

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX012720\
 Data File : VX014725.D
 Acq On : 27 Jan 2020 14:44
 Operator : JC/SP
 Sample : L1236-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-1

Quant Time: Jan 28 05:14:41 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	469568	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	743415	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	685791	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	326312	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	271432	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	
35) Dibromofluoromethane	5.49	113	222396	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	
50) Toluene-d8	8.71	98	891043	49.41	ug/l	0.00
Spiked Amount			Recovery	=	98.82%	
62) 4-Bromofluorobenzene	11.13	95	318018	49.50	ug/l	0.00
Spiked Amount			Recovery	=	99.00%	

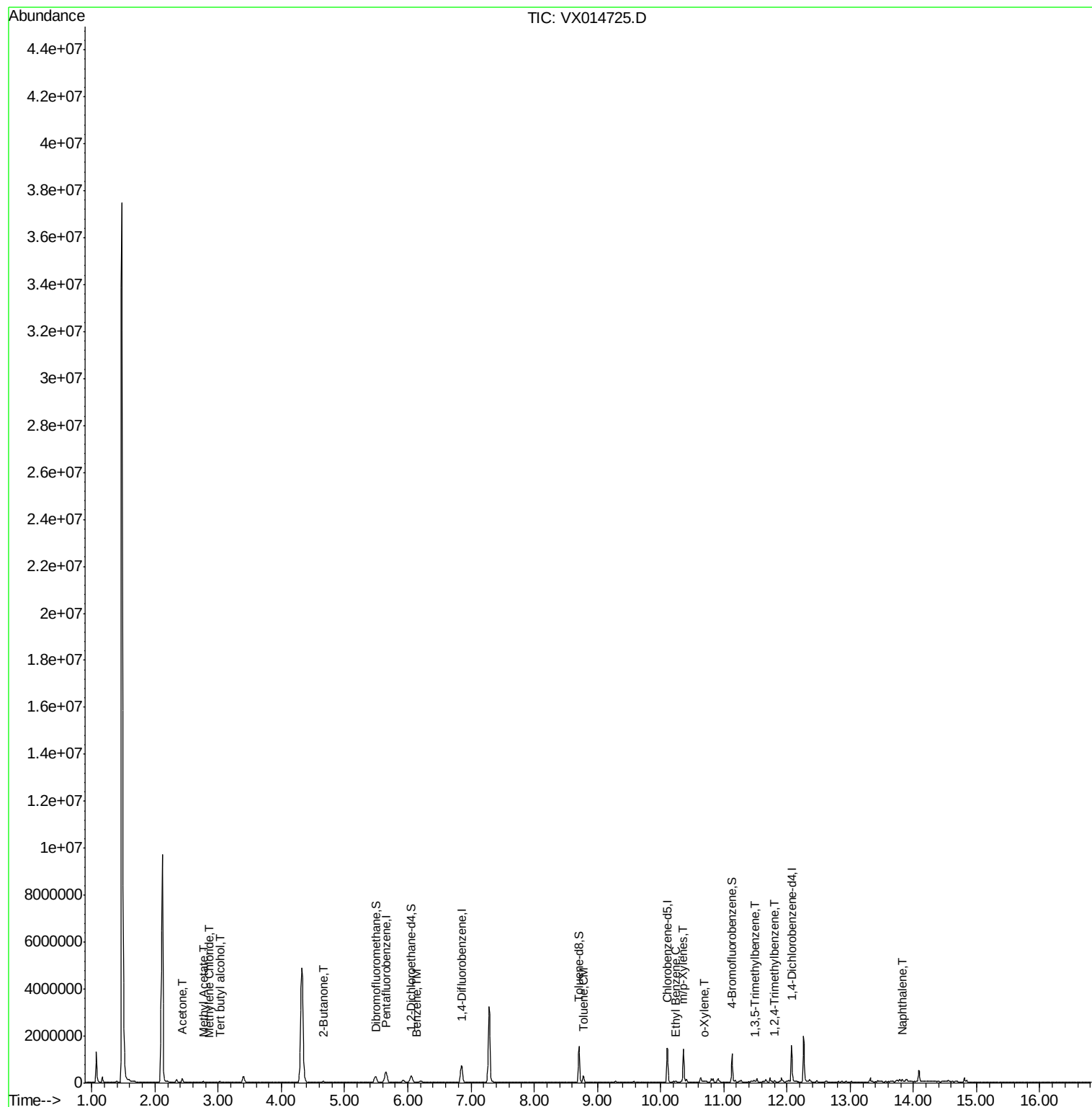
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.02	59	40834	33.169	ug/l	100
16) Acetone	2.43	43	169594	56.548	ug/l	99
18) Methyl Acetate	2.76	43	47851	5.578	ug/l	100
20) Methylene Chloride	2.85	84	9327	1.677	ug/l	92
25) 2-Butanone	4.67	43	58758	13.646	ug/l	100
40) Benzene	6.14	78	30750	1.441	ug/l	97
52) Toluene	8.78	92	100169	7.635	ug/l	97
67) Ethyl Benzene	10.25	91	9097	0.363	ug/l	95
68) m/p-Xylenes	10.35	106	13950	1.470	ug/l	97
69) o-Xylene	10.70	106	7223	0.788	ug/l	93
80) 1,3,5-Trimethylbenzene	11.50	105	11212	0.589	ug/l	100
84) 1,2,4-Trimethylbenzene	11.80	105	27235	1.426	ug/l	99
95) Naphthalene	13.83	128	12760	1.479	ug/l #	93

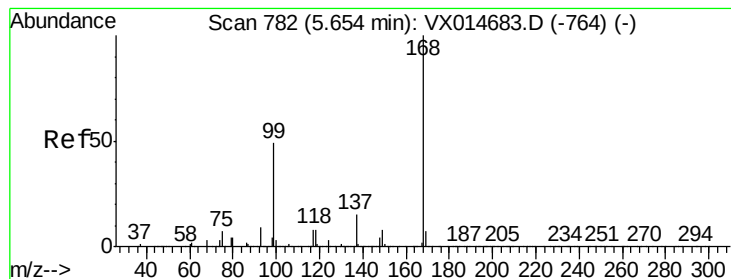
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 22 12:35:15 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014725.D

Acq: 27 Jan 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

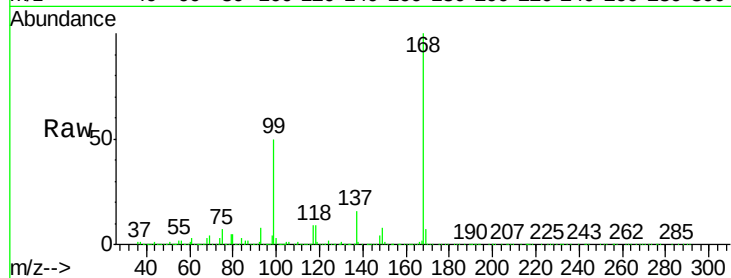
COMP-1

Tot Ion:168 Resp: 469568

Ion Ratio Lower Upper

168 100

99 49.9 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

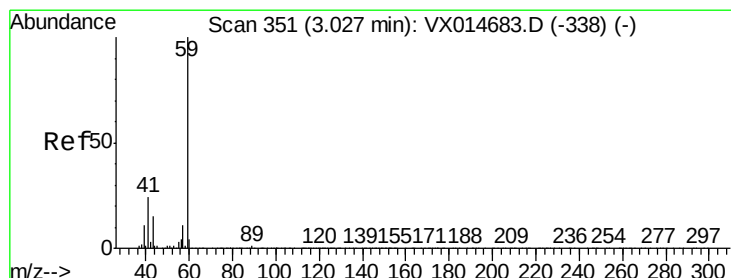
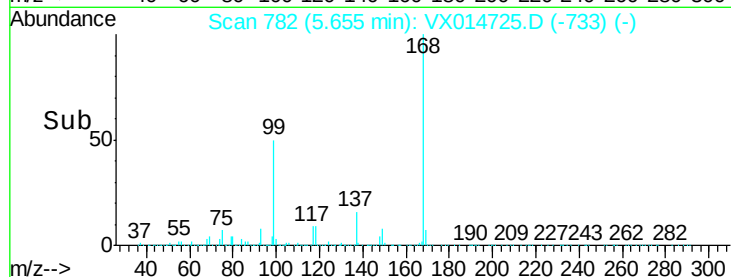
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 33.169 ug/l

RT: 3.02 min Scan# 350

Delta R.T. -0.01 min

Lab File: VX014725.D

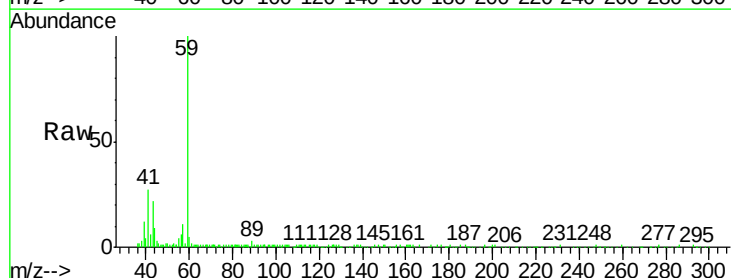
Acq: 27 Jan 2020 14:44

Tgt Ion: 59 Resp: 40834

Ion Ratio Lower Upper

59 100

57 10.3 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.02

20000

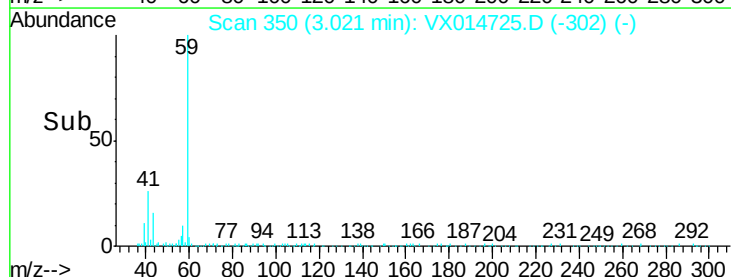
15000

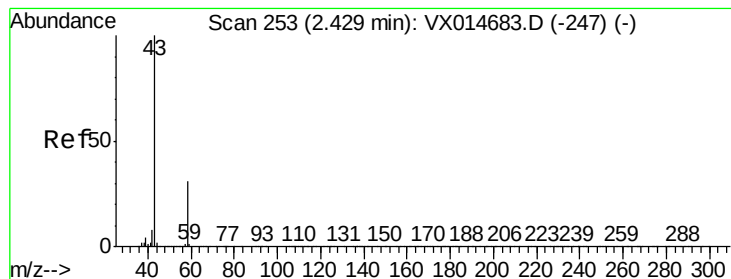
10000

5000

0

Time-->





#16

Acetone

Concen: 56.548 ug/l

RT: 2.43 min Scan# 253

Delta R.T. 0.00 min

Lab File: VX014725.D

Acq: 27 Jan 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

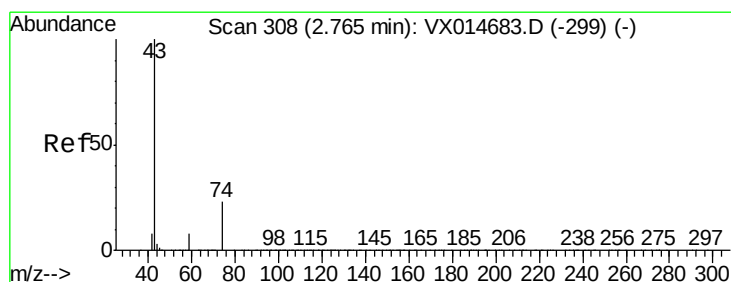
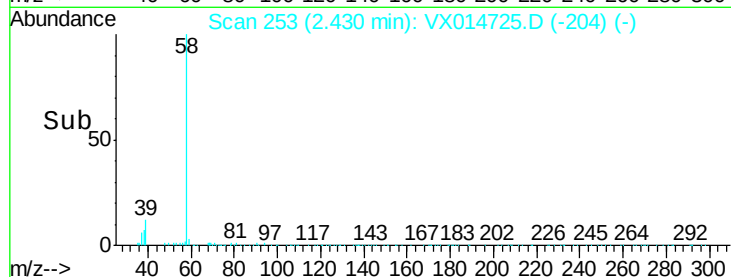
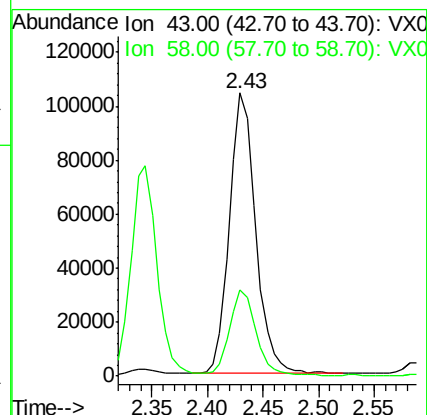
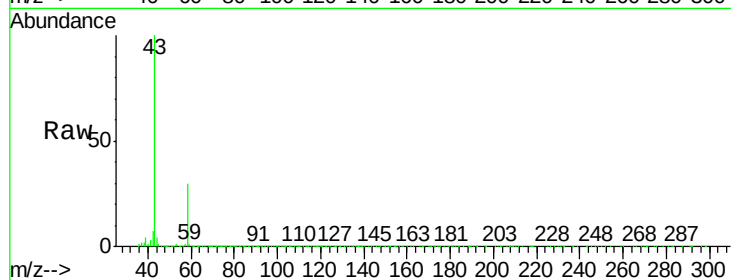
COMP-1

Tot Ion: 43 Resp: 169594

Ion Ratio Lower Upper

43 100

58 30.2 24.5 36.7



#18

Methyl Acetate

Concen: 5.578 ug/l

RT: 2.76 min Scan# 308

Delta R.T. 0.00 min

Lab File: VX014725.D

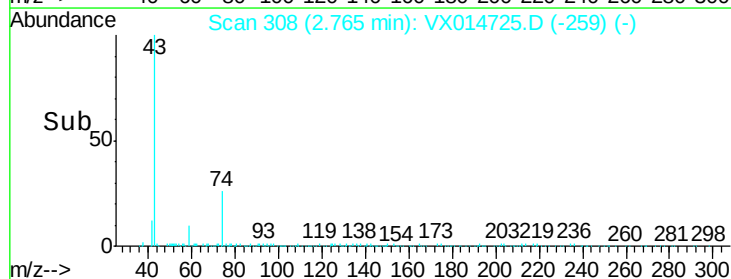
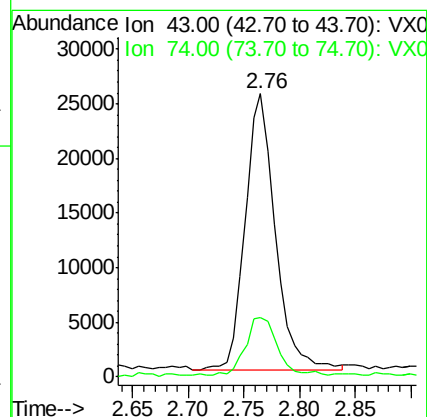
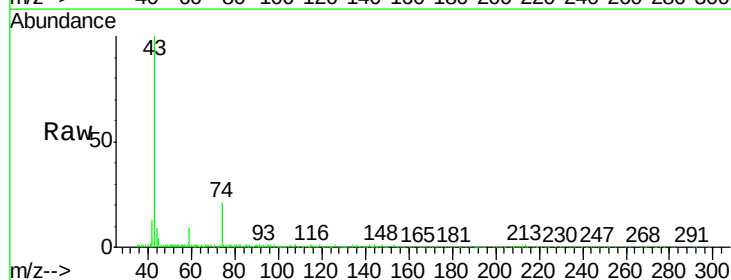
Acq: 27 Jan 2020 14:44

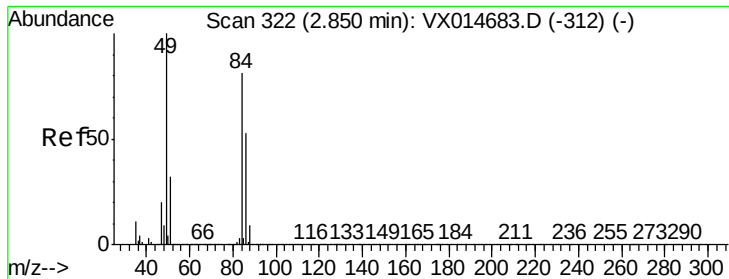
Tgt Ion: 43 Resp: 47851

Ion Ratio Lower Upper

43 100

74 23.0 18.5 27.7

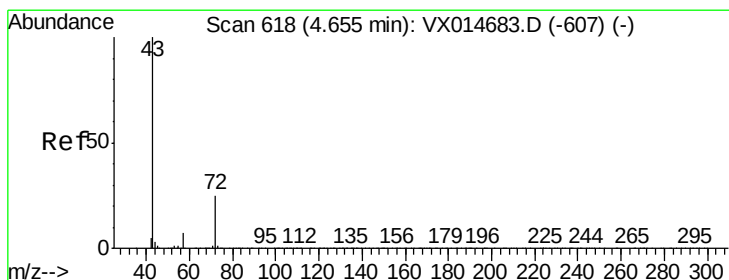
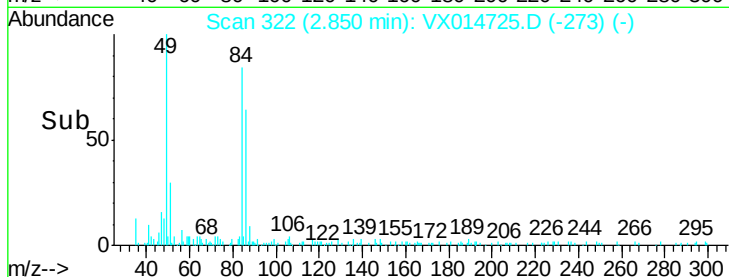
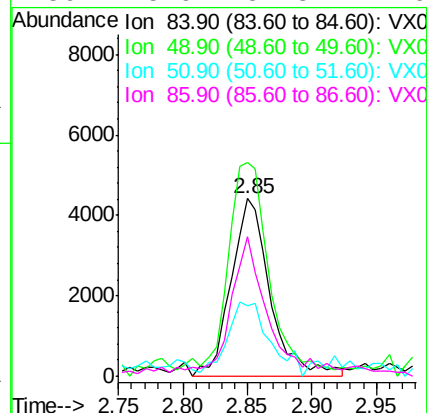
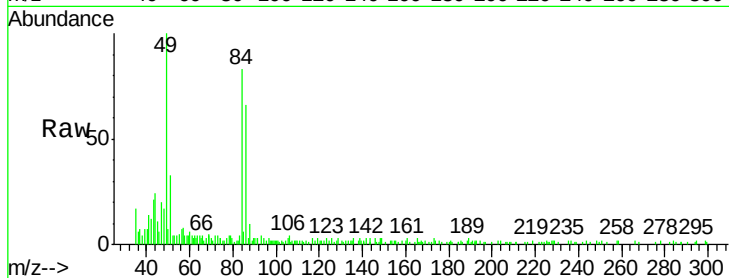




#20
Methvlene Chloride
Concen: 1.677 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014725.D
Acq: 27 Jan 2020 14:44

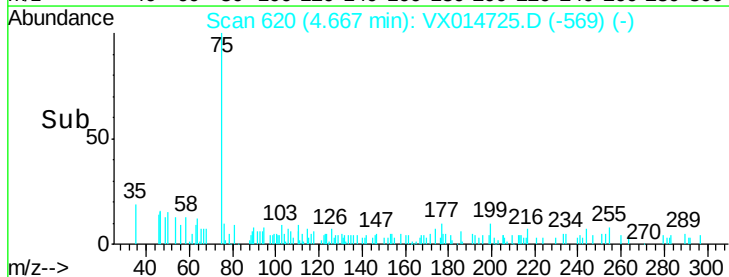
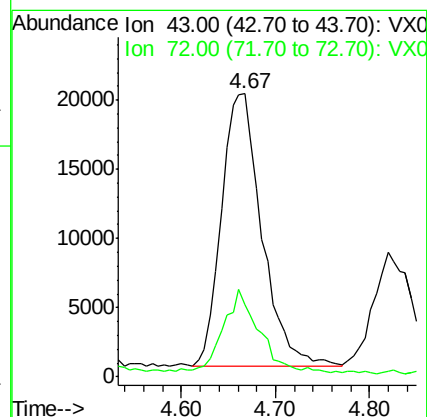
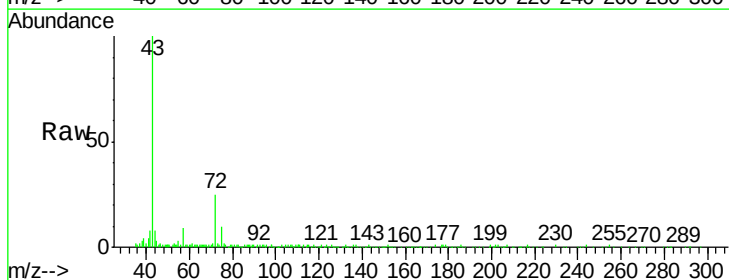
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

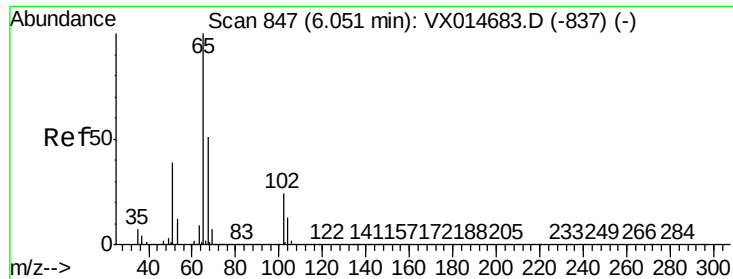
Tot Ion:	84	Resp:	9327
Ion	Ratio	Lower	Upper
84	100		
49	115.5	98.2	147.4
51	35.8	31.3	46.9
86	73.9	51.8	77.6



#25
2-Butanone
Concen: 13.646 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX014725.D
Acq: 27 Jan 2020 14:44

Tgt Ion:	43	Resp:	58758
Ion	Ratio	Lower	Upper
43	100		
72	24.7	19.9	29.9

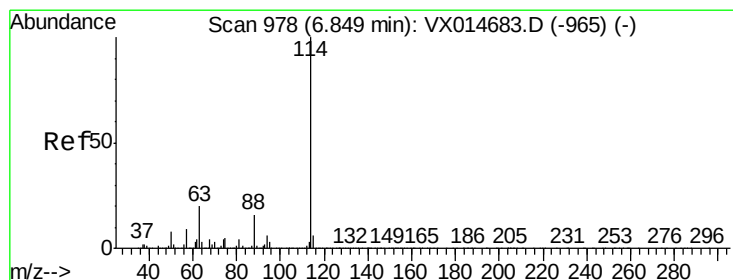
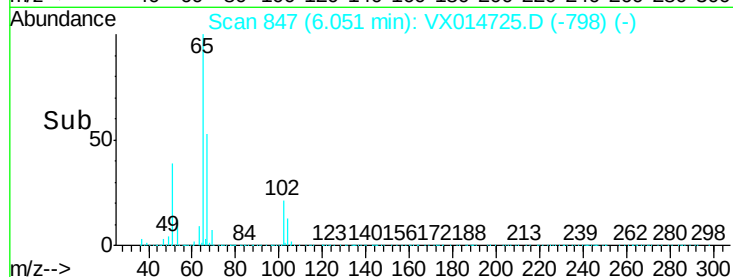
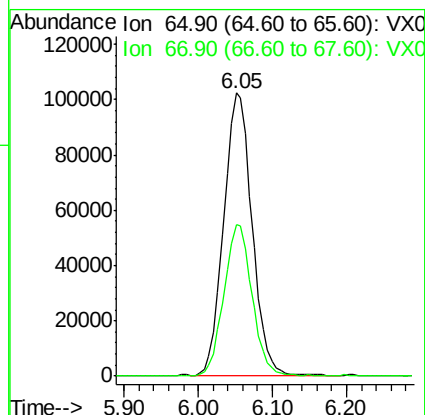
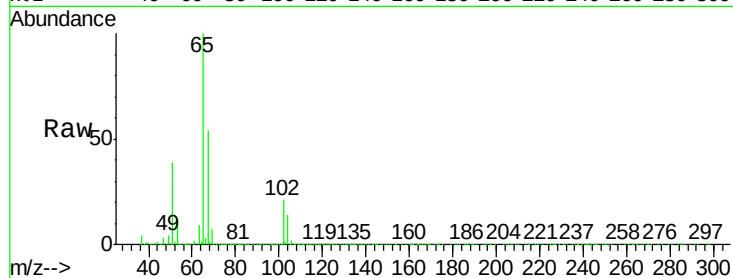




#33
 1,2-Dichloroethane-d4
 Concen: 49.500 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX014725.D
 Acq: 27 Jan 2020 14:44

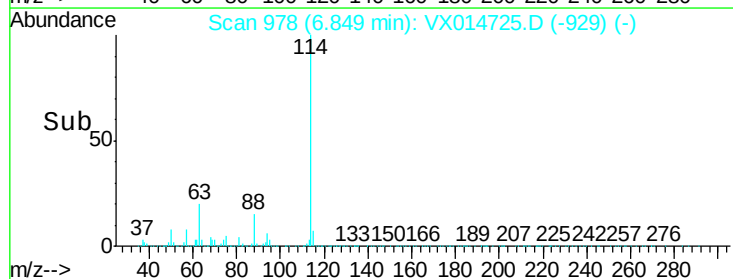
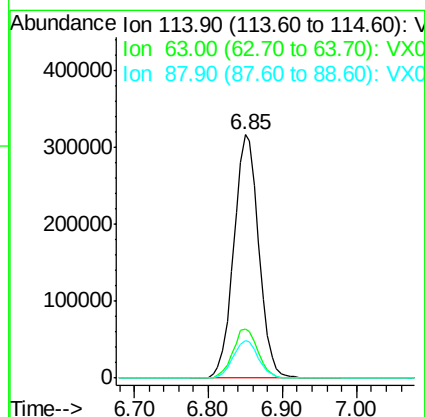
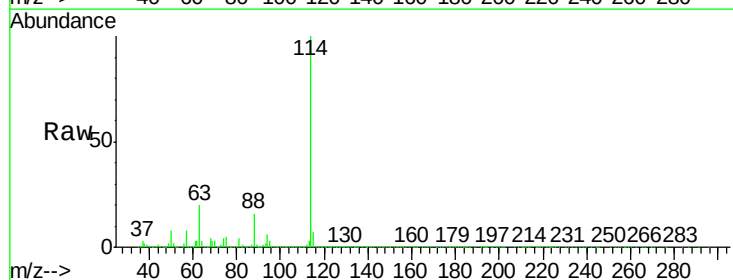
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-1

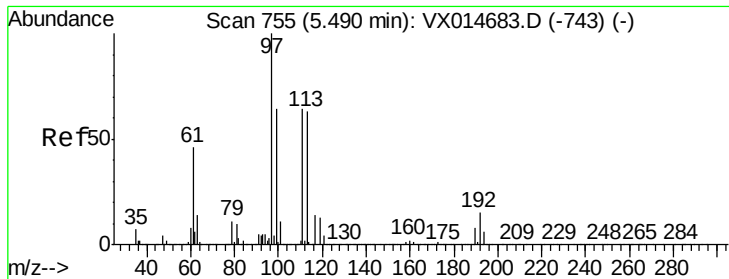
Tot Ion: 65 Resp: 271432
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX014725.D
 Acq: 27 Jan 2020 14:44

Tgt Ion: 114 Resp: 743415
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 40.6
 88 15.5 0.0 31.2





#35

Dibromofluoromethane

Concen: 47.410 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014725.D

Acq: 27 Jan 2020 14:44

Instrument :

MSVOA_X

ClientSampled :

COMP-1

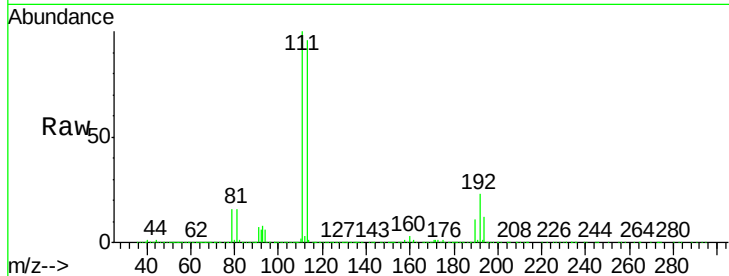
Tot Ion:113 Resp: 222396

Ion Ratio Lower Upper

113 100

111 102.8 80.7 121.1

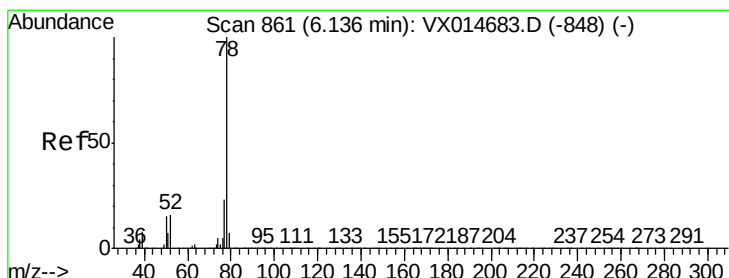
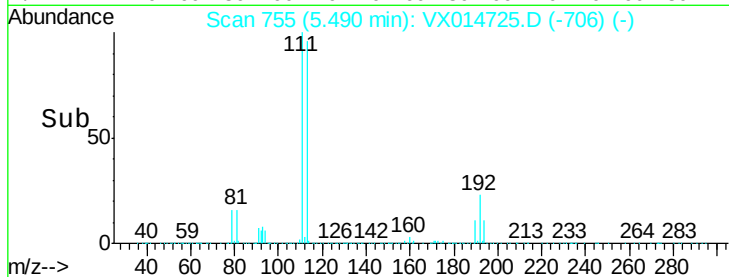
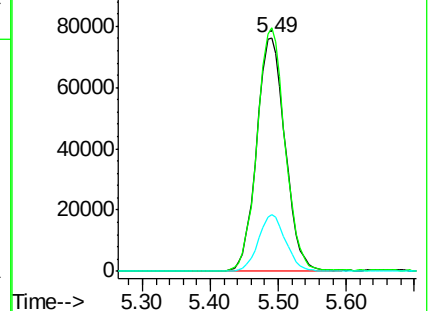
192 23.5 18.5 27.7



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: 1.441 ug/l

RT: 6.14 min Scan# 862

Delta R.T. 0.01 min

Lab File: VX014725.D

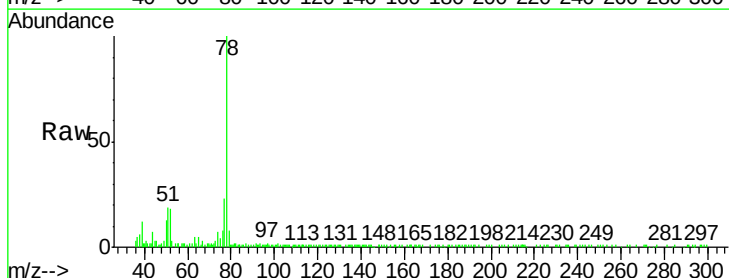
Acq: 27 Jan 2020 14:44

Tgt Ion: 78 Resp: 30750

Ion Ratio Lower Upper

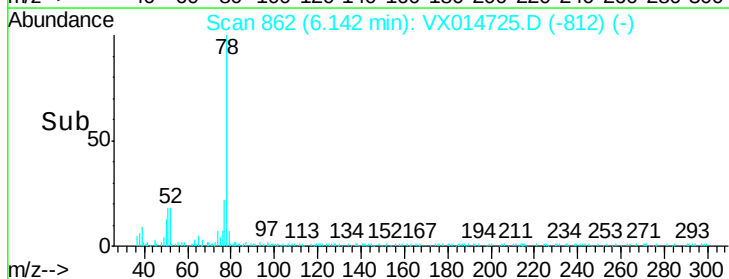
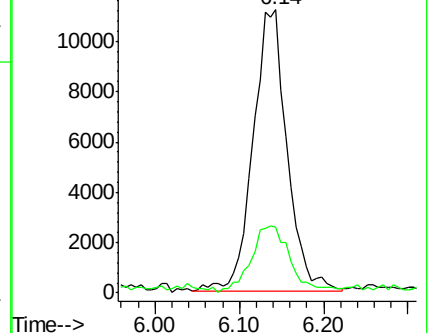
78 100

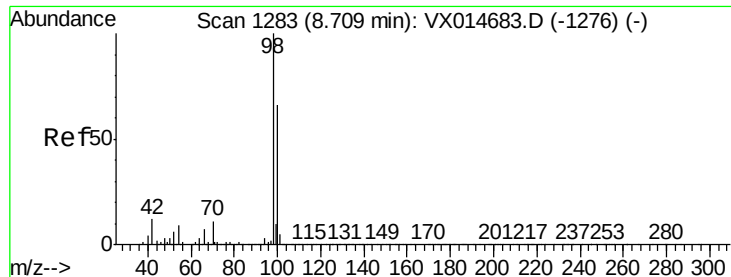
77 22.1 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#50

Toluene-d8

Concen: 49.410 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014725.D

Acq: 27 Jan 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

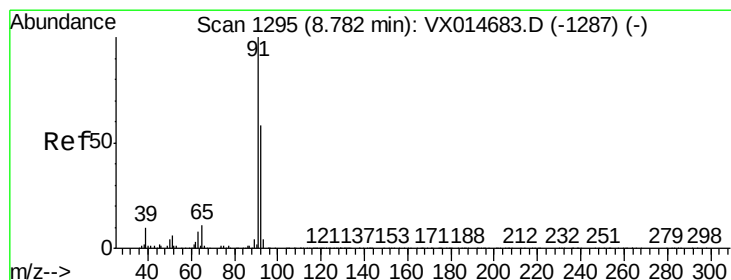
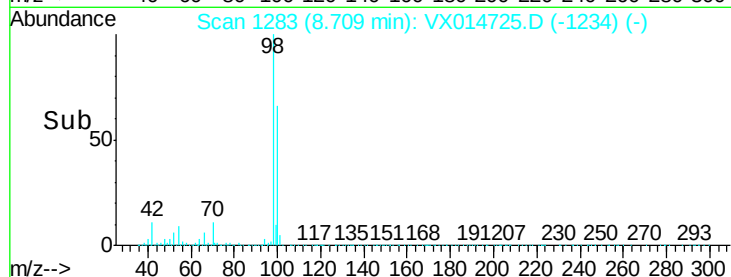
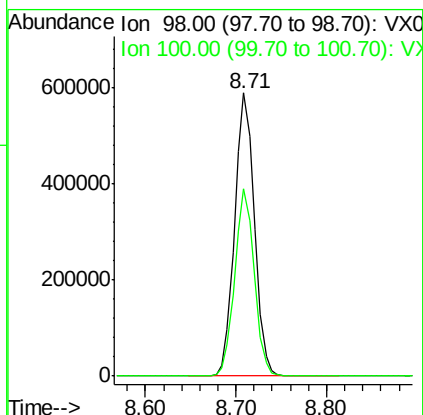
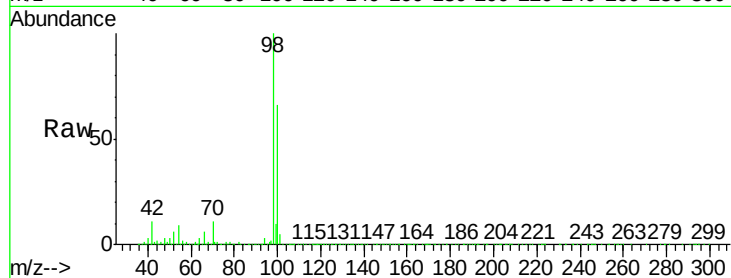
COMP-1

Tot Ion: 98 Resp: 891043

Ion Ratio Lower Upper

98 100

100 65.3 53.0 79.6



#52

Toluene

Concen: 7.635 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014725.D

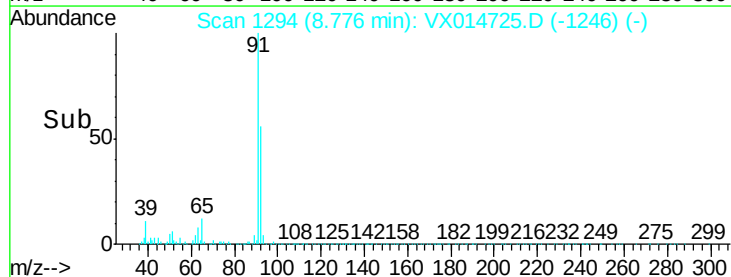
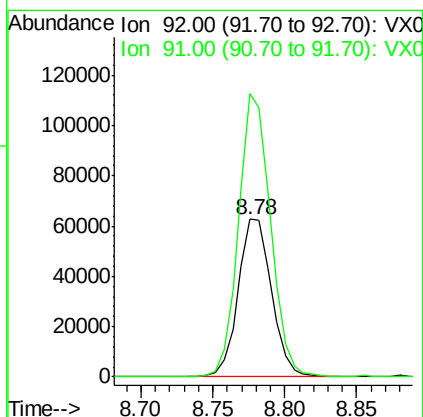
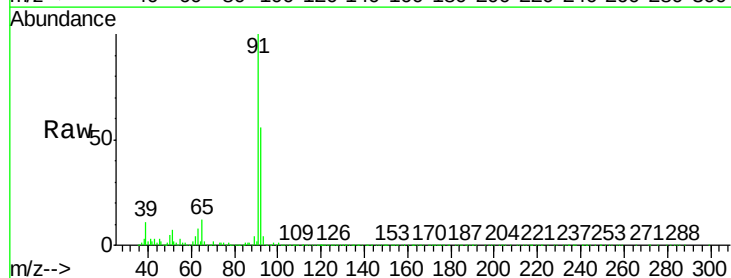
Acq: 27 Jan 2020 14:44

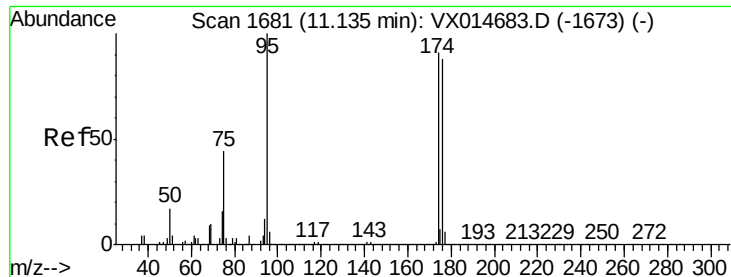
Tgt Ion: 92 Resp: 100169

Ion Ratio Lower Upper

92 100

91 173.5 135.9 203.9





#62

4-Bromofluorobenzene

Concen: 49.505 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014725.D

Acq: 27 Jan 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

COMP-1

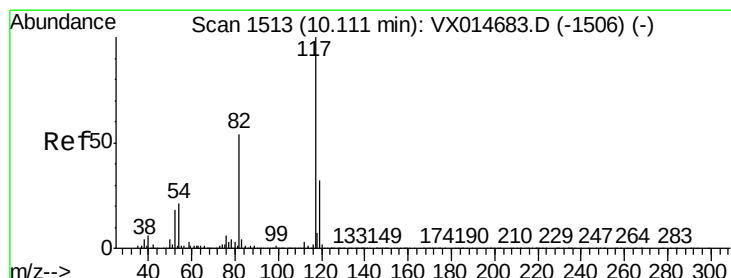
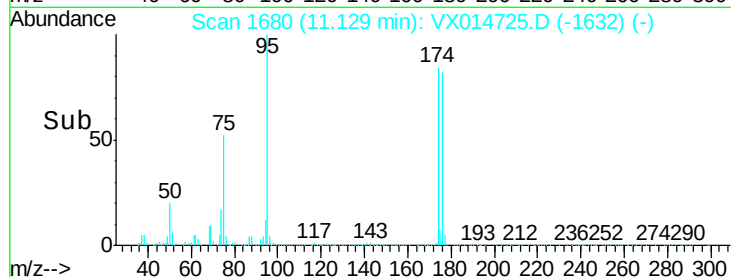
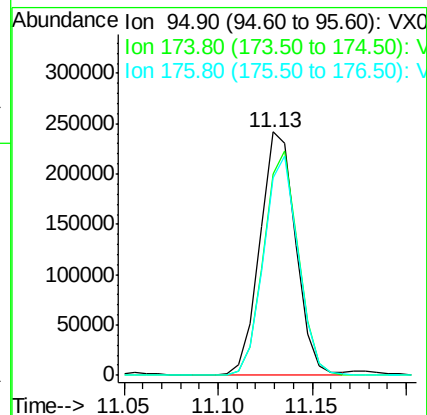
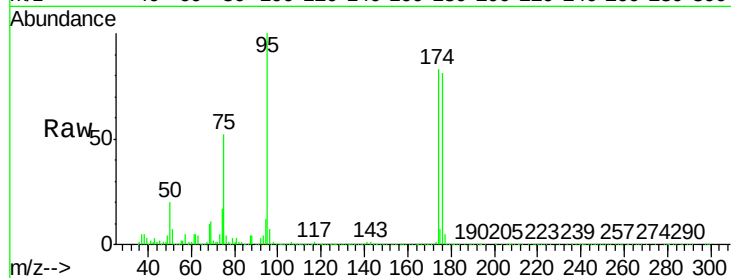
Tot Ion: 95 Resp: 318018

Ion Ratio Lower Upper

95 100

174 88.9 0.0 176.0

176 87.0 0.0 172.2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX014725.D

Acq: 27 Jan 2020 14:44

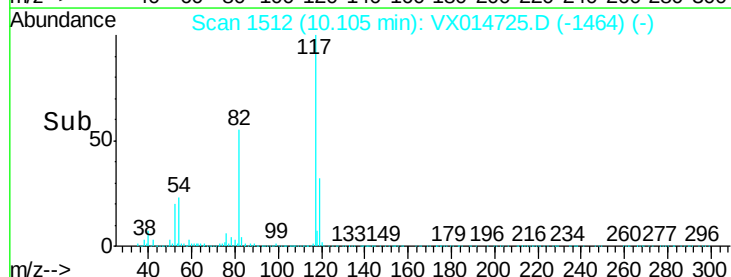
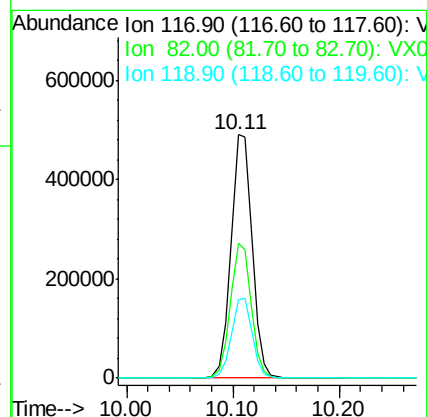
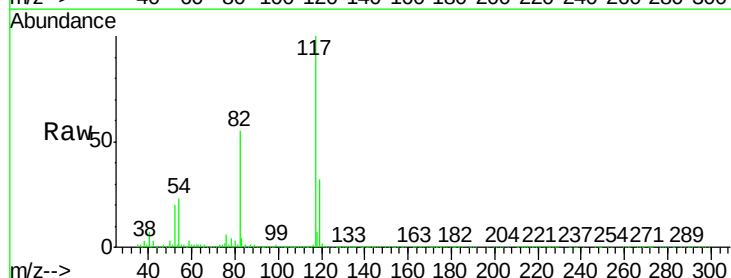
Tgt Ion: 117 Resp: 685791

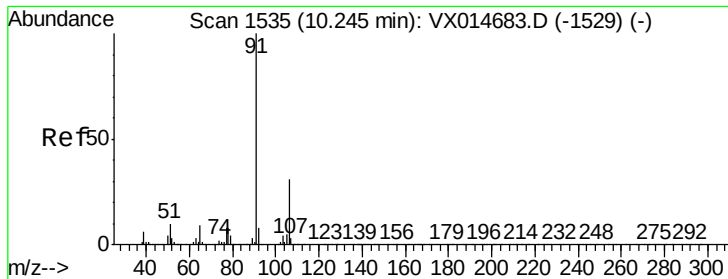
Ion Ratio Lower Upper

117 100

82 55.2 43.2 64.8

119 32.1 25.8 38.6





#67

Ethyl Benzene

Concen: 0.363 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX014725.D

Acq: 27 Jan 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

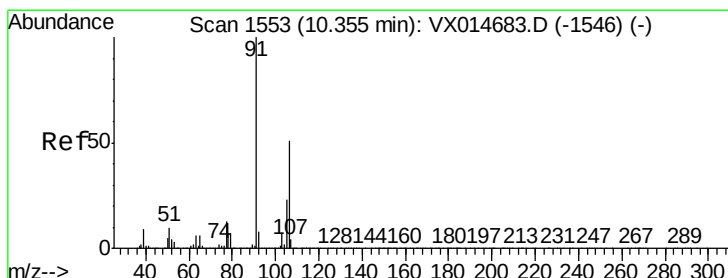
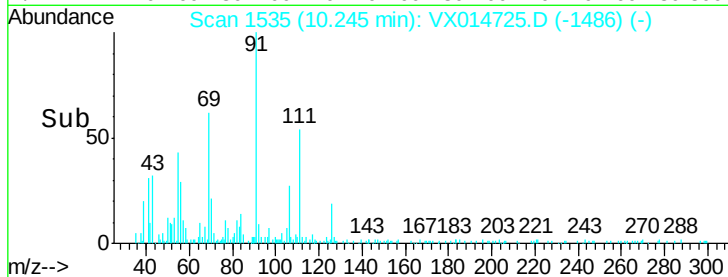
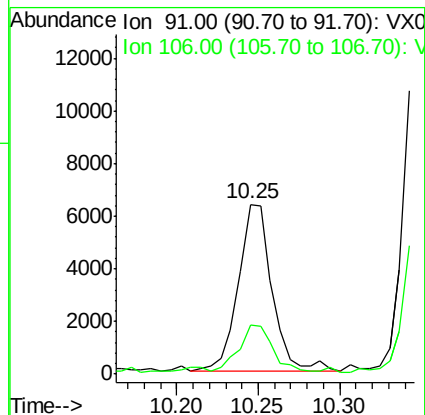
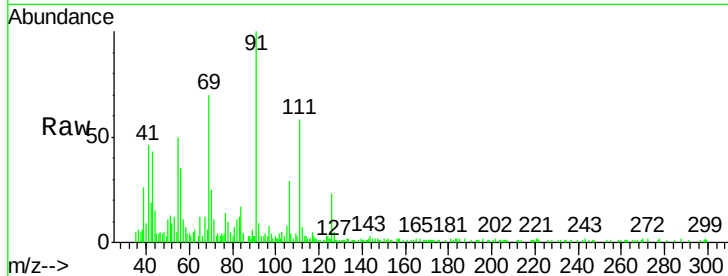
COMP-1

Tot Ion: 91 Resp: 9097

Ion Ratio Lower Upper

91 100

106 28.1 24.9 37.3



#68

m/p-Xylenes

Concen: 1.470 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014725.D

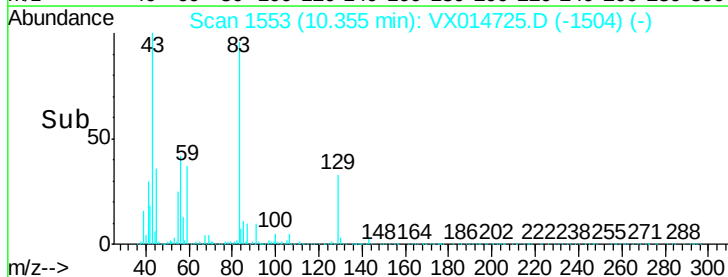
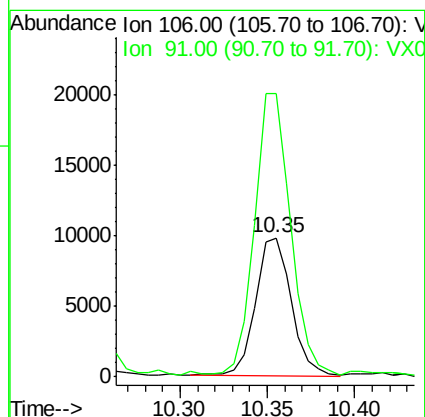
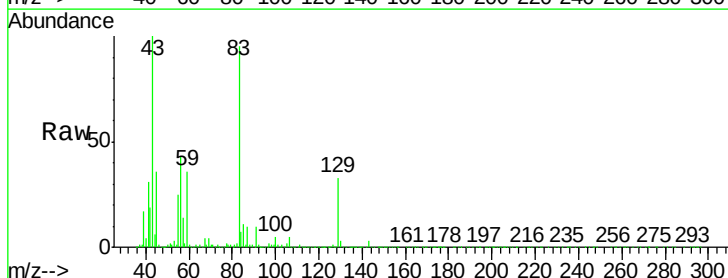
Acq: 27 Jan 2020 14:44

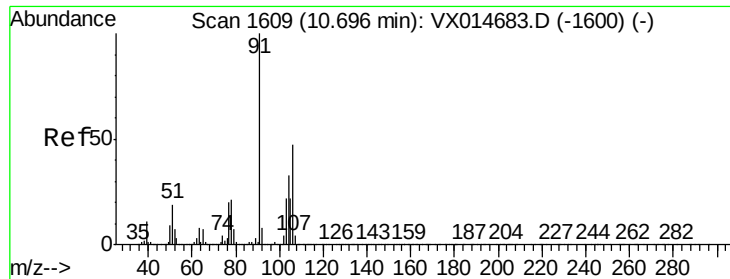
Tgt Ion: 106 Resp: 13950

Ion Ratio Lower Upper

106 100

91 204.1 159.4 239.2

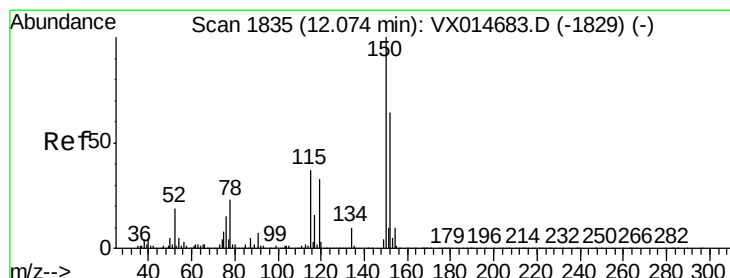
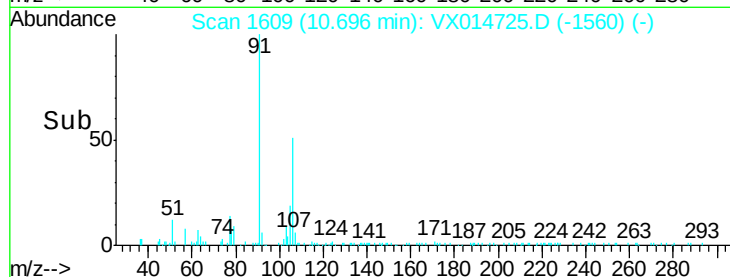
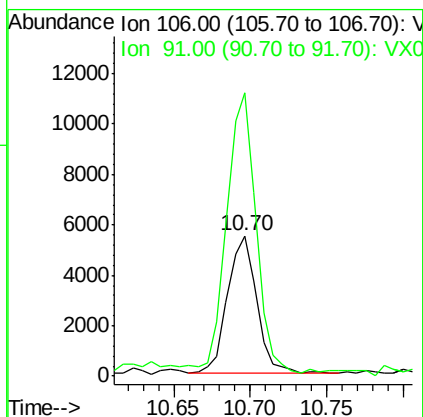
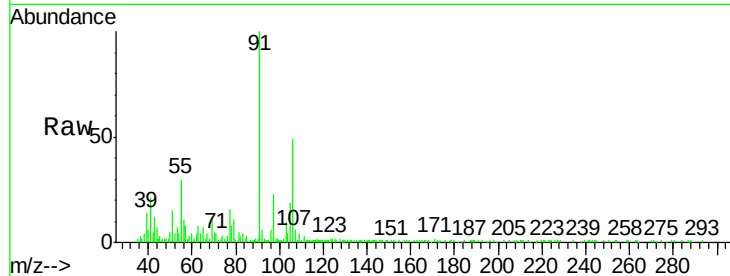




#69
o-Xylene
Concen: 0.788 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014725.D
Acq: 27 Jan 2020 14:44

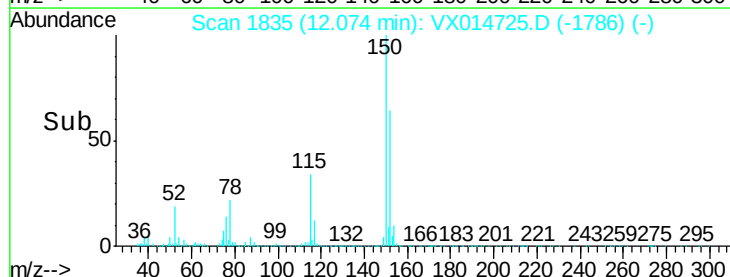
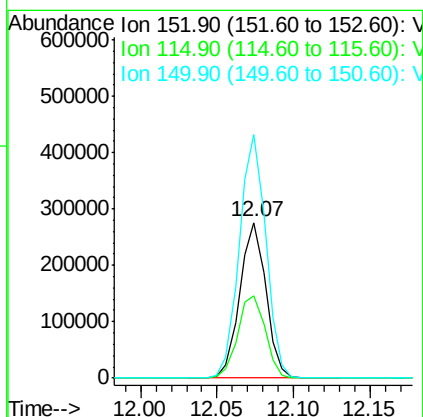
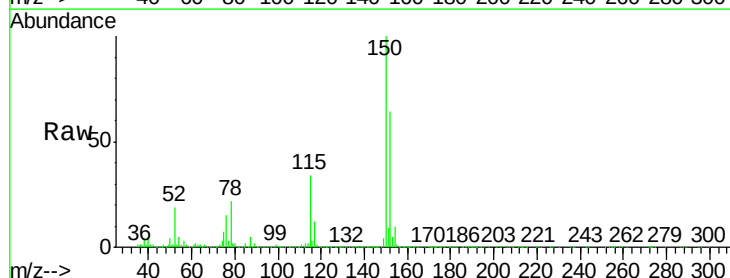
Instrument :
MSVOA_X
ClientSampled :
COMP-1

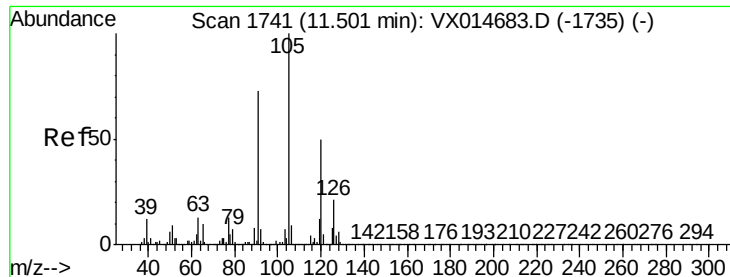
Tot Ion:106 Resp: 7223
Ion Ratio Lower Upper
106 100
91 202.1 106.2 318.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014725.D
Acq: 27 Jan 2020 14:44

Tgt Ion:152 Resp: 326312
Ion Ratio Lower Upper
152 100
115 55.9 39.4 118.1
150 158.7 0.0 351.2





#80

1,3,5-Trimethylbenzene

Concen: 0.589 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014725.D

Acq: 27 Jan 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

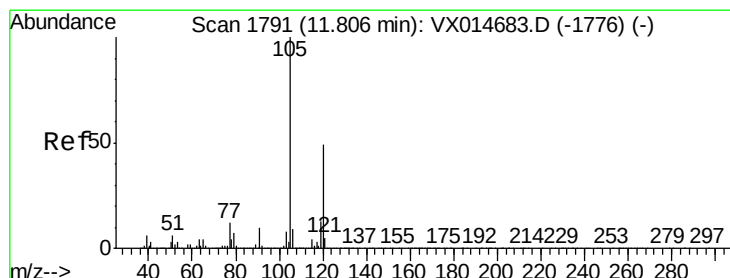
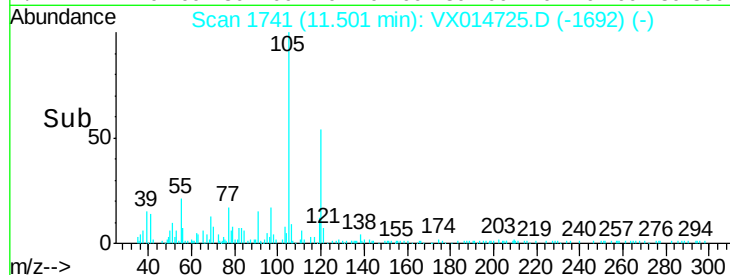
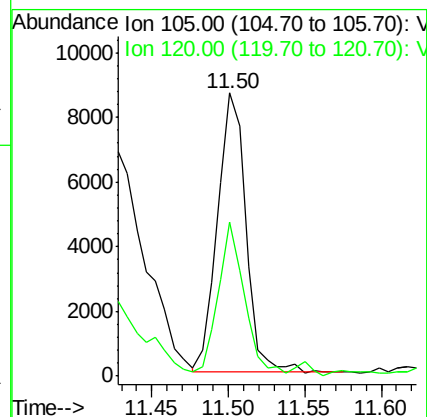
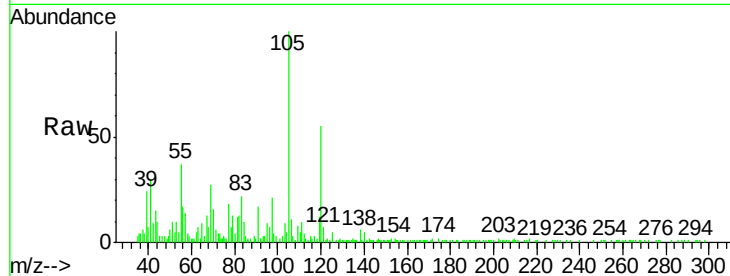
COMP-1

Tot Ion:105 Resp: 11212

Ion Ratio Lower Upper

105 100

120 49.9 24.9 74.6



#84

1,2,4-Trimethylbenzene

Concen: 1.426 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: VX014725.D

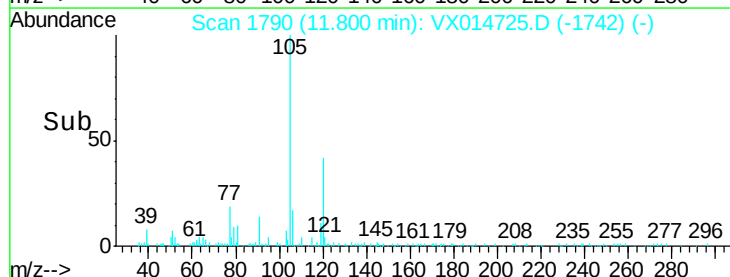
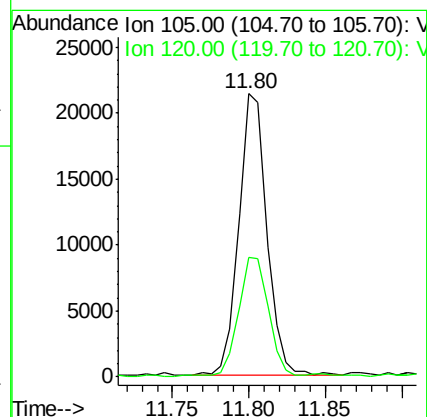
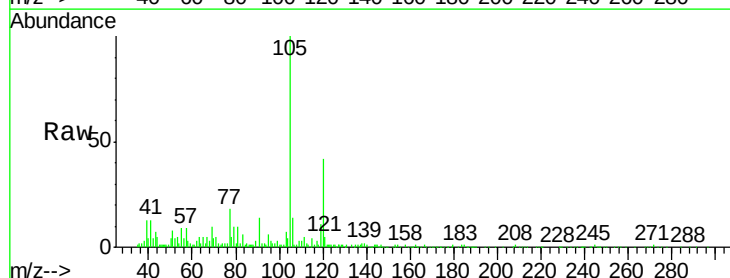
Acq: 27 Jan 2020 14:44

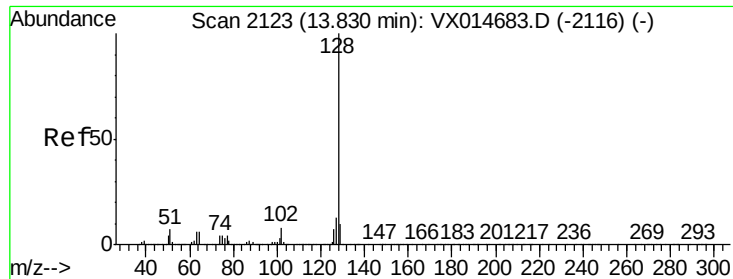
Tgt Ion:105 Resp: 27235

Ion Ratio Lower Upper

105 100

120 46.2 23.4 70.0





#95

Naphthalene

Concen: 1.479 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014725.D

Acq: 27 Jan 2020 14:44

Instrument :

MSVOA_X

ClientSampleId :

COMP-1

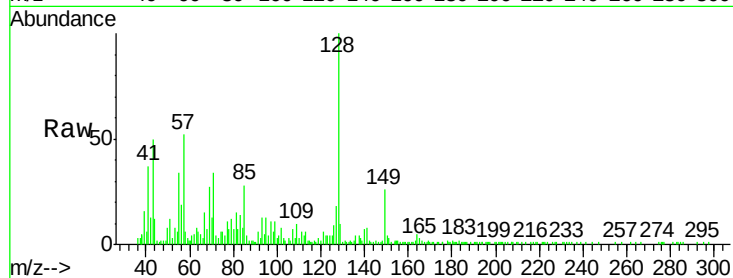
Tot Ion:128 Resp: 12760

Ion Ratio Lower Upper

128 100

127 17.8 10.3 15.5#

129 10.8 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

