

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012820\
 Data File : VX014753.D
 Acq On : 28 Jan 2020 16:16
 Operator : JC/SP
 Sample : L1267-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40328

Quant Time: Jan 29 00:30:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	436839	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	691033	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	626928	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	303635	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	258699	50.71	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.42%	
35) Dibromofluoromethane	5.49	113	213706	49.01	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.02%	
50) Toluene-d8	8.71	98	818672	48.84	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.68%	
62) 4-Bromofluorobenzene	11.13	95	283620	47.50	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	95.00%	

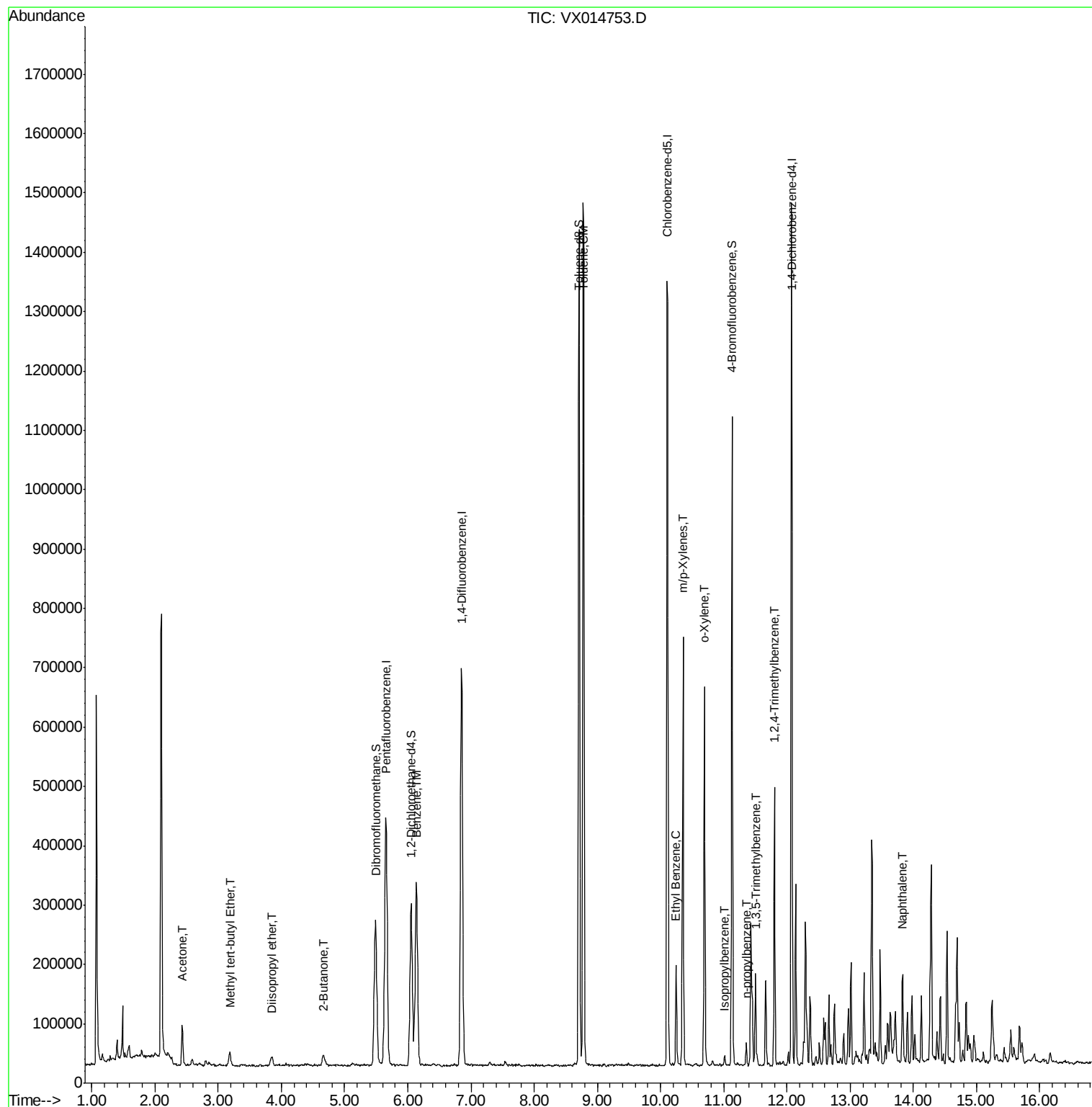
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.43	43	71498	25.708	ug/l	96
19) Methyl tert-butyl Ether	3.19	73	25999	1.828	ug/l	97
22) Diisopropyl ether	3.84	45	20313	1.308	ug/l #	81
25) 2-Butanone	4.67	43	27141	6.776	ug/l	94
40) Benzene	6.14	78	377498	19.027	ug/l	99
52) Toluene	8.78	92	550188	45.114	ug/l	99
67) Ethyl Benzene	10.25	91	96950	4.234	ug/l	100
68) m/p-Xylenes	10.35	106	170772	19.687	ug/l	99
69) o-Xylene	10.70	106	145578	17.384	ug/l	100
73) Isopropylbenzene	11.01	105	9186	0.430	ug/l	97
78) n-propylbenzene	11.35	91	23264	0.960	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	68331	3.856	ug/l	98
84) 1,2,4-Trimethylbenzene	11.80	105	203511	11.450	ug/l	100
95) Naphthalene	13.83	128	98374	5.467	ug/l	99

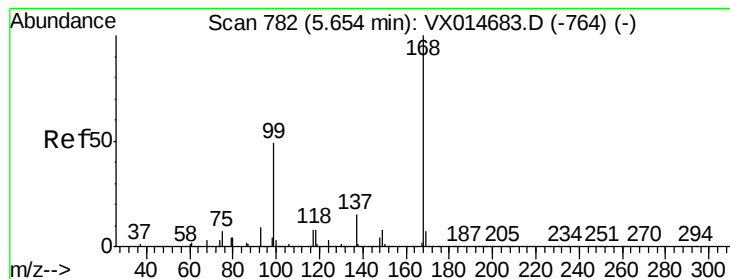
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014753.D

Acq: 28 Jan 2020 16:16

Instrument :

MSVOA_X

ClientSampleId :

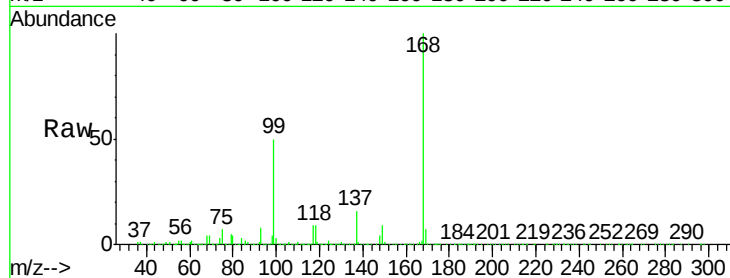
40328

Tot Ion:168 Resp: 436839

Ion Ratio Lower Upper

168 100

99 50.4 39.8 59.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

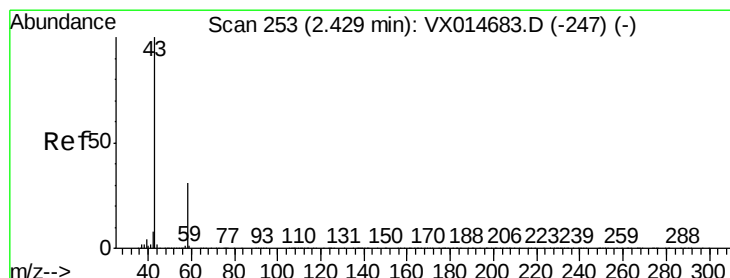
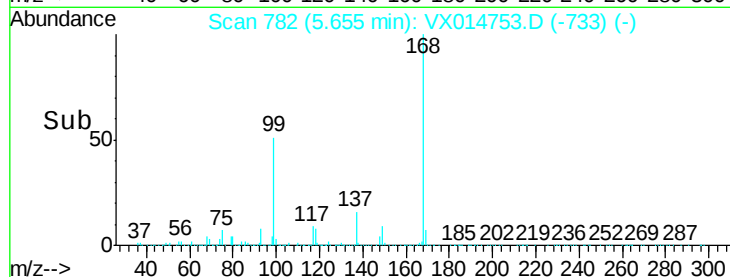
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 25.708 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014753.D

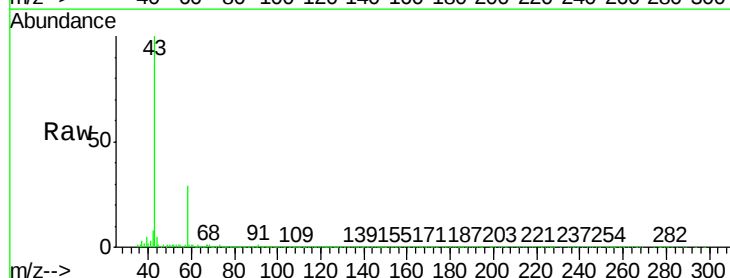
Acq: 28 Jan 2020 16:16

Tgt Ion: 43 Resp: 71498

Ion Ratio Lower Upper

43 100

58 28.5 24.5 36.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.43

50000

40000

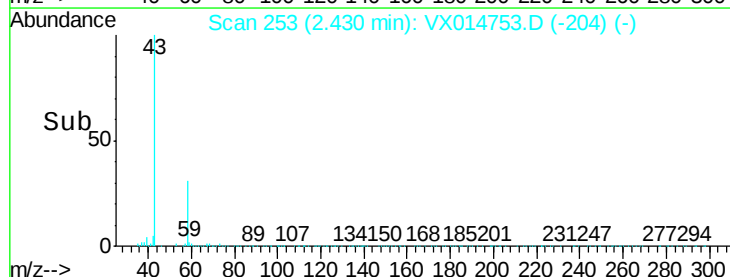
30000

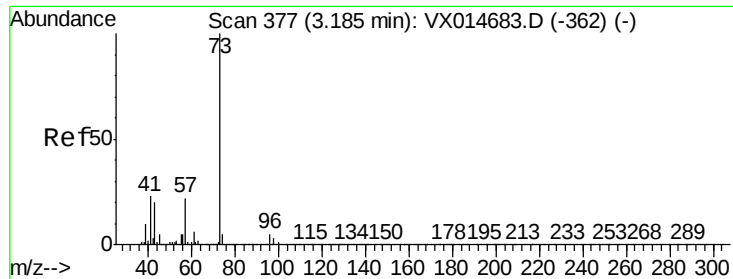
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10000

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Time-->

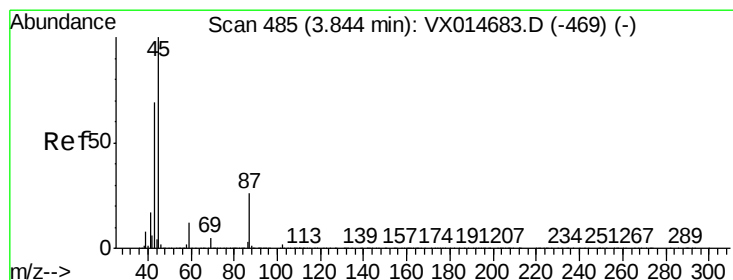
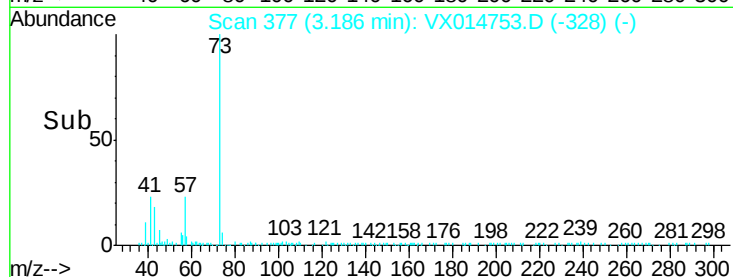
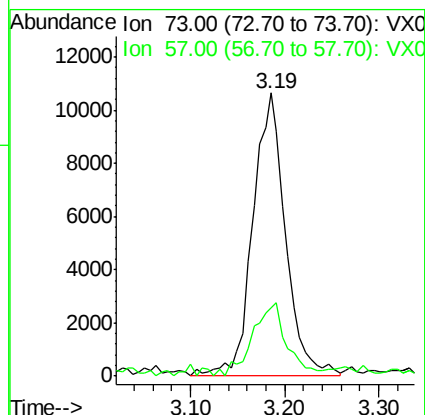
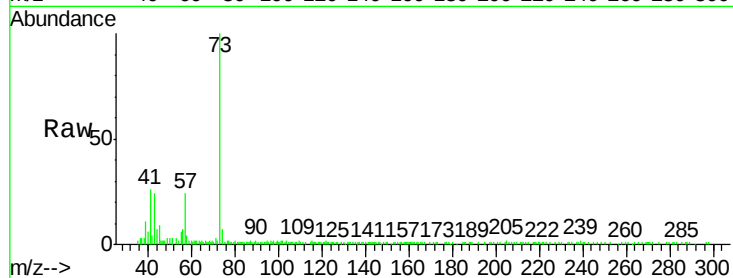




#19
Methyl tert-butyl Ether
Concen: 1.828 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX014753.D
Acq: 28 Jan 2020 16:16

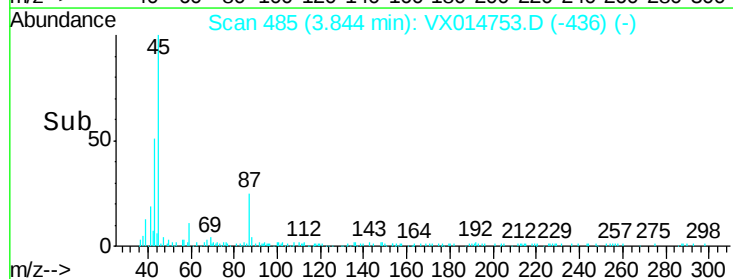
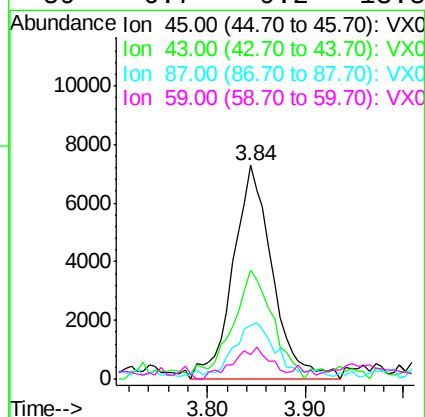
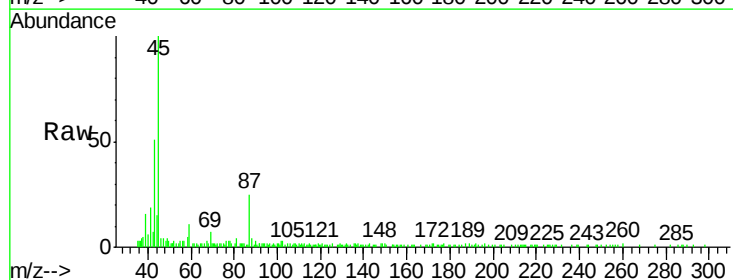
Instrument :
MSVOA_X
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40328

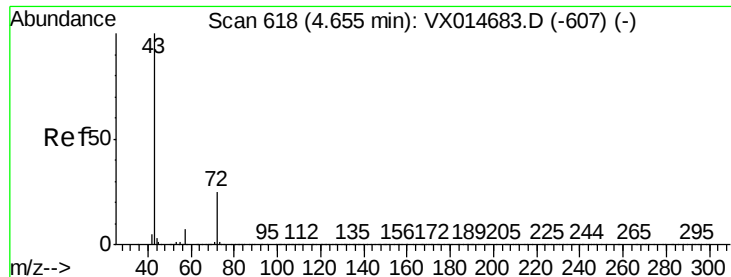
Tot Ion: 73 Resp: 25999
Ion Ratio Lower Upper
73 100
57 20.9 18.0 27.0



#22
Diisopropyl ether
Concen: 1.308 ug/l
RT: 3.84 min Scan# 485
Delta R.T. 0.00 min
Lab File: VX014753.D
Acq: 28 Jan 2020 16:16

Tgt Ion: 45 Resp: 20313
Ion Ratio Lower Upper
45 100
43 48.1 55.1 82.7#
87 23.0 20.7 31.1
59 6.7 9.2 13.8#





#25

2-Butanone

Concen: 6.776 ug/l

RT: 4.67 min Scan# 620

Delta R.T. 0.01 min

Lab File: VX014753.D

Acq: 28 Jan 2020 16:16

Instrument :

MSVOA_X

ClientSampleId :

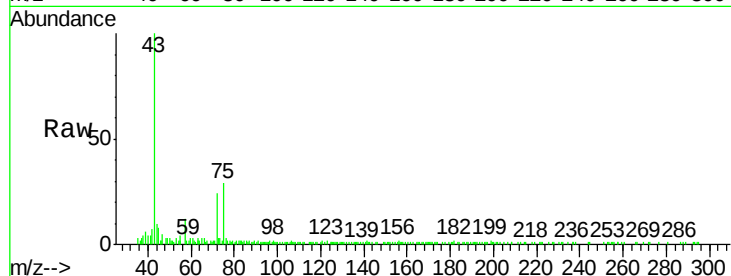
40328

Tot Ion: 43 Resp: 27141

Ion Ratio Lower Upper

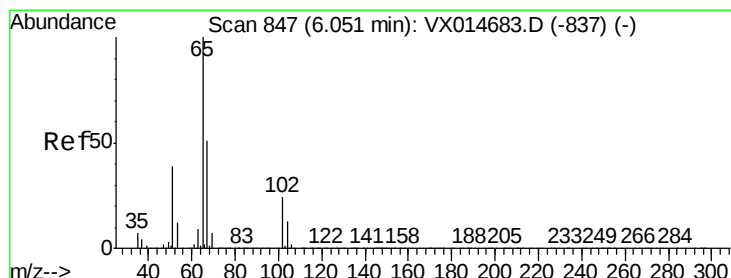
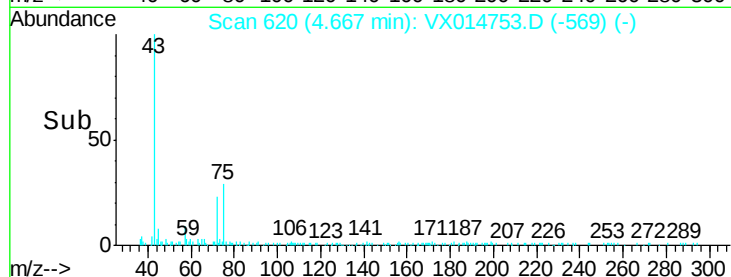
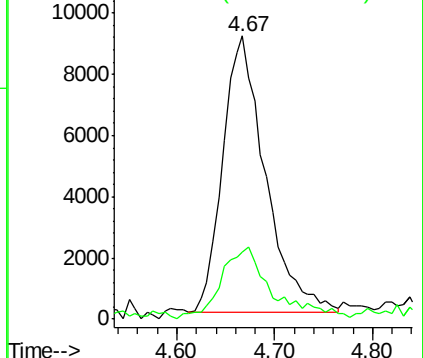
43 100

72 22.1 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.713 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014753.D

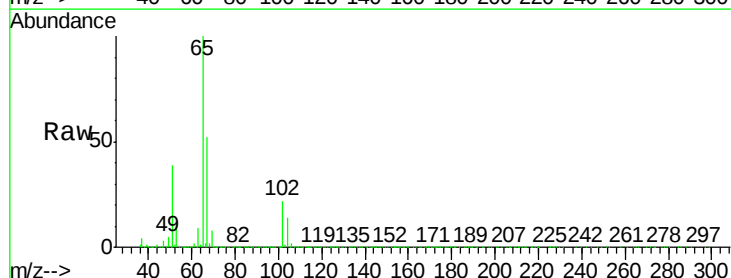
Acq: 28 Jan 2020 16:16

Tgt Ion: 65 Resp: 258699

Ion Ratio Lower Upper

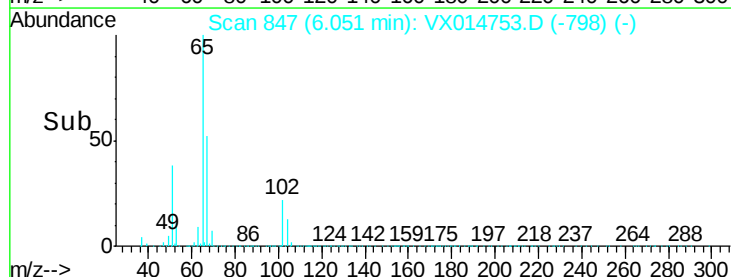
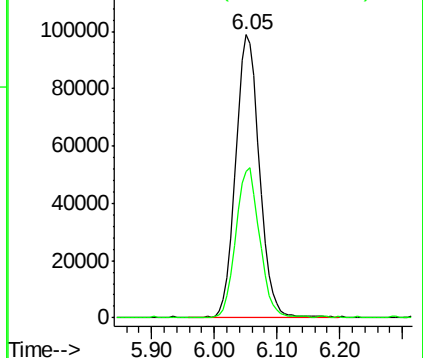
65 100

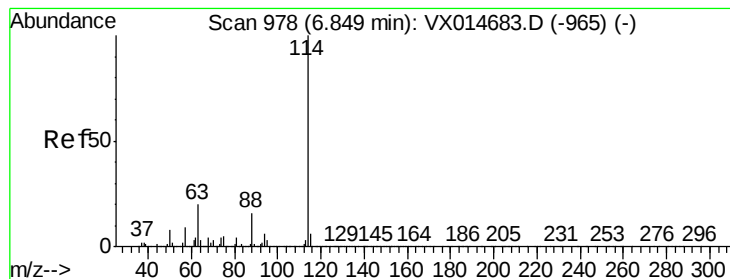
67 52.6 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014753.D

Acq: 28 Jan 2020 16:16

Instrument :

MSVOA_X

ClientSampleId :

40328

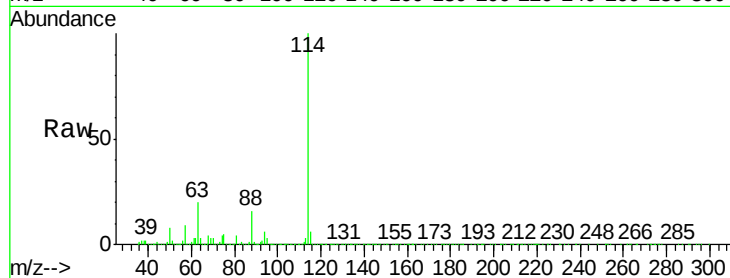
Tot Ion:114 Resp: 691033

Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.6

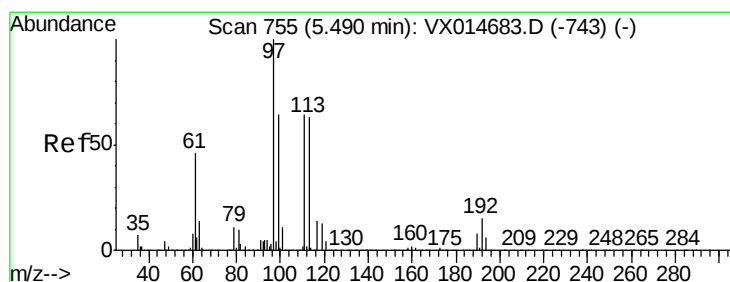
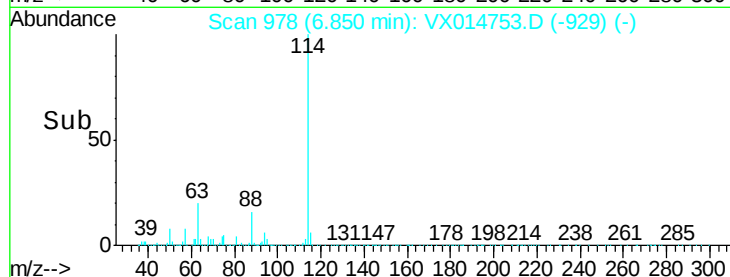
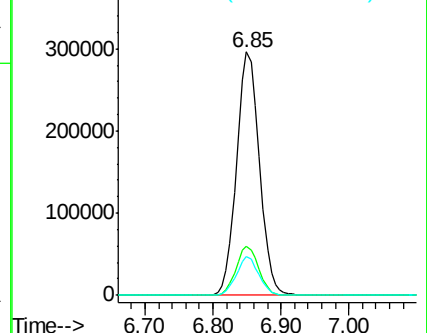
88 15.7 0.0 31.2



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: 49.011 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014753.D

Acq: 28 Jan 2020 16:16

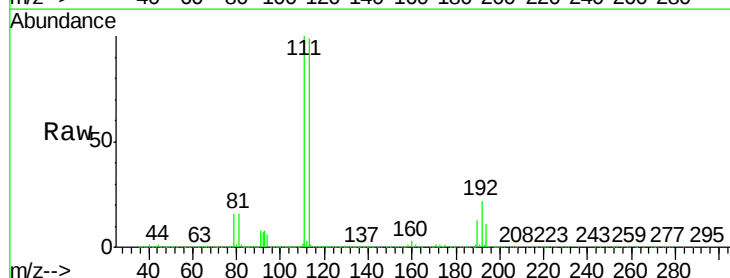
Tgt Ion:113 Resp: 213706

Ion Ratio Lower Upper

113 100

111 102.2 80.7 121.1

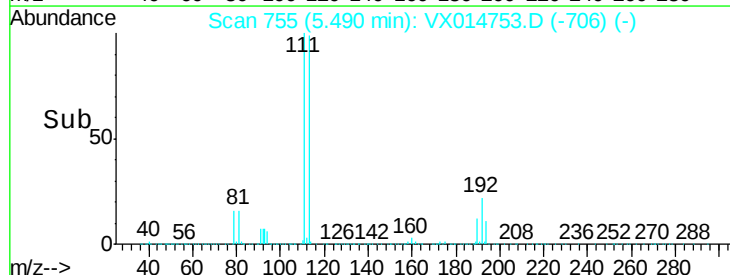
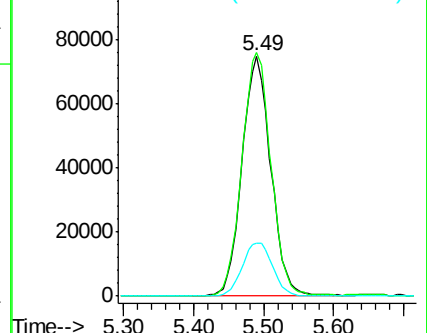
192 23.5 18.5 27.7

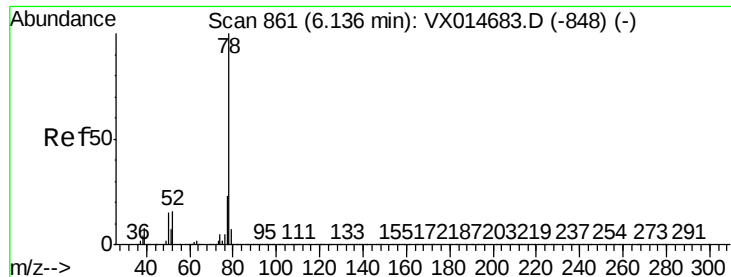


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 19.027 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.00 min

Lab File: VX014753.D

Acq: 28 Jan 2020 16:16

Instrument :

MSVOA_X

ClientSampleId :

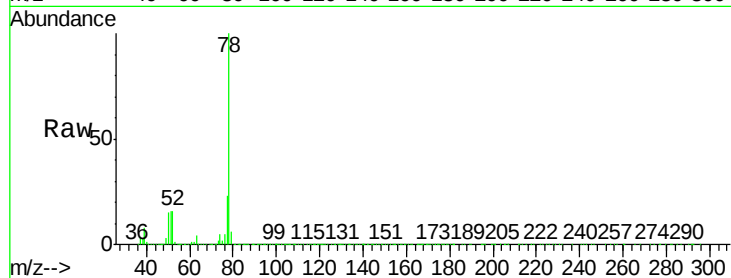
40328

Tot Ion: 78 Resp: 377498

Ion Ratio Lower Upper

78 100

77 22.9 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.14

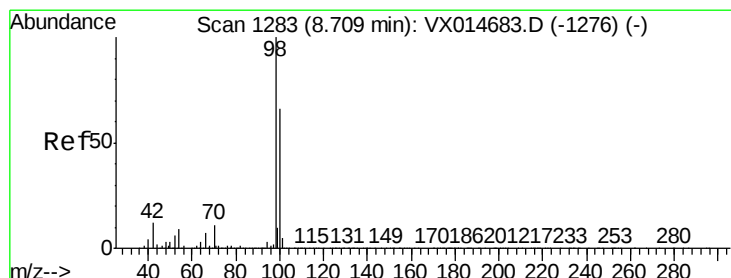
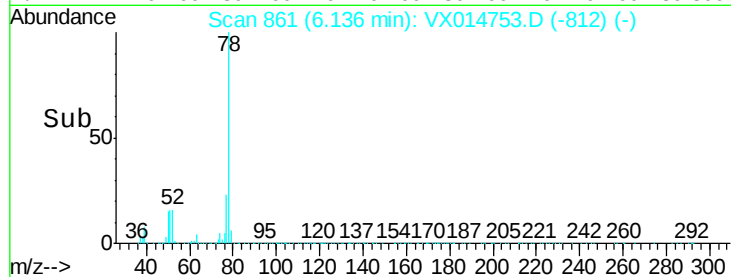
150000

100000

50000

0

Time-->



#50

Toluene-d8

Concen: 48.838 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014753.D

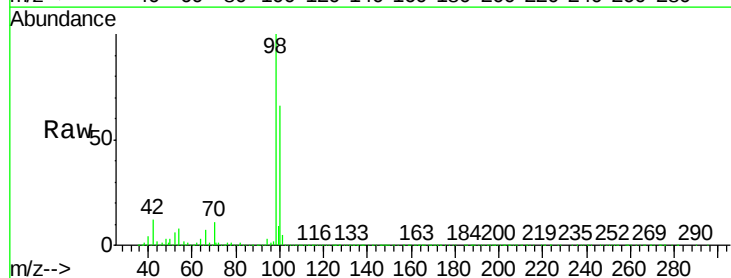
Acq: 28 Jan 2020 16:16

Tgt Ion: 98 Resp: 818672

Ion Ratio Lower Upper

98 100

100 65.9 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

600000

500000

400000

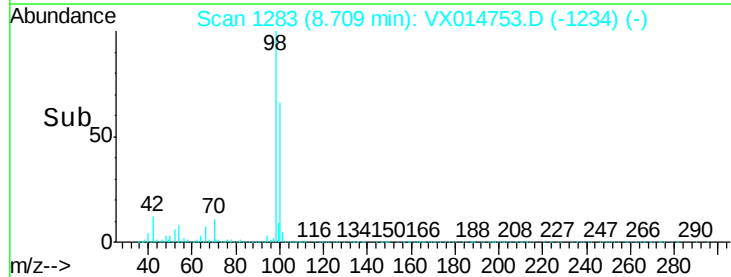
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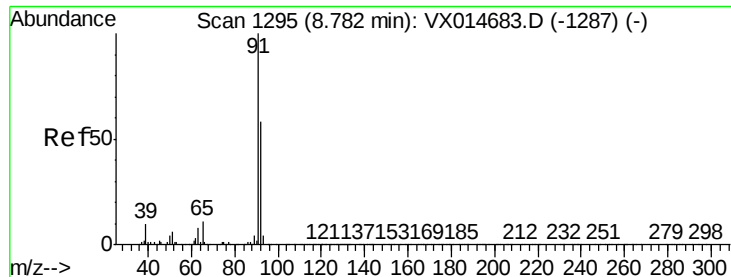
200000

100000

0

Time-->





#52

Toluene

Concen: 45.114 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014753.D

Acq: 28 Jan 2020 16:16

Instrument :

MSVOA_X

ClientSampleId :

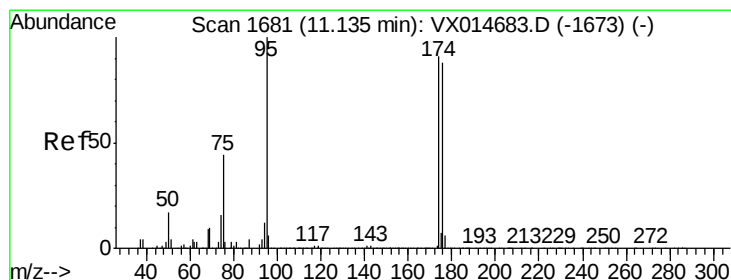
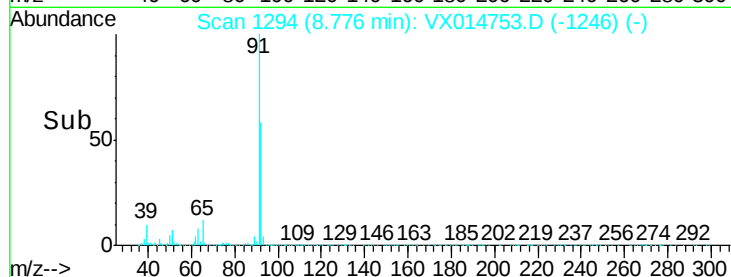
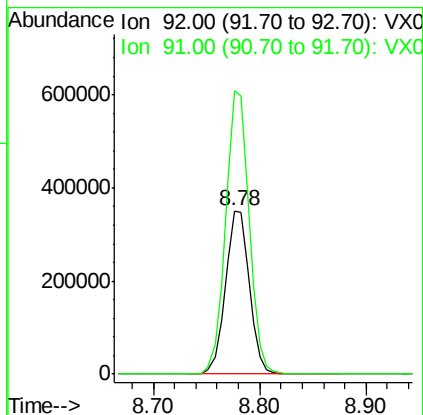
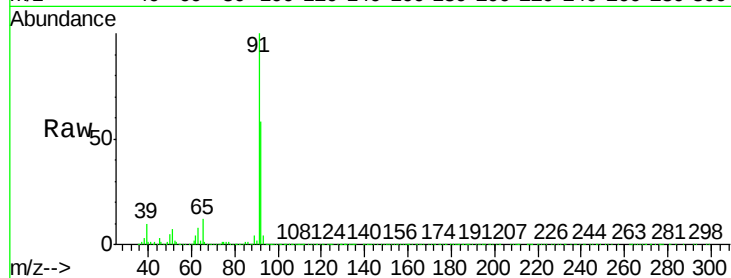
40328

Tot Ion: 92 Resp: 550188

Ion Ratio Lower Upper

92 100

91 171.4 135.9 203.9



#62

4-Bromofluorobenzene

Concen: 47.497 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014753.D

Acq: 28 Jan 2020 16:16

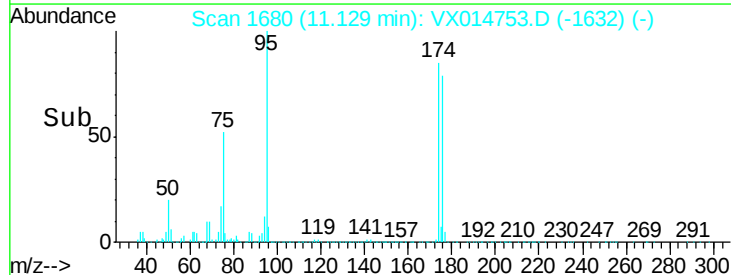
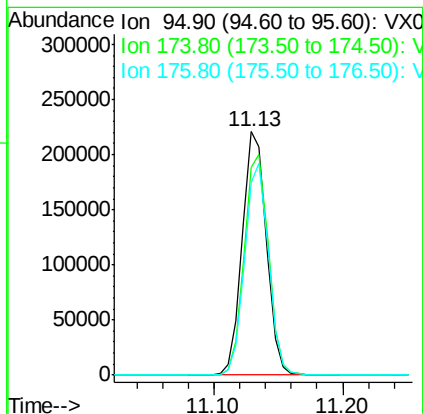
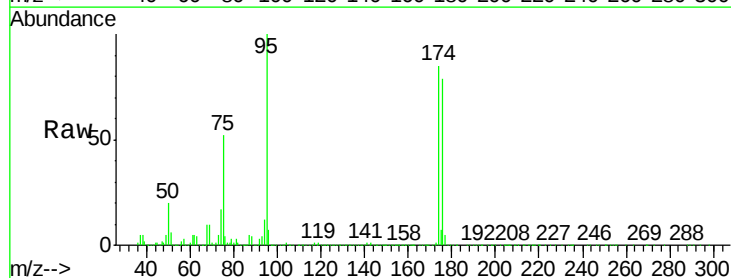
Tgt Ion: 95 Resp: 283620

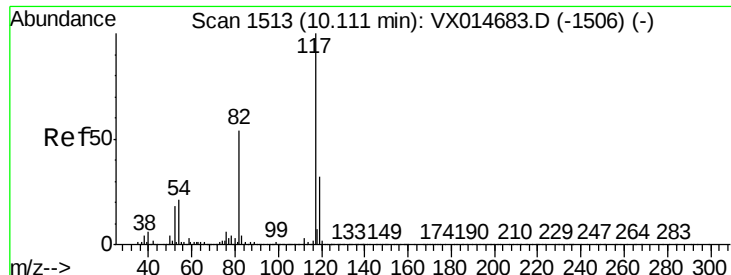
Ion Ratio Lower Upper

95 100

174 91.3 0.0 176.0

176 85.7 0.0 172.2

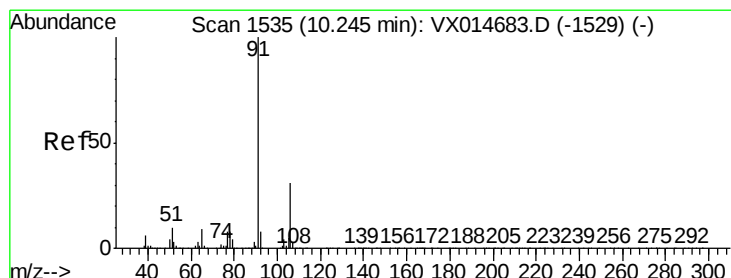
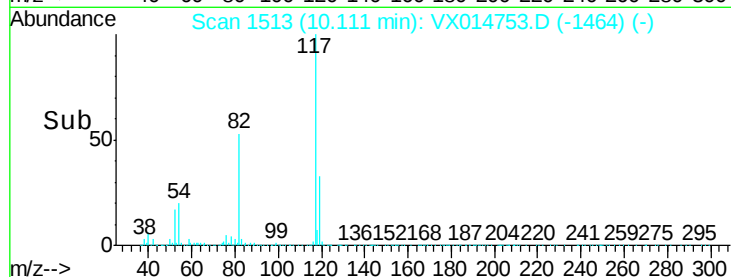
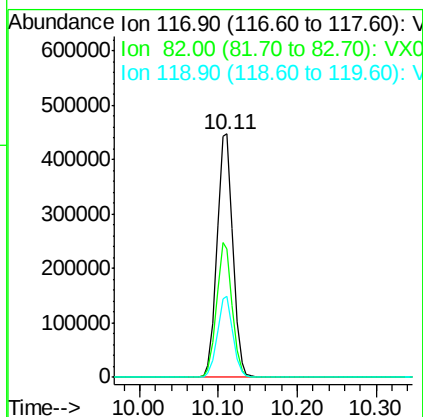
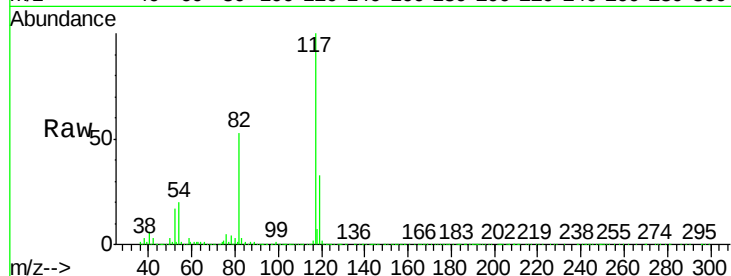




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014753.D
Acq: 28 Jan 2020 16:16

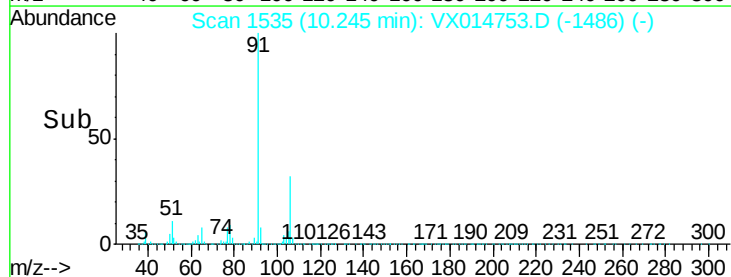
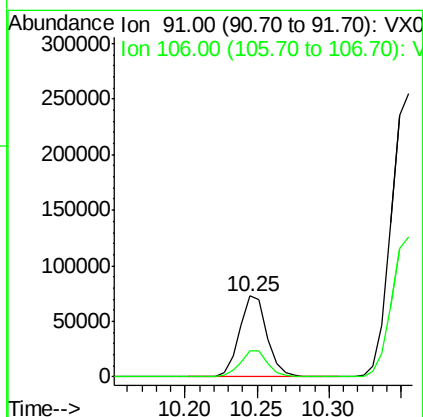
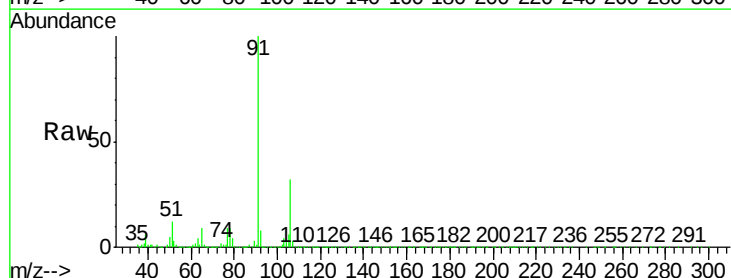
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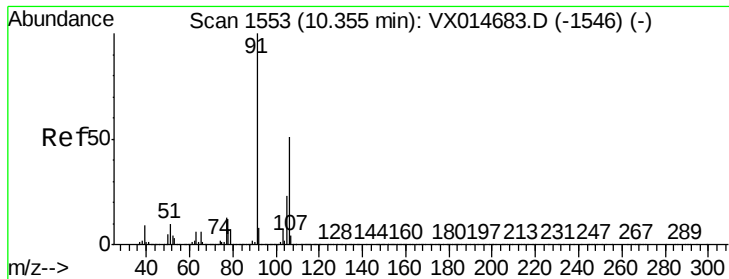
Tot Ion:117 Resp: 626928
Ion Ratio Lower Upper
117 100
82 52.5 43.2 64.8
119 33.2 25.8 38.6



#67
Ethyl Benzene
Concen: 4.234 ug/l
RT: 10.25 min Scan# 1535
Delta R.T. 0.00 min
Lab File: VX014753.D
Acq: 28 Jan 2020 16:16

Tgt Ion: 91 Resp: 96950
Ion Ratio Lower Upper
91 100
106 31.3 24.9 37.3

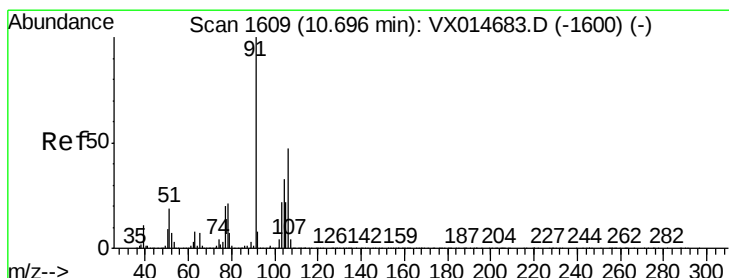
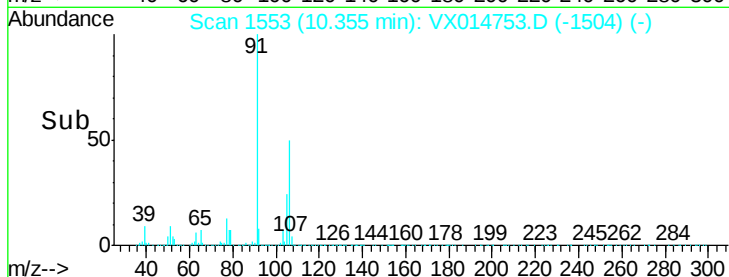
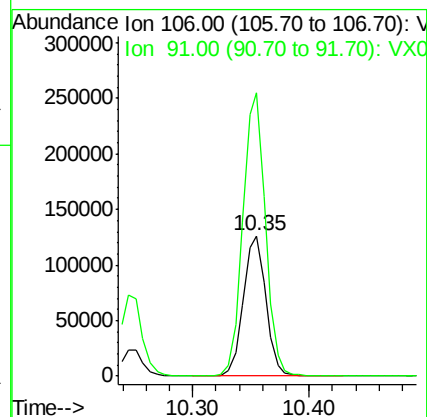
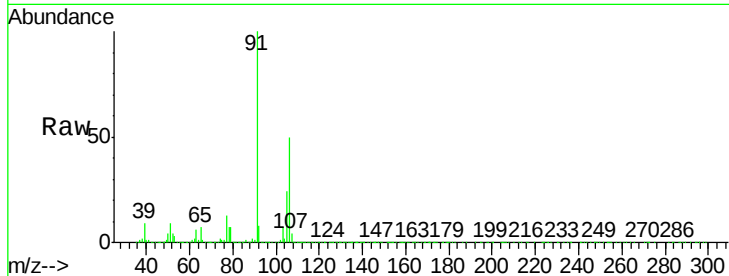




#68
m/p-Xylenes
Concen: 19.687 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014753.D
Acq: 28 Jan 2020 16:16

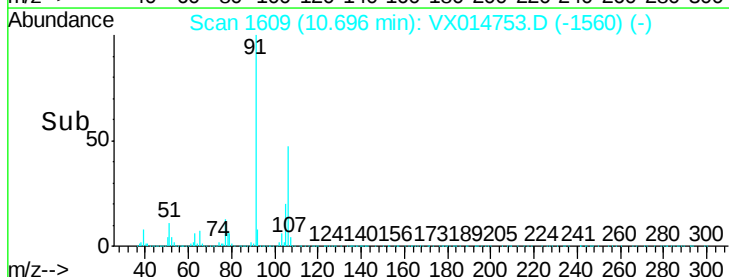
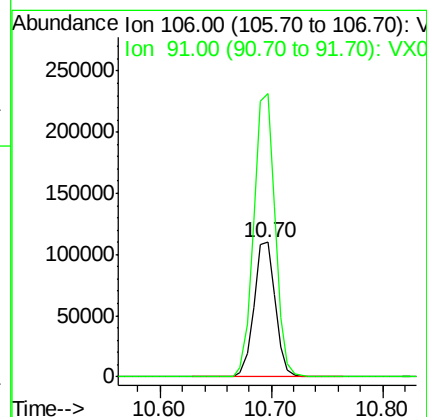
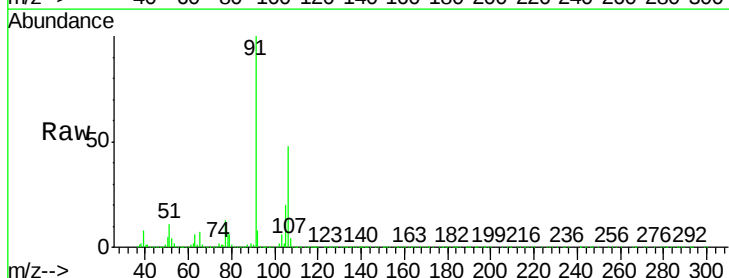
Instrument :
MSVOA_X
ClientSampleId :
40328

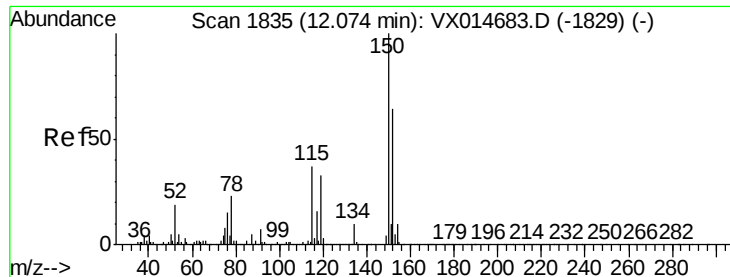
Tot Ion:106 Resp: 170772
Ion Ratio Lower Upper
106 100
91 201.5 159.4 239.2



#69
o-Xylene
Concen: 17.384 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014753.D
Acq: 28 Jan 2020 16:16

Tgt Ion:106 Resp: 145578
Ion Ratio Lower Upper
106 100
91 211.6 106.2 318.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014753.D

Acq: 28 Jan 2020 16:16

Instrument :

MSVOA_X

ClientSampleId :

40328

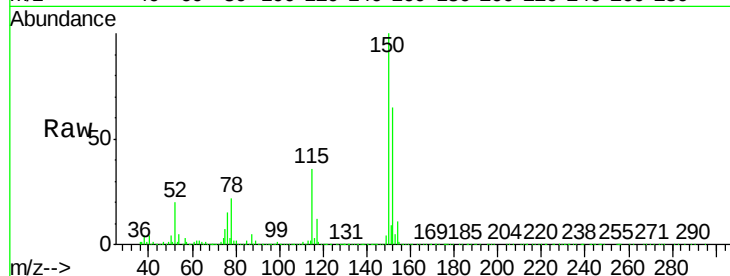
Tot Ion:152 Resp: 303635

Ion Ratio Lower Upper

152 100

115 54.9 39.4 118.1

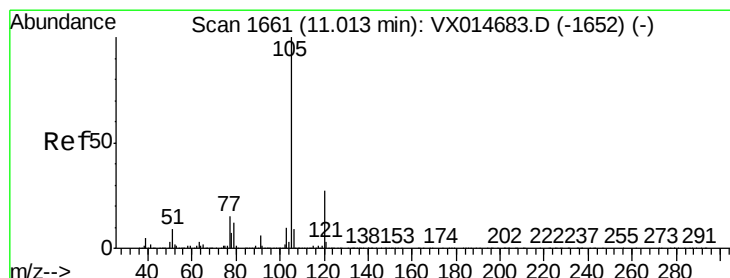
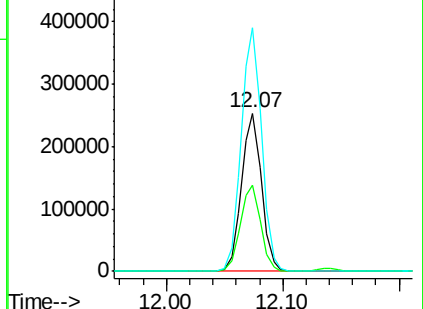
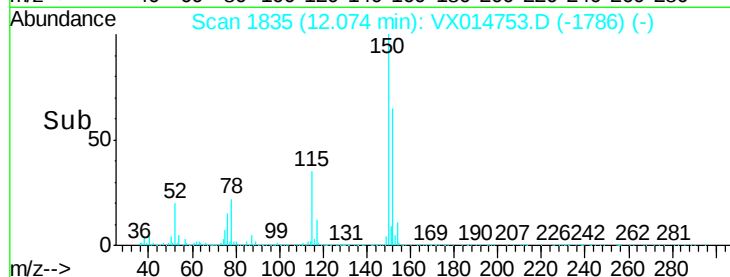
150 157.0 0.0 351.2



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



#73

Isopropylbenzene

Concen: 0.430 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014753.D

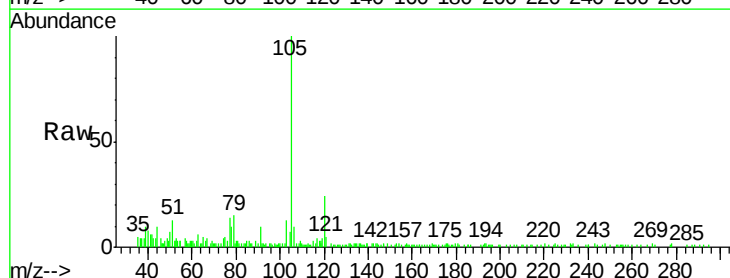
Acq: 28 Jan 2020 16:16

Tgt Ion:105 Resp: 9186

Ion Ratio Lower Upper

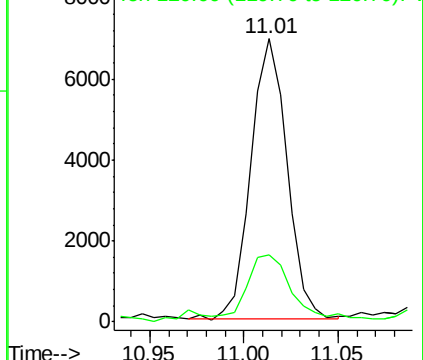
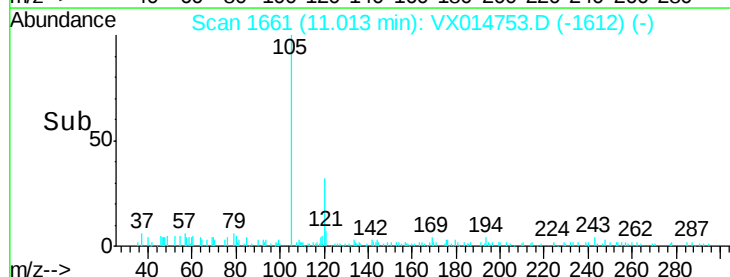
105 100

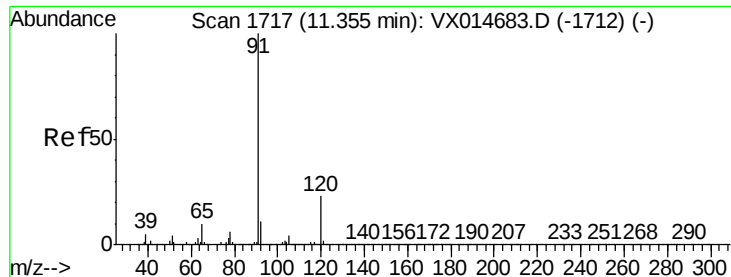
120 28.6 13.5 40.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.960 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014753.D

Acq: 28 Jan 2020 16:16

Instrument :

MSVOA_X

ClientSampleId :

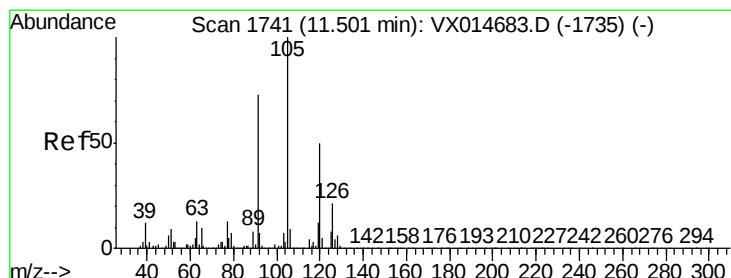
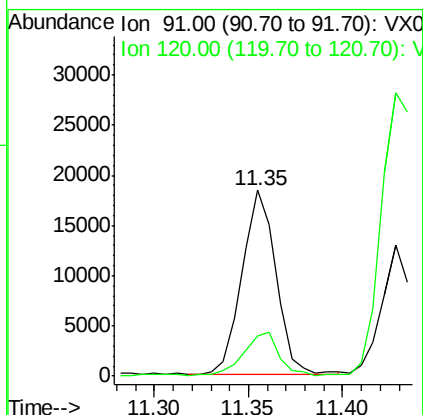
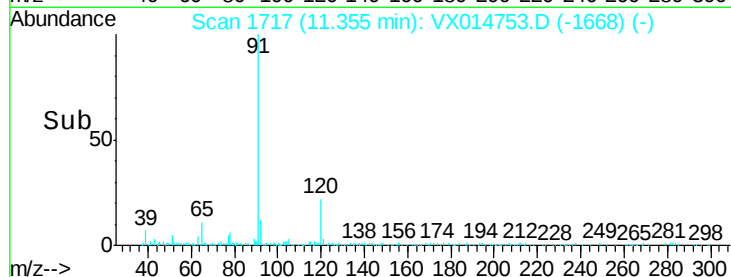
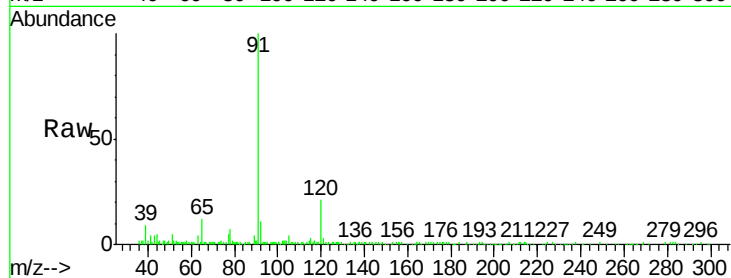
40328

Tot Ion: 91 Resp: 23264

Ion Ratio Lower Upper

91 100

120 23.4 11.7 35.0



#80

1,3,5-Trimethylbenzene

Concen: 3.856 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014753.D

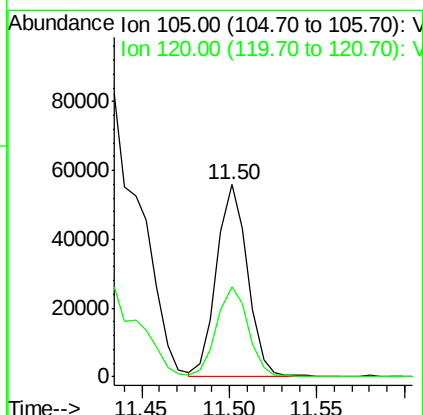
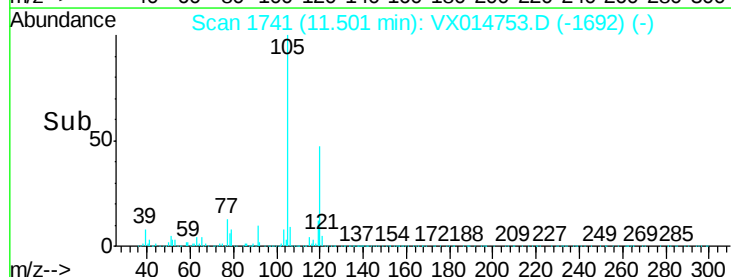
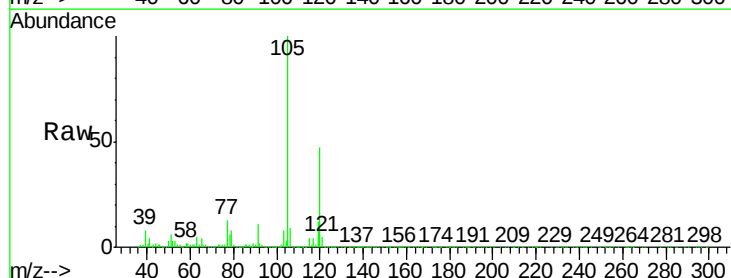
Acq: 28 Jan 2020 16:16

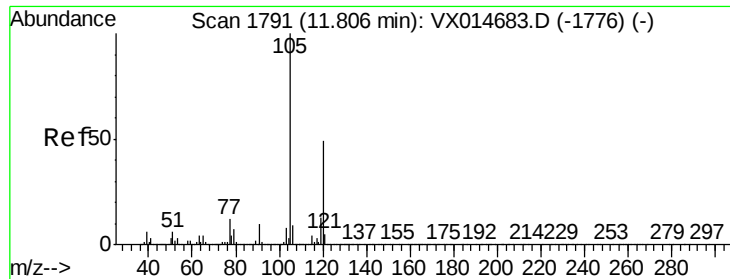
Tgt Ion: 105 Resp: 68331

Ion Ratio Lower Upper

105 100

120 48.1 24.9 74.6

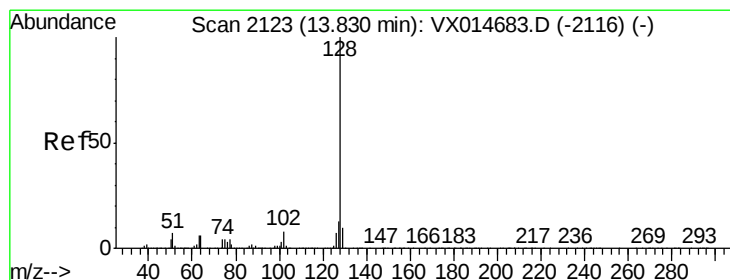
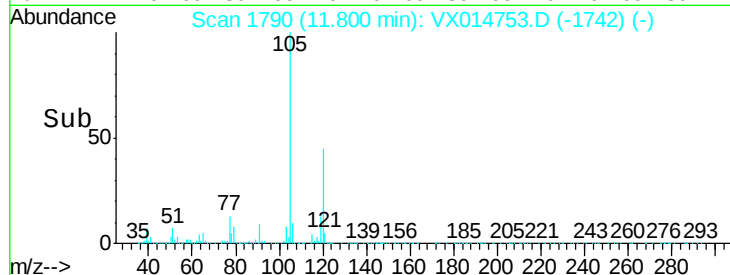
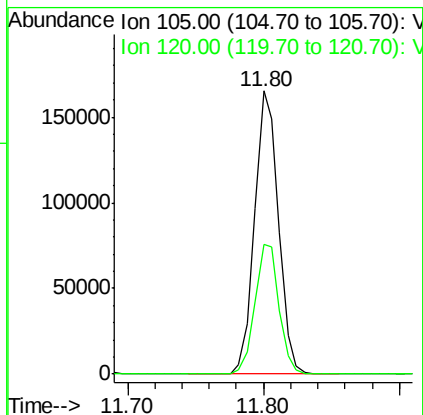
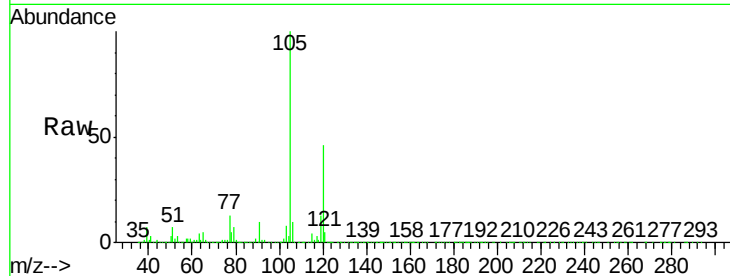




#84
 1,2,4-Trimethylbenzene
 Concen: 11.450 ug/l
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.01 min
 Lab File: VX014753.D
 Acq: 28 Jan 2020 16:16

Instrument :
 MSVOA_X
 ClientSampleId :
 40328

Tot Ion:105 Resp: 203511
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.4 70.0



#95
 Naphthalene
 Concen: 5.467 ug/l
 RT: 13.83 min Scan# 2123
 Delta R.T. 0.00 min
 Lab File: VX014753.D
 Acq: 28 Jan 2020 16:16

Tgt Ion:128 Resp: 98374
 Ion Ratio Lower Upper
 128 100
 127 13.2 10.3 15.5
 129 11.2 8.6 12.8

