

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020620\
 Data File : VX014859.D
 Acq On : 06 Feb 2020 19:40
 Operator : JC/SP
 Sample : L1419-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-1

Quant Time: Feb 07 03:12:57 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	476259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	738432	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	678568	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	345002	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	263901	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	
35) Dibromofluoromethane	5.49	113	218186	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
50) Toluene-d8	8.71	98	877747	49.00	ug/l	0.00
Spiked Amount			Recovery	=	98.00%	
62) 4-Bromofluorobenzene	11.13	95	322256	50.50	ug/l	0.00
Spiked Amount			Recovery	=	101.00%	

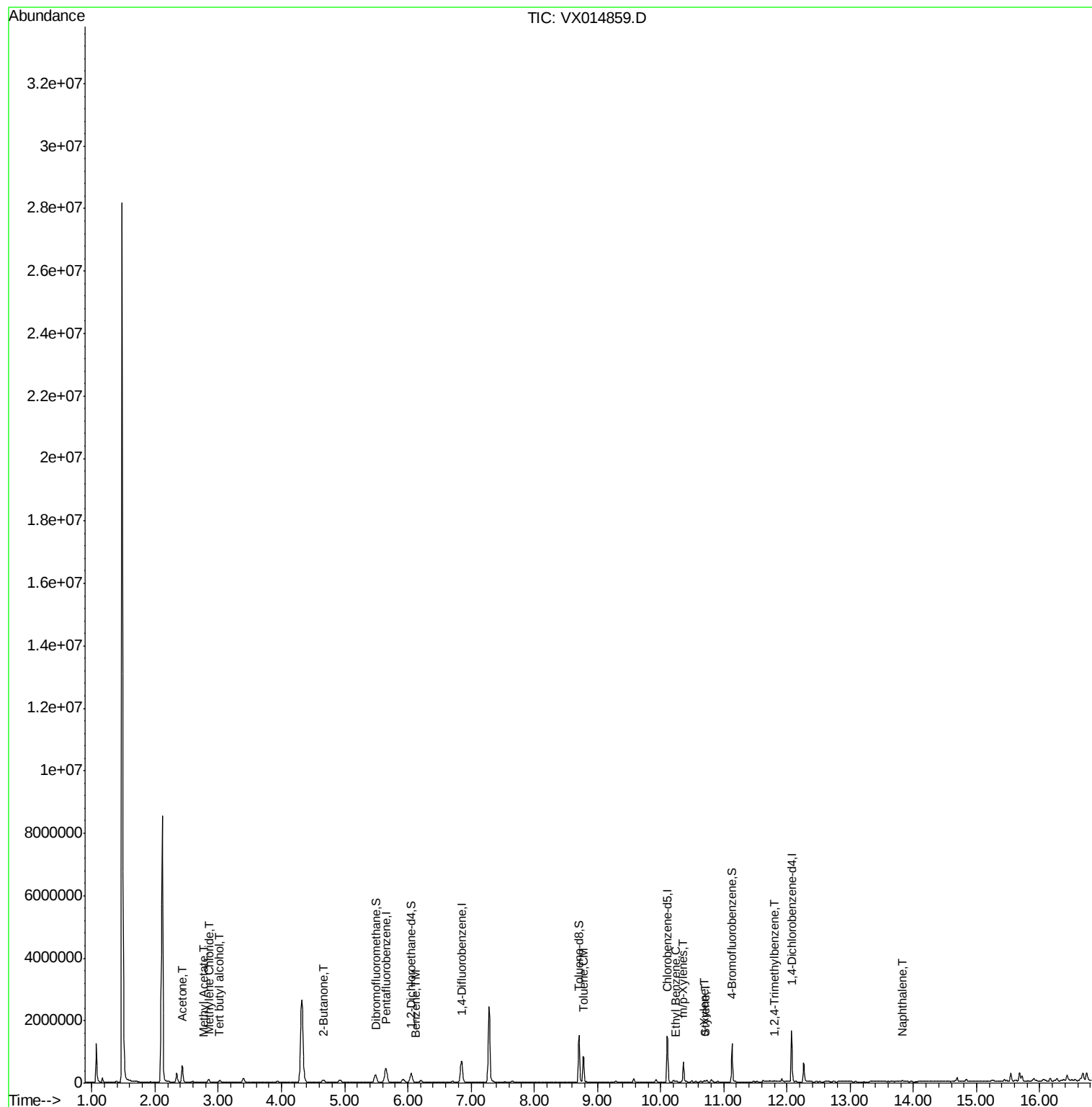
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.03	59	65100	52.137	ug/l	99
16) Acetone	2.43	43	551852	181.088	ug/l	100
18) Methyl Acetate	2.76	43	25237	2.901	ug/l	93
20) Methylene Chloride	2.85	84	52777	9.357	ug/l	92
25) 2-Butanone	4.66	43	106750	24.444	ug/l	98
40) Benzene	6.13	78	13636	0.643	ug/l	97
52) Toluene	8.78	92	311900	23.933	ug/l	97
67) Ethyl Benzene	10.25	91	12768	0.515	ug/l	95
68) m/p-Xylenes	10.36	106	13581	1.446	ug/l	96
69) o-Xylene	10.70	106	7854	0.867	ug/l	89
70) Styrene	10.71	104	7399	0.487	ug/l #	86
84) 1,2,4-Trimethylbenzene	11.80	105	11386	0.564	ug/l	75
95) Naphthalene	13.83	128	19214	1.711	ug/l #	95

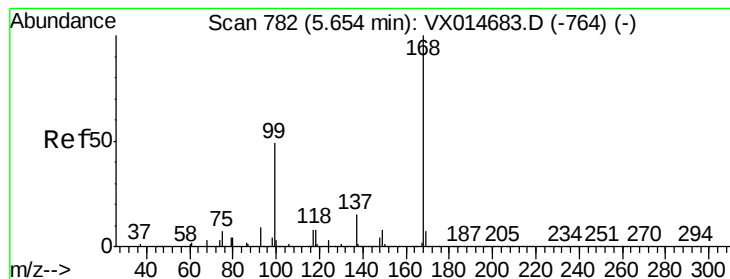
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX014859.D

Acq: 06 Feb 2020 19:40

Instrument :

MSVOA_X

ClientSampled :

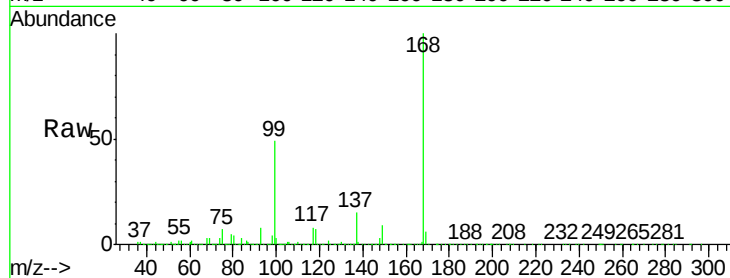
COMP-1

Tot Ion:168 Resp: 476259

Ion Ratio Lower Upper

168 100

99 48.8 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

200000

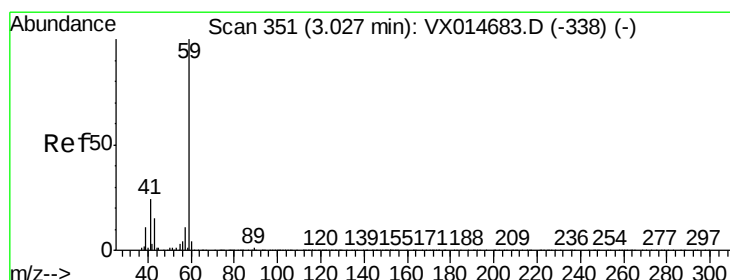
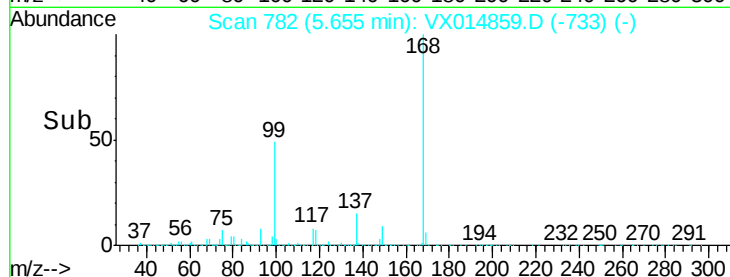
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 52.137 ug/l

RT: 3.03 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX014859.D

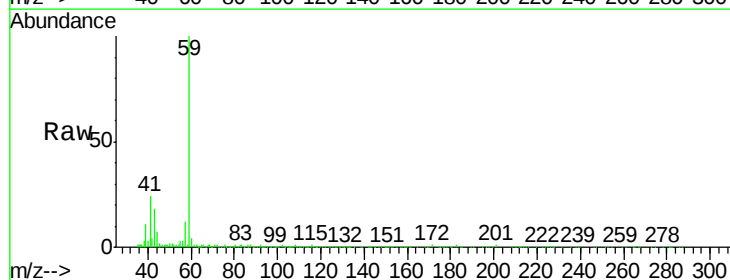
Acq: 06 Feb 2020 19:40

Tgt Ion: 59 Resp: 65100

Ion Ratio Lower Upper

59 100

57 10.1 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0

3.03

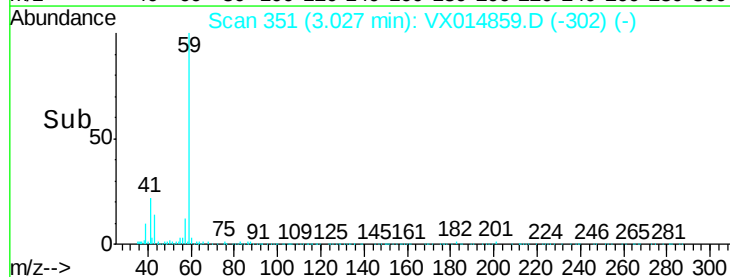
30000

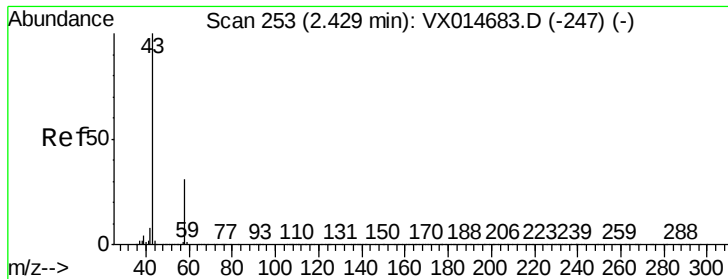
20000

10000

0

Time-->

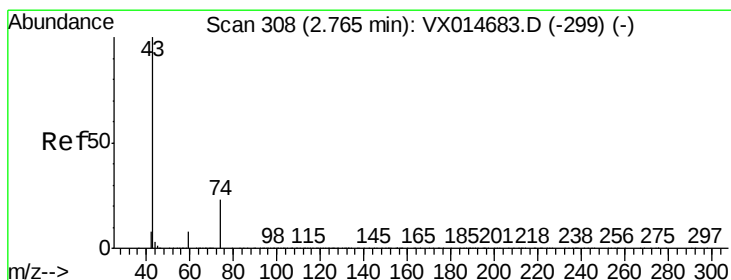
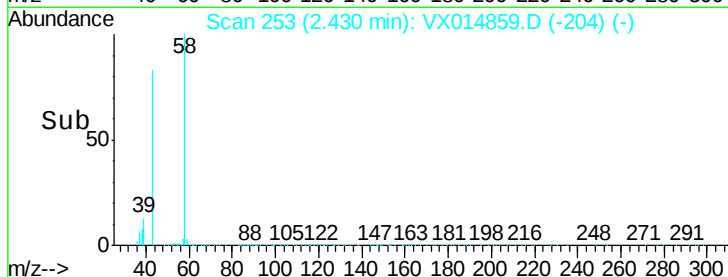
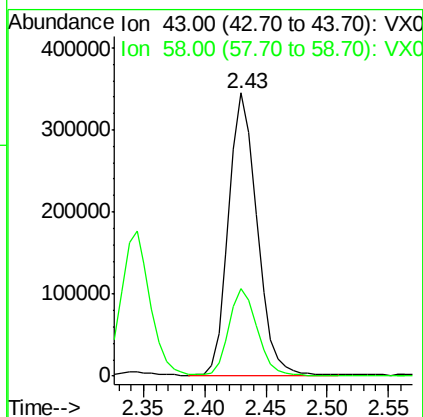
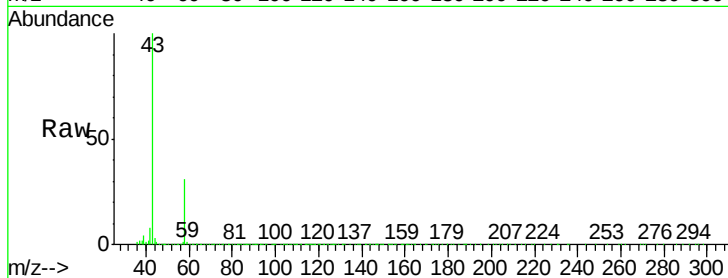




#16
Acetone
Concen: 181.088 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014859.D
Acq: 06 Feb 2020 19:40

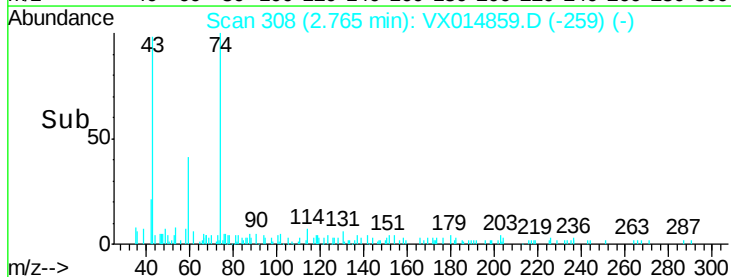
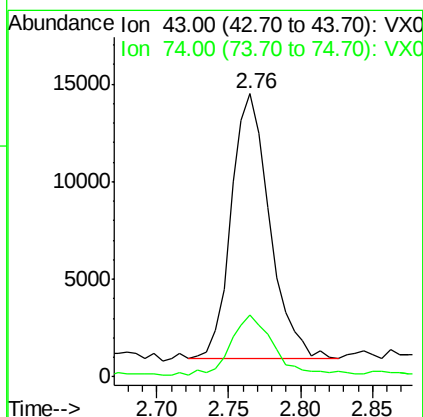
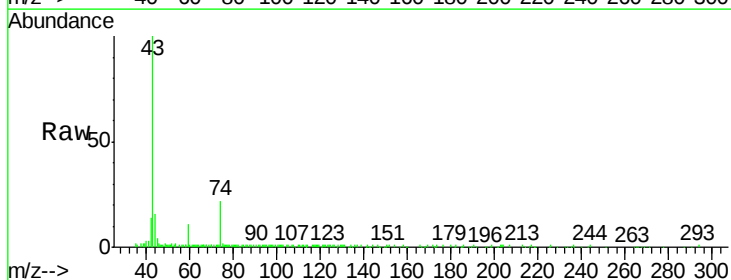
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

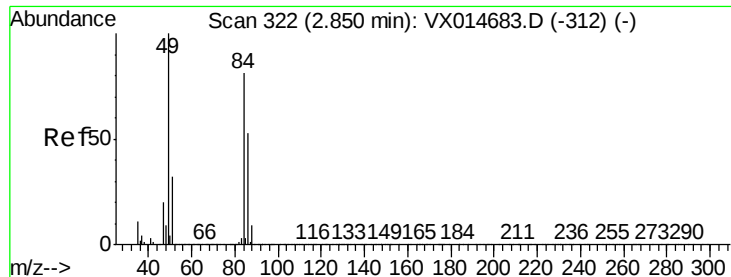
Tot Ion: 43 Resp: 551852
Ion Ratio Lower Upper
43 100
58 30.8 24.5 36.7



#18
Methyl Acetate
Concen: 2.901 ug/l
RT: 2.76 min Scan# 308
Delta R.T. 0.00 min
Lab File: VX014859.D
Acq: 06 Feb 2020 19:40

Tgt Ion: 43 Resp: 25237
Ion Ratio Lower Upper
43 100
74 26.5 18.5 27.7

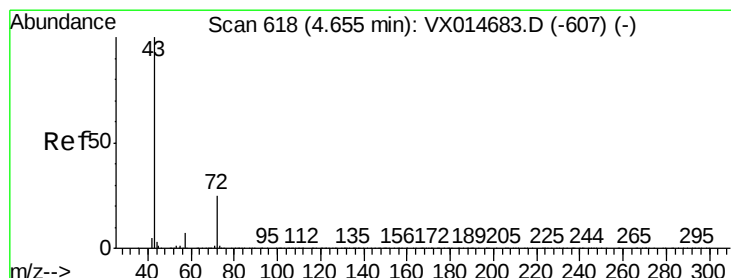
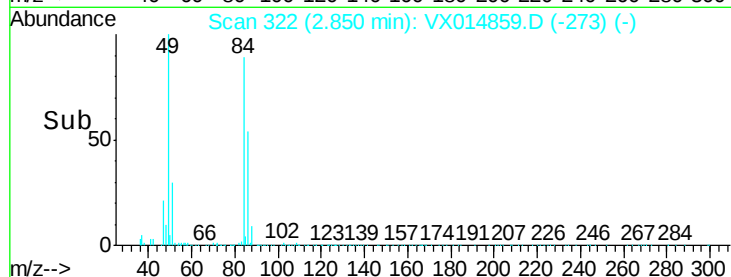
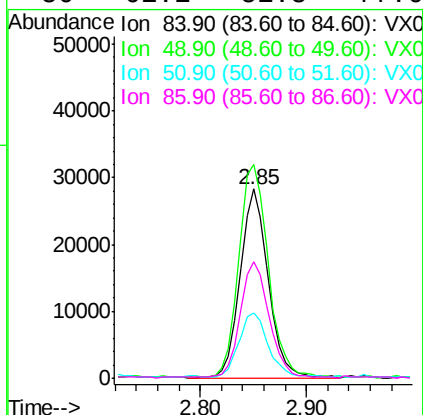
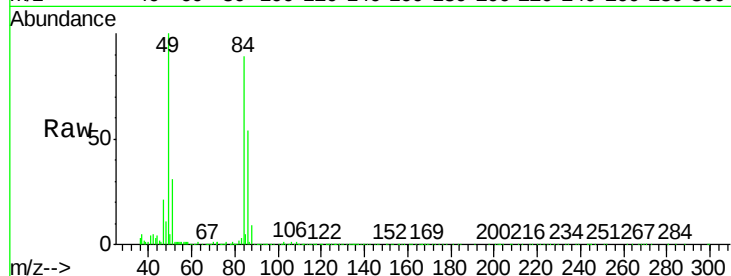




#20
Methvlene Chloride
Concen: 9.357 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX014859.D
Acq: 06 Feb 2020 19:40

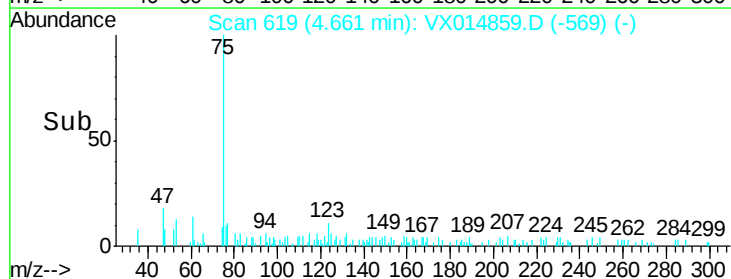
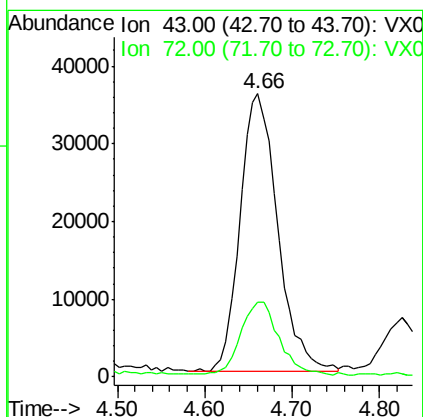
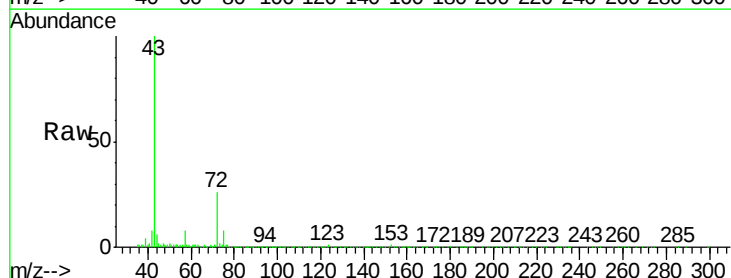
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

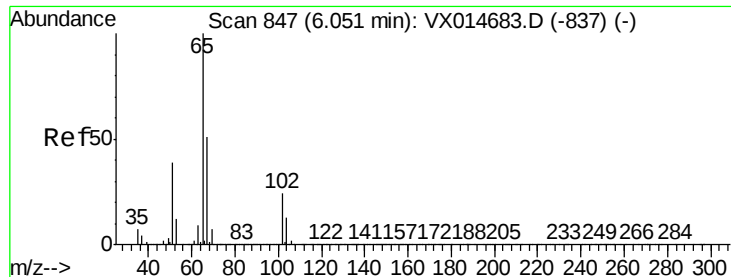
Tot Ion:	84	Resp:	52777
Ion	Ratio	Lower	Upper
84	100		
49	112.1	98.2	147.4
51	33.6	31.3	46.9
86	61.1	51.8	77.6



#25
2-Butanone
Concen: 24.444 ug/l
RT: 4.66 min Scan# 619
Delta R.T. 0.01 min
Lab File: VX014859.D
Acq: 06 Feb 2020 19:40

Tgt Ion:	43	Resp:	106750
Ion	Ratio	Lower	Upper
43	100		
72	25.7	19.9	29.9





#33

1,2-Dichloroethane-d4

Concen: 47.451 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014859.D

Acq: 06 Feb 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

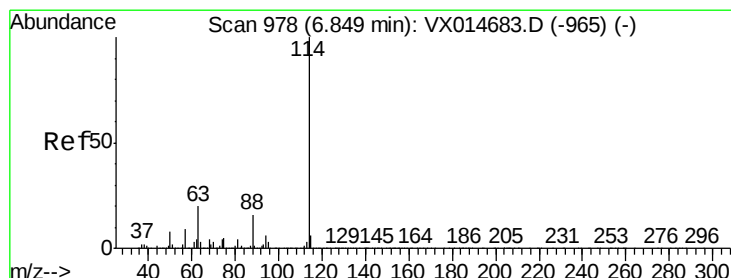
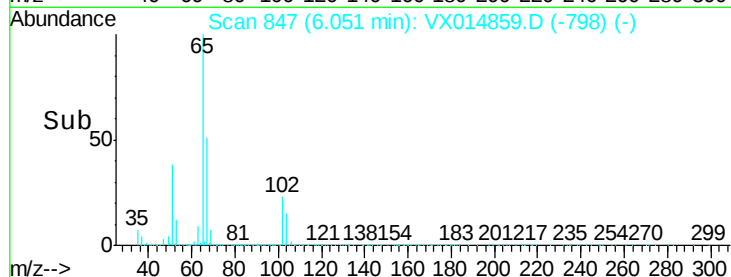
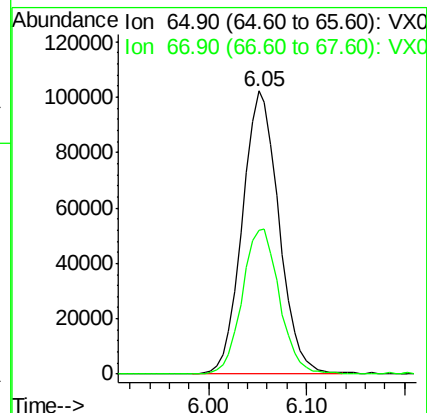
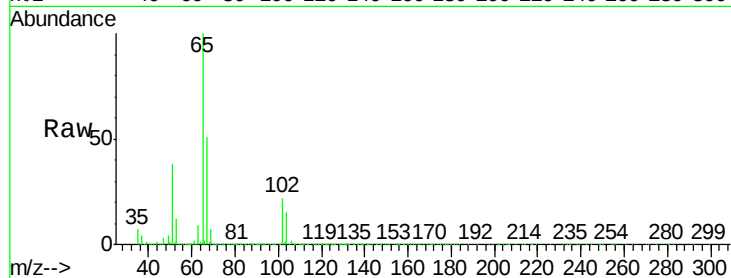
COMP-1

Tot Ion: 65 Resp: 263901

Ion Ratio Lower Upper

65 100

67 51.7 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: VX014859.D

Acq: 06 Feb 2020 19:40

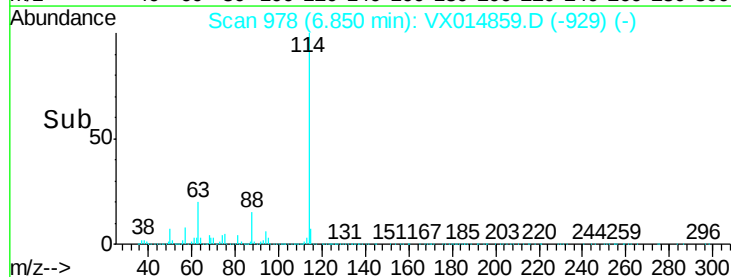
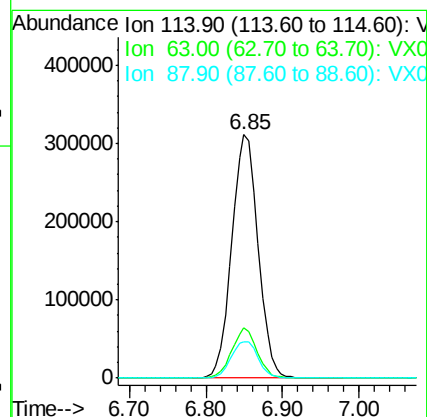
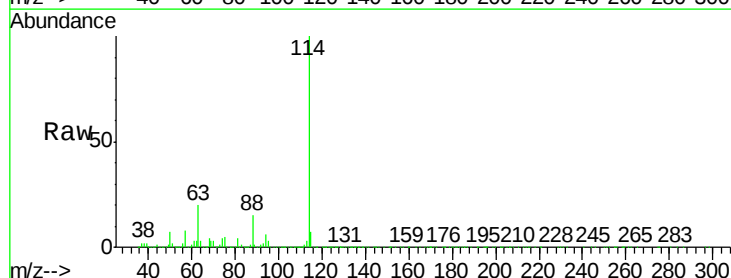
Tgt Ion: 114 Resp: 738432

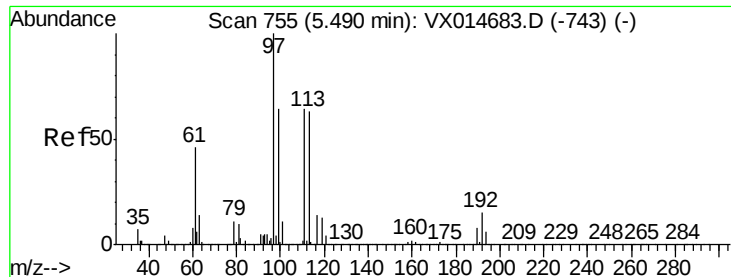
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.6

88 14.8 0.0 31.2





#35

Dibromofluoromethane

Concen: 46.827 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014859.D

Acq: 06 Feb 2020 19:40

Instrument :

MSVOA_X

ClientSampled :

COMP-1

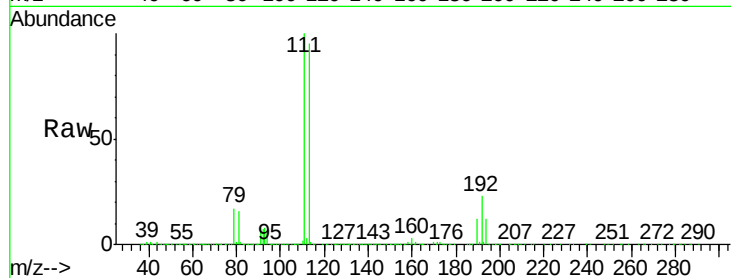
Tot Ion:113 Resp: 218186

Ion Ratio Lower Upper

113 100

111 102.1 80.7 121.1

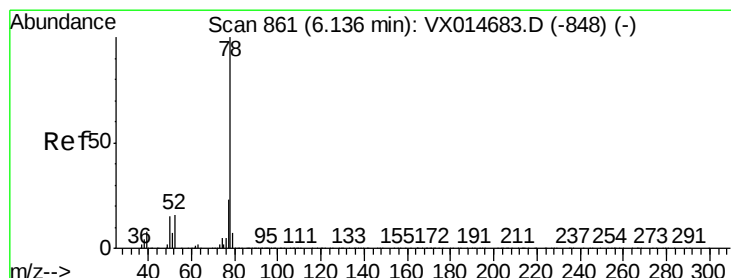
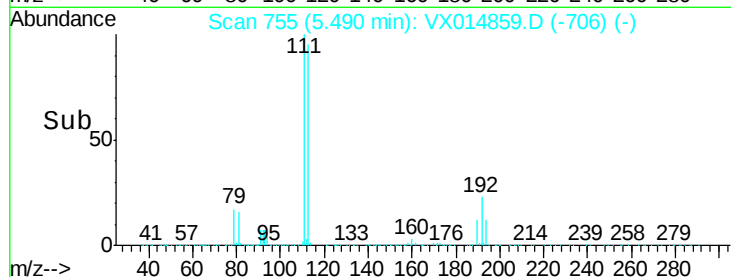
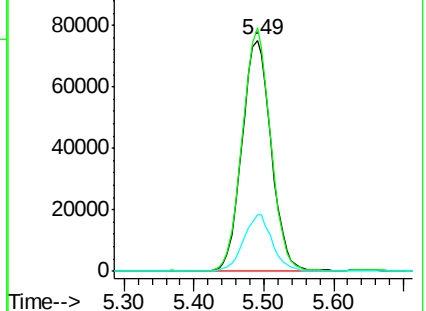
192 24.1 18.5 27.7



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: 0.643 ug/l

RT: 6.13 min Scan# 860

Delta R.T. -0.01 min

Lab File: VX014859.D

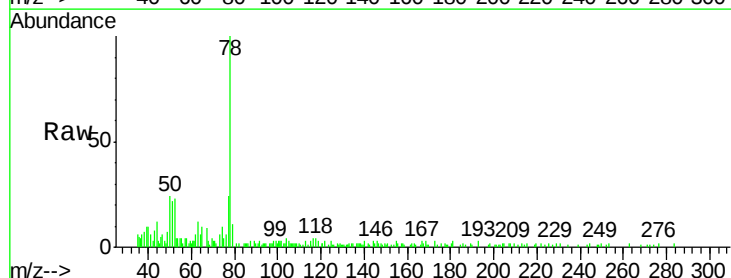
Acq: 06 Feb 2020 19:40

Tgt Ion: 78 Resp: 13636

Ion Ratio Lower Upper

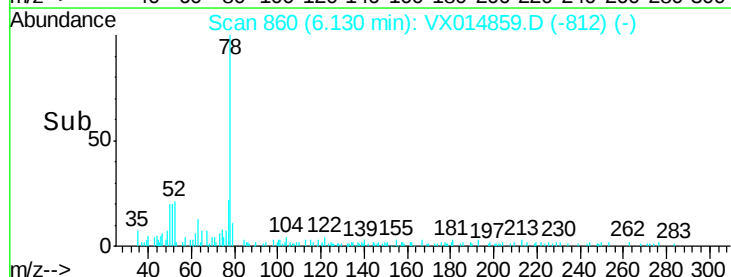
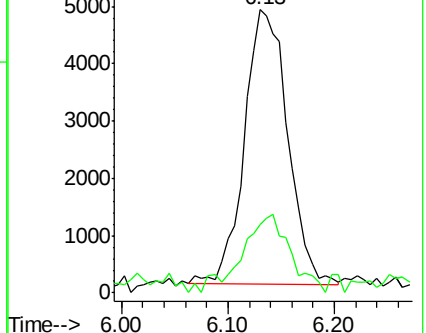
78 100

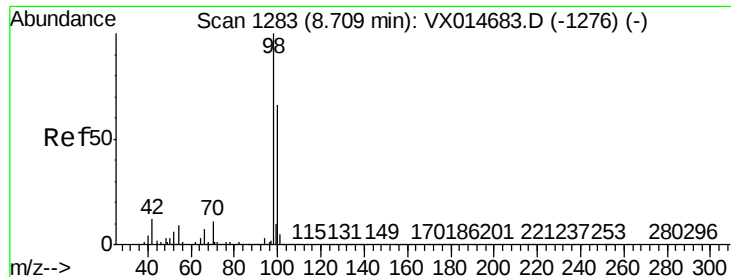
77 25.0 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0





#50

Toluene-d8

Concen: 49.001 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014859.D

Acq: 06 Feb 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

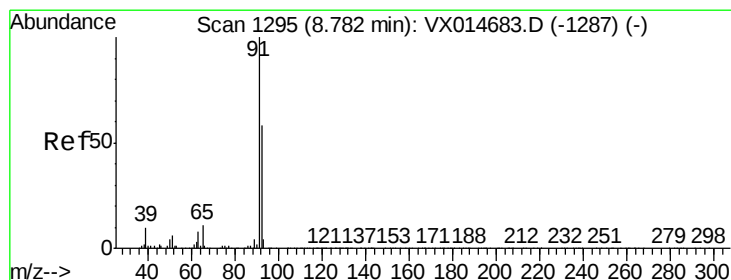
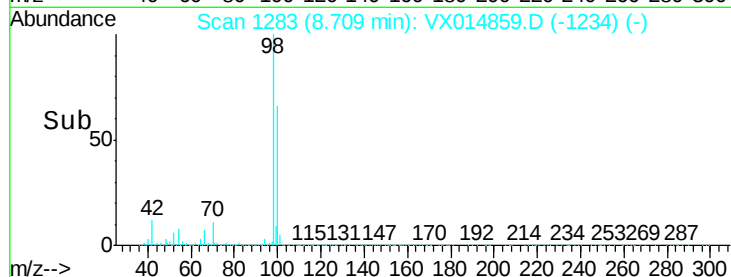
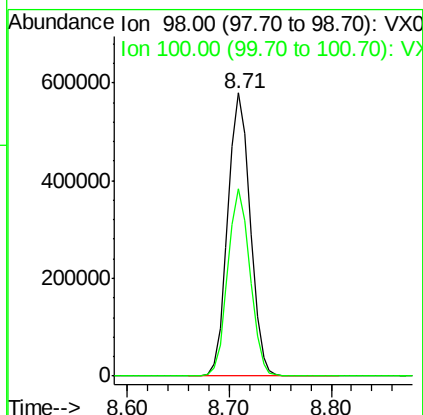
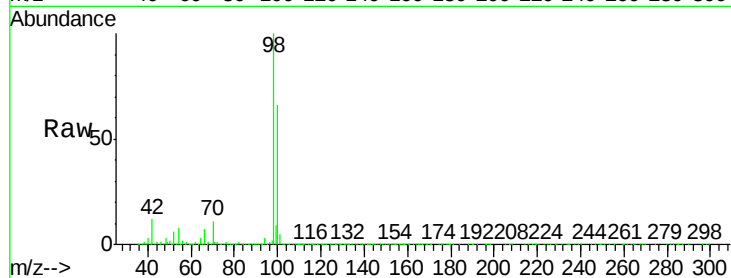
COMP-1

Tot Ion: 98 Resp: 877747

Ion Ratio Lower Upper

98 100

100 65.8 53.0 79.6



#52

Toluene

Concen: 23.933 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014859.D

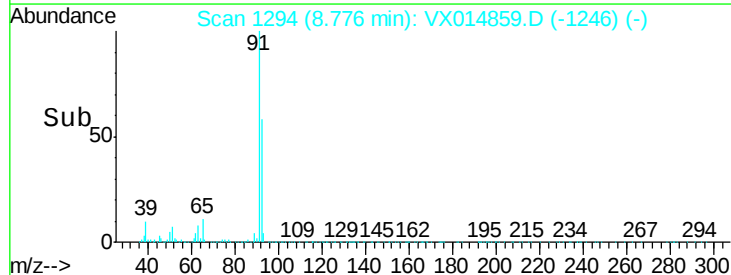
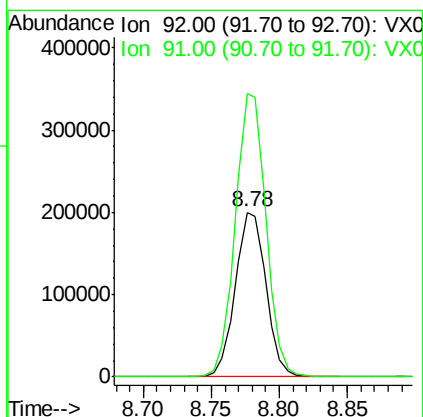
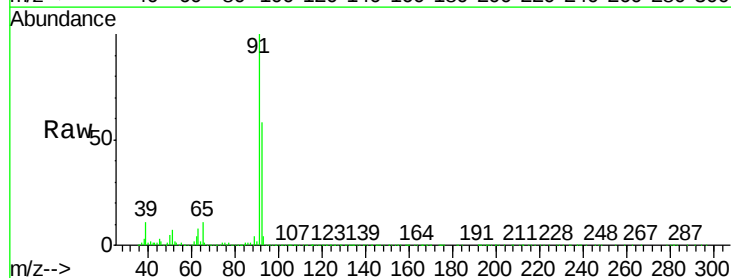
Acq: 06 Feb 2020 19:40

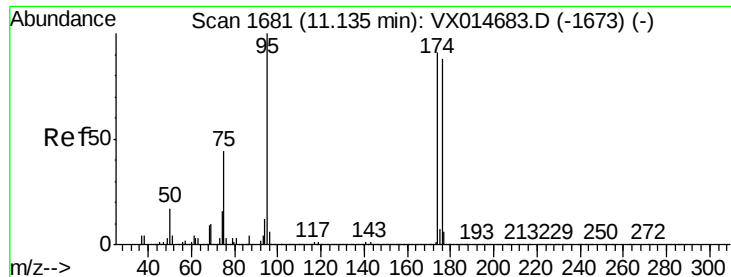
Tgt Ion: 92 Resp: 311900

Ion Ratio Lower Upper

92 100

91 173.4 135.9 203.9





#62

4-Bromofluorobenzene

Concen: 50.503 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014859.D

Acq: 06 Feb 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

COMP-1

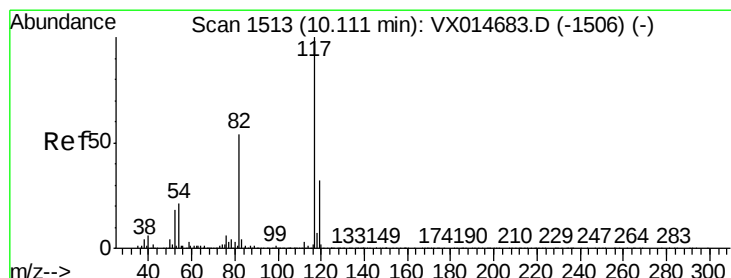
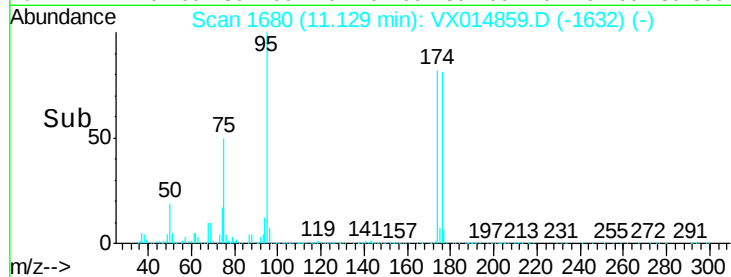
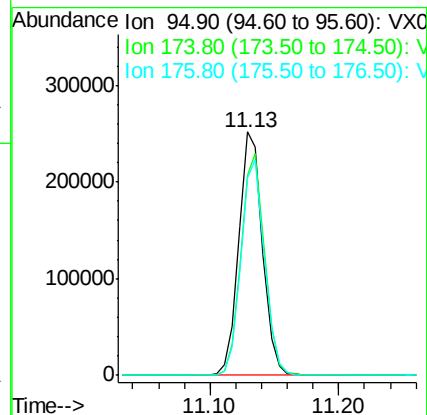
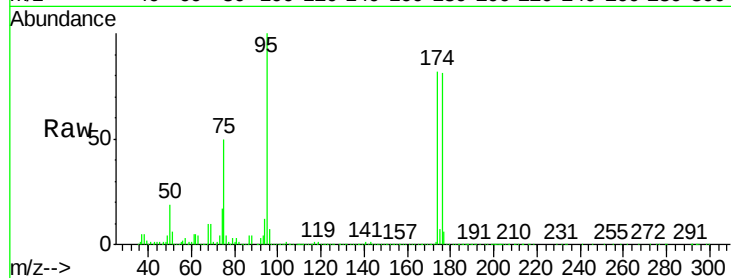
Tot Ion: 95 Resp: 322256

Ion Ratio Lower Upper

95 100

174 90.7 0.0 176.0

176 87.9 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: VX014859.D

Acq: 06 Feb 2020 19:40

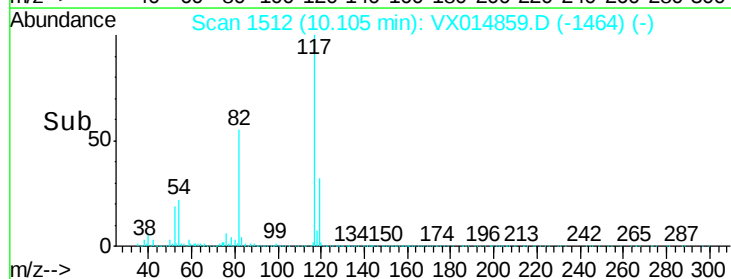
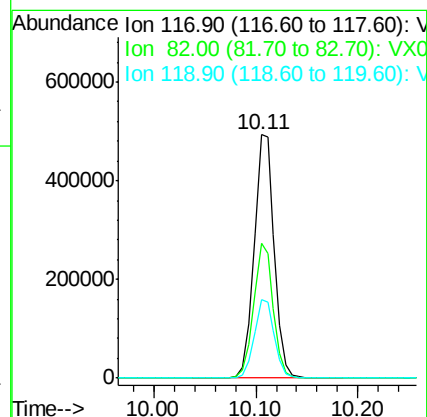
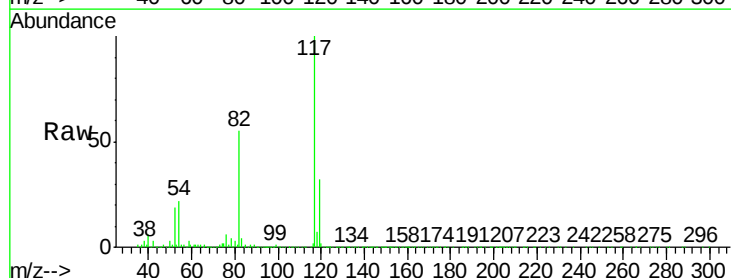
Tgt Ion: 117 Resp: 678568

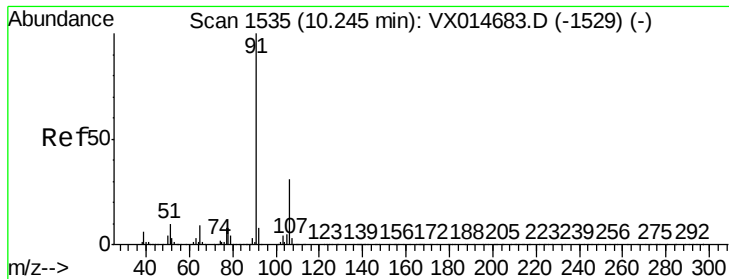
Ion Ratio Lower Upper

117 100

82 55.4 43.2 64.8

119 32.2 25.8 38.6





#67

Ethyl Benzene

Concen: 0.515 ug/l

RT: 10.25 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VX014859.D

Acq: 06 Feb 2020 19:40

Instrument :

MSVOA_X

ClientSampled :

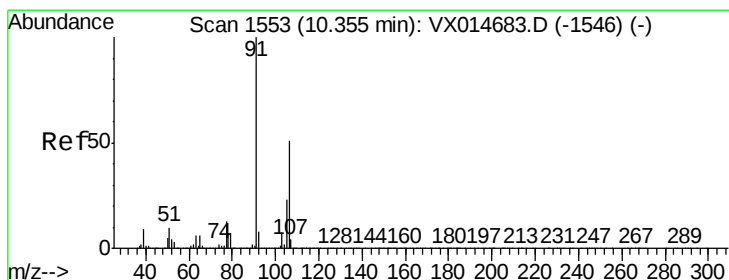
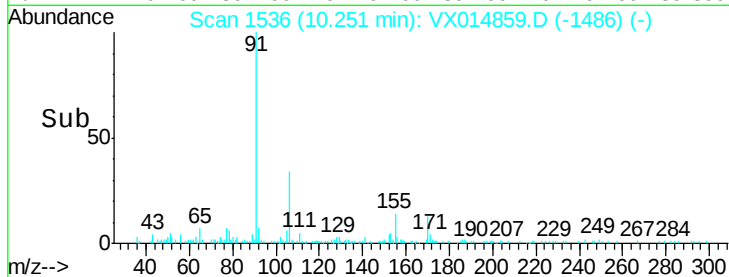
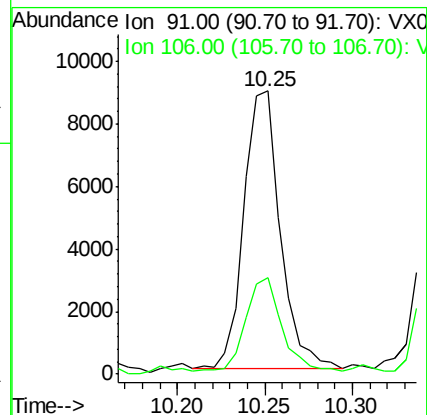
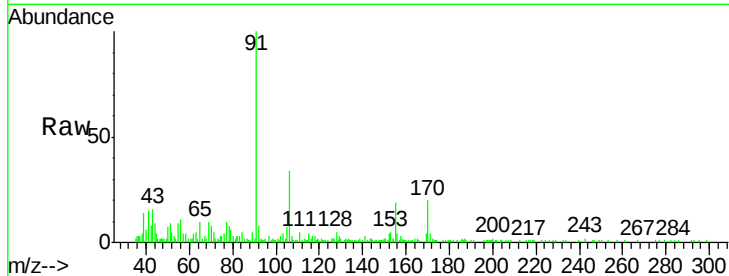
COMP-1

Tot Ion: 91 Resp: 12768

Ion Ratio Lower Upper

91 100

106 33.7 24.9 37.3



#68

m/p-Xylenes

Concen: 1.446 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014859.D

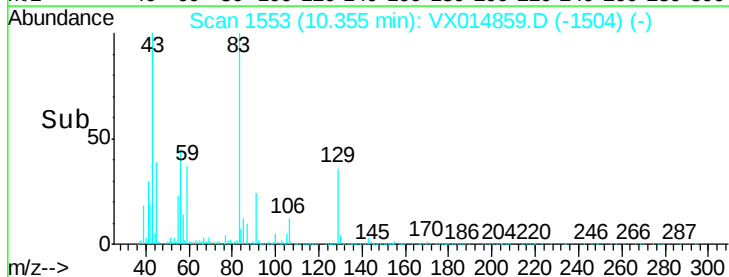
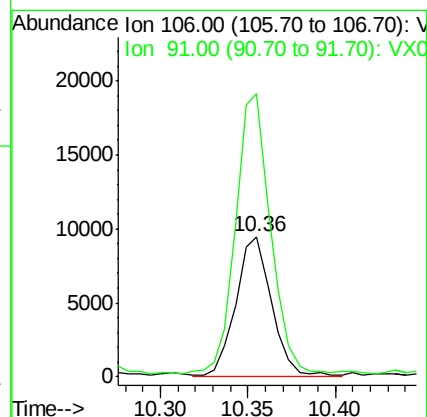
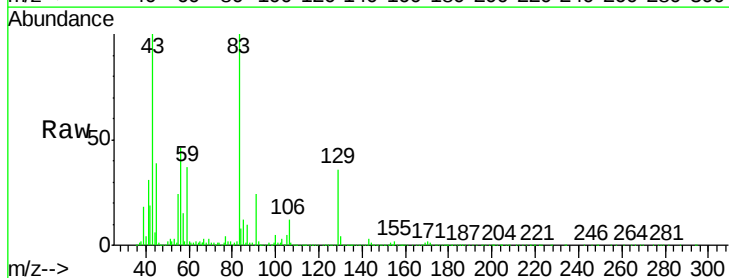
Acq: 06 Feb 2020 19:40

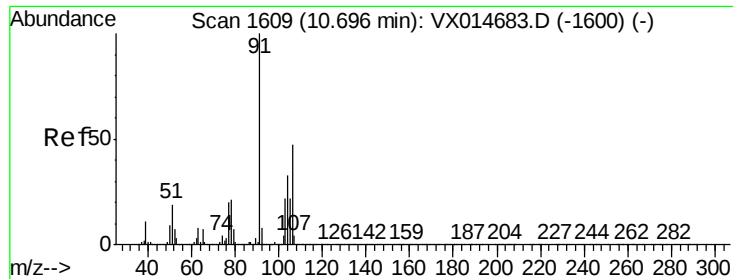
Tgt Ion: 106 Resp: 13581

Ion Ratio Lower Upper

106 100

91 193.0 159.4 239.2

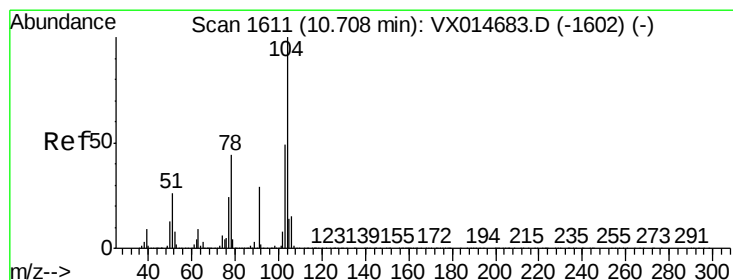
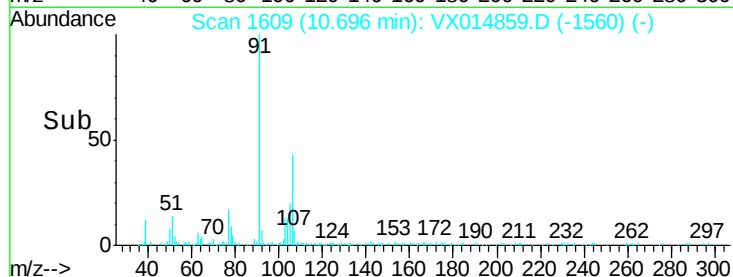
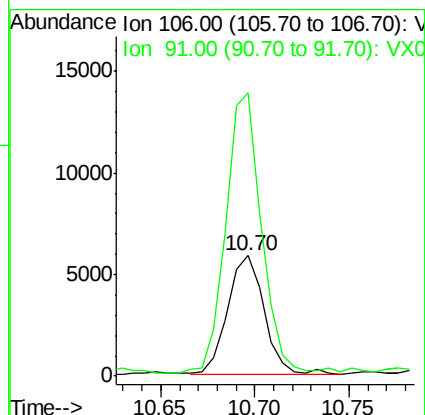
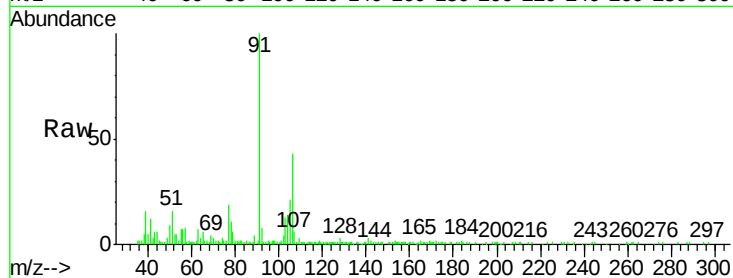




#69
o-Xylene
Concen: 0.867 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014859.D
Acq: 06 Feb 2020 19:40

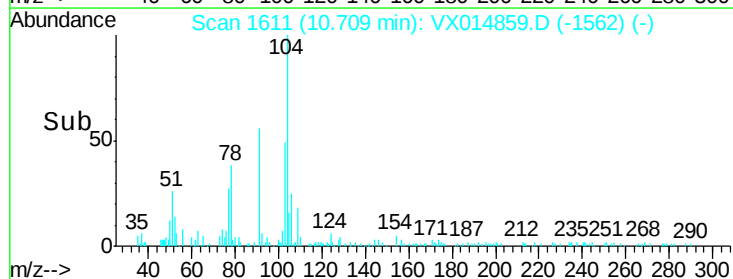
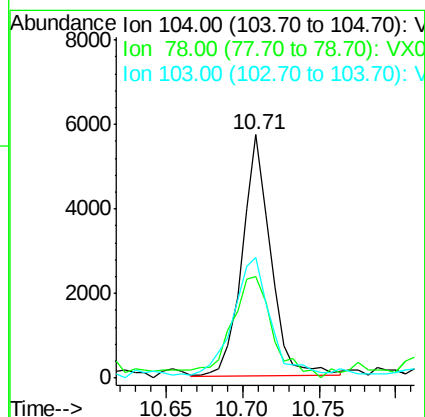
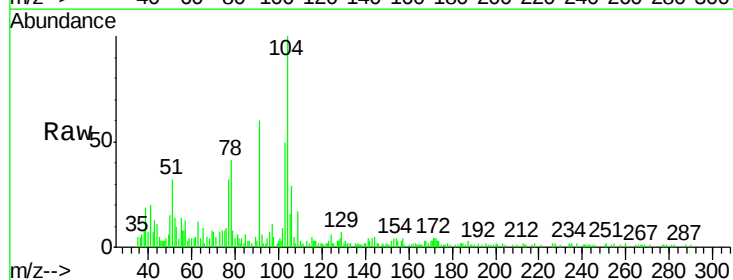
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

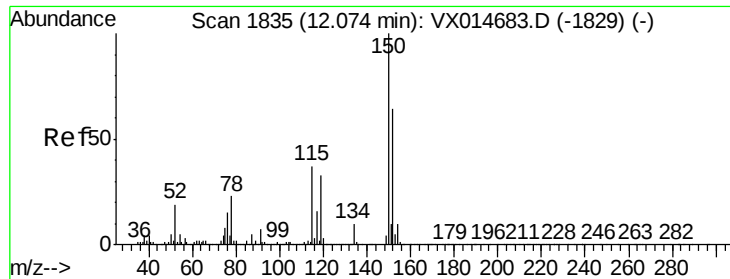
Tot Ion:106 Resp: 7854
Ion Ratio Lower Upper
106 100
91 230.1 106.2 318.6



#70
Styrene
Concen: 0.487 ug/l
RT: 10.71 min Scan# 1611
Delta R.T. 0.00 min
Lab File: VX014859.D
Acq: 06 Feb 2020 19:40

Tgt Ion:104 Resp: 7399
Ion Ratio Lower Upper
104 100
78 60.5 39.3 58.9#
103 62.1 43.5 65.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014859.D

Acq: 06 Feb 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

COMP-1

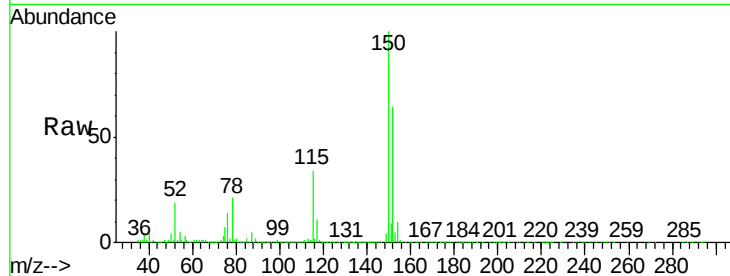
Tot Ion:152 Resp: 345002

Ion Ratio Lower Upper

152 100

115 54.8 39.4 118.1

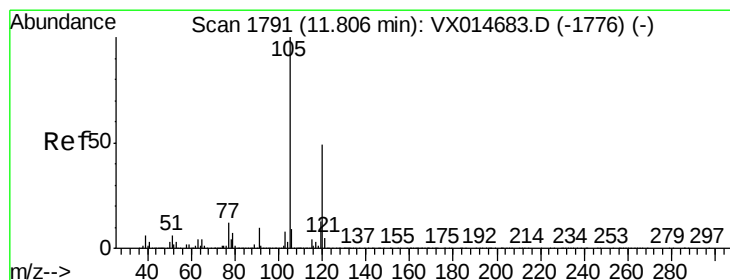
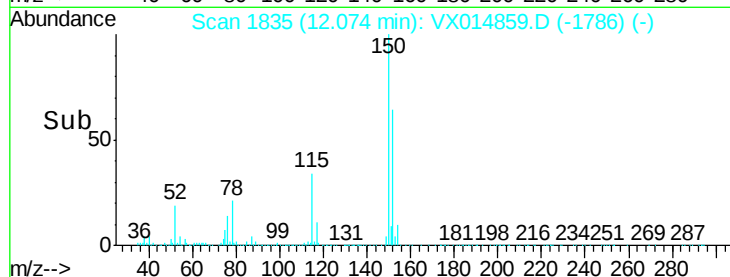
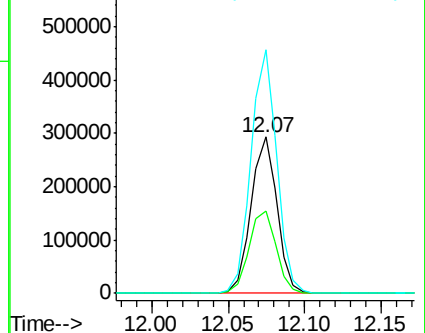
150 155.1 0.0 351.2



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



#84

1,2,4-Trimethylbenzene

Concen: 0.564 ug/l

RT: 11.80 min Scan# 1790

Delta R.T. -0.01 min

Lab File: VX014859.D

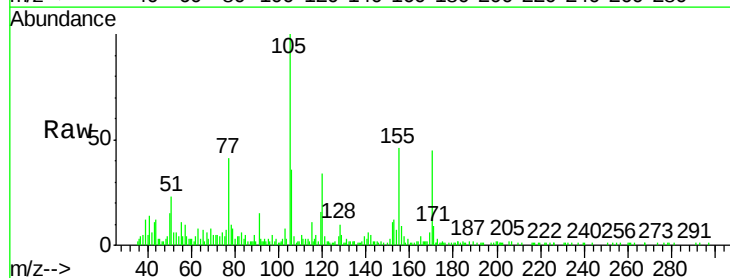
Acq: 06 Feb 2020 19:40

Tgt Ion:105 Resp: 11386

Ion Ratio Lower Upper

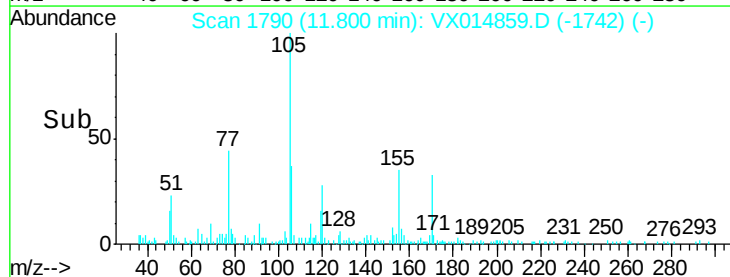
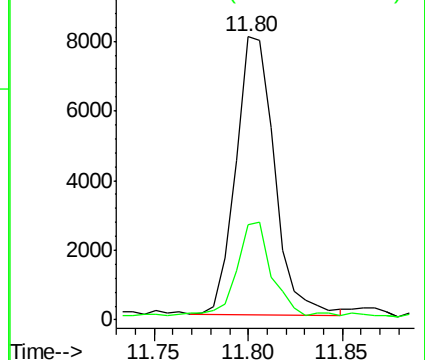
105 100

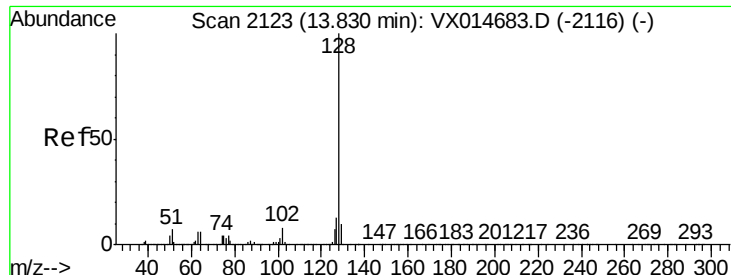
120 29.9 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 1.711 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014859.D

Acq: 06 Feb 2020 19:40

Instrument :

MSVOA_X

ClientSampleId :

COMP-1

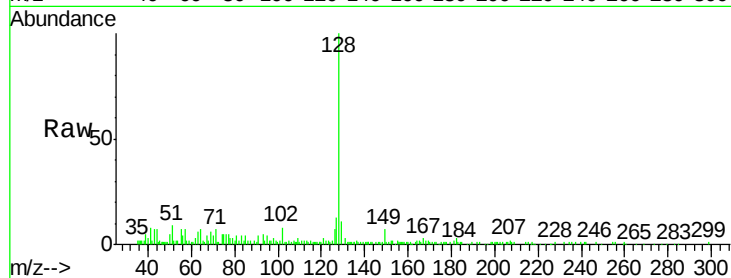
Tot Ion:128 Resp: 19214

Ion Ratio Lower Upper

128 100

127 11.3 10.3 15.5

129 13.4 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

