

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040620\
 Data File : VX015512.D
 Acq On : 06 Apr 2020 15:03
 Operator : JC/SP
 Sample : L2097-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-1

Quant Time: Apr 07 06:38:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1155196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1829759	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1789955	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	993265	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	763056	46.83	ug/l	0.00
Spiked Amount			Recovery	=	93.66%	
35) Dibromofluoromethane	5.47	113	585021	50.02	ug/l	0.00
Spiked Amount			Recovery	=	100.04%	
50) Toluene-d8	8.70	98	2213997	51.41	ug/l	0.00
Spiked Amount			Recovery	=	102.82%	
62) 4-Bromofluorobenzene	11.12	95	995180	56.86	ug/l	0.00
Spiked Amount			Recovery	=	113.72%	

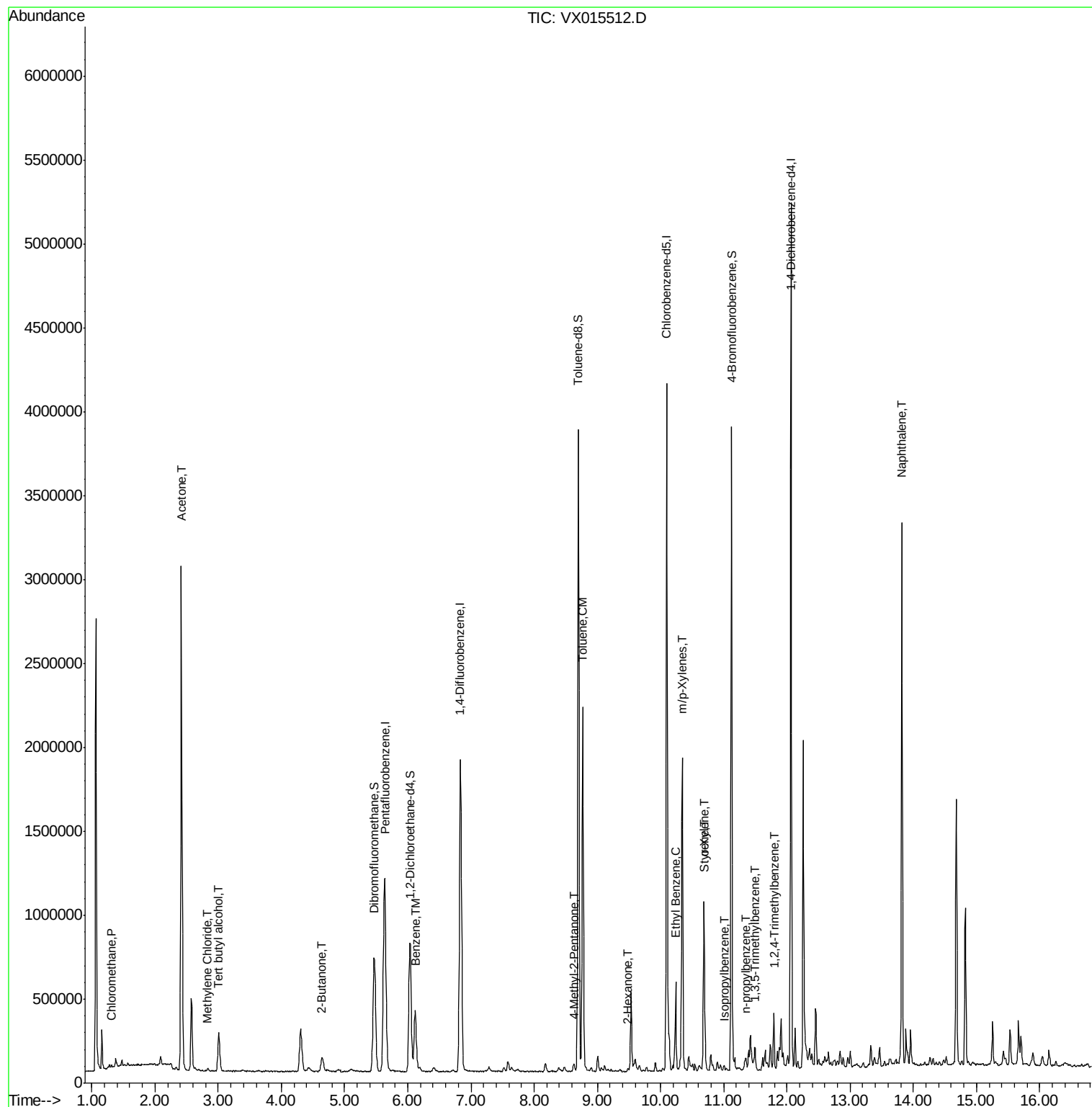
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	6362	0.491	ug/l	92
11) Tert butyl alcohol	3.01	59	280239	71.860	ug/l	99
16) Acetone	2.42	43	3128704	446.973	ug/l	99
20) Methylene Chloride	2.84	84	7898	0.604	ug/l #	81
25) 2-Butanone	4.64	43	138051	12.263	ug/l	98
40) Benzene	6.12	78	419254	8.489	ug/l	96
51) 4-Methyl-2-Pentanone	8.62	43	19150	0.912	ug/l	98
52) Toluene	8.77	92	816563	26.819	ug/l	99
59) 2-Hexanone	9.48	43	6872	0.433	ug/l	92
67) Ethyl Benzene	10.24	91	312377	4.934	ug/l	98
68) m/p-Xylenes	10.34	106	408533	17.329	ug/l	96
69) o-Xylene	10.68	106	197141	8.462	ug/l	98
70) Styrene	10.70	104	128843	3.143	ug/l #	83
73) Isopropylbenzene	11.01	105	18605	0.286	ug/l	99
78) n-propylbenzene	11.34	91	34510	0.464	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	58669	1.056	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	139976	2.471	ug/l	97
95) Naphthalene	13.82	128	1793558	24.442	ug/l	100

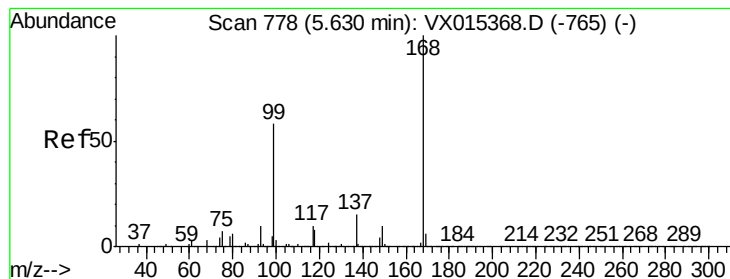
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015512.D

Acq: 06 Apr 2020 15:03

Instrument :

MSVOA_X

ClientSampleId :

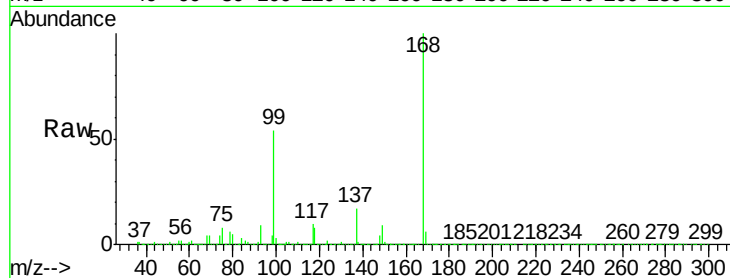
COMP-1

Tot Ion:168 Resp: 1155196

Ion Ratio Lower Upper

168 100

99 53.9 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

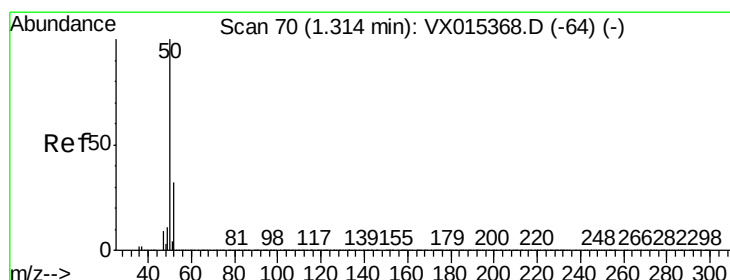
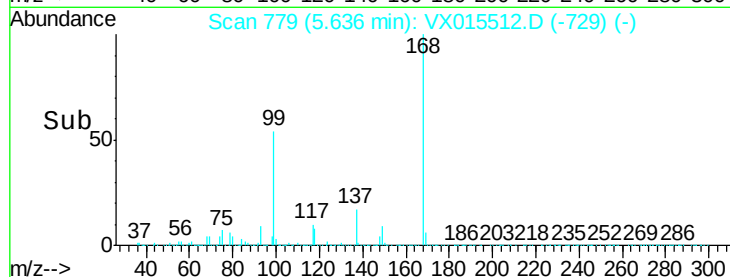
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.491 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015512.D

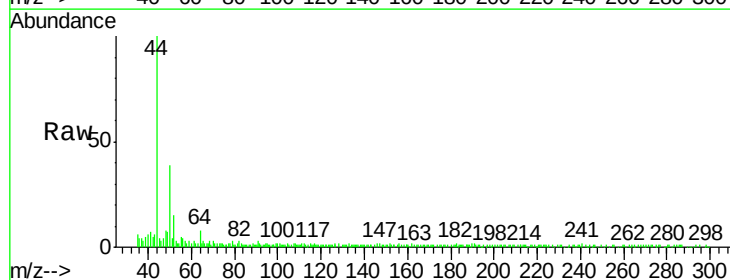
Acq: 06 Apr 2020 15:03

Tgt Ion: 50 Resp: 6362

Ion Ratio Lower Upper

50 100

52 36.0 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

8000

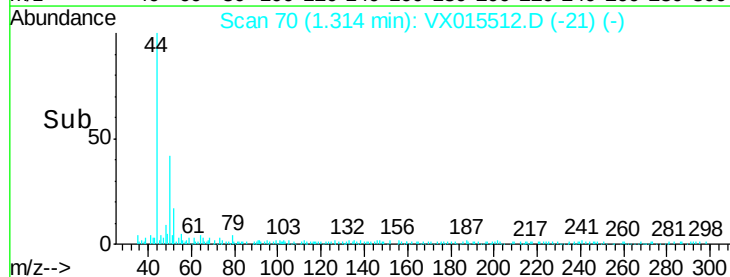
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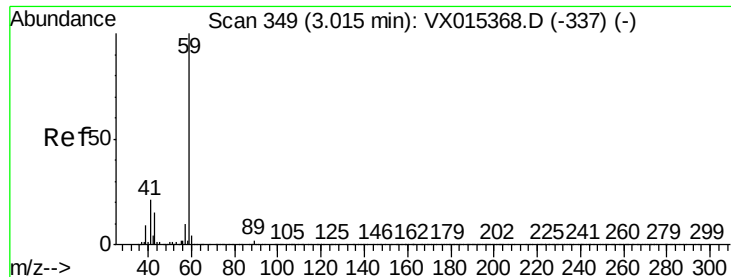
4000

2000

0

Time-->



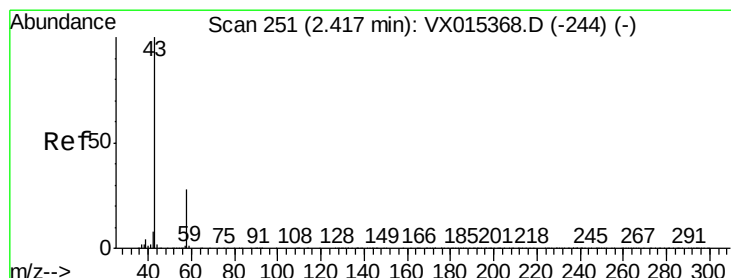
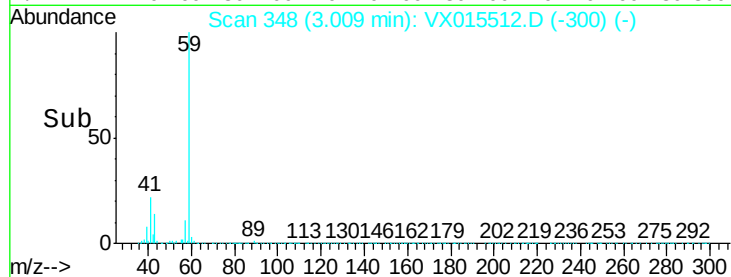
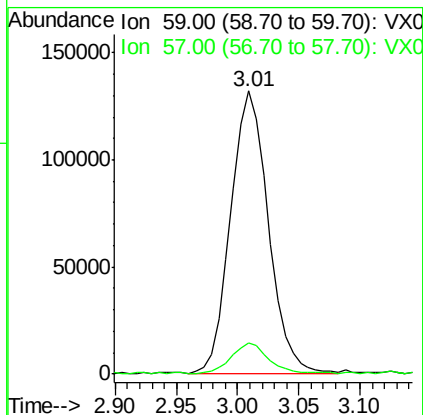
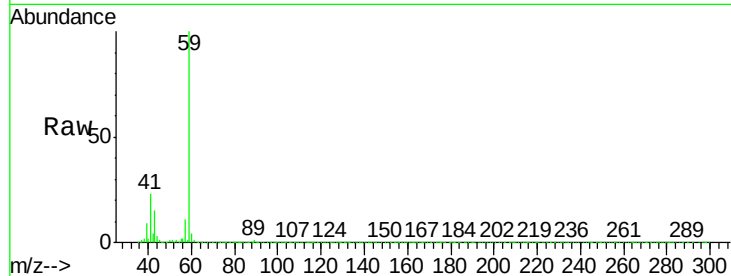


#11

Tert butyl alcohol
 Concen: 71.860 ug/l
 RT: 3.01 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VX015512.D
 Acq: 06 Apr 2020 15:03

Instrument :
 MSVOA_X
 ClientSampled :
 COMP-1

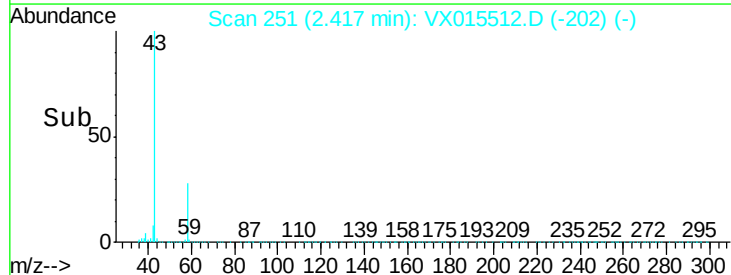
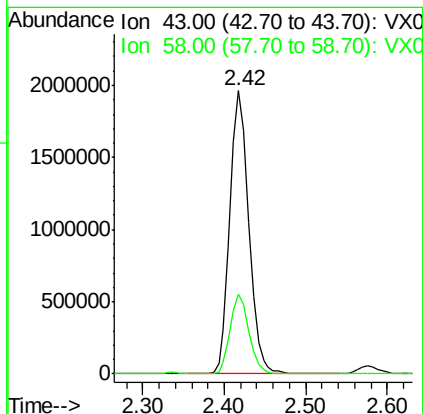
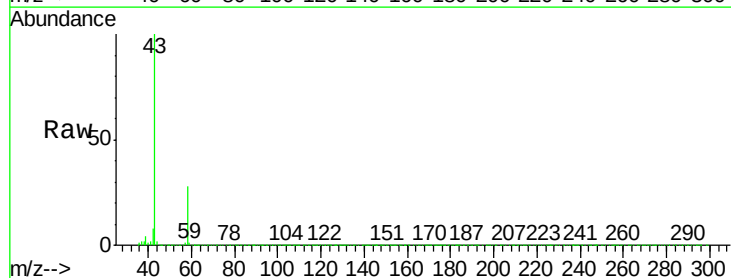
Tot Ion: 59 Resp: 280239
 Ion Ratio Lower Upper
 59 100
 57 10.4 8.1 12.1

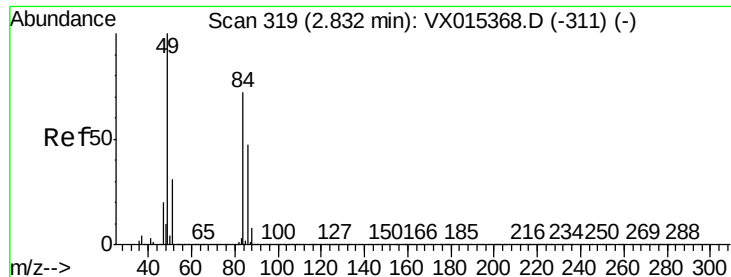


#16

Acetone
 Concen: 446.973 ug/l
 RT: 2.42 min Scan# 251
 Delta R.T. 0.00 min
 Lab File: VX015512.D
 Acq: 06 Apr 2020 15:03

Tgt Ion: 43 Resp: 3128704
 Ion Ratio Lower Upper
 43 100
 58 28.0 22.1 33.1

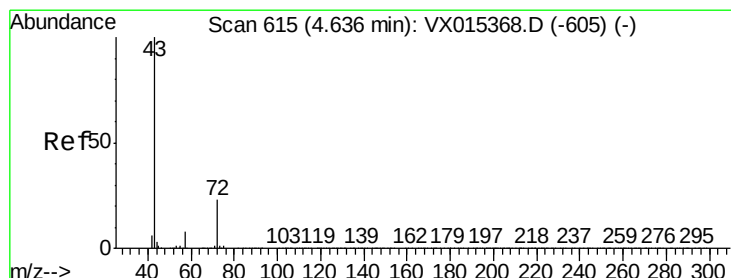
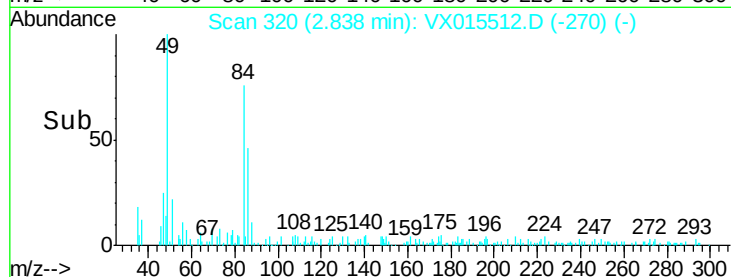
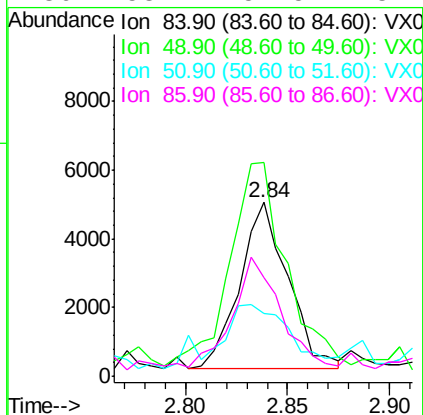
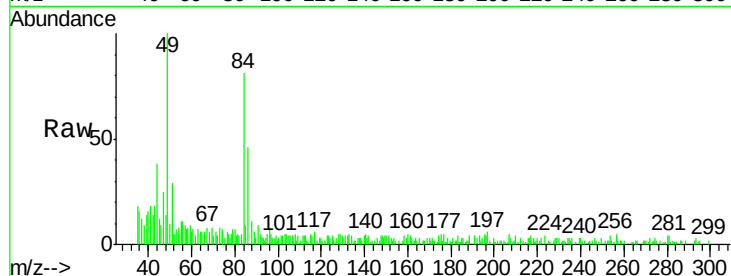




#20
Methylene Chloride
Concen: 0.604 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015512.D
Acq: 06 Apr 2020 15:03

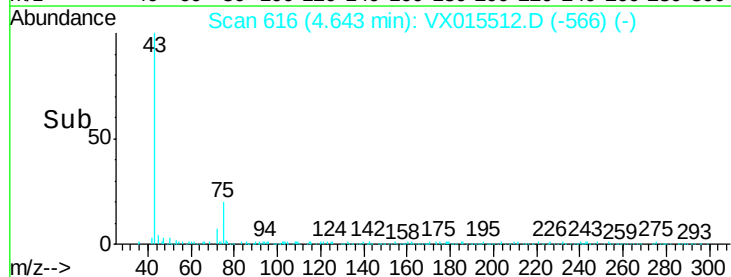
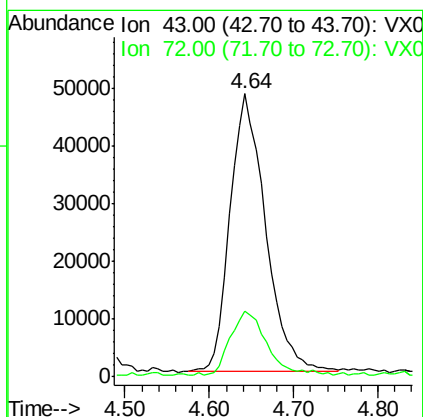
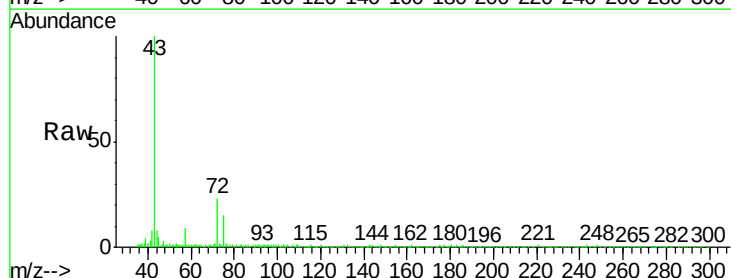
Instrument :
MSVOA_X
ClientSampled :
COMP-1

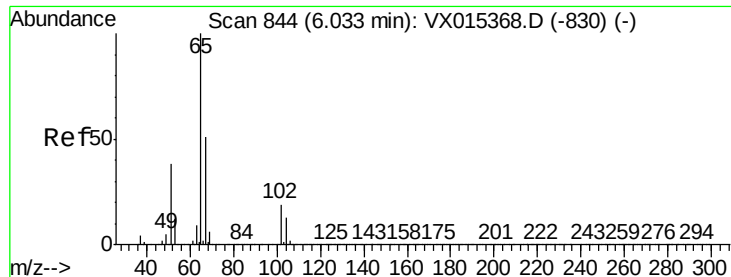
Tot Ion: 84 Resp: 7898
Ion Ratio Lower Upper
84 100
49 117.2 111.3 166.9
51 25.6 34.0 51.0#
86 53.7 52.5 78.7



#25
2-Butanone
Concen: 12.263 ug/l
RT: 4.64 min Scan# 616
Delta R.T. 0.01 min
Lab File: VX015512.D
Acq: 06 Apr 2020 15:03

Tgt Ion: 43 Resp: 138051
Ion Ratio Lower Upper
43 100
72 22.8 19.0 28.4

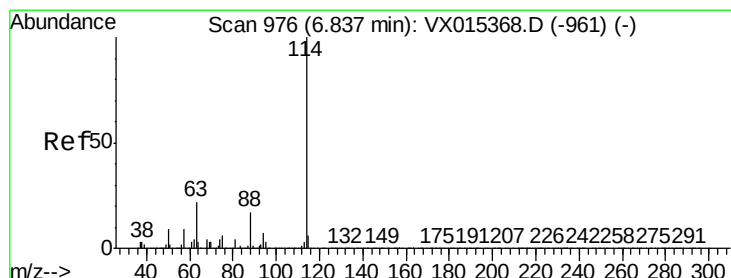
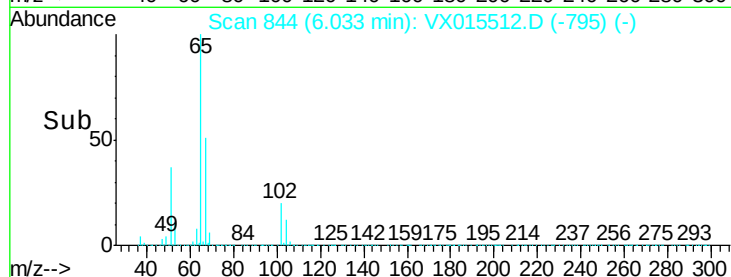
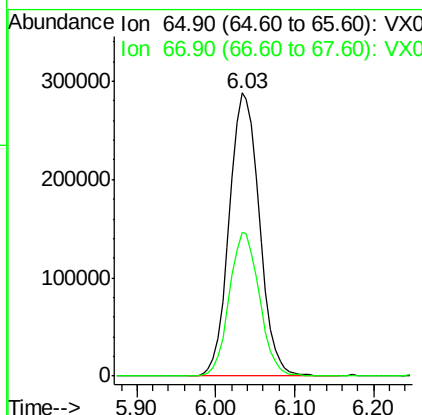
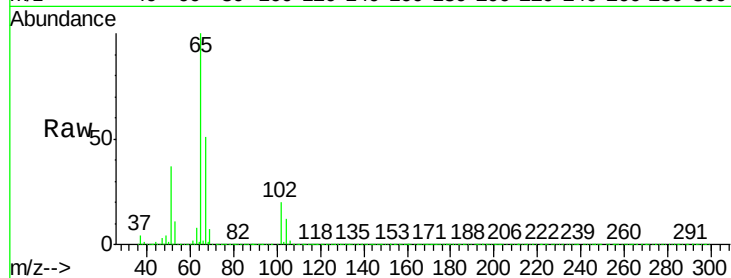




#33
 1,2-Dichloroethane-d4
 Concen: 46.834 ug/l
 RT: 6.03 min Scan# 844
 Delta R.T. 0.00 min
 Lab File: VX015512.D
 Acq: 06 Apr 2020 15:03

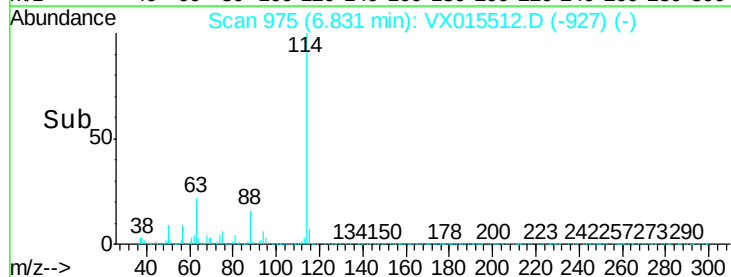
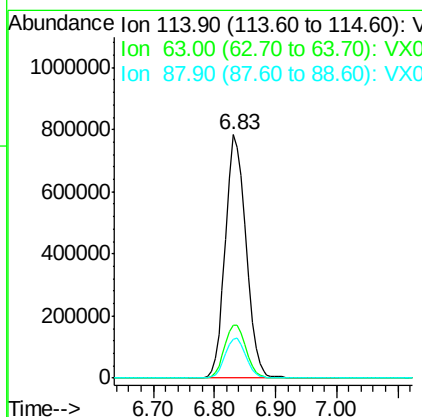
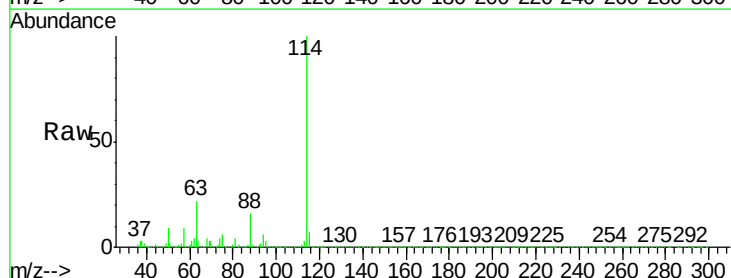
Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-1

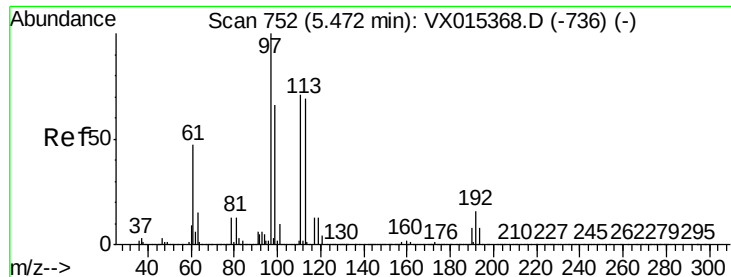
Tot Ion: 65 Resp: 763056
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 975
 Delta R.T. -0.01 min
 Lab File: VX015512.D
 Acq: 06 Apr 2020 15:03

Tgt Ion: 114 Resp: 1829759
 Ion Ratio Lower Upper
 114 100
 63 21.9 0.0 44.2
 88 15.7 0.0 33.8

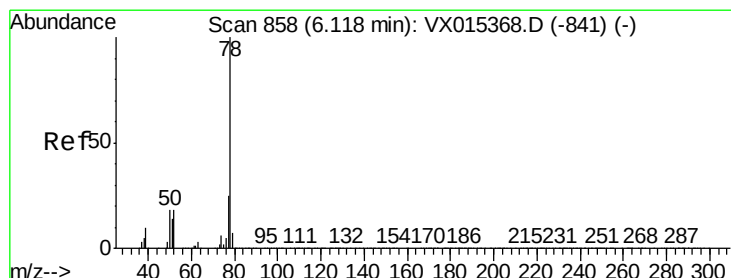
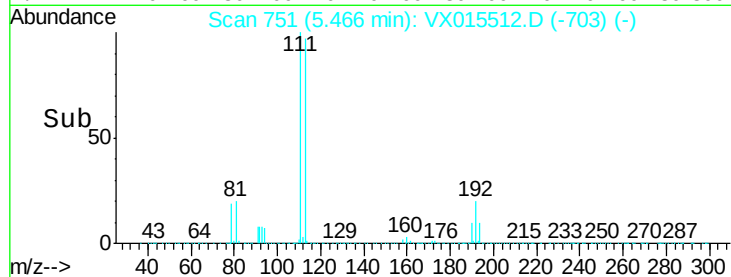
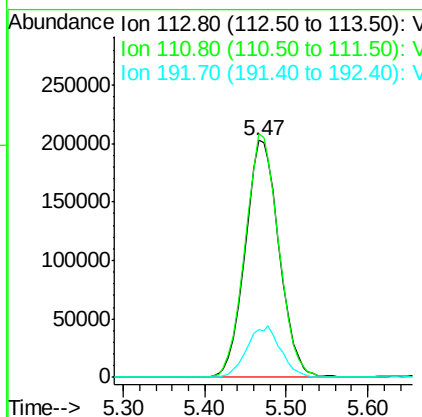
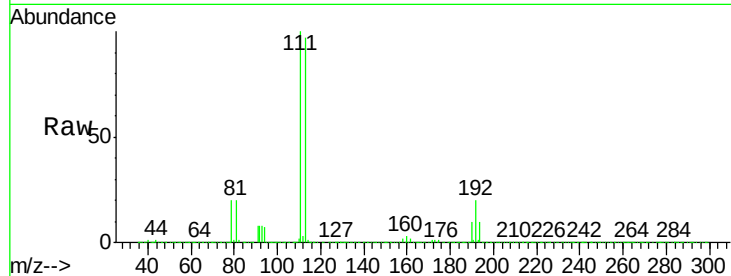




#35
 Dibromofluoromethane
 Concen: 50.018 ug/l
 RT: 5.47 min Scan# 751
 Delta R.T. -0.01 min
 Lab File: VX015512.D
 Acq: 06 Apr 2020 15:03

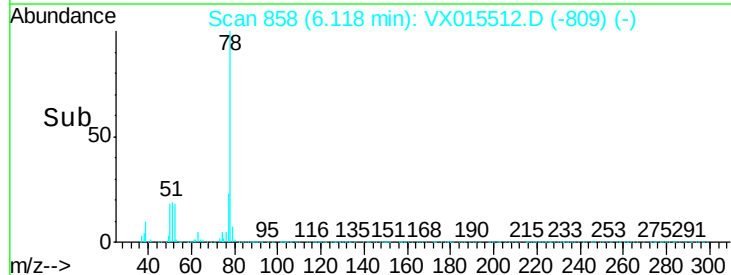
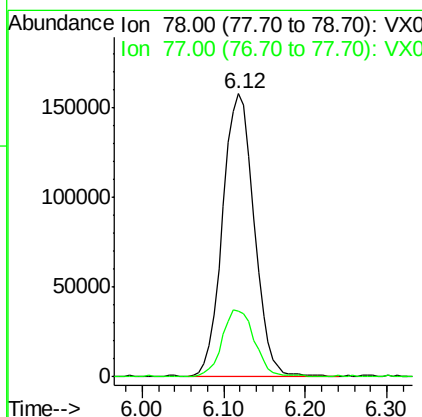
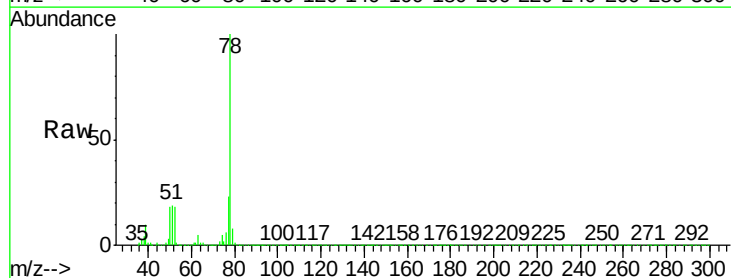
Instrument :
 MSVOA_X
 ClientSampled :
 COMP-1

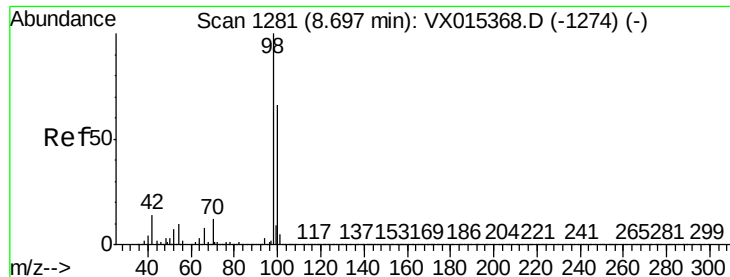
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.5	122.3
192	21.8	17.8	26.6



#40
 Benzene
 Concen: 8.489 ug/l
 RT: 6.12 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VX015512.D
 Acq: 06 Apr 2020 15:03

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.8	29.8

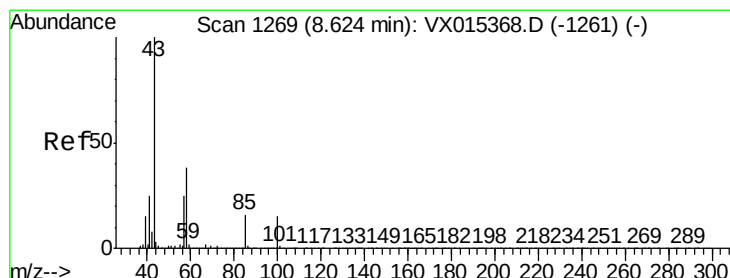
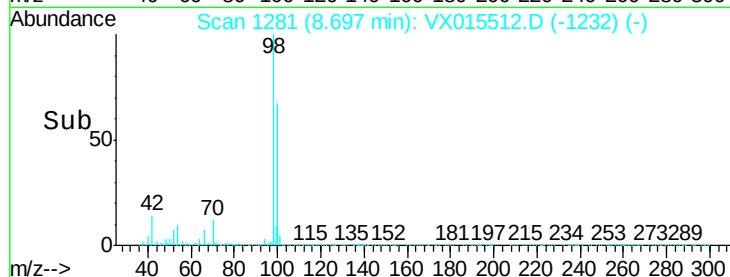
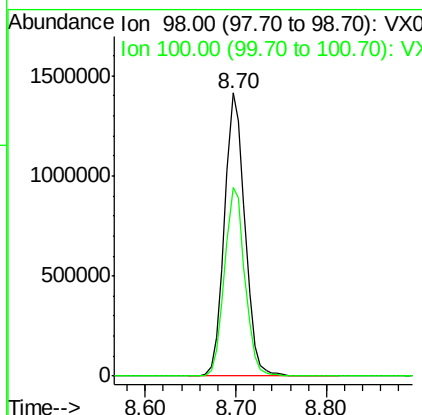
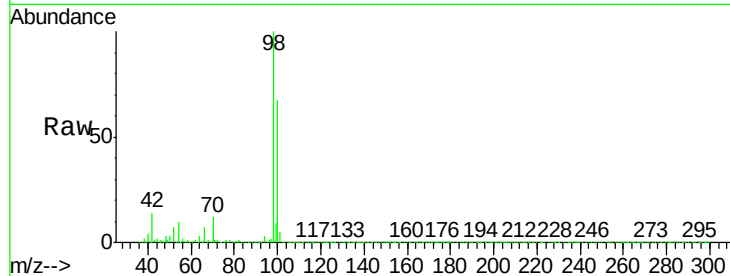




#50
Toluene-d8
Concen: 51.413 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015512.D
Acq: 06 Apr 2020 15:03

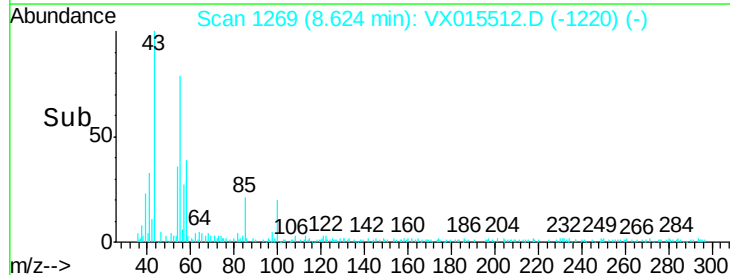
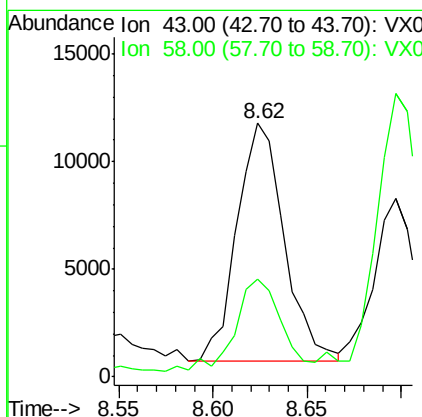
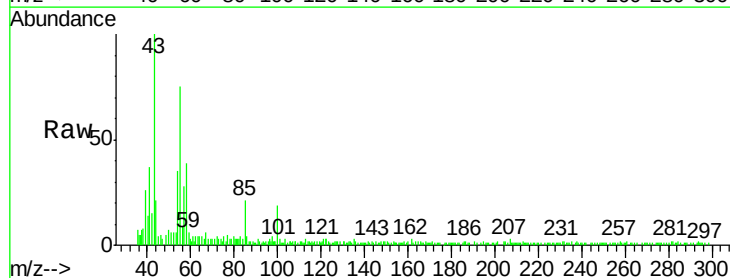
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

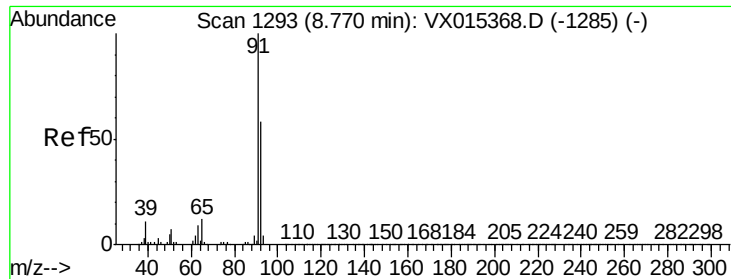
Tot Ion: 98 Resp: 2213997
Ion Ratio Lower Upper
98 100
100 66.6 53.5 80.3



#51
4-Methyl-2-Pentanone
Concen: 0.912 ug/l
RT: 8.62 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VX015512.D
Acq: 06 Apr 2020 15:03

Tgt Ion: 43 Resp: 19150
Ion Ratio Lower Upper
43 100
58 38.1 29.7 44.5





#52

Toluene

Concen: 26.819 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX015512.D

Acq: 06 Apr 2020 15:03

Instrument :

MSVOA_X

ClientSampleId :

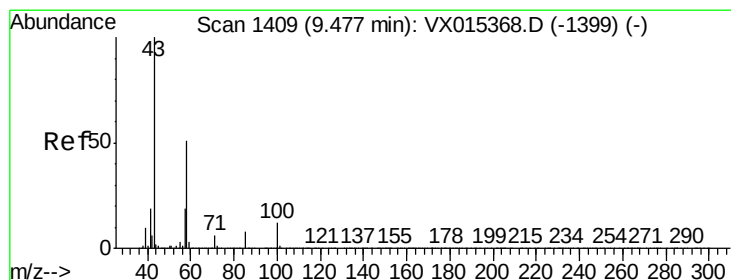
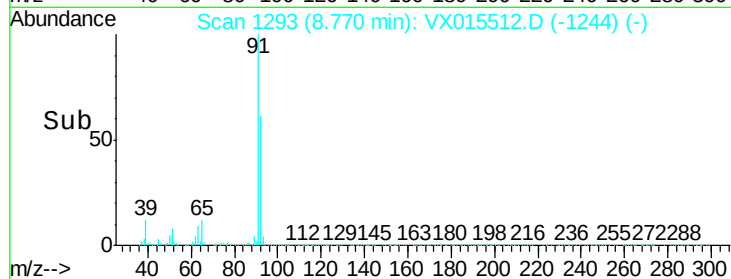
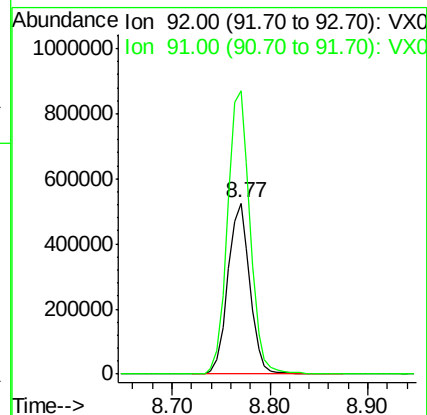
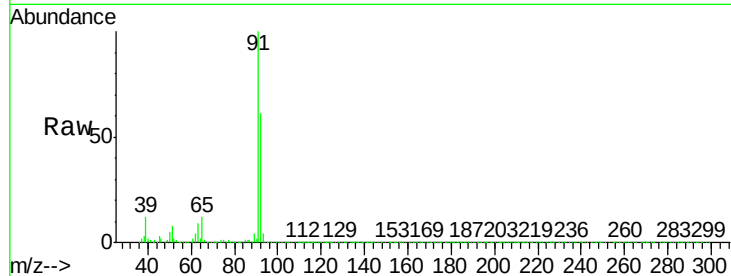
COMP-1

Tot Ion: 92 Resp: 816563

Ion Ratio Lower Upper

92 100

91 169.6 136.6 205.0



#59

2-Hexanone

Concen: 0.433 ug/l

RT: 9.48 min Scan# 1410

Delta R.T. 0.01 min

Lab File: VX015512.D

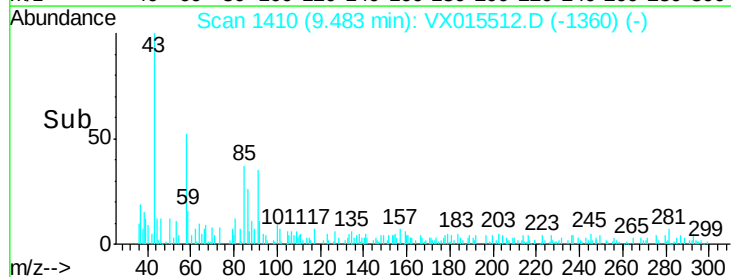
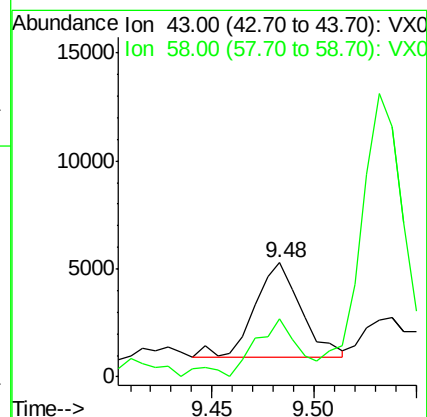
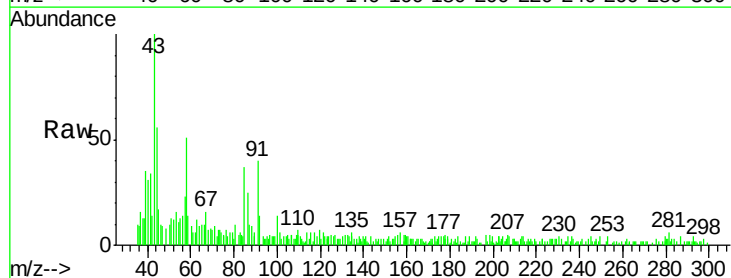
Acq: 06 Apr 2020 15:03

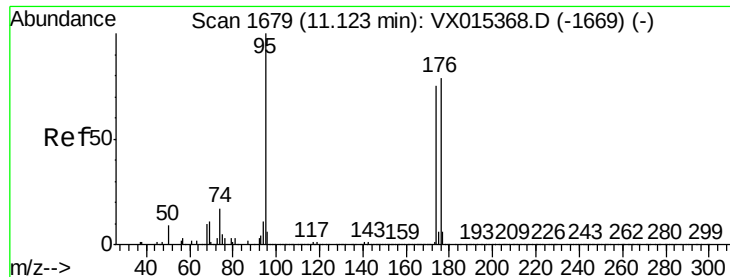
Tgt Ion: 43 Resp: 6872

Ion Ratio Lower Upper

43 100

58 56.6 25.6 76.6





#62

4-Bromofluorobenzene

Concen: 56.865 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015512.D

Acq: 06 Apr 2020 15:03

Instrument :

MSVOA_X

ClientSampled :

COMP-1

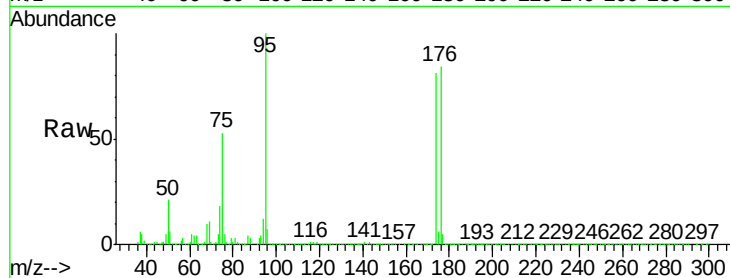
Tot Ion: 95 Resp: 995180

Ion Ratio Lower Upper

95 100

174 79.4 0.0 158.6

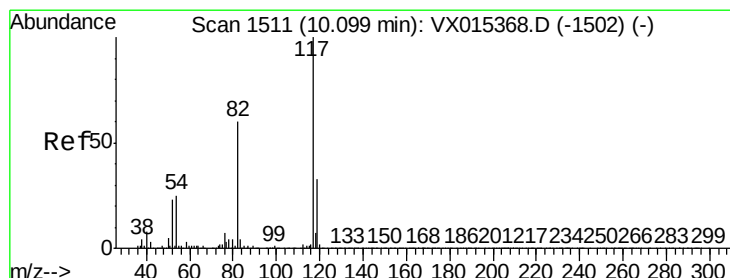
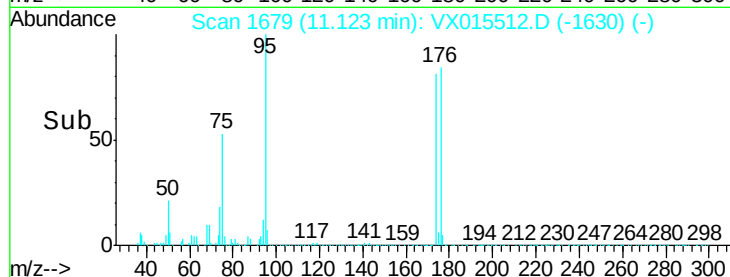
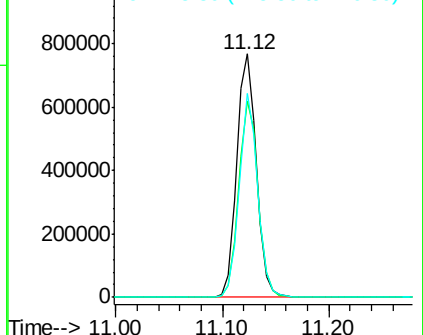
176 78.9 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015512.D

Acq: 06 Apr 2020 15:03

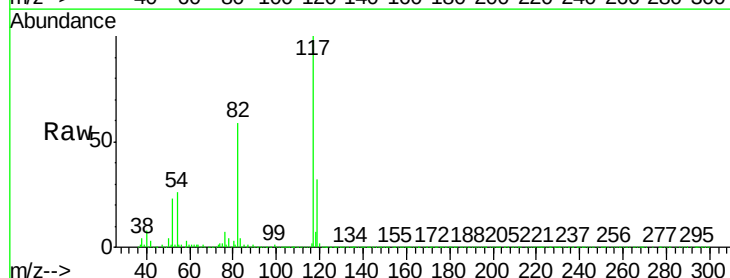
Tgt Ion: 117 Resp: 1789955

Ion Ratio Lower Upper

117 100

82 58.9 47.8 71.8

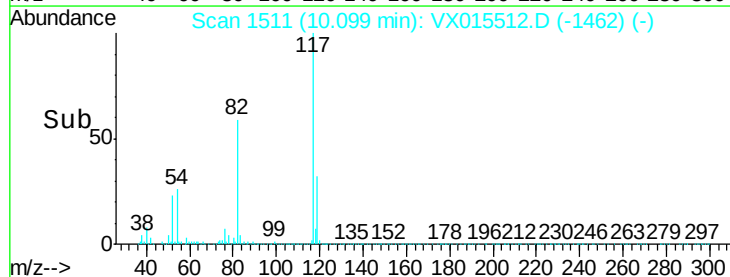
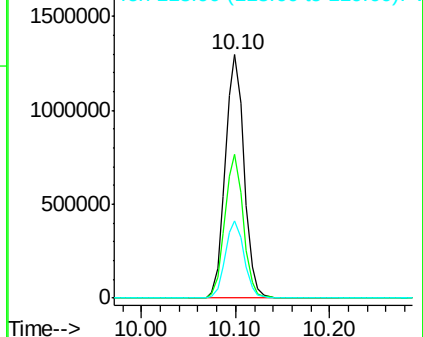
119 31.6 26.8 40.2

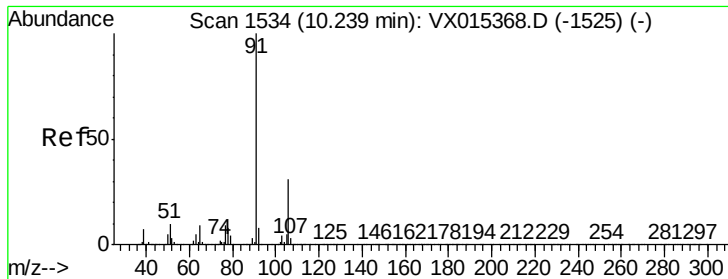


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

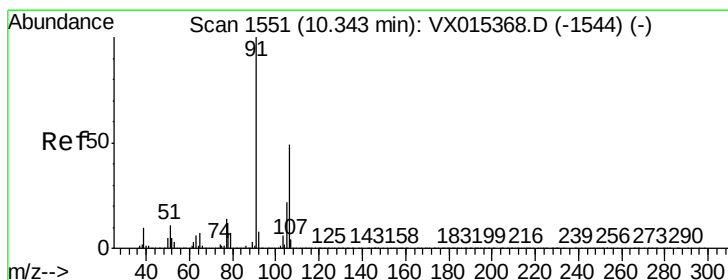
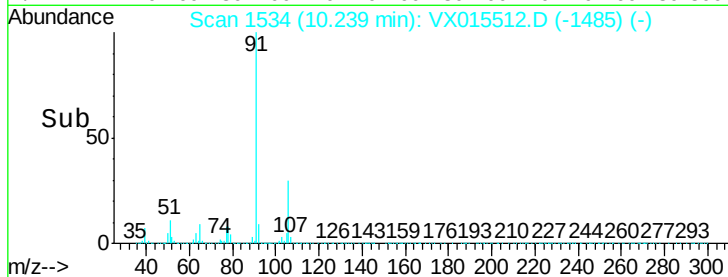
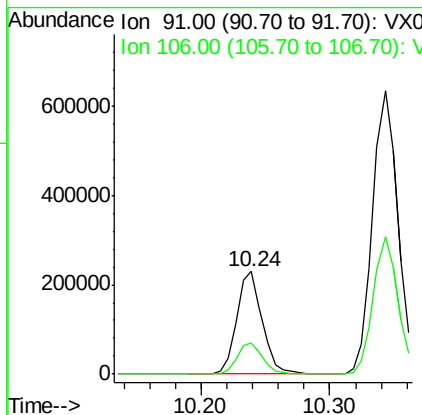
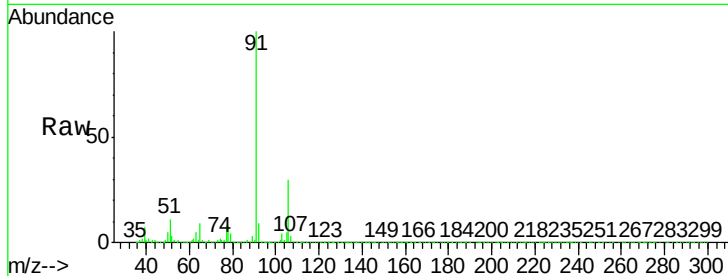




#67
Ethyl Benzene
Concen: 4.934 ug/l
RT: 10.24 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VX015512.D
Acq: 06 Apr 2020 15:03

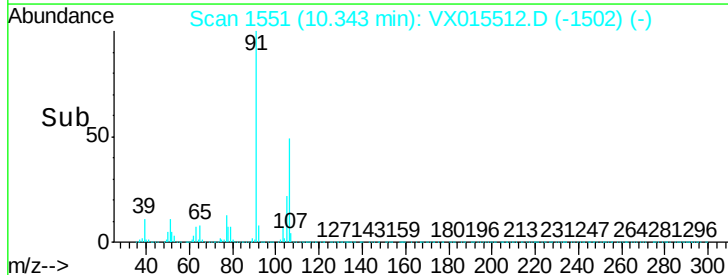
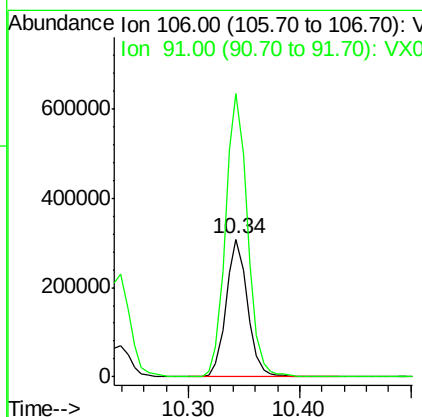
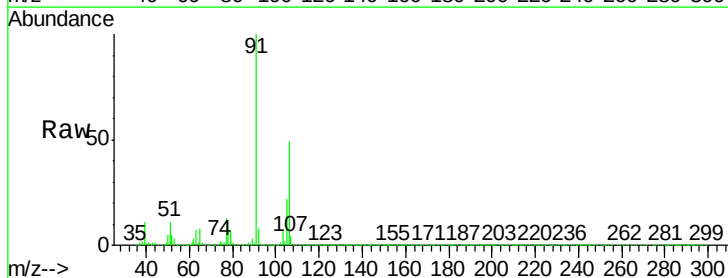
Instrument :
MSVOA_X
ClientSampled :
COMP-1

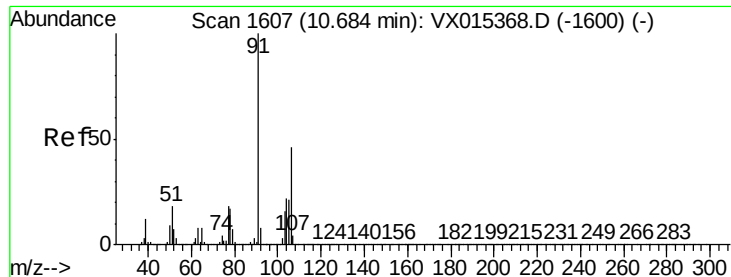
Tot Ion: 91 Resp: 312377
Ion Ratio Lower Upper
91 100
106 29.7 24.8 37.2



#68
m/p-Xylenes
Concen: 17.329 ug/l
RT: 10.34 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VX015512.D
Acq: 06 Apr 2020 15:03

Tgt Ion: 106 Resp: 408533
Ion Ratio Lower Upper
106 100
91 210.8 163.4 245.0

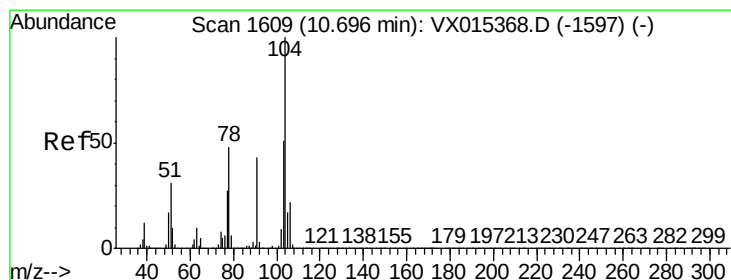
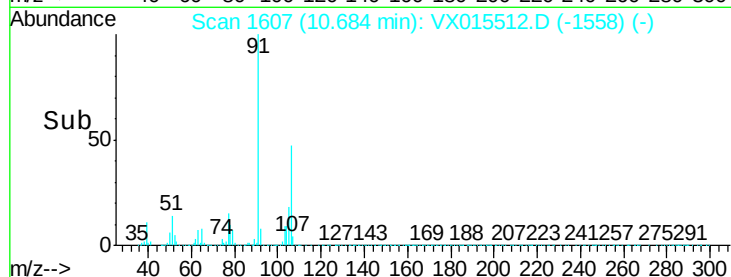
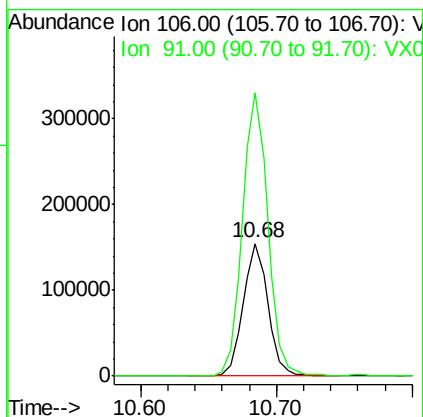
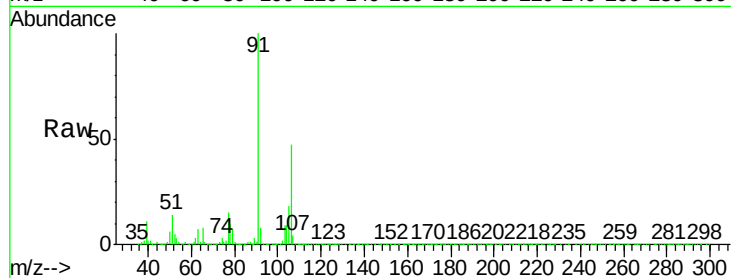




#69
o-Xylene
Concen: 8.462 ug/l
RT: 10.68 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VX015512.D
Acq: 06 Apr 2020 15:03

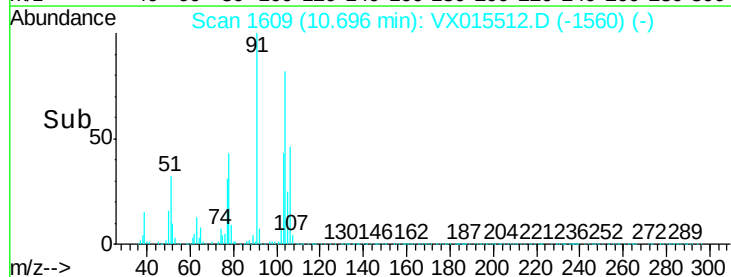
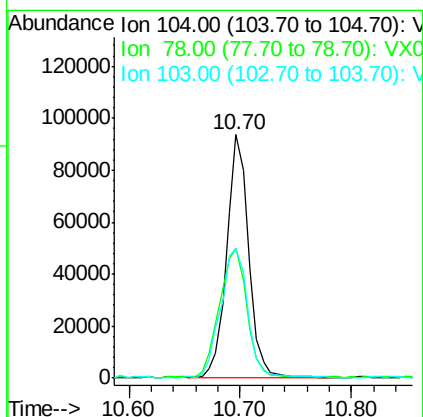
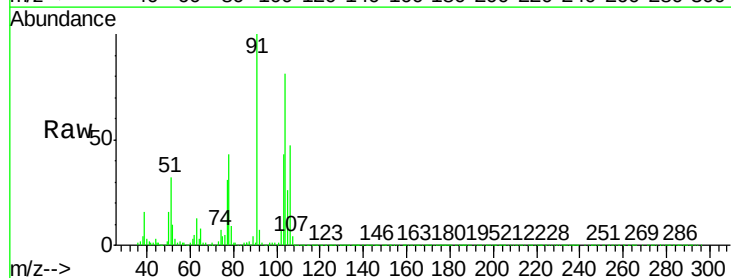
Instrument :
MSVOA_X
ClientSampleId :
COMP-1

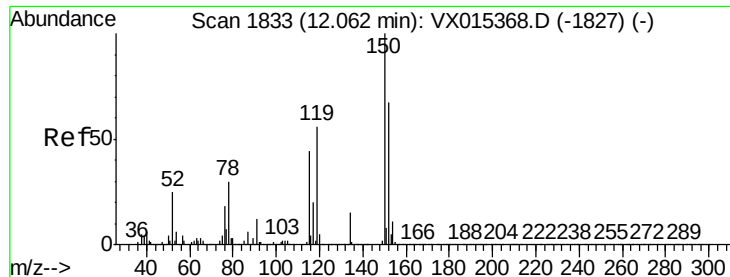
Tot Ion:106 Resp: 197141
Ion Ratio Lower Upper
106 100
91 217.7 107.1 321.3



#70
Styrene
Concen: 3.143 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX015512.D
Acq: 06 Apr 2020 15:03

Tgt Ion:104 Resp: 128843
Ion Ratio Lower Upper
104 100
78 65.9 42.0 63.0#
103 64.8 43.4 65.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015512.D

Acq: 06 Apr 2020 15:03

Instrument :

MSVOA_X

ClientSampleId :

COMP-1

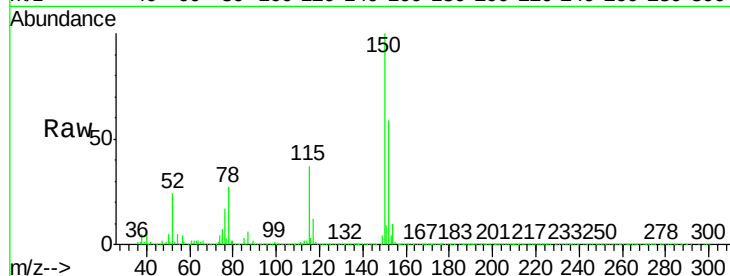
Tot Ion:152 Resp: 993265

Ion Ratio Lower Upper

152 100

115 59.5 39.0 116.9

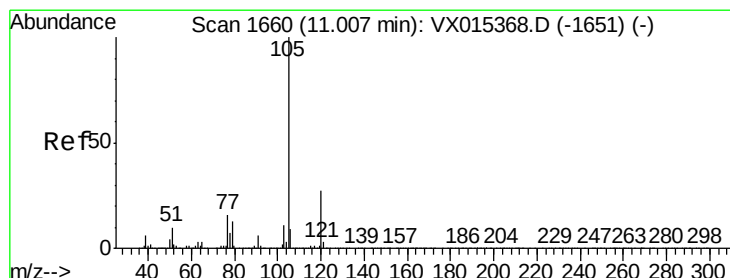
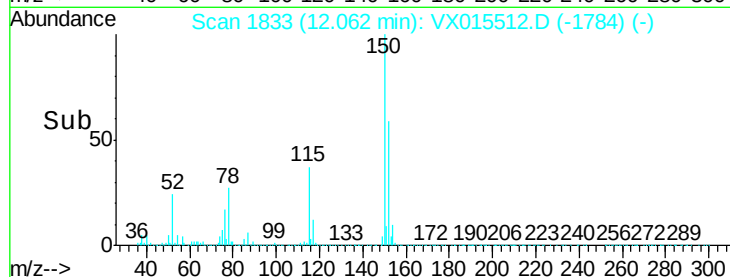
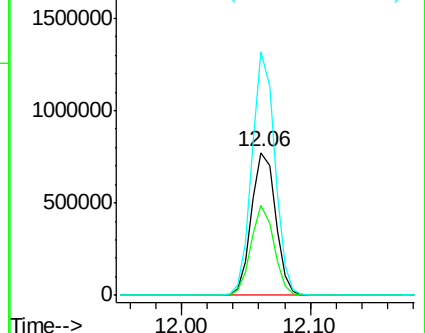
150 161.5 0.0 340.8



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: 0.286 ug/l

RT: 11.01 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VX015512.D

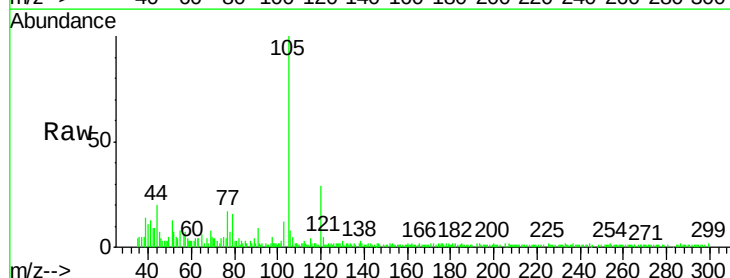
Acq: 06 Apr 2020 15:03

Tgt Ion:105 Resp: 18605

Ion Ratio Lower Upper

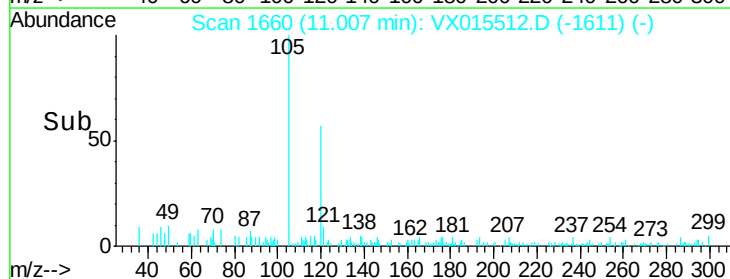
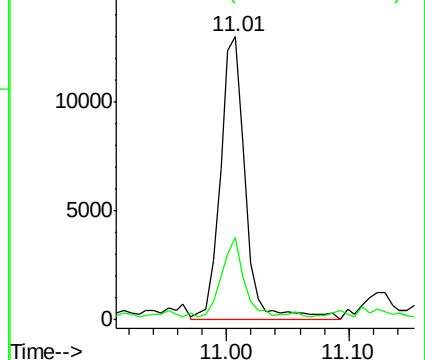
105 100

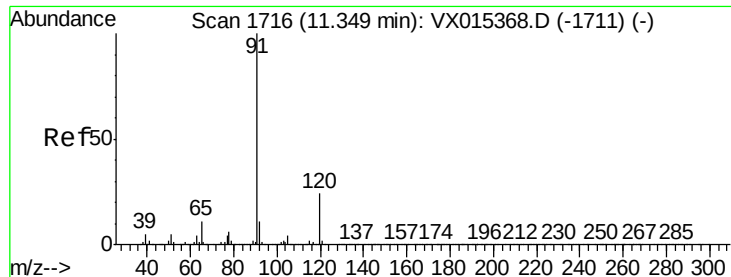
120 25.5 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.464 ug/l

RT: 11.34 min Scan# 1715

Delta R.T. -0.01 min

Lab File: VX015512.D

Acq: 06 Apr 2020 15:03

Instrument :

MSVOA_X

ClientSampleId :

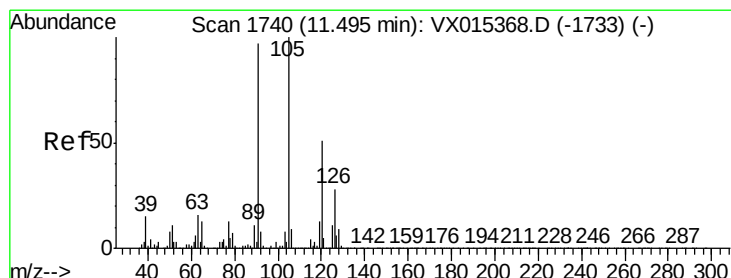
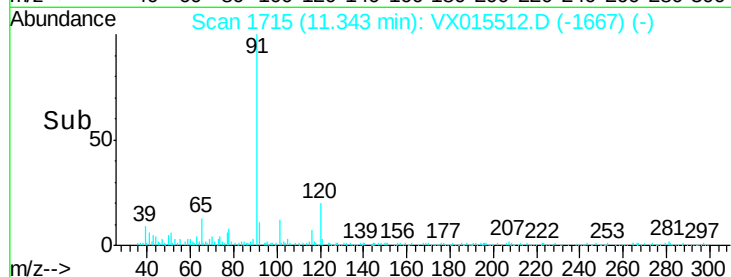
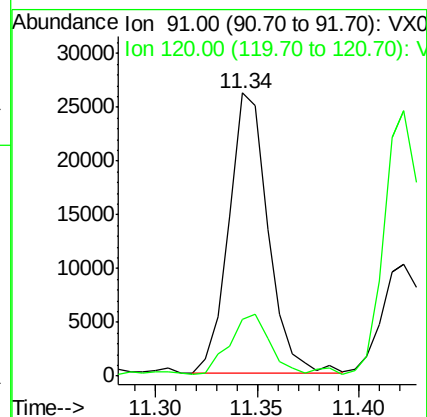
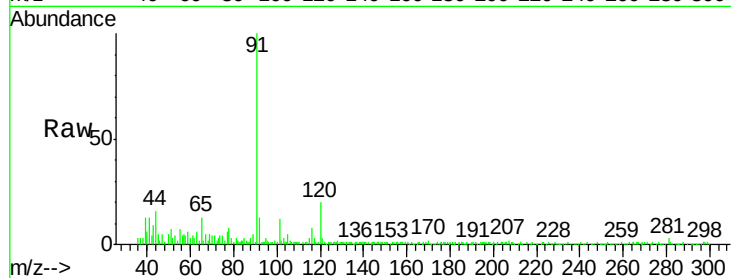
COMP-1

Tot Ion: 91 Resp: 34510

Ion Ratio Lower Upper

91 100

120 22.1 11.7 35.0



#80

1,3,5-Trimethylbenzene

Concen: 1.056 ug/l

RT: 11.49 min Scan# 1739

Delta R.T. -0.01 min

Lab File: VX015512.D

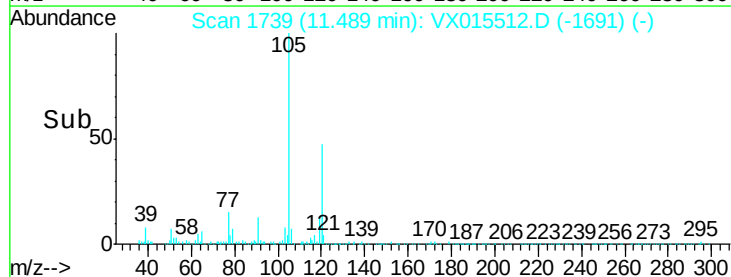
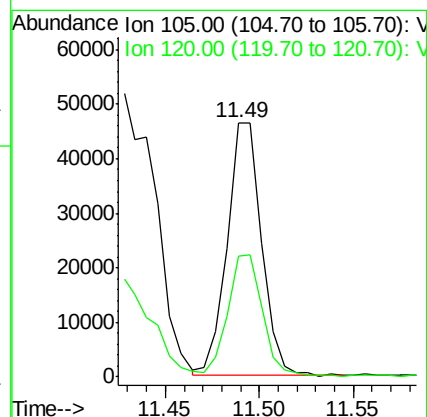
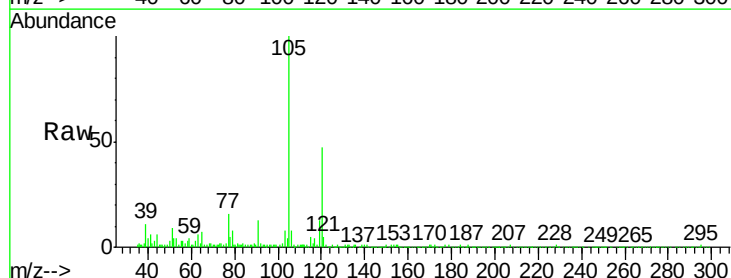
Acq: 06 Apr 2020 15:03

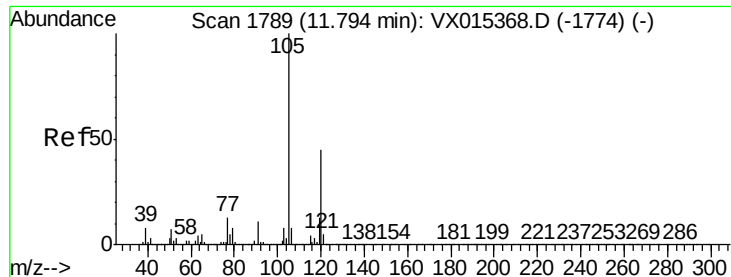
Tgt Ion: 105 Resp: 58669

Ion Ratio Lower Upper

105 100

120 49.1 24.8 74.4





#84

1,2,4-Trimethylbenzene

Concen: 2.471 ug/l

RT: 11.79 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX015512.D

Acq: 06 Apr 2020 15:03

Instrument :

MSVOA_X

ClientSampleId :

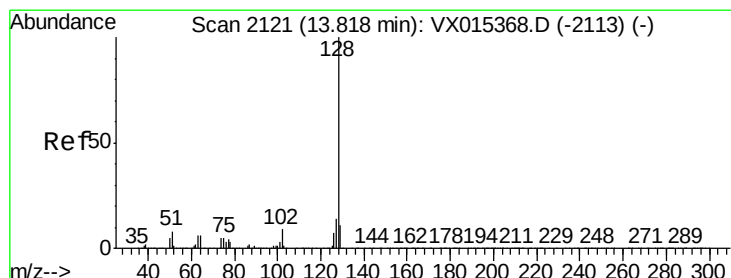
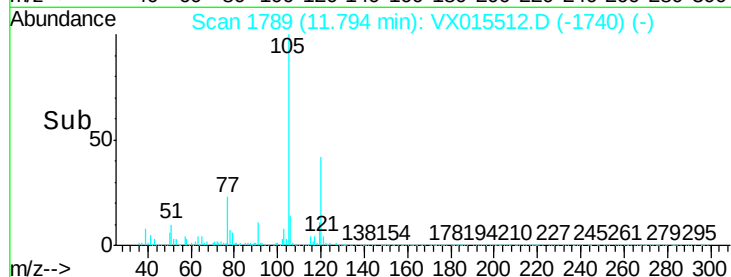
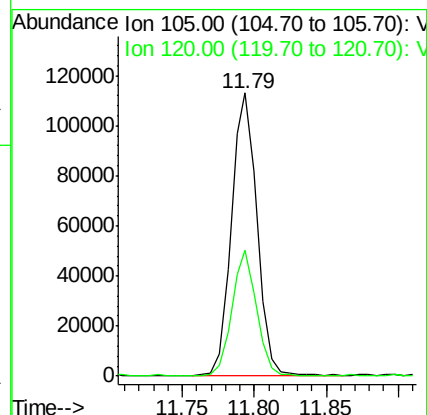
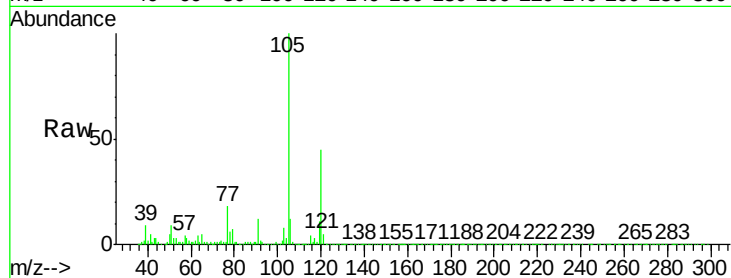
COMP-1

Tot Ion:105 Resp: 139976

Ion Ratio Lower Upper

105 100

120 43.7 22.7 68.1



#95

Naphthalene

Concen: 24.442 ug/l

RT: 13.82 min Scan# 2121

Delta R.T. 0.00 min

Lab File: VX015512.D

Acq: 06 Apr 2020 15:03

Tgt Ion:128 Resp: 1793558

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

129 11.0 8.8 13.2

