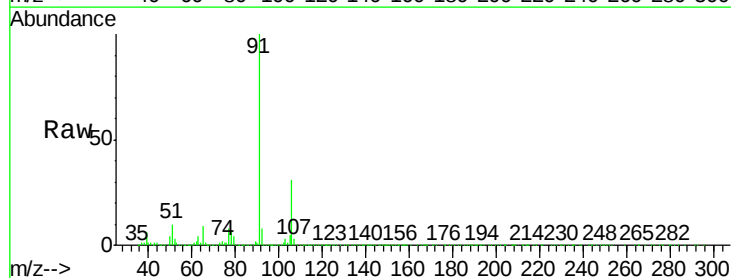
Instrument :
MSVOA_X
ClientSampleId :
40330-40334

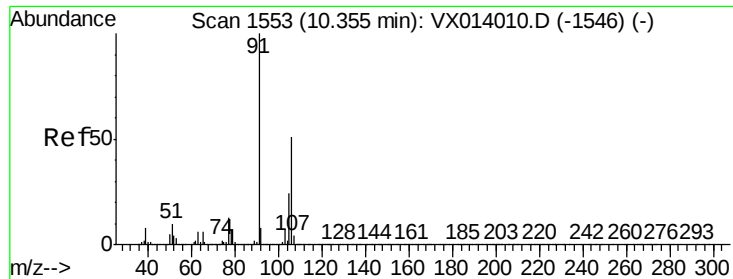
Tgt Ion: 117 Resp: 814916
Ion Ratio Lower Upper
117 100
82 53.7 42.2 63.4
119 31.8 25.1 37.7



#67
Ethyl Benzene
Concen: 9.606 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014428.D
Acq: 06 Jan 2020 15:32

Tgt Ion: 91 Resp: 286150
Ion Ratio Lower Upper
91 100
106 30.6 25.0 37.6





#68

m/p-Xylenes

Concen: 43.335 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014428.D

Acq: 06 Jan 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

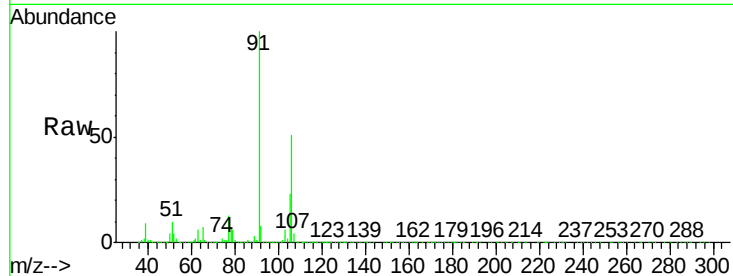
40330-40334

Tgt Ion:106 Resp: 496509

Ion Ratio Lower Upper

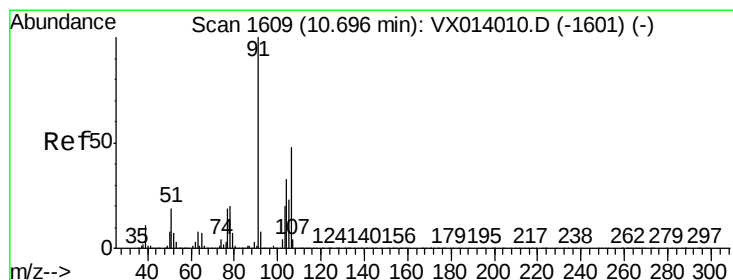
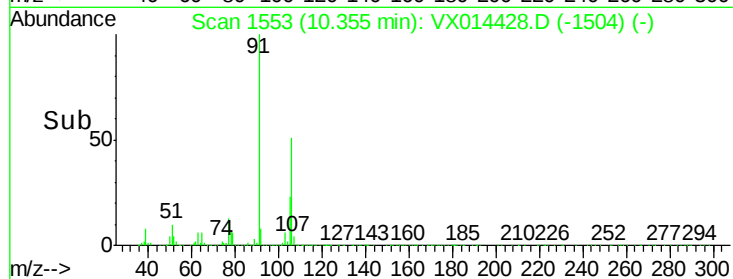
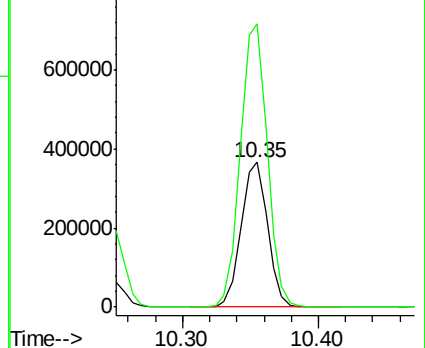
106 100

91 198.4 158.6 238.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 13.937 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX014428.D

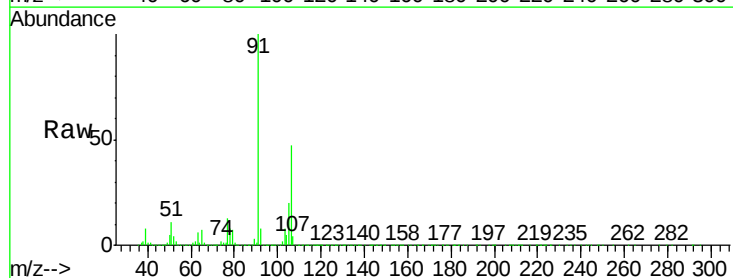
Acq: 06 Jan 2020 15:32

Tgt Ion:106 Resp: 156604

Ion Ratio Lower Upper

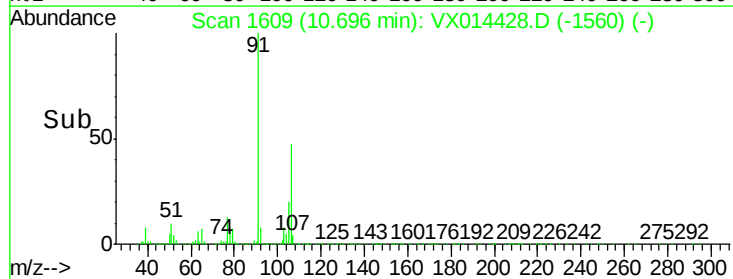
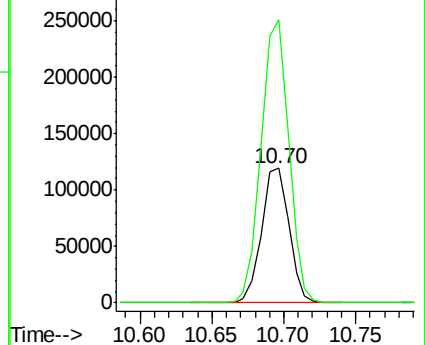
106 100

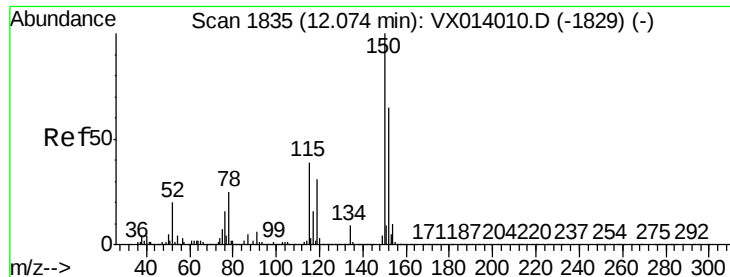
91 213.1 104.2 312.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014428.D

Acq: 06 Jan 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

40330-40334

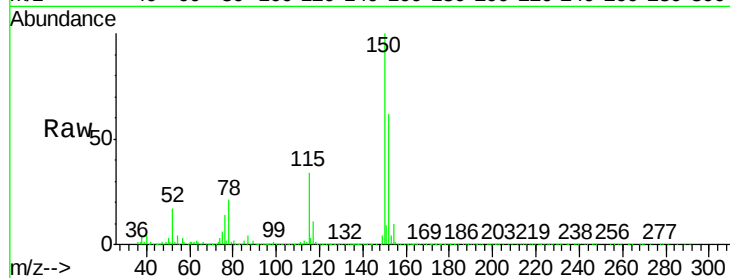
Tgt Ion:152 Resp: 401130

Ion Ratio Lower Upper

152 100

115 56.3 38.3 114.9

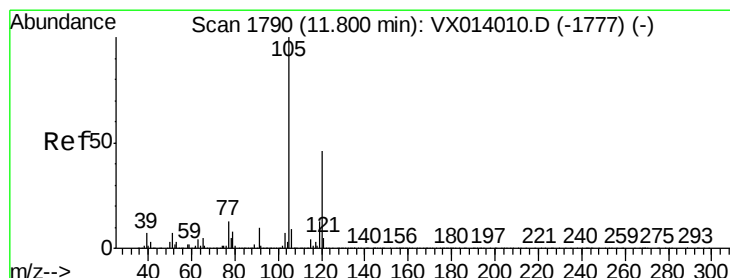
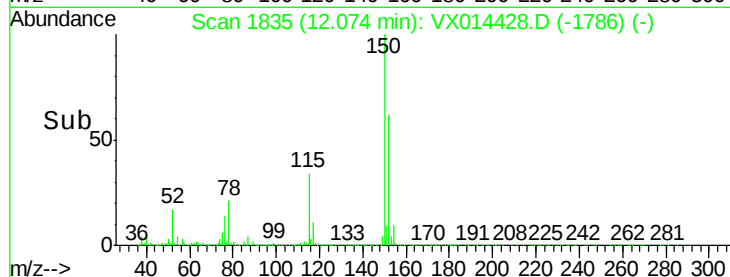
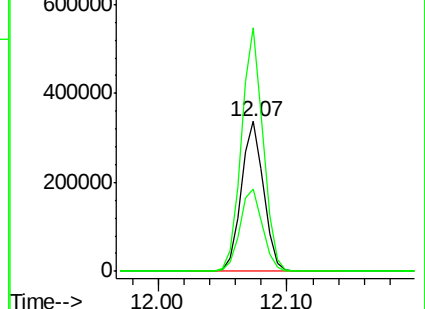
150 158.5 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#84

1,2,4-Trimethylbenzene

Concen: 0.772 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. 0.00 min

Lab File: VX014428.D

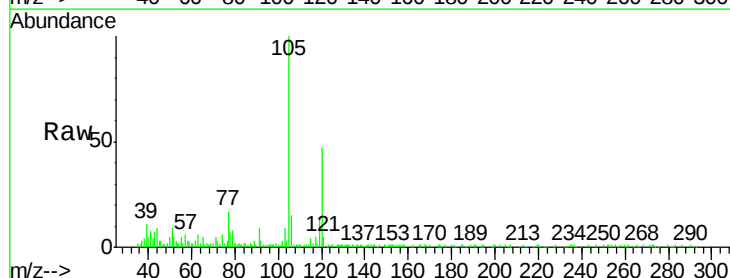
Acq: 06 Jan 2020 15:32

Tgt Ion:105 Resp: 18382

Ion Ratio Lower Upper

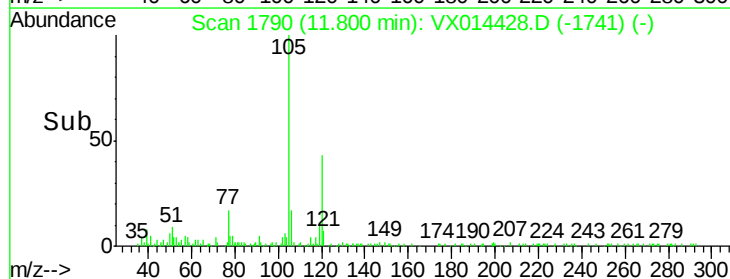
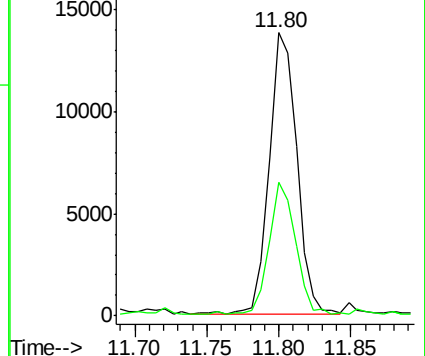
105 100

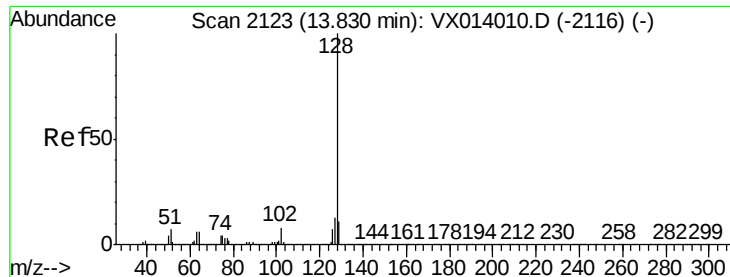
120 44.7 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 1.925 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014428.D

Acq: 06 Jan 2020 15:32

Instrument :

MSVOA_X

ClientSampleId :

40330-40334

Tgt Ion:128 Resp: 50392

Ion Ratio Lower Upper

128 100

127 13.7 10.2 15.4

129 17.2 8.7 13.1#

