

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060120\
 Data File : VX016539.D
 Acq On : 01 Jun 2020 19:08
 Operator : JC/SP
 Sample : L2831-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-20200529

Quant Time: Jun 02 09:03:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 27 16:31:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	254128	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	425599	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	424214	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	229177	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	154513	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
35) Dibromofluoromethane	5.47	113	125624	47.94	ug/l	0.00
Spiked Amount			Recovery	=	95.88%	
50) Toluene-d8	8.70	98	520451	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	
62) 4-Bromofluorobenzene	11.12	95	225206	57.14	ug/l	0.00
Spiked Amount			Recovery	=	114.28%	

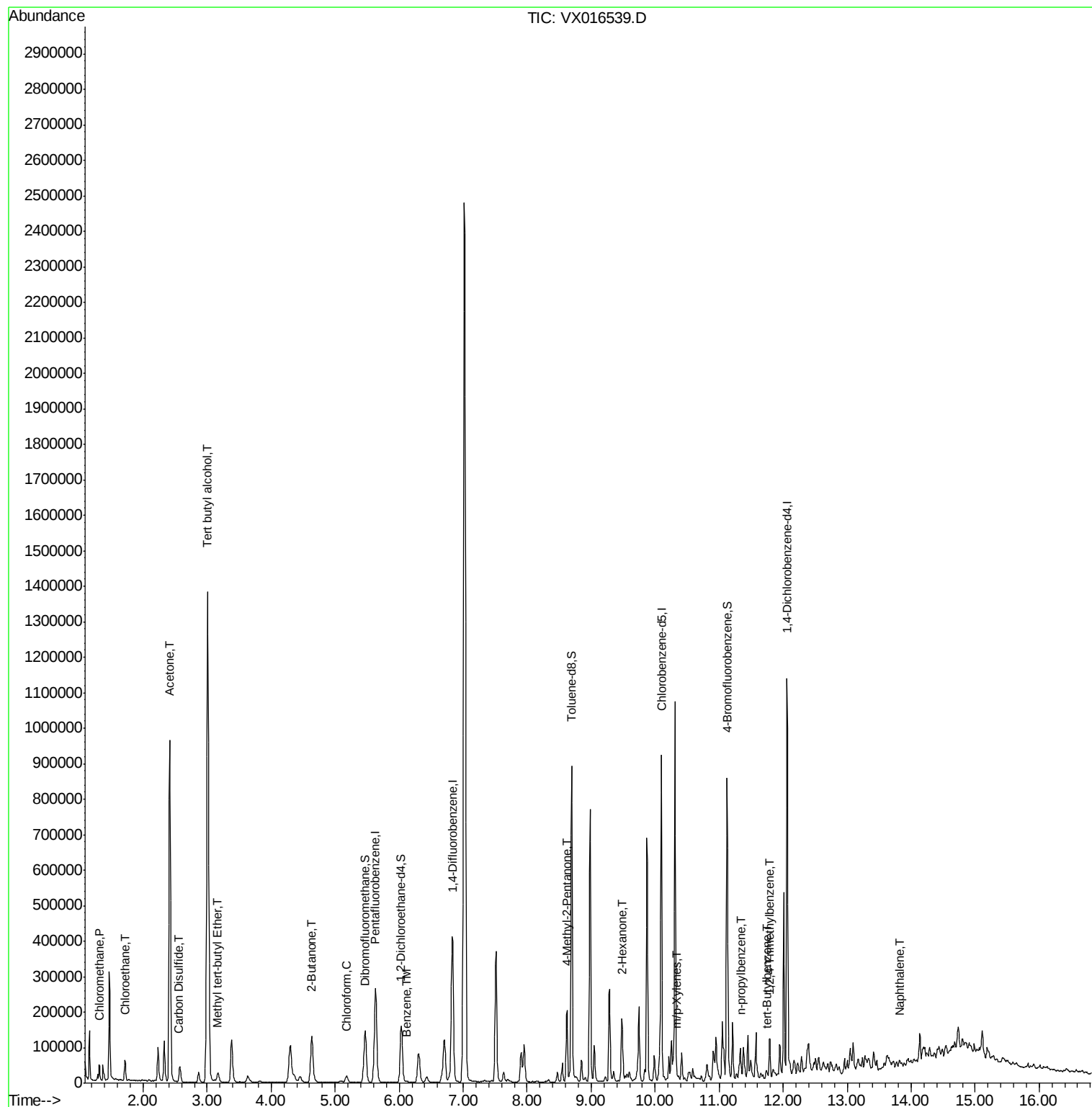
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	27631	9.143	ug/l	99
6) Chloroethane	1.71	64	36369	19.507	ug/l	100
11) Tert butyl alcohol	3.01	59	1752627	2165.659	ug/l	100
16) Acetone	2.42	43	978235	707.487	ug/l	99
17) Carbon Disulfide	2.55	76	1812	0.250	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	28887	3.290	ug/l	100
25) 2-Butanone	4.64	43	223437	95.367	ug/l	97
30) Chloroform	5.18	83	22815	4.644	ug/l	98
40) Benzene	6.11	78	2991	0.249	ug/l	94
51) 4-Methyl-2-Pentanone	8.62	43	112163	23.871	ug/l	98
59) 2-Hexanone	9.48	43	68511	18.749	ug/l	91
68) m/p-Xylenes	10.35	106	1745	0.306	ug/l	92
78) n-propylbenzene	11.35	91	4308	0.243	ug/l	98
83) tert-Butylbenzene	11.76	119	3633	0.321	ug/l	90
84) 1,2,4-Trimethylbenzene	11.79	105	19825	1.478	ug/l	95
95) Naphthalene	13.82	128	12853	0.808	ug/l #	96

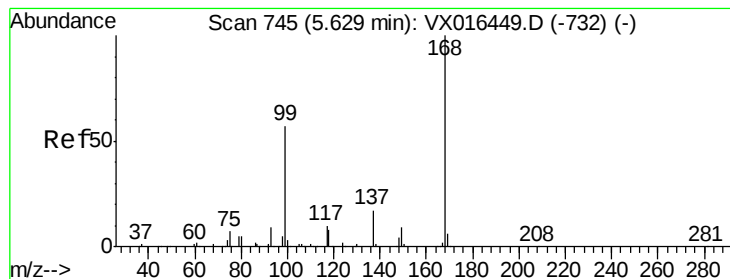
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016539.D

Acq: 01 Jun 2020 19:08

Instrument :

MSVOA_X

ClientSampleId :

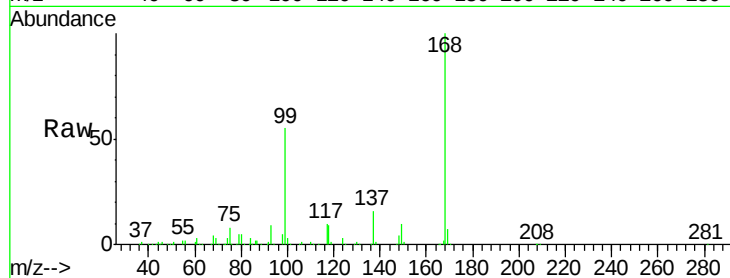
WC-20200529

Tot Ion:168 Resp: 254128

Ion Ratio Lower Upper

168 100

99 55.3 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

100000

80000

60000

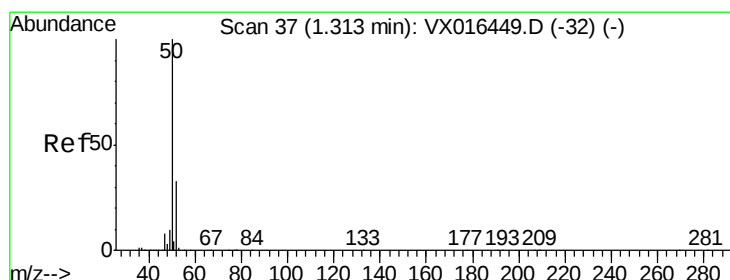
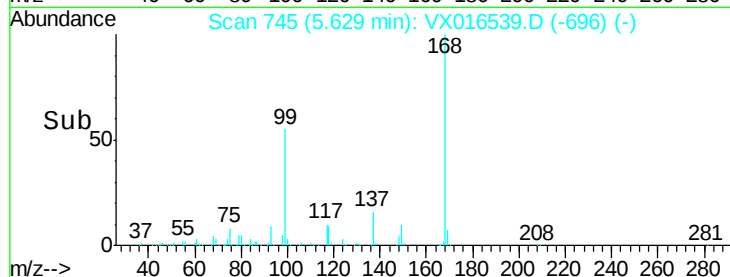
40000

20000

0

Time-->

5.50 5.60 5.70



#3

Chloromethane

Concen: 9.143 ug/l

RT: 1.31 min Scan# 37

Delta R.T. -0.00 min

Lab File: VX016539.D

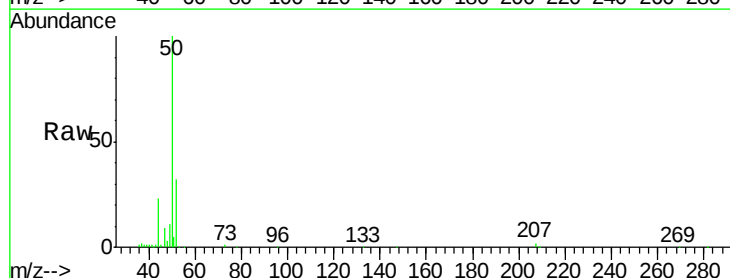
Acq: 01 Jun 2020 19:08

Tgt Ion: 50 Resp: 27631

Ion Ratio Lower Upper

50 100

52 32.3 26.2 39.2



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

30000

25000

20000

15000

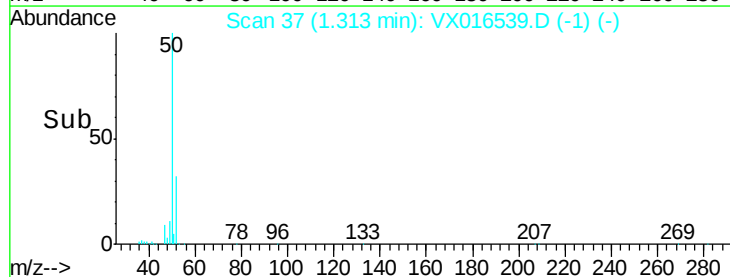
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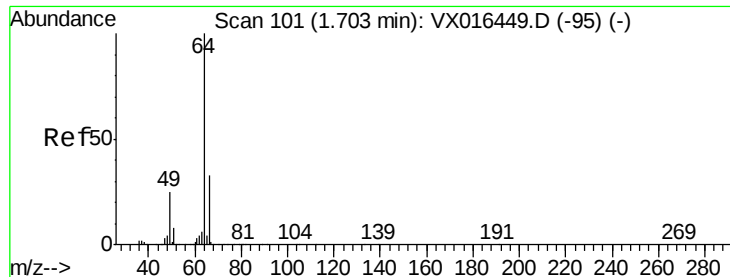
5000

0

Time-->

1.25 1.30 1.35





#6

Chloroethane

Concen: 19.507 ug/l

RT: 1.71 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX016539.D

Acq: 01 Jun 2020 19:08

Instrument :

MSVOA_X

ClientSampleId :

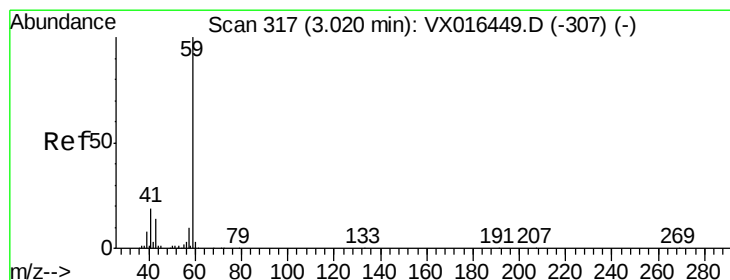
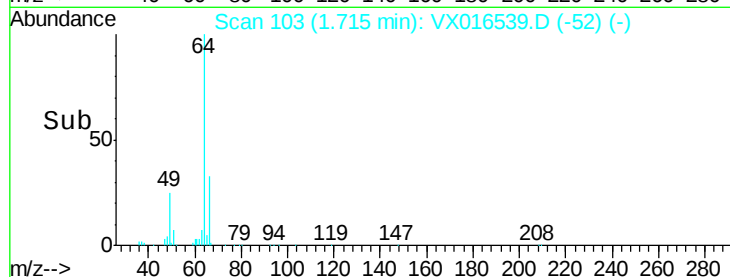
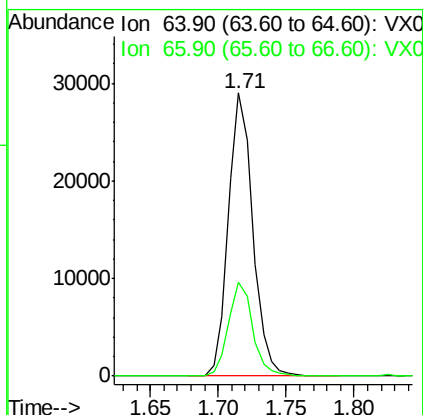
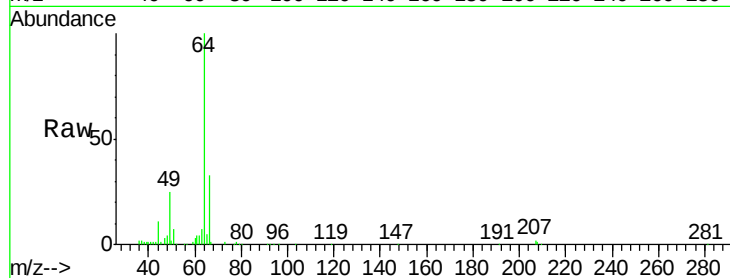
WC-20200529

Tot Ion: 64 Resp: 36369

Ion Ratio Lower Upper

64 100

66 33.2 26.7 40.1



#11

Tert butyl alcohol

Concen: 2165.659 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016539.D

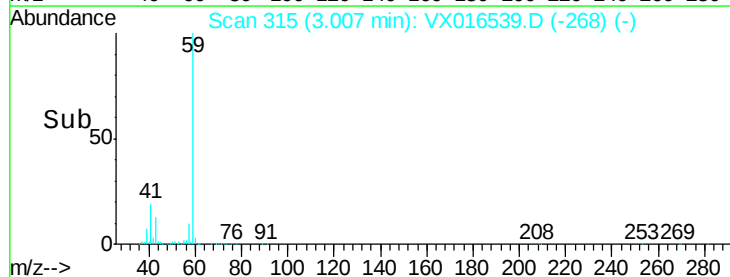
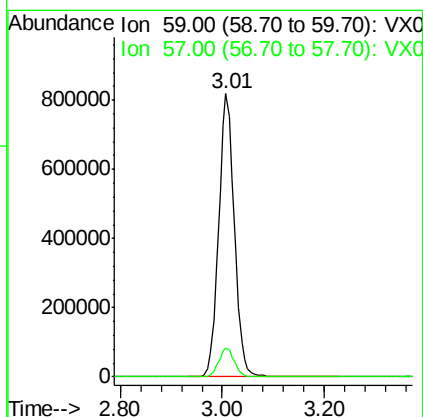
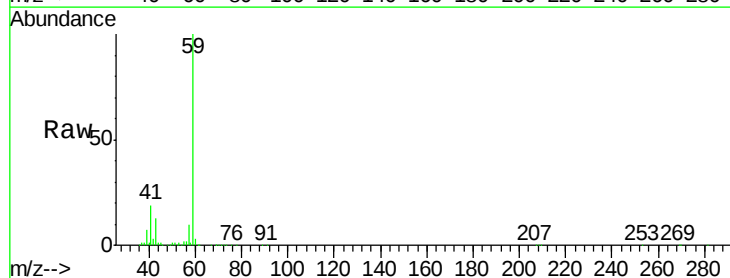
Acq: 01 Jun 2020 19:08

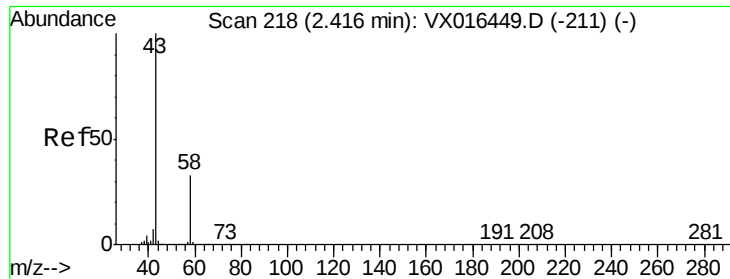
Tgt Ion: 59 Resp: 1752627

Ion Ratio Lower Upper

59 100

57 10.2 8.2 12.4





#16

Acetone

Concen: 707.487 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016539.D

Acq: 01 Jun 2020 19:08

Instrument :

MSVOA_X

ClientSampleId :

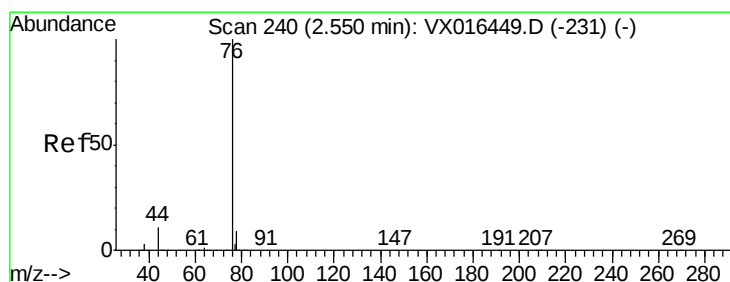
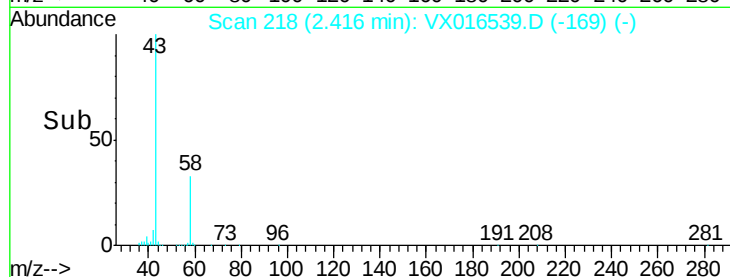
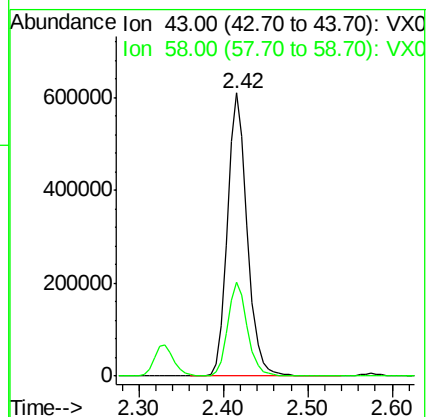
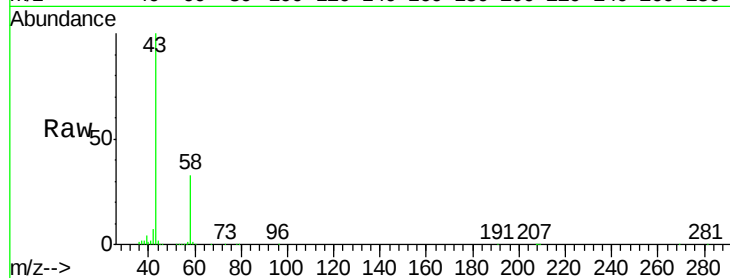
WC-20200529

Tot Ion: 43 Resp: 978235

Ion Ratio Lower Upper

43 100

58 33.2 26.1 39.1



#17

Carbon Disulfide

Concen: 0.250 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX016539.D

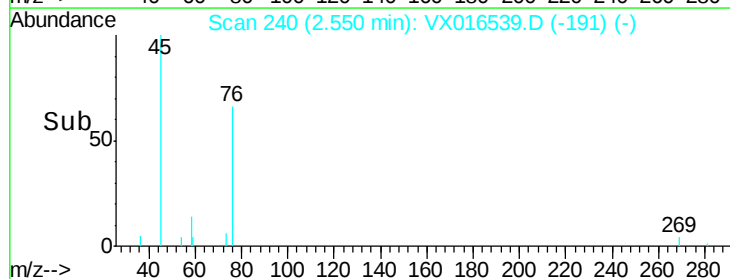
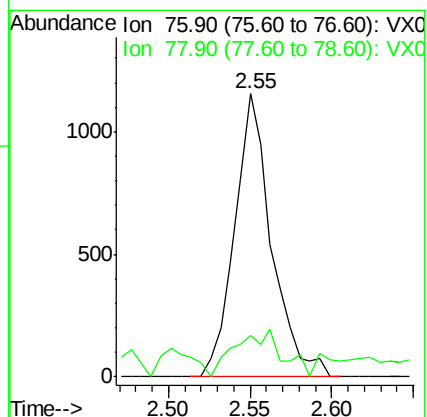
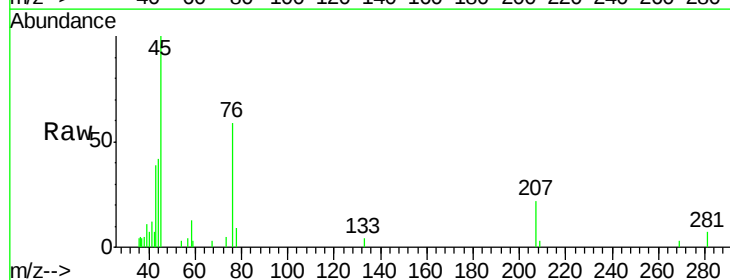
Acq: 01 Jun 2020 19:08

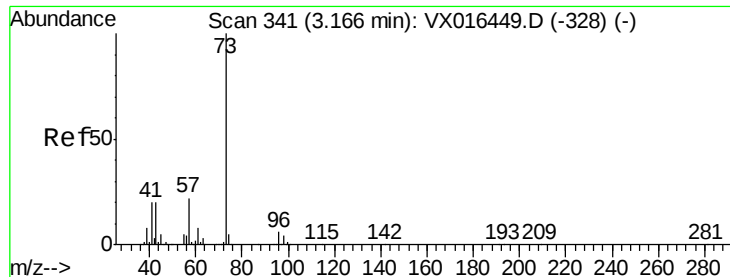
Tgt Ion: 76 Resp: 1812

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.0

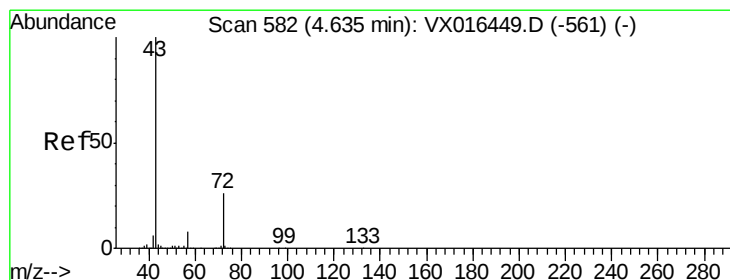
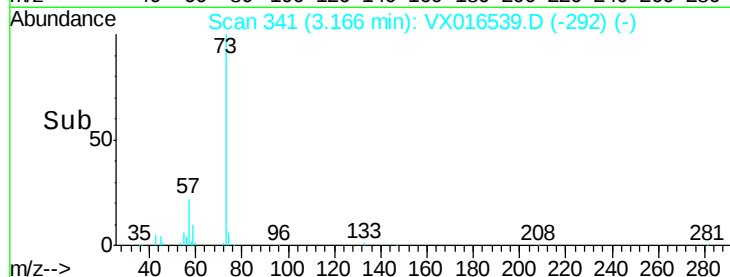
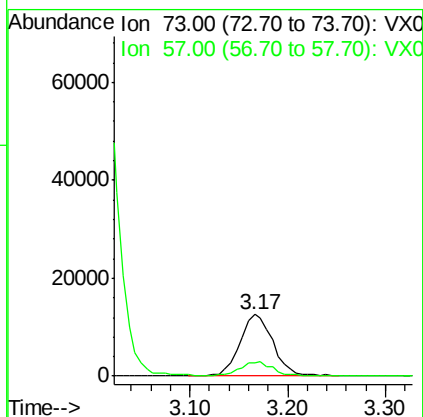
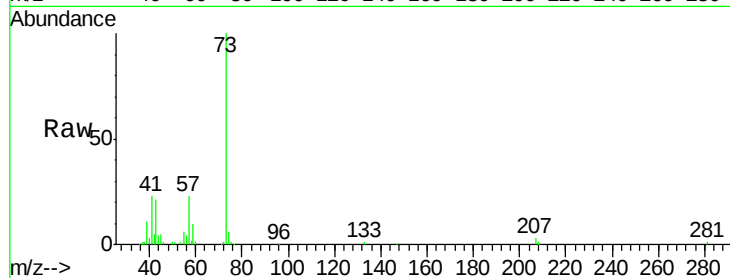




#19
Methvl tert-butvl Ether
Concen: 3.290 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX016539.D
Acq: 01 Jun 2020 19:08

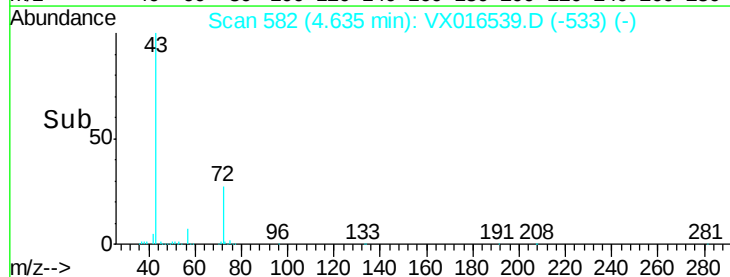
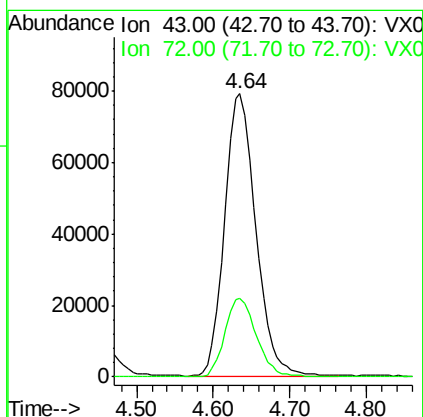
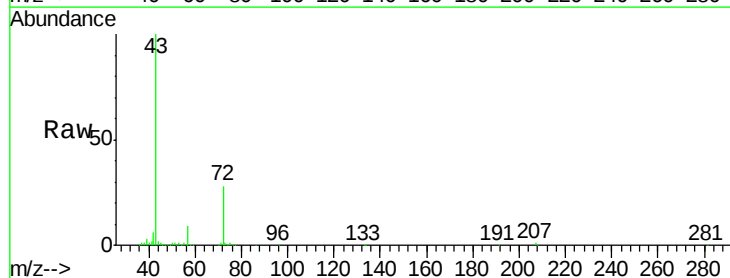
Instrument :
MSVOA_X
ClientSampleId :
WC-20200529

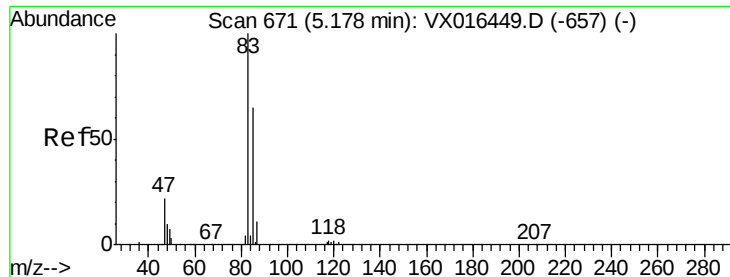
Tot Ion: 73 Resp: 28887
Ion Ratio Lower Upper
73 100
57 22.2 17.8 26.6



#25
2-Butanone
Concen: 95.367 ug/l
RT: 4.64 min Scan# 582
Delta R.T. -0.00 min
Lab File: VX016539.D
Acq: 01 Jun 2020 19:08

Tgt Ion: 43 Resp: 223437
Ion Ratio Lower Upper
43 100
72 27.8 21.0 31.6

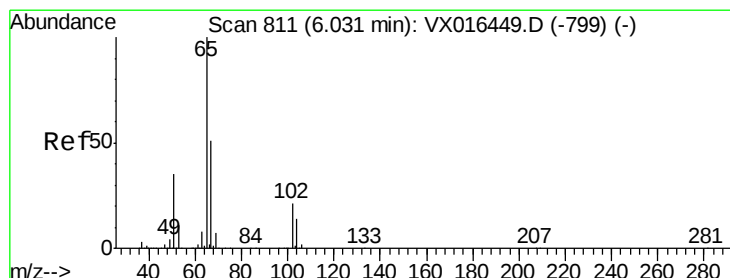
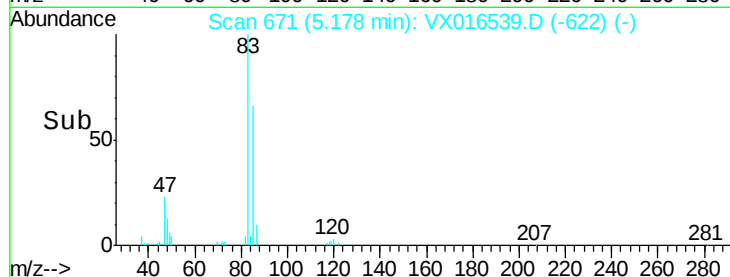
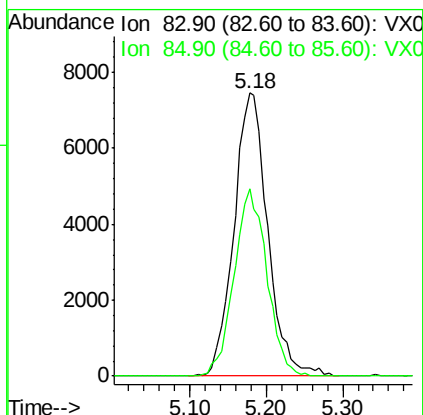
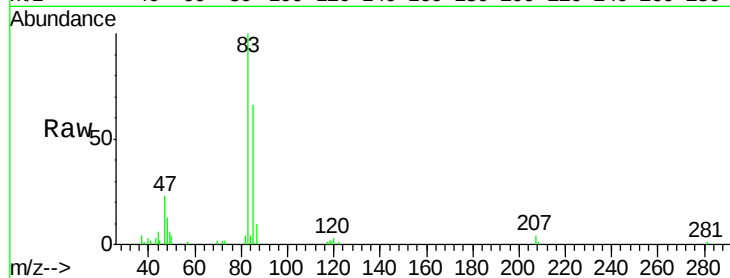




#30
Chloroform
Concen: 4.644 ug/l
RT: 5.18 min Scan# 671
Delta R.T. -0.00 min
Lab File: VX016539.D
Acq: 01 Jun 2020 19:08

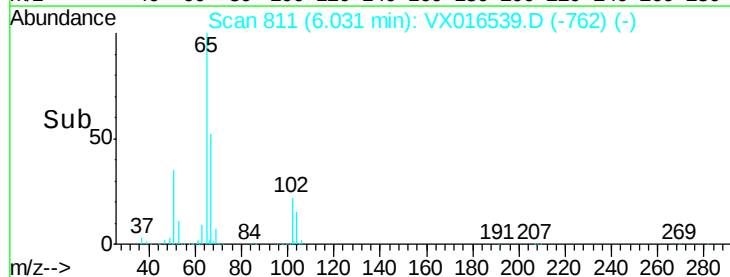
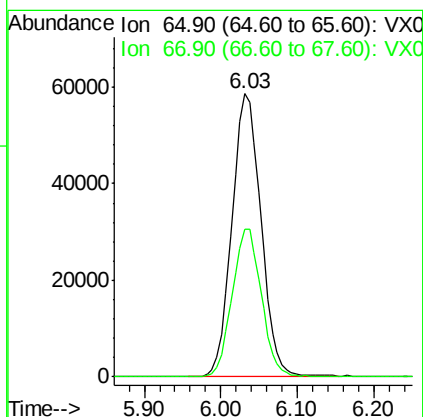
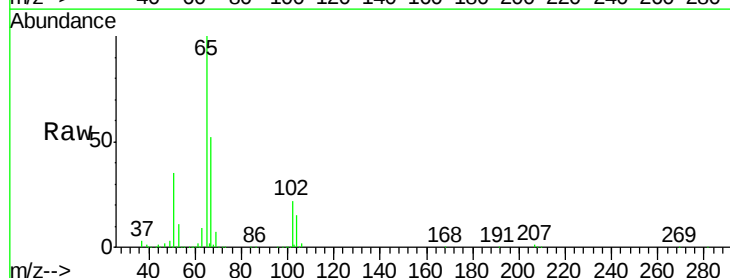
Instrument :
MSVOA_X
ClientSampleId :
WC-20200529

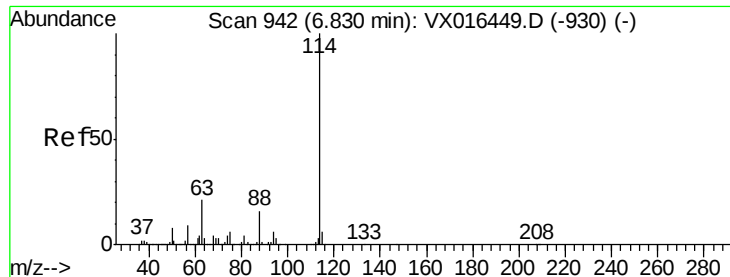
Tot Ion: 83 Resp: 22815
Ion Ratio Lower Upper
83 100
85 66.2 52.0 78.0



#33
1,2-Dichloroethane-d4
Concen: 48.959 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016539.D
Acq: 01 Jun 2020 19:08

Tgt Ion: 65 Resp: 154513
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016539.D

Acq: 01 Jun 2020 19:08

Instrument :

MSVOA_X

ClientSampleId :

WC-20200529

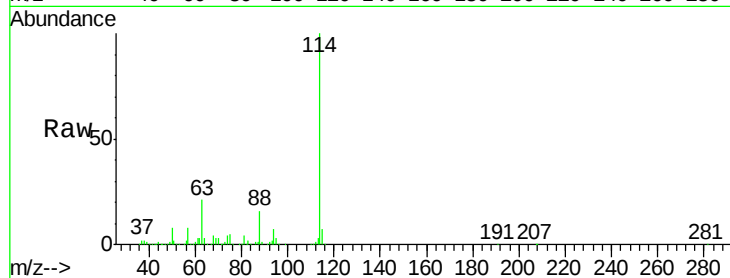
Tot Ion:114 Resp: 425599

Ion Ratio Lower Upper

114 100

63 20.6 0.0 42.6

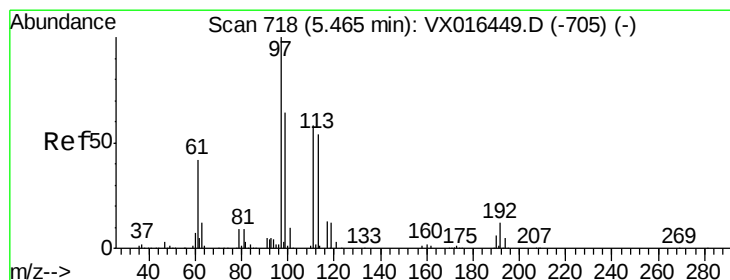
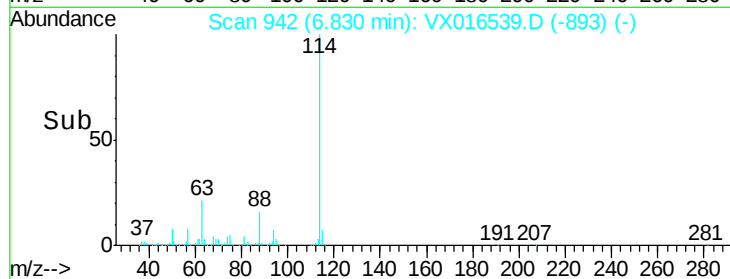
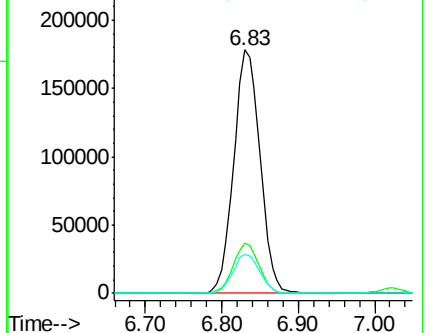
88 16.1 0.0 32.8



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: 47.937 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016539.D

Acq: 01 Jun 2020 19:08

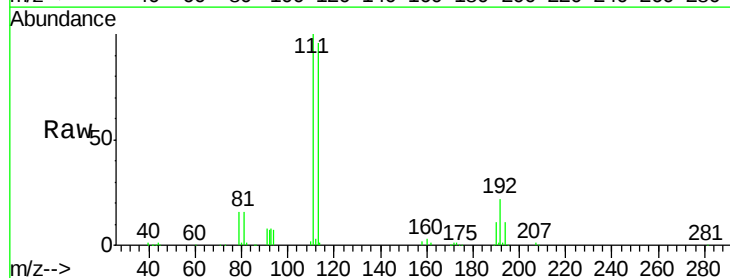
Tgt Ion:113 Resp: 125624

Ion Ratio Lower Upper

113 100

111 103.1 83.0 124.6

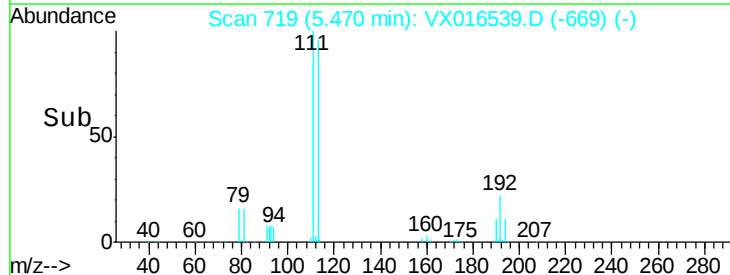
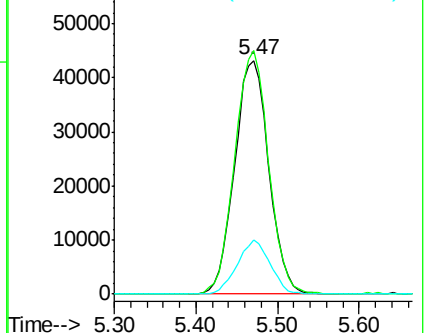
192 22.3 17.7 26.5

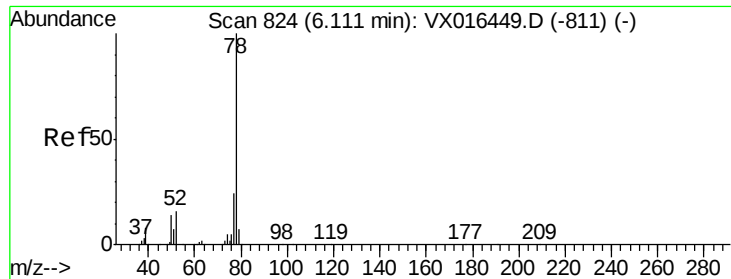


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 0.249 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

Lab File: VX016539.D

Acq: 01 Jun 2020 19:08

Instrument :

MSVOA_X

ClientSampleId :

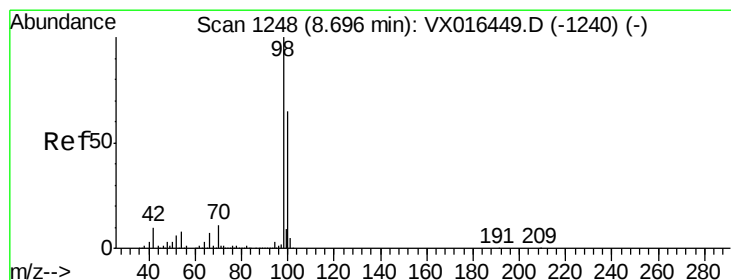
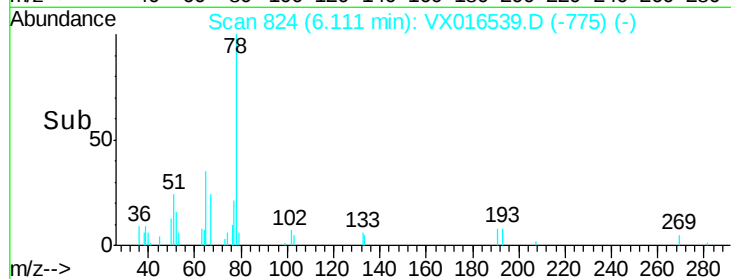
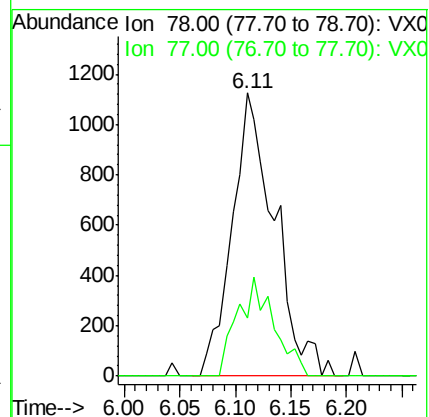
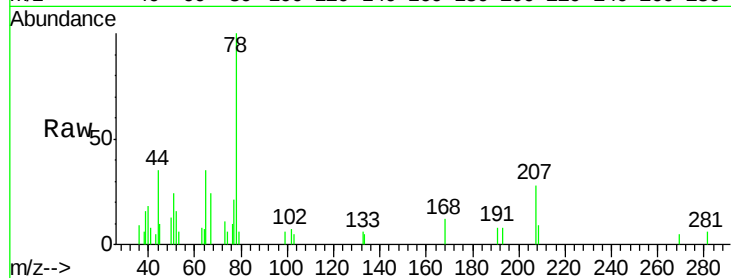
WC-20200529

Tot Ion: 78 Resp: 2991

Ion Ratio Lower Upper

78 100

77 20.7 18.9 28.3



#50

Toluene-d8

Concen: 51.025 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016539.D

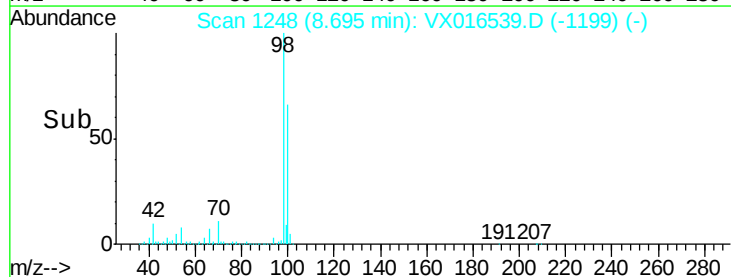
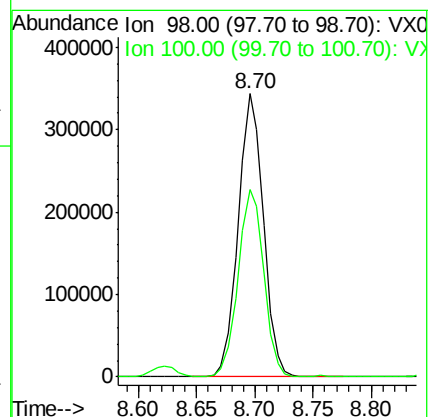
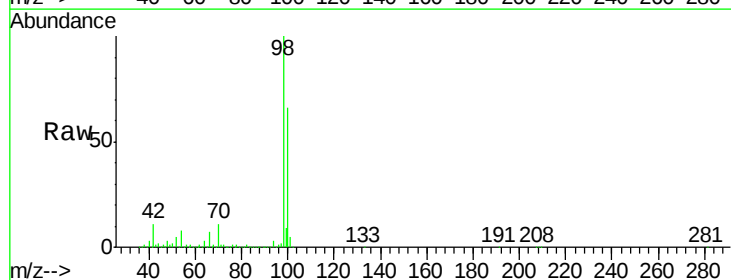
Acq: 01 Jun 2020 19:08

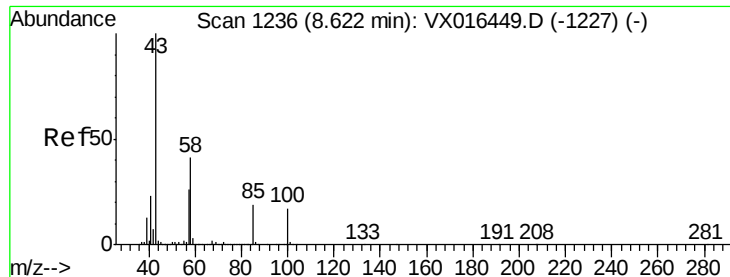
Tgt Ion: 98 Resp: 520451

Ion Ratio Lower Upper

98 100

100 66.7 53.8 80.6

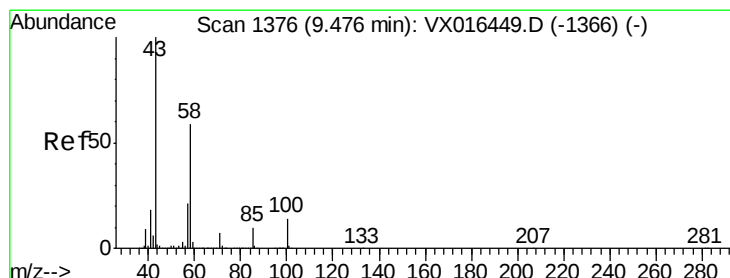
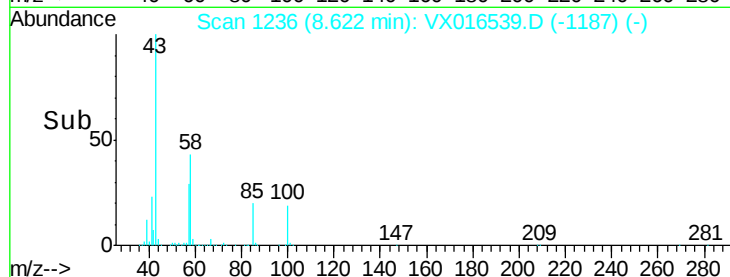
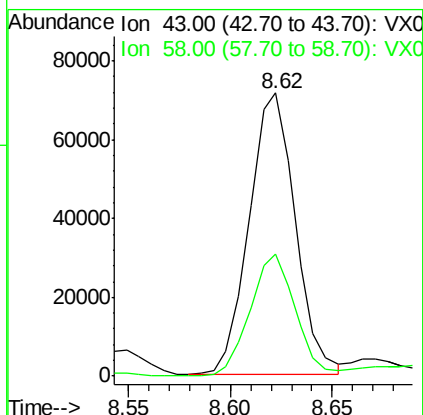
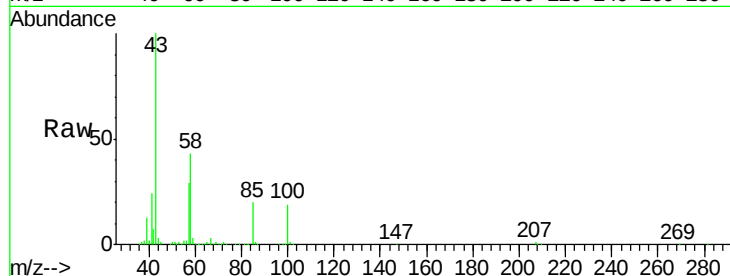




#51
 4-Methyl-2-Pentanone
 Concen: 23.871 ug/l
 RT: 8.62 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VX016539.D
 Acq: 01 Jun 2020 19:08

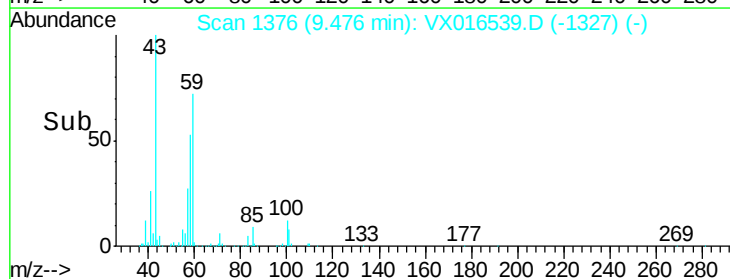
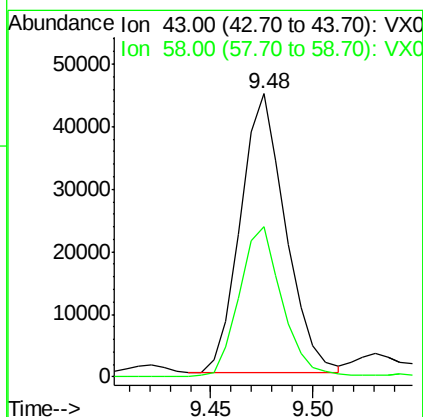
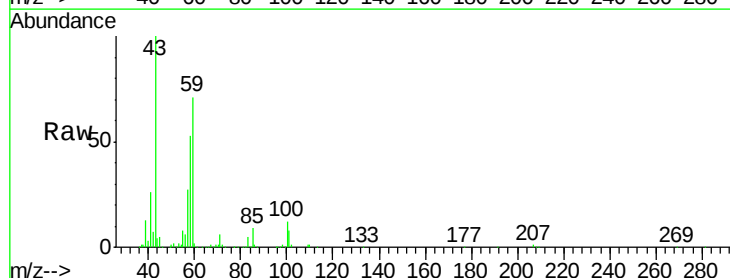
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-20200529

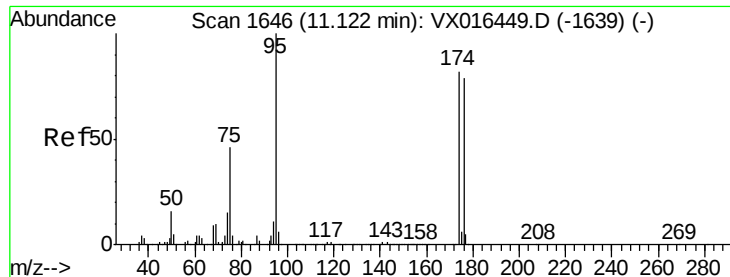
Tot Ion: 43 Resp: 112163
 Ion Ratio Lower Upper
 43 100
 58 42.5 33.0 49.6



#59
 2-Hexanone
 Concen: 18.749 ug/l
 RT: 9.48 min Scan# 1376
 Delta R.T. -0.00 min
 Lab File: VX016539.D
 Acq: 01 Jun 2020 19:08

Tgt Ion: 43 Resp: 68511
 Ion Ratio Lower Upper
 43 100
 58 51.2 28.8 86.4

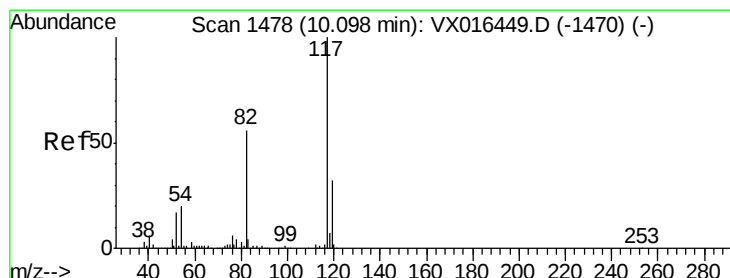
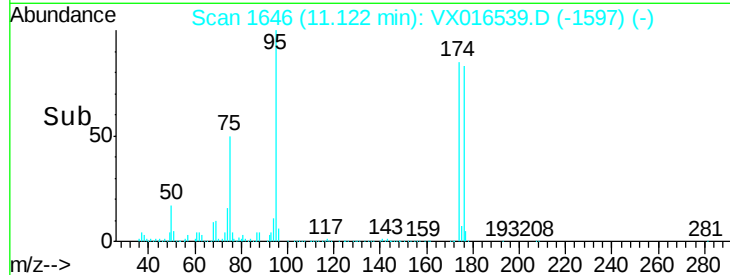
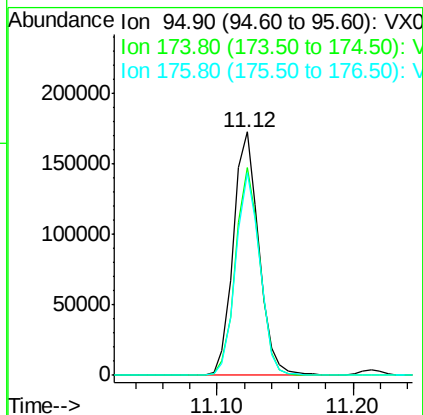
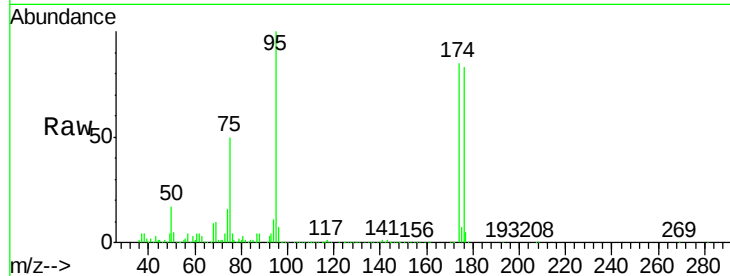




#62
4-Bromofluorobenzene
Concen: 57.141 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016539.D
Acq: 01 Jun 2020 19:08

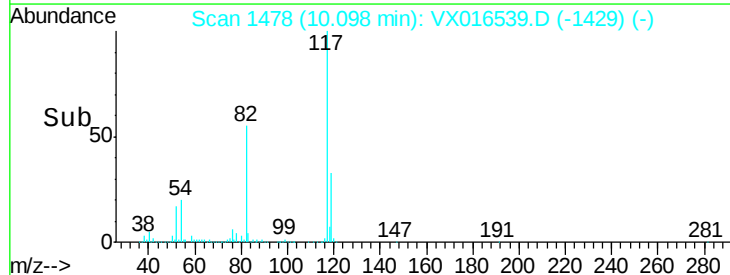
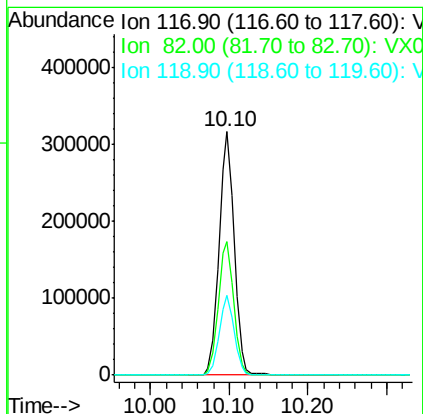
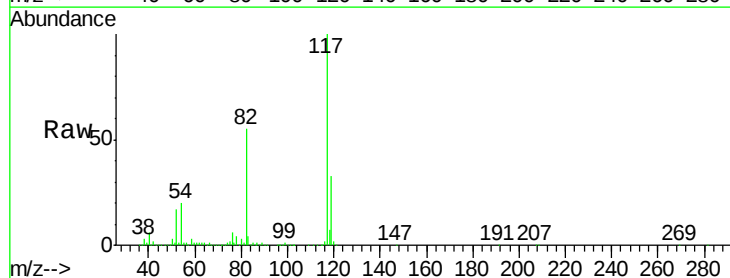
Instrument :
MSVOA_X
ClientSampleId :
WC-20200529

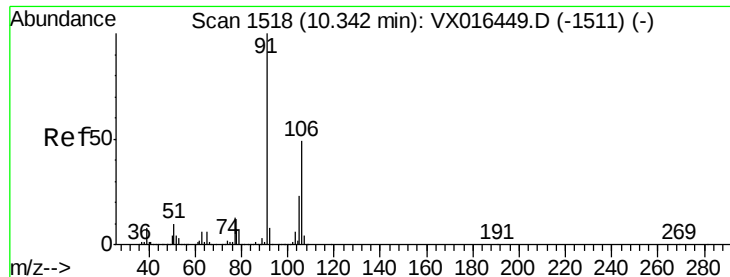
Tot Ion: 95 Resp: 225206
Ion Ratio Lower Upper
95 100
174 80.6 0.0 163.0
176 78.7 0.0 156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016539.D
Acq: 01 Jun 2020 19:08

Tgt Ion: 117 Resp: 424214
Ion Ratio Lower Upper
117 100
82 55.0 45.0 67.6
119 32.8 25.8 38.8

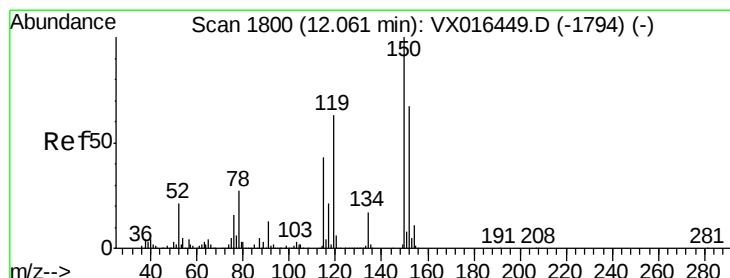
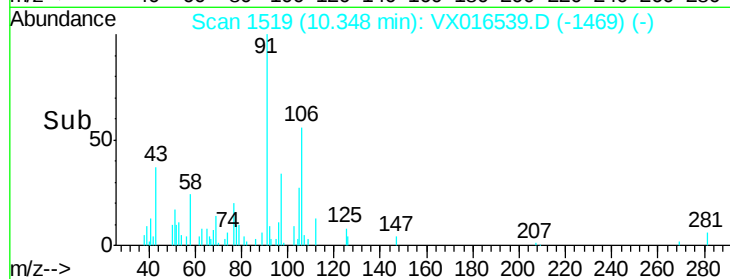
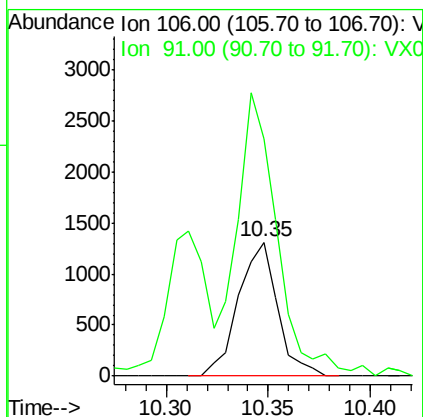
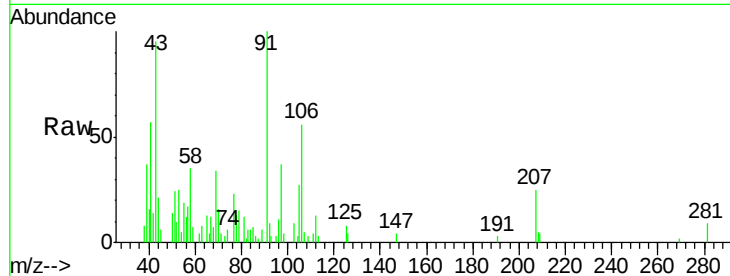




#68
m/p-Xvlenes
Concen: 0.306 ug/l
RT: 10.35 min Scan# 1519
Delta R.T. 0.01 min
Lab File: VX016539.D
Acq: 01 Jun 2020 19:08

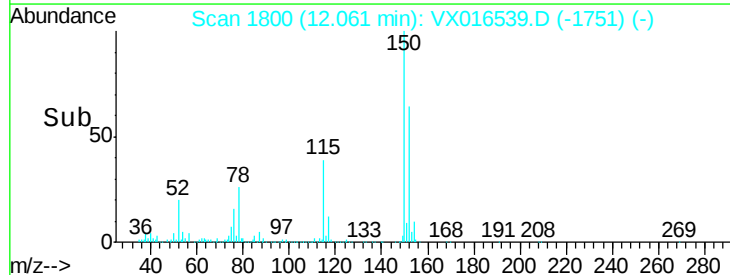
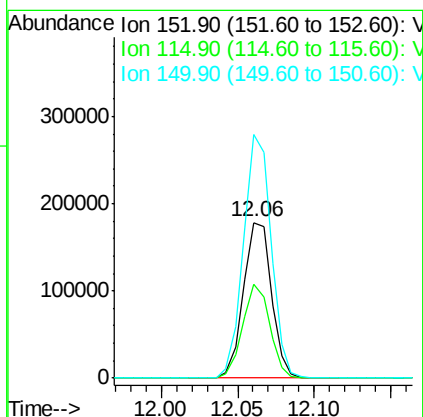
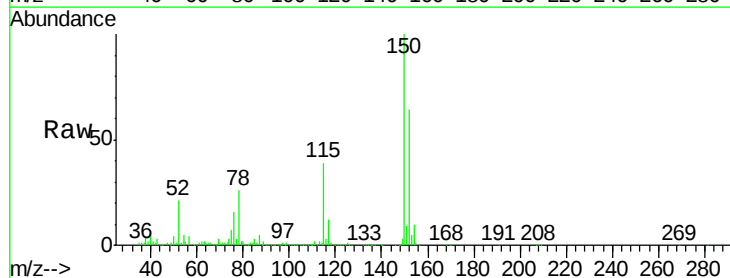
Instrument :
MSVOA_X
ClientSampled :
WC-20200529

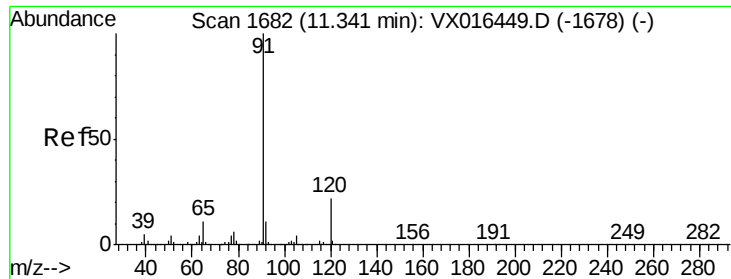
Tot Ion:106 Resp: 1745
Ion Ratio Lower Upper
106 100
91 217.4 163.8 245.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016539.D
Acq: 01 Jun 2020 19:08

Tgt Ion:152 Resp: 229177
Ion Ratio Lower Upper
152 100
115 57.9 39.9 119.6
150 153.2 0.0 341.0





#78

n-propylbenzene

Concen: 0.243 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VX016539.D

Acq: 01 Jun 2020 19:08

Instrument :

MSVOA_X

ClientSampleId :

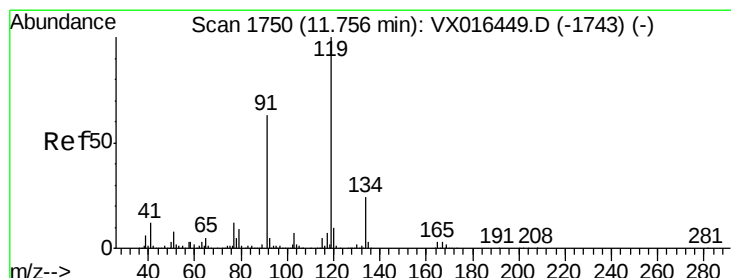
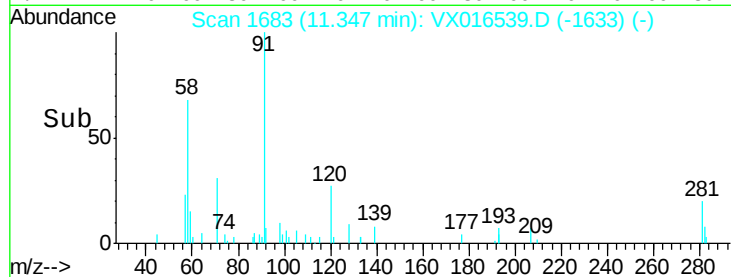
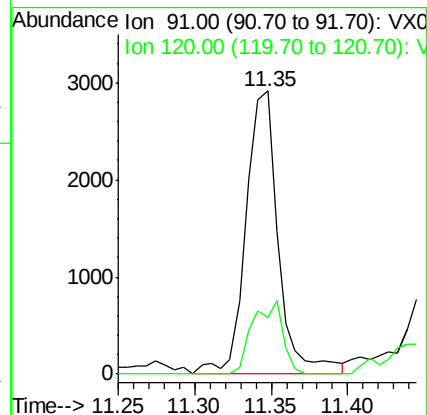
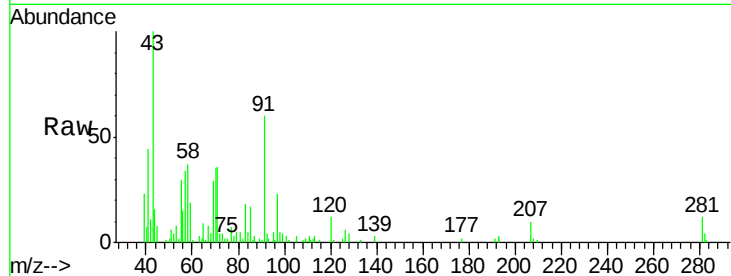
WC-20200529

Tot Ion: 91 Resp: 4308

Ion Ratio Lower Upper

91 100

120 24.0 11.6 34.7



#83

tert-Butylbenzene

Concen: 0.321 ug/l

RT: 11.76 min Scan# 1750

Delta R.T. -0.00 min

Lab File: VX016539.D

Acq: 01 Jun 2020 19:08

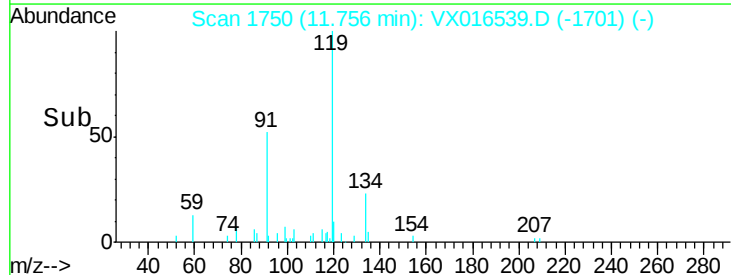
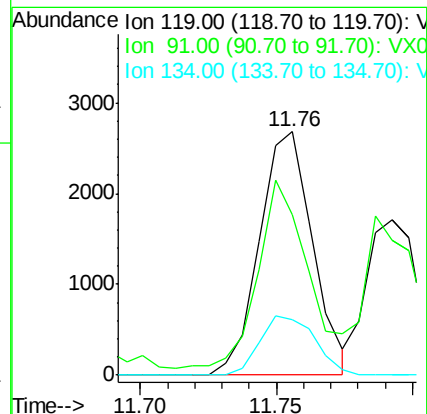
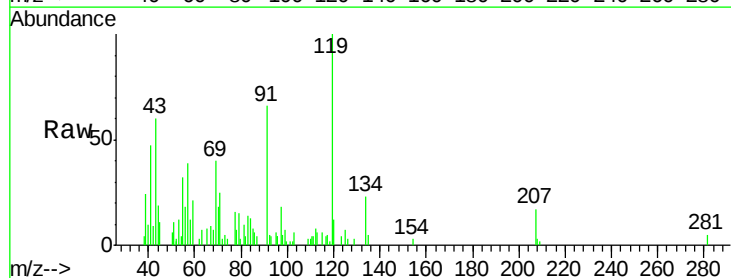
Tgt Ion: 119 Resp: 3633

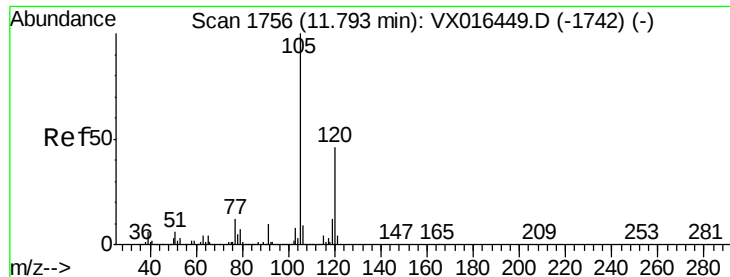
Ion Ratio Lower Upper

119 100

91 72.7 31.3 93.8

134 25.0 12.0 36.0

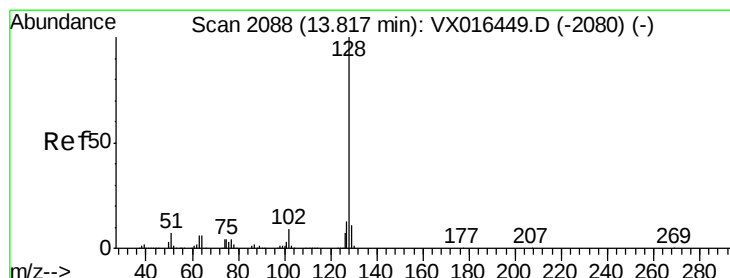
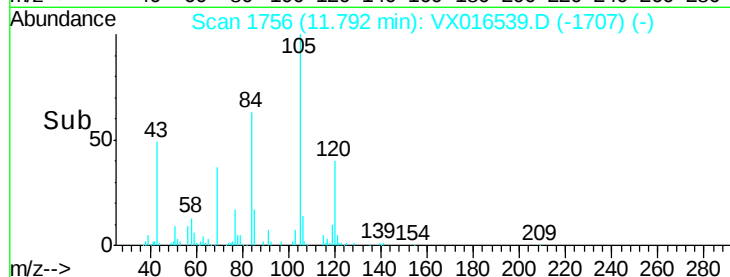
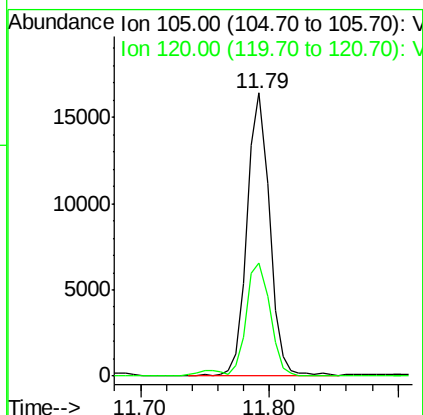
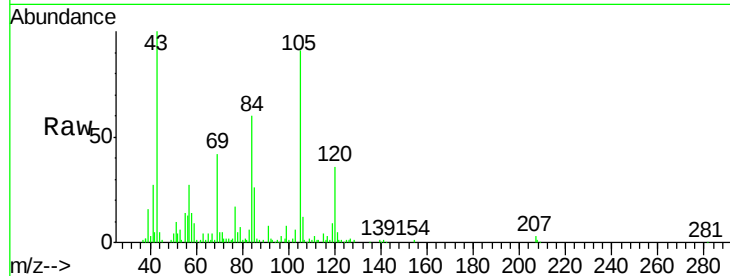




#84
 1,2,4-Trimethylbenzene
 Concen: 1.478 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX016539.D
 Acq: 01 Jun 2020 19:08

Instrument :
 MSVOA_X
 ClientSampled :
 WC-20200529

Tot Ion:105 Resp: 19825
 Ion Ratio Lower Upper
 105 100
 120 41.9 22.6 67.7



#95
 Naphthalene
 Concen: 0.808 ug/l
 RT: 13.82 min Scan# 2088
 Delta R.T. -0.00 min
 Lab File: VX016539.D
 Acq: 01 Jun 2020 19:08

Tgt Ion:128 Resp: 12853
 Ion Ratio Lower Upper
 128 100
 127 13.3 10.6 15.8
 129 14.3 8.6 13.0#

