

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VOX082020\
 Data File : VX018032.D
 Acq On : 20 Aug 2020 14:10
 Operator : JC/SP
 Sample : L3766-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 200819016-02-VOA

Quant Time: Aug 21 01:58:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081920W.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 19 05:36:51 2020
 Response via : Initial Calibration

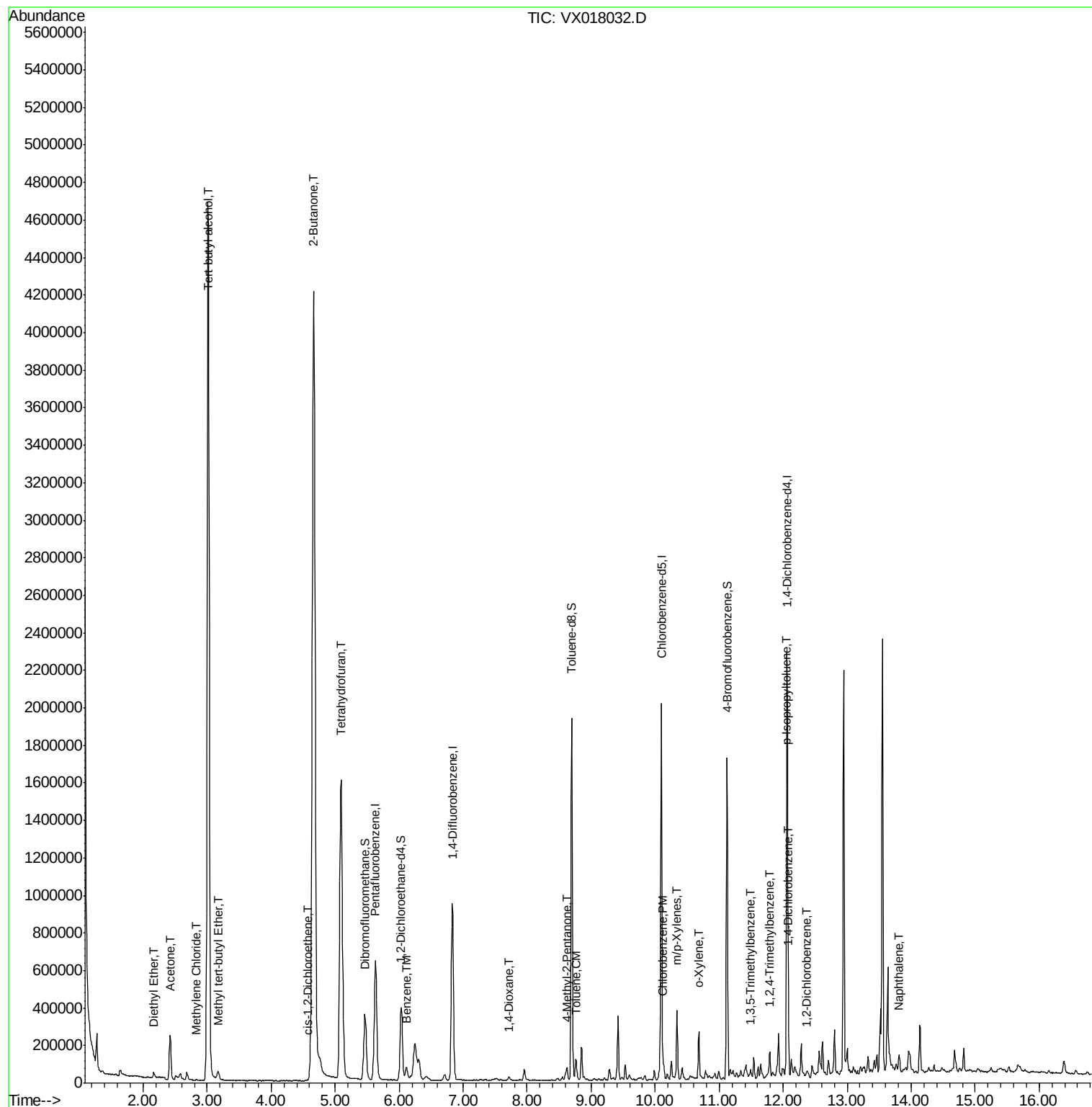
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	603151	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	942393	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.10	117	883809	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	463121	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	383745	43.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.80%	
35) Dibromofluoromethane	5.46	113	306689	43.70	ug/l	0.00
Spiked Amount 50.000			Recovery	=	87.40%	
50) Toluene-d8	8.70	98	1130145	45.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.12%	
62) 4-Bromofluorobenzene	11.12	95	443812	48.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.88%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.17	74	10663	2.897	ug/l	97
11) Tert butyl alcohol	3.01	59	5956820	3489.413	ug/l	99
16) Acetone	2.42	43	211550	60.818	ug/l	100
19) Methyl tert-butyl Ether	3.17	73	51006	2.454	ug/l	99
20) Methylene Chloride	2.83	84	2142	0.334	ug/l #	73
25) 2-Butanone	4.66	43	390116	74.081	ug/l #	79
27) cis-1,2-Dichloroethene	4.57	96	4075	0.618	ug/l #	17
29) Tetrahydrofuran	5.09	42	1488020	454.973	ug/l	98
40) Benzene	6.12	78	80885	3.405	ug/l	99
49) 1,4-Dioxane	7.72	88	12715	82.232	ug/l	99
51) 4-Methyl-2-Pentanone	8.62	43	49925	4.867	ug/l #	87
52) Toluene	8.77	92	30359	1.953	ug/l	97
65) Chlorobenzene	10.12	112	11554	0.659	ug/l #	52
68) m/p-Xylenes	10.34	106	81089	7.283	ug/l	94
69) o-Xylene	10.68	106	52052	4.848	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	17223	0.658	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	59161	2.184	ug/l	97
86) p-Isopropyltoluene	12.05	119	45536	1.641	ug/l	92
88) 1,4-Dichlorobenzene	12.09	146	59251	4.018	ug/l	90
91) 1,2-Dichlorobenzene	12.38	146	4823	0.347	ug/l	88
95) Naphthalene	13.82	128	24439	0.847	ug/l #	97

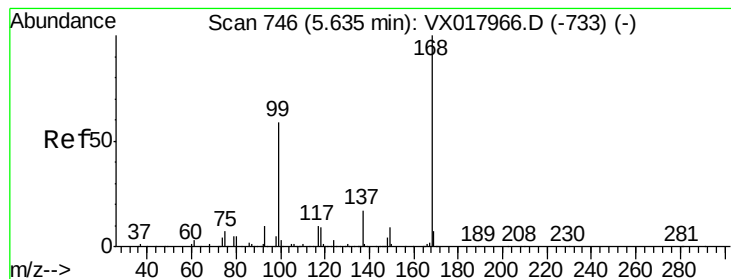
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX082020\
Data File : VX018032.D
Acq On : 20 Aug 2020 14:10
Operator : JC/SP
Sample : L3766-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
200819016-02-VOA

Quant Time: Aug 21 01:58:22 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081920W.M
Quant Title : SW846 8260
QLast Update : Wed Aug 19 05:36:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX018032.D

Acq: 20 Aug 2020 14:10

Instrument :

MSVOA_X

ClientSampleId :

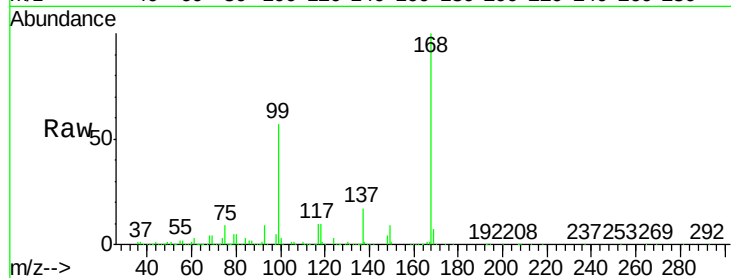
200819016-02-VOA

Tot Ion:168 Resp: 603151

Ion Ratio Lower Upper

168 100

99 56.6 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

200000

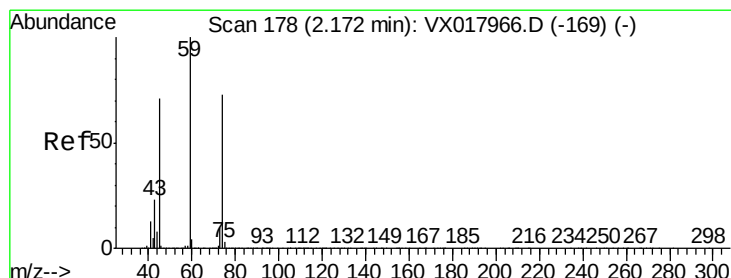
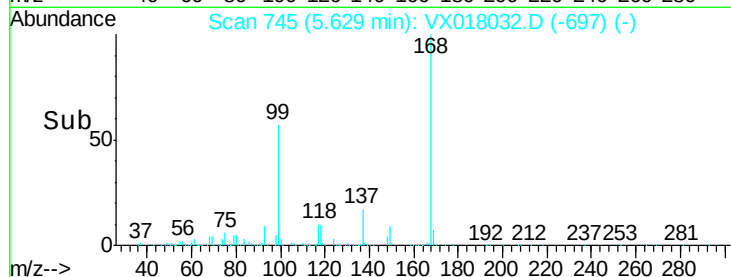
150000

100000

50000

0

Time-->



#8

Diethyl Ether

Concen: 2.897 ug/l

RT: 2.17 min Scan# 178

Delta R.T. 0.00 min

Lab File: VX018032.D

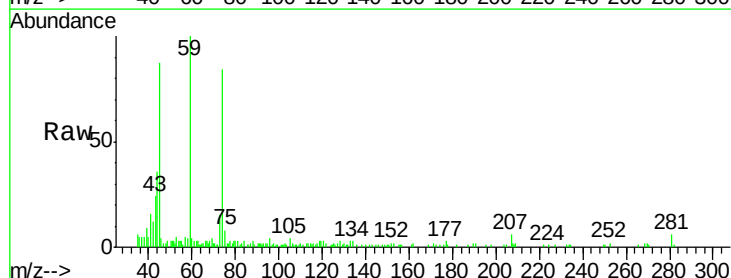
Acq: 20 Aug 2020 14:10

Tgt Ion: 74 Resp: 10663

Ion Ratio Lower Upper

74 100

45 104.4 50.5 151.6



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

2.17

8000

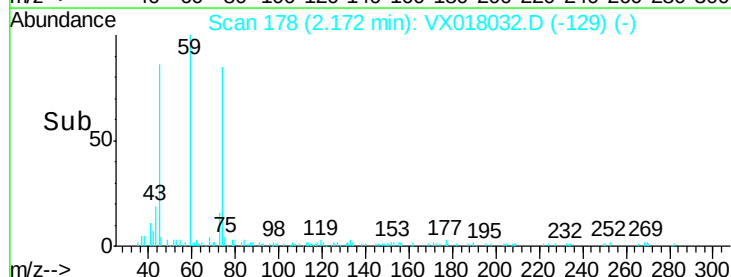
6000

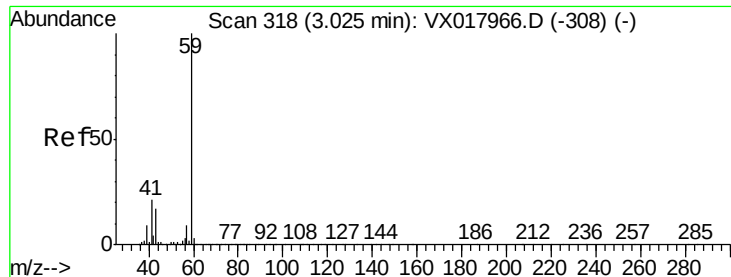
4000

2000

0

Time-->



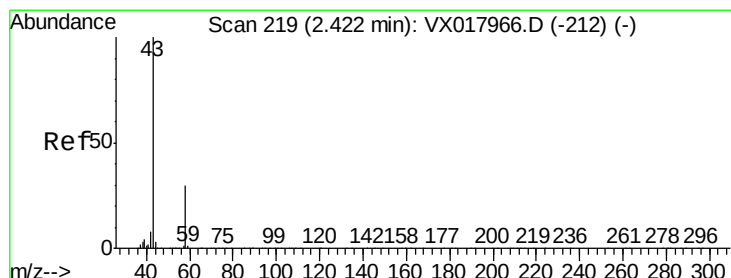
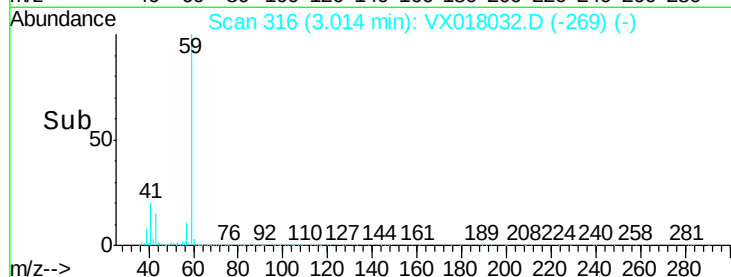
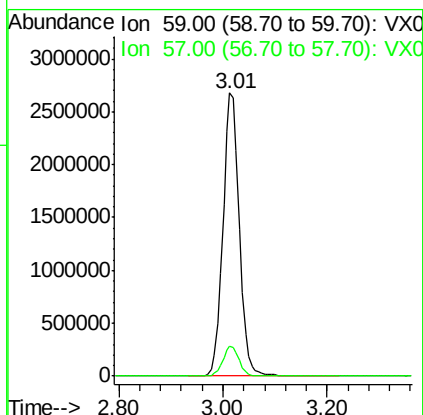
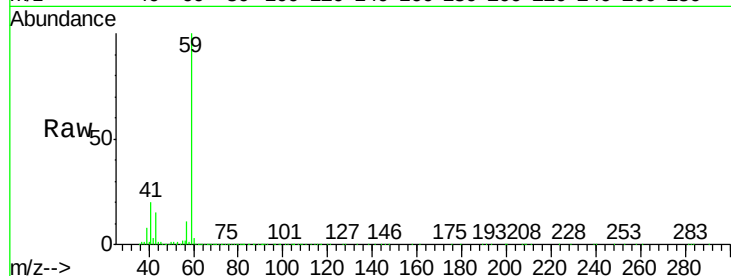


#11

Tert butyl alcohol
 Concen: 3489.413 ug/l
 RT: 3.01 min Scan# 316
 Delta R.T. -0.01 min
 Lab File: VX018032.D
 Acq: 20 Aug 2020 14:10

Instrument :
 MSVOA_X
 ClientSampleId :
 200819016-02-VOA

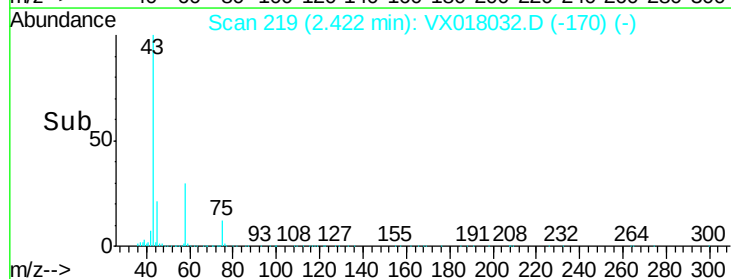
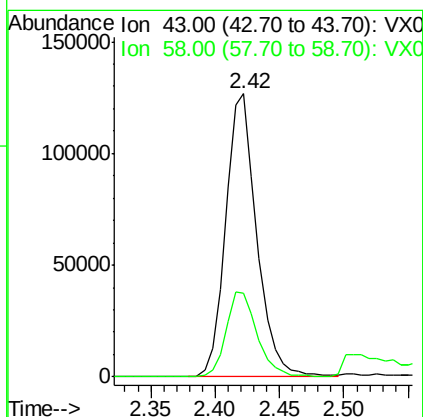
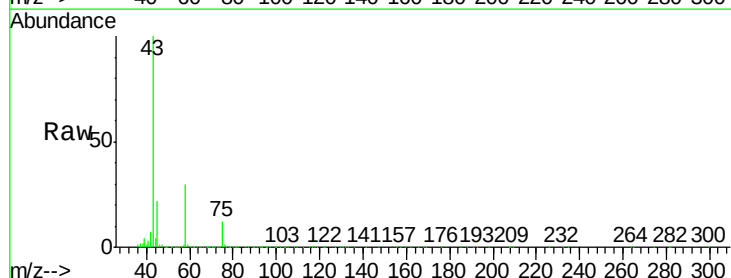
Tot Ion: 59 Resp: 5956820
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.6 13.0

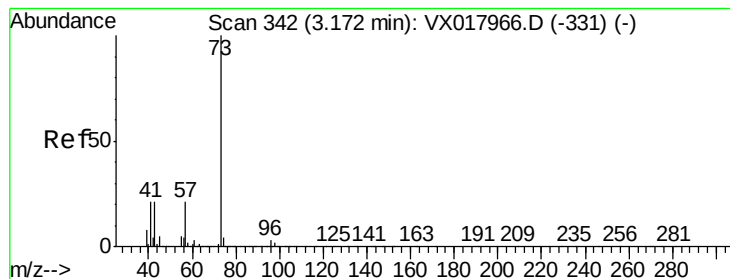


#16

Acetone
 Concen: 60.818 ug/l
 RT: 2.42 min Scan# 219
 Delta R.T. 0.00 min
 Lab File: VX018032.D
 Acq: 20 Aug 2020 14:10

Tgt Ion: 43 Resp: 211550
 Ion Ratio Lower Upper
 43 100
 58 29.6 23.8 35.8



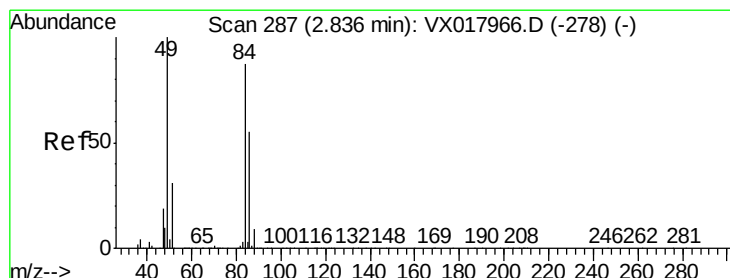
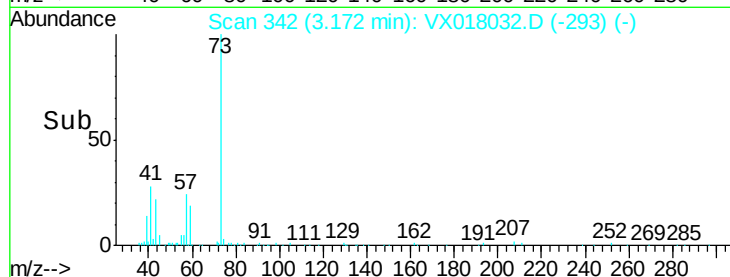
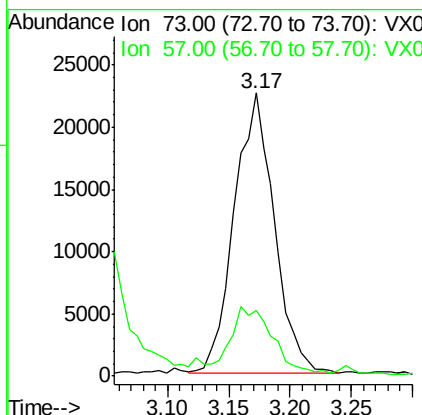
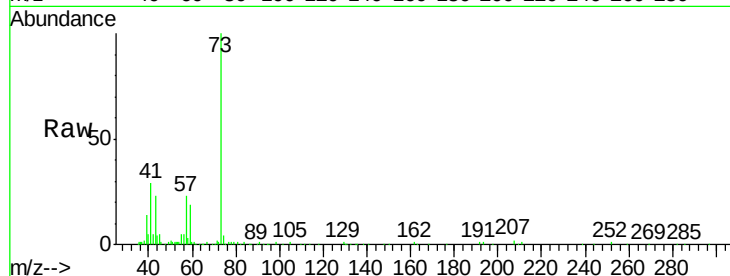


#19

Methyl tert-butyl Ether
 Concen: 2.454 ug/l
 RT: 3.17 min Scan# 342
 Delta R.T. 0.00 min
 Lab File: VX018032.D
 Acq: 20 Aug 2020 14:10

Instrument :
 MSVOA_X
 ClientSampleId :
 200819016-02-VOA

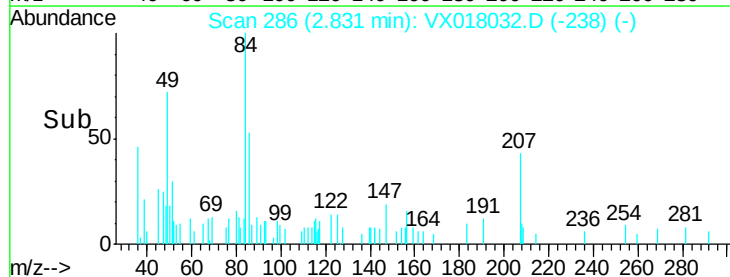
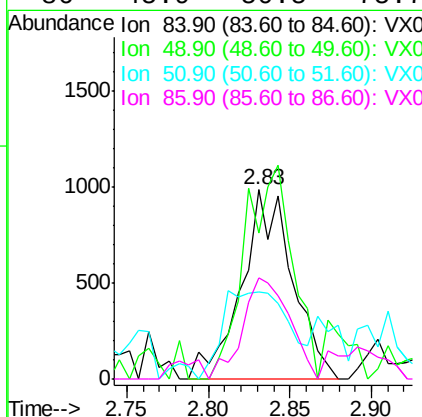
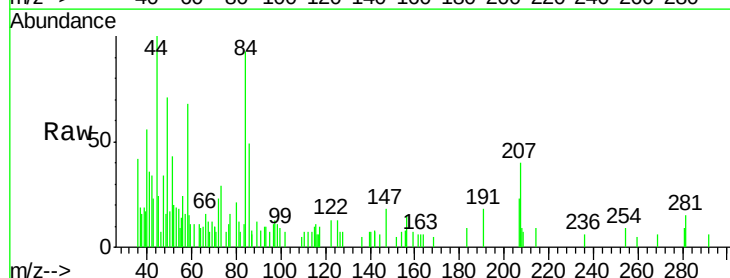
Tot Ion: 73 Resp: 51006
 Ion Ratio Lower Upper
 73 100
 57 21.6 16.9 25.3

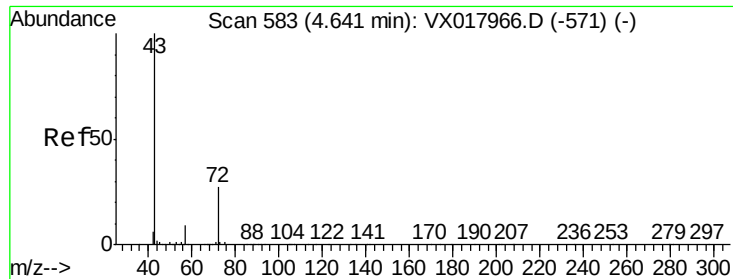


#20

Methylene Chloride
 Concen: 0.334 ug/l
 RT: 2.83 min Scan# 286
 Delta R.T. -0.01 min
 Lab File: VX018032.D
 Acq: 20 Aug 2020 14:10

Tgt Ion: 84 Resp: 2142
 Ion Ratio Lower Upper
 84 100
 49 77.0 91.8 137.6#
 51 38.9 27.8 41.8
 86 45.9 50.5 75.7#

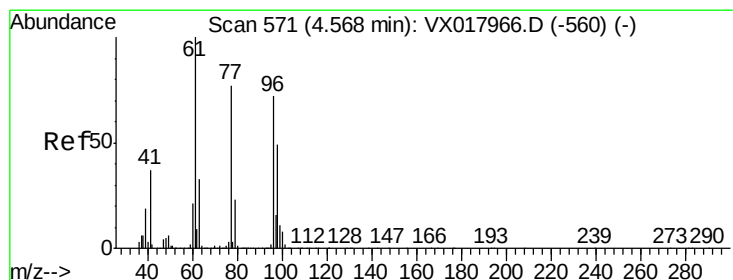
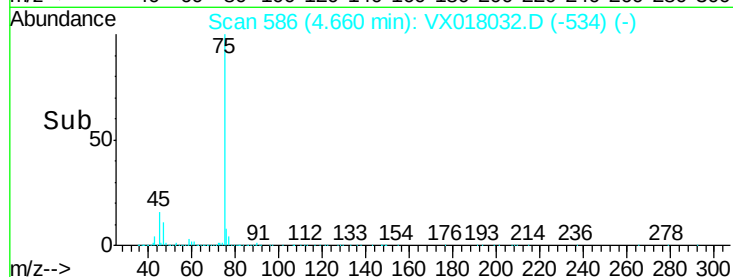
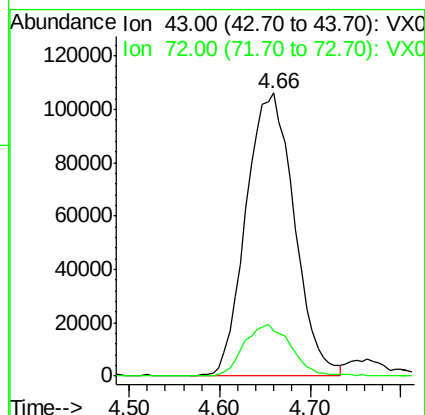
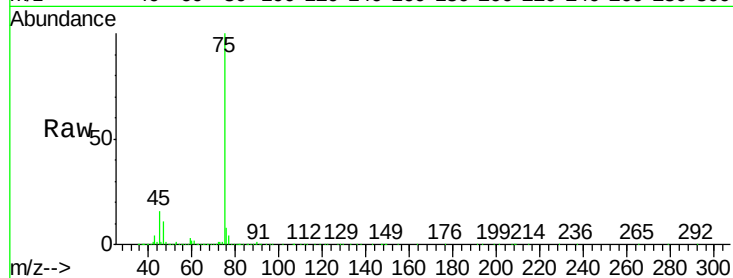




#25
2-Butanone
Concen: 74.081 ug/l
RT: 4.66 min Scan# 586
Delta R.T. 0.02 min
Lab File: VX018032.D
Acq: 20 Aug 2020 14:10

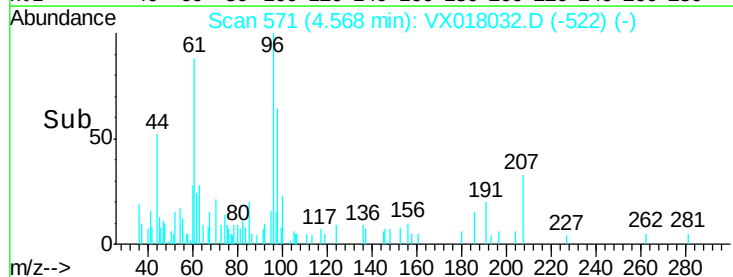
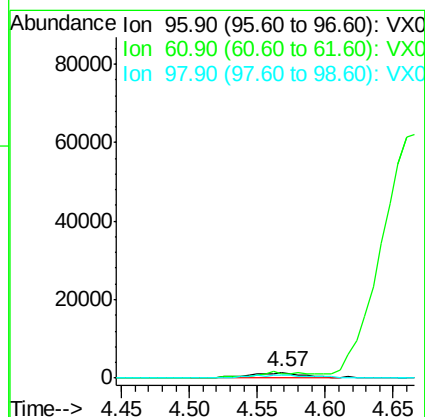
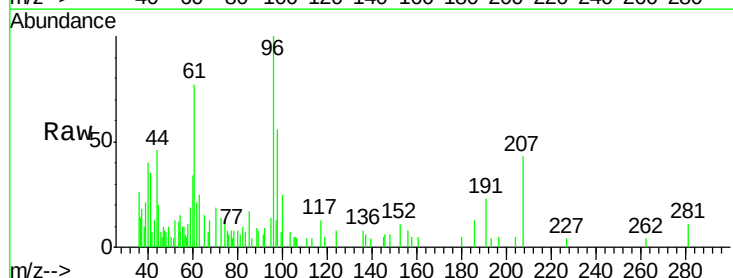
Instrument :
MSVOA_X
ClientSampleId :
200819016-02-VOA

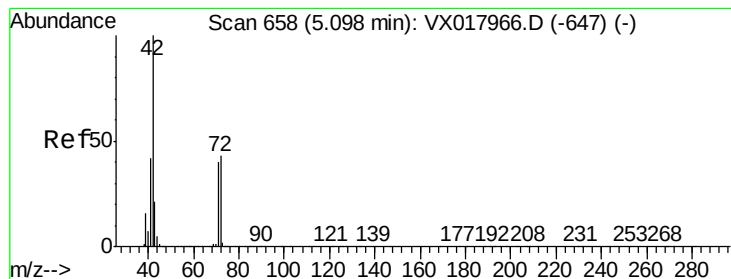
Tot Ion: 43 Resp: 390116
Ion Ratio Lower Upper
43 100
72 16.1 21.4 32.2#



#27
cis-1,2-Dichloroethene
Concen: 0.618 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.00 min
Lab File: VX018032.D
Acq: 20 Aug 2020 14:10

Tgt Ion: 96 Resp: 4075
Ion Ratio Lower Upper
96 100
61 0.0 0.0 298.8
98 63.1 0.0 130.2





#29

Tetrahydrofuran

Concen: 454.973 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.01 min

Lab File: VX018032.D

Acq: 20 Aug 2020 14:10

Instrument :

MSVOA_X

ClientSampleId :

200819016-02-VOA

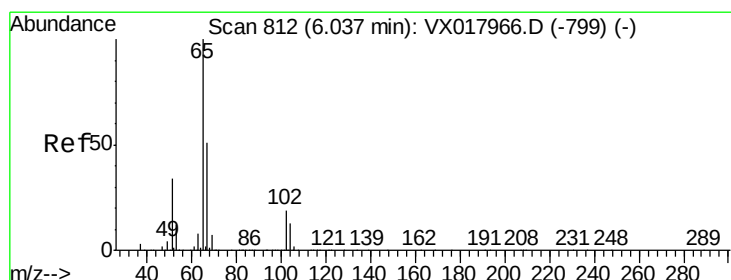
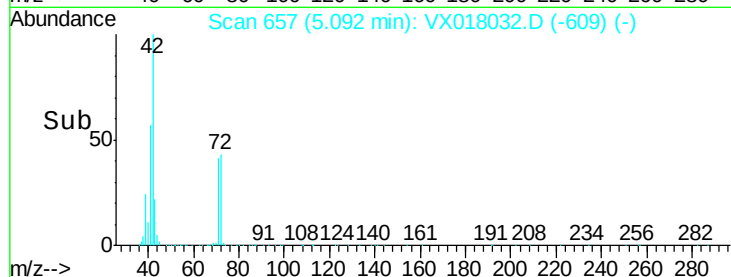
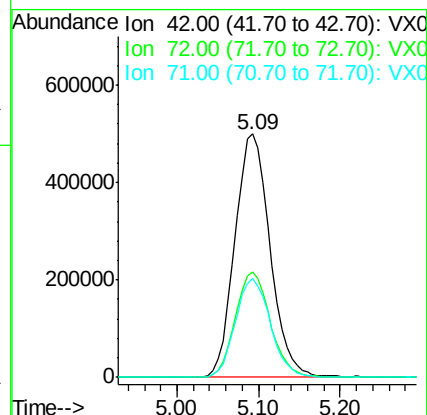
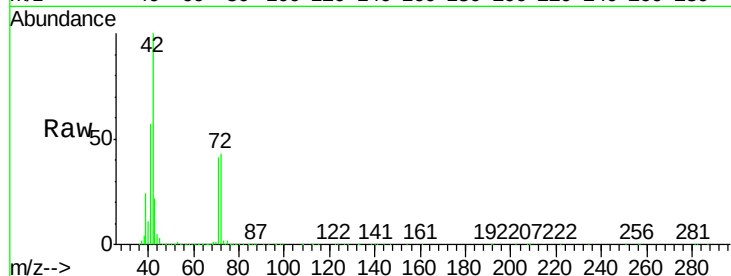
Tot Ion: 42 Resp: 1488020

Ion Ratio Lower Upper

42 100

72 43.2 35.9 53.9

71 40.4 33.0 49.4



#33

1,2-Dichloroethane-d4

Concen: 43.401 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.00 min

Lab File: VX018032.D

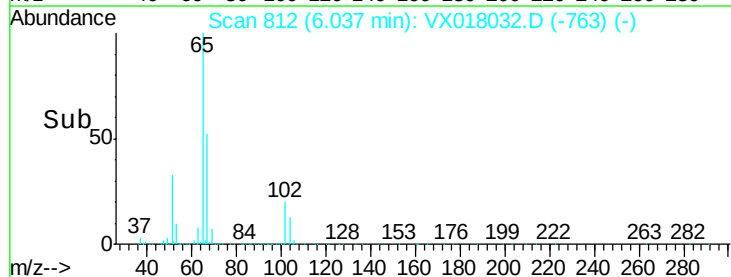
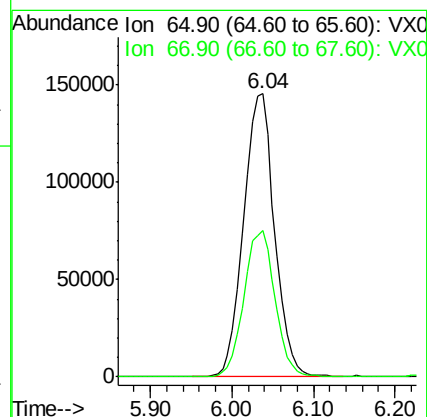
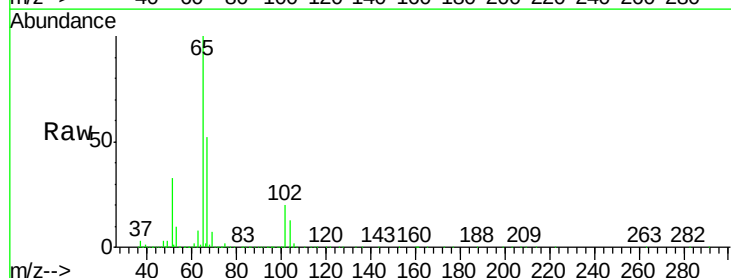
Acq: 20 Aug 2020 14:10

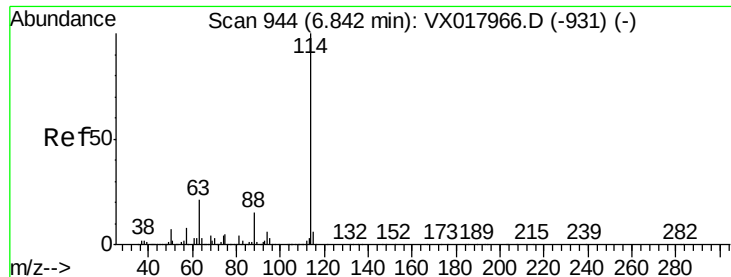
Tgt Ion: 65 Resp: 383745

Ion Ratio Lower Upper

65 100

67 51.7 0.0 103.0

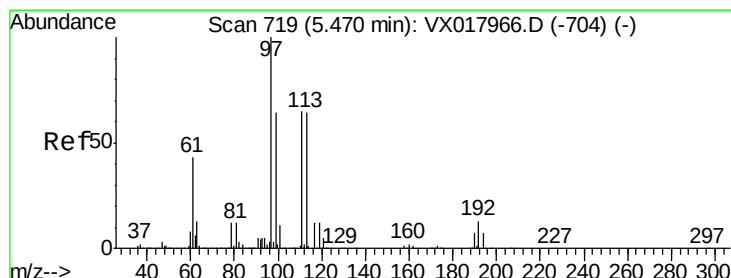
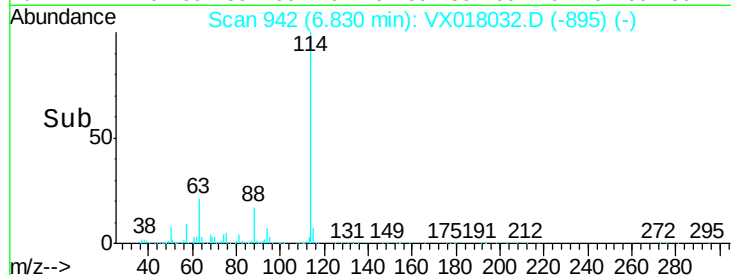
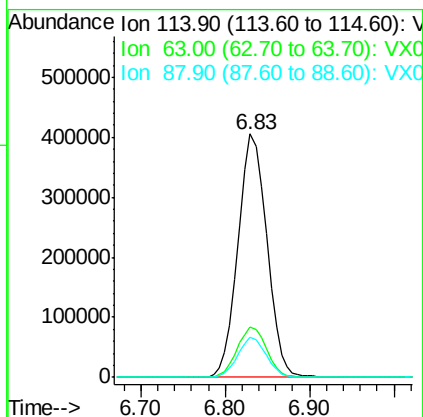
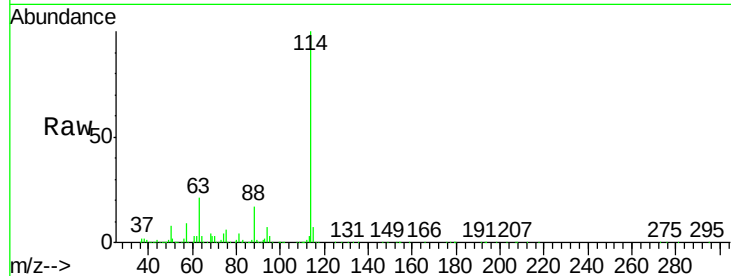




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX018032.D
 Acq: 20 Aug 2020 14:10

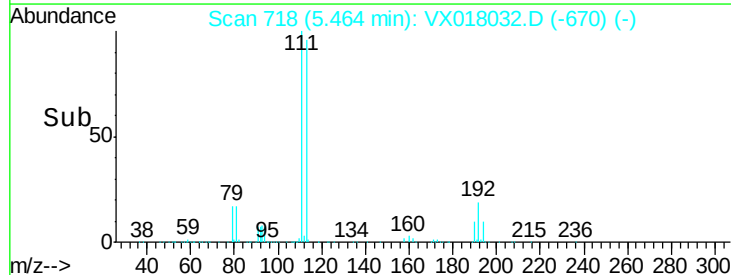
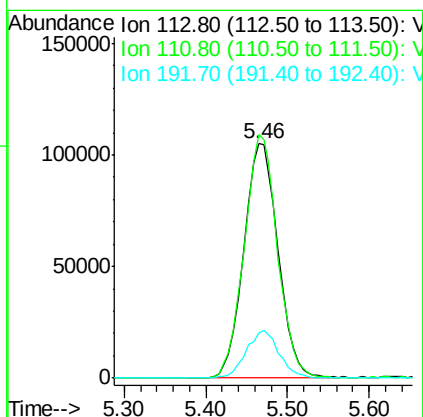
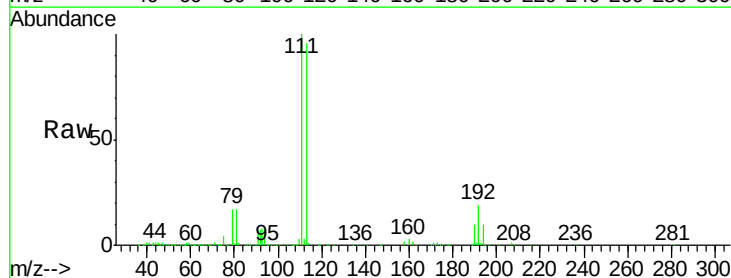
Instrument :
 MSVOA_X
 ClientSampleId :
 200819016-02-VOA

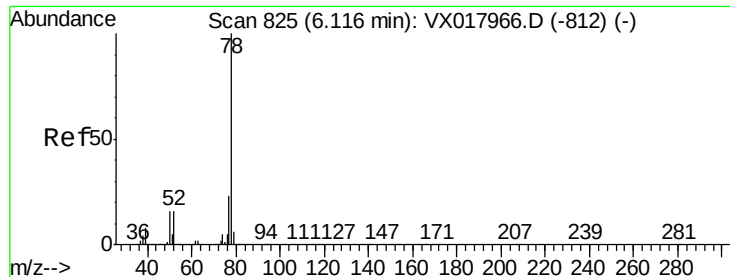
Tot Ion:	114	Resp:	942393
Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	42.6
88	16.5	0.0	30.2



#35
 Dibromofluoromethane
 Concen: 43.701 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX018032.D
 Acq: 20 Aug 2020 14:10

Tgt Ion:	113	Resp:	306689
Ion	Ratio	Lower	Upper
113	100		
111	100.9	83.5	125.3
192	19.6	16.2	24.4





#40

Benzene

Concen: 3.405 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.00 min

Lab File: VX018032.D

Acq: 20 Aug 2020 14:10

Instrument :

MSVOA_X

ClientSampleId :

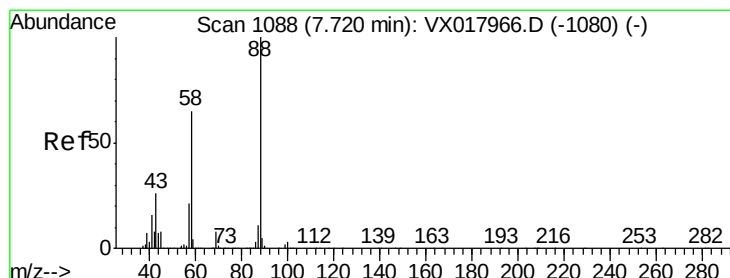
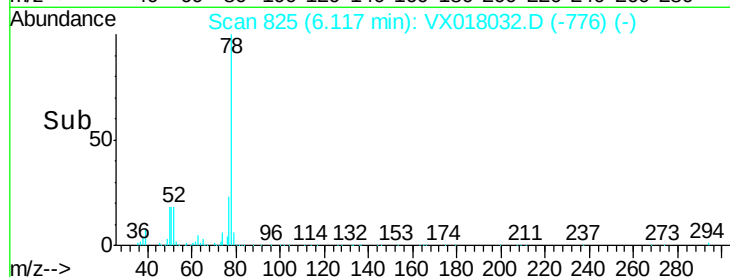
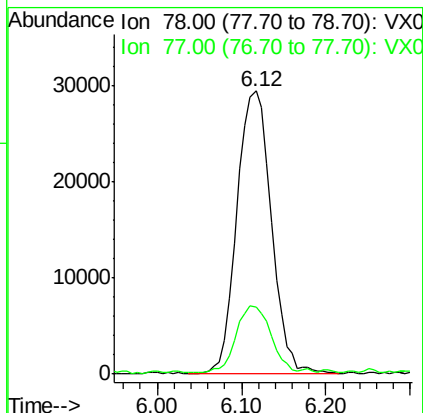
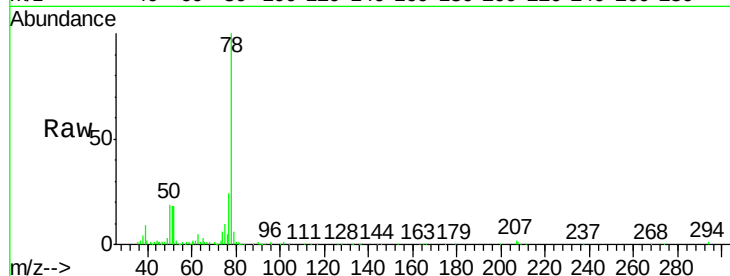
200819016-02-VOA

Tot Ion: 78 Resp: 80885

Ion Ratio Lower Upper

78 100

77 23.2 18.8 28.2



#49

1,4-Dioxane

Concen: 82.232 ug/l

RT: 7.72 min Scan# 1088

Delta R.T. 0.00 min

Lab File: VX018032.D

Acq: 20 Aug 2020 14:10

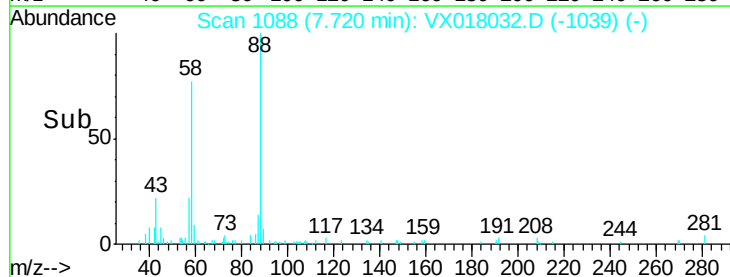
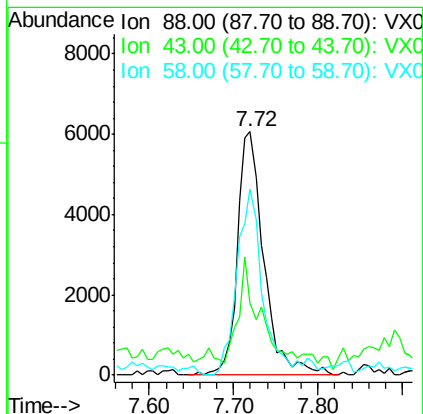
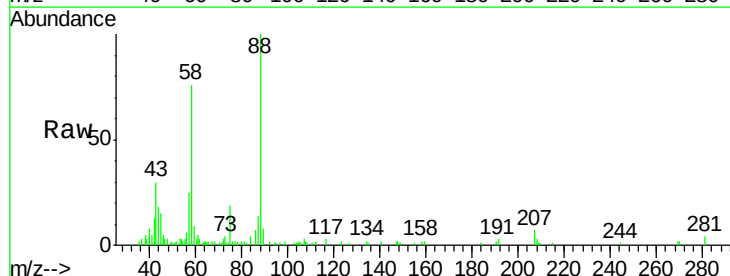
Tgt Ion: 88 Resp: 12715

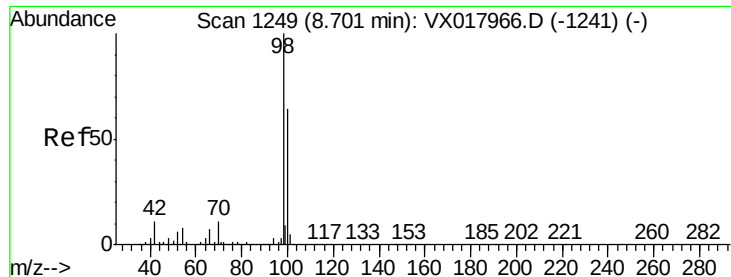
Ion Ratio Lower Upper

88 100

43 33.6 27.3 40.9

58 73.2 57.7 86.5

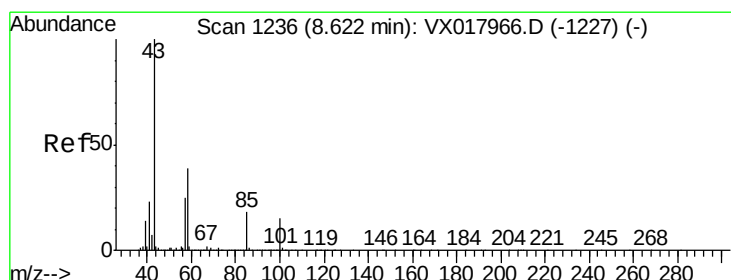
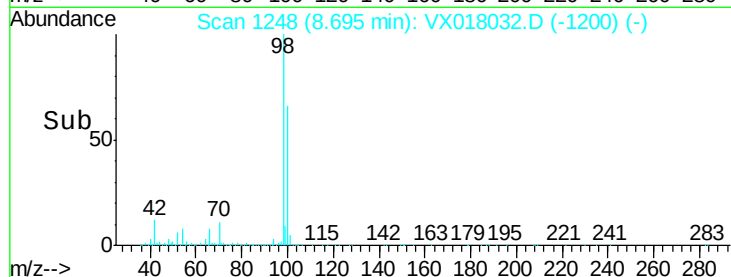
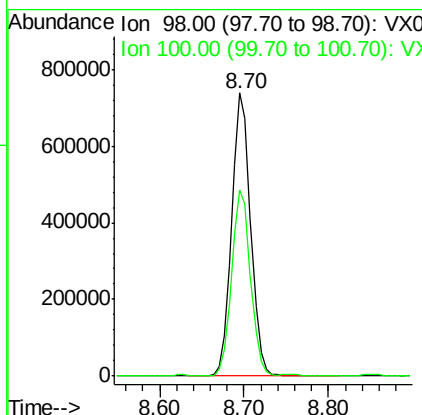
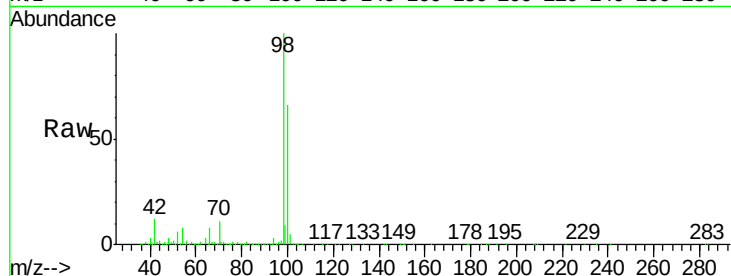




#50
Toluene-d8
Concen: 45.558 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.01 min
Lab File: VX018032.D
Acq: 20 Aug 2020 14:10

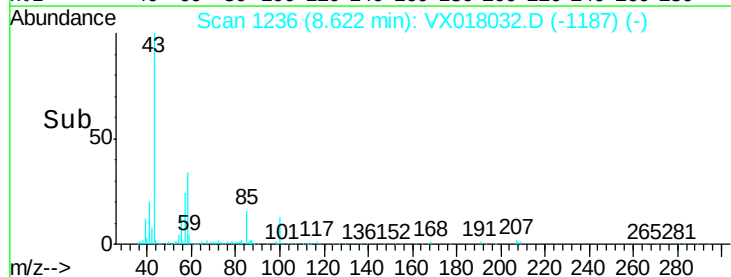
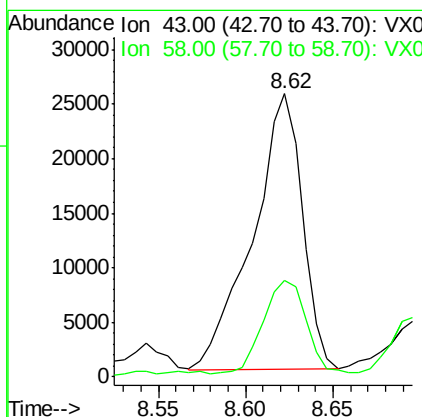
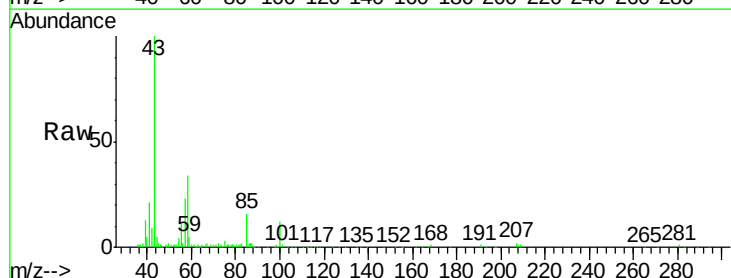
Instrument :
MSVOA_X
ClientSampleId :
200819016-02-VOA

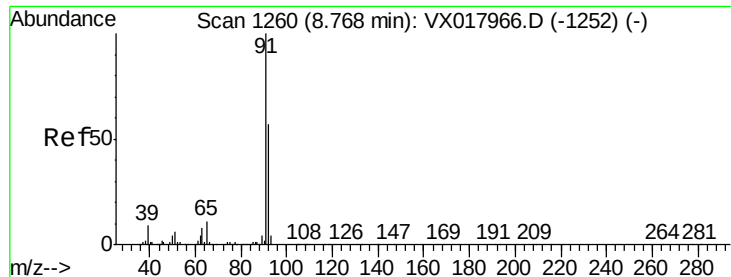
Tot Ion: 98 Resp: 1130145
Ion Ratio Lower Upper
98 100
100 65.2 51.4 77.2



#51
4-Methyl-2-Pentanone
Concen: 4.867 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX018032.D
Acq: 20 Aug 2020 14:10

Tgt Ion: 43 Resp: 49925
Ion Ratio Lower Upper
43 100
58 30.8 31.0 46.4#





#52

Toluene

Concen: 1.953 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX018032.D

Acq: 20 Aug 2020 14:10

Instrument :

MSVOA_X

ClientSampleId :

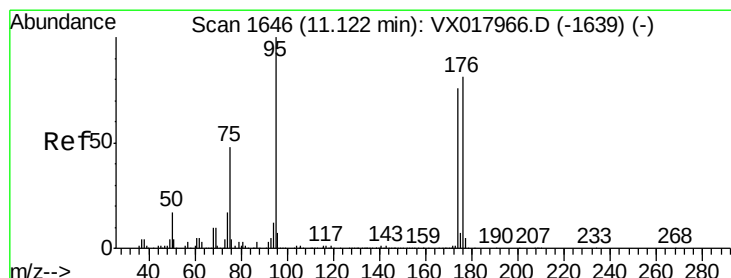
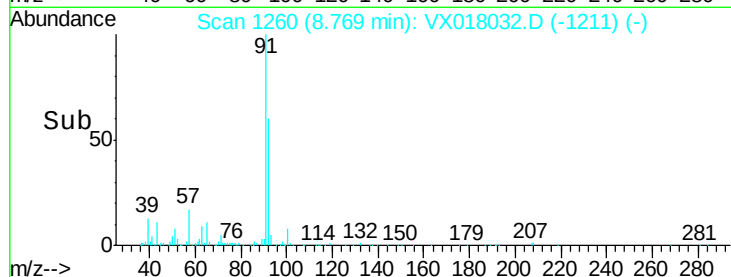
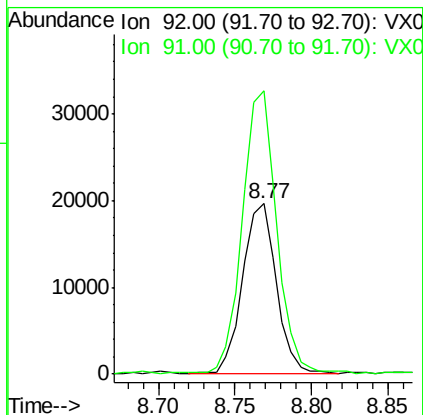
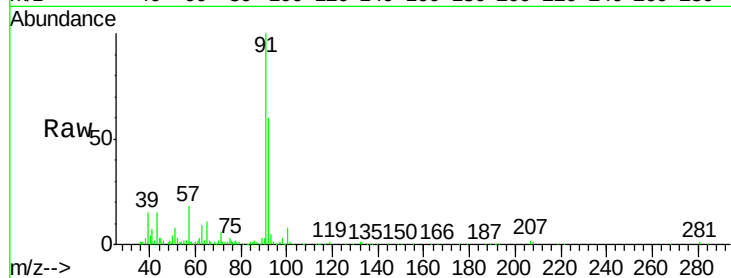
200819016-02-VOA

Tot Ion: 92 Resp: 30359

Ion Ratio Lower Upper

92 100

91 168.5 138.4 207.6



#62

4-Bromofluorobenzene

Concen: 48.440 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX018032.D

Acq: 20 Aug 2020 14:10

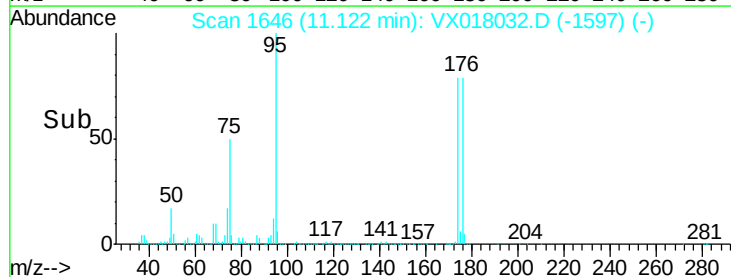
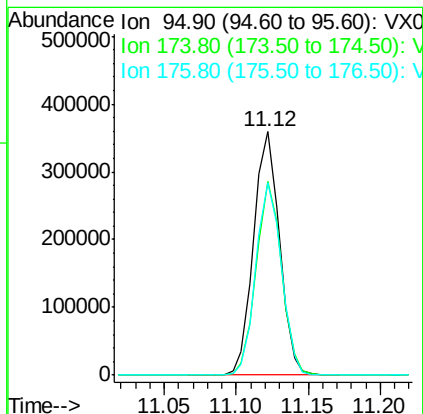
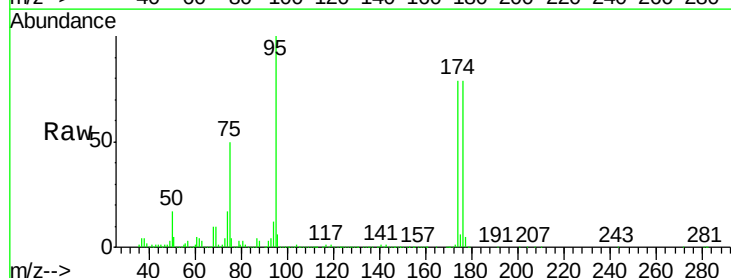
Tgt Ion: 95 Resp: 443812

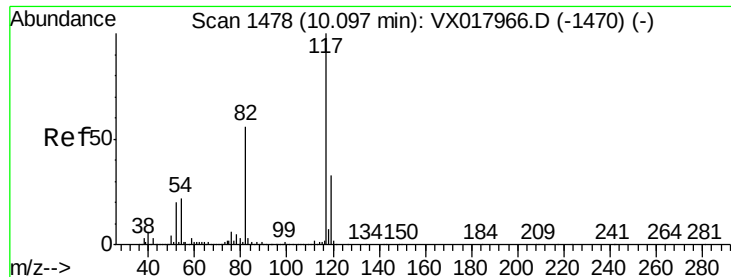
Ion Ratio Lower Upper

95 100

174 78.1 0.0 166.0

176 78.0 0.0 161.0

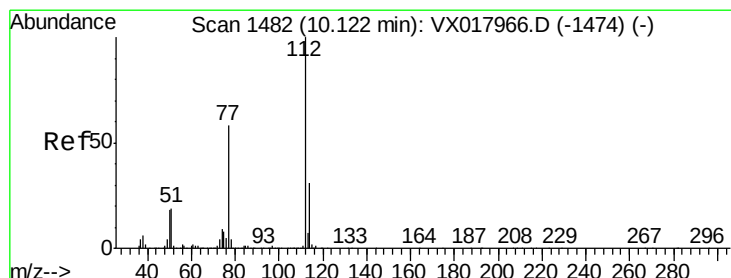
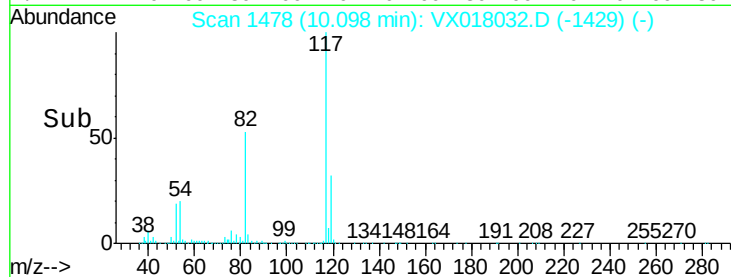
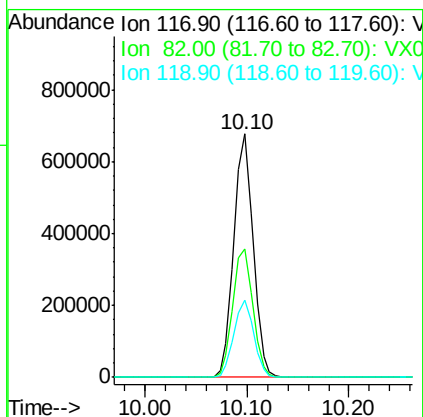
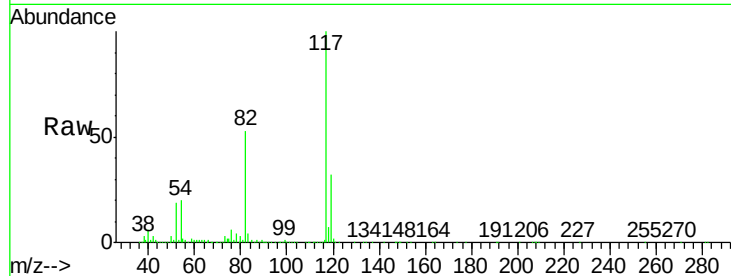




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX018032.D
Acq: 20 Aug 2020 14:10

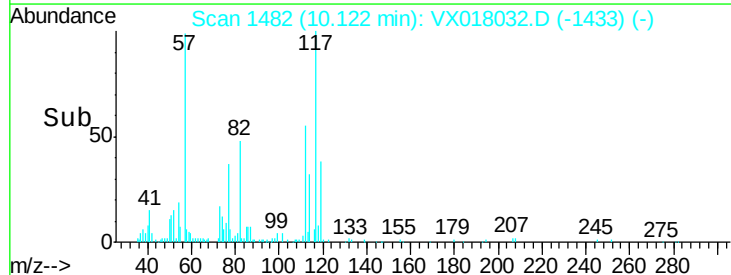
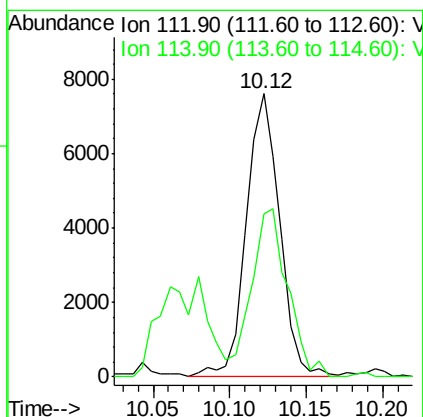
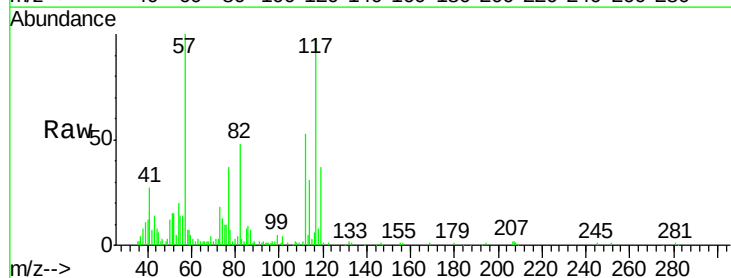
Instrument :
MSVOA_X
ClientSampleId :
200819016-02-VOA

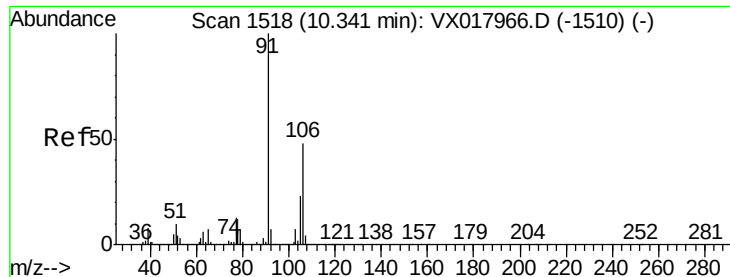
Tot Ion:117 Resp: 883809
Ion Ratio Lower Upper
117 100
82 52.8 44.6 66.8
119 31.9 26.2 39.4



#65
Chlorobenzene
Concen: 0.659 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX018032.D
Acq: 20 Aug 2020 14:10

Tgt Ion:112 Resp: 11554
Ion Ratio Lower Upper
112 100
114 57.7 25.0 37.6#

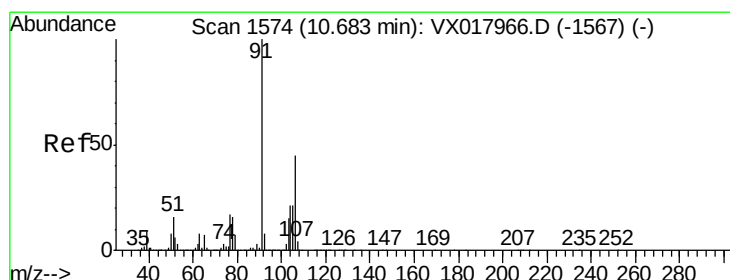
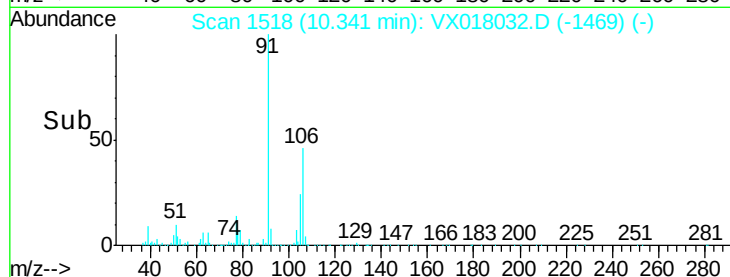
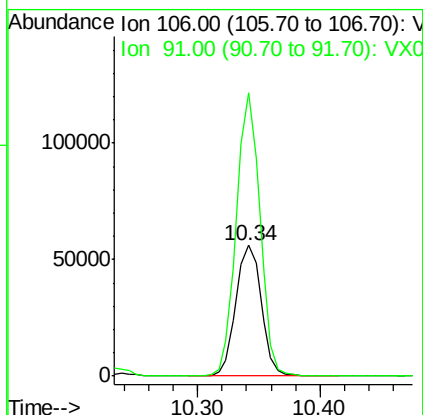
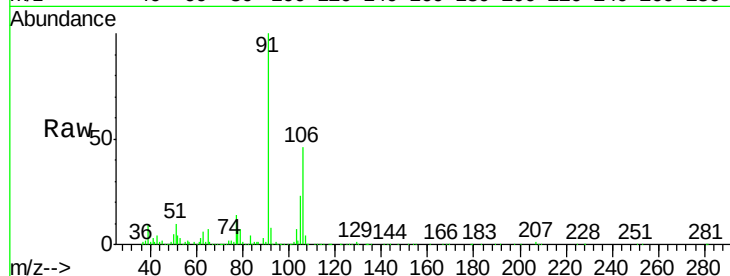




#68
m/p-Xylenes
Concen: 7.283 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX018032.D
Acq: 20 Aug 2020 14:10

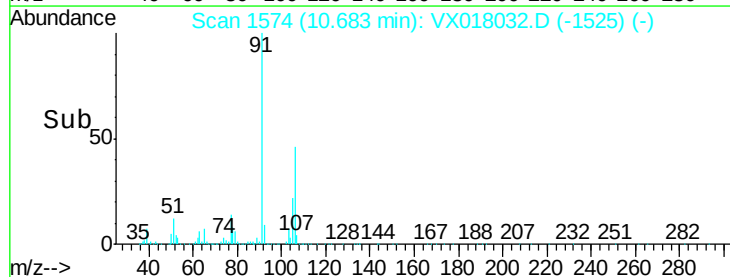
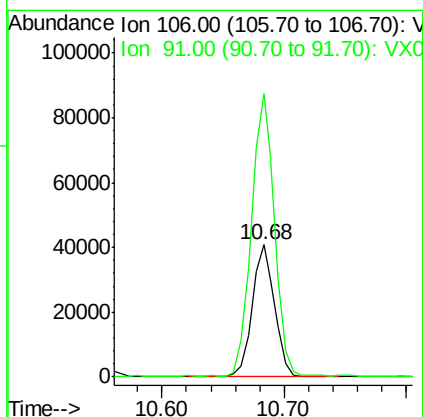
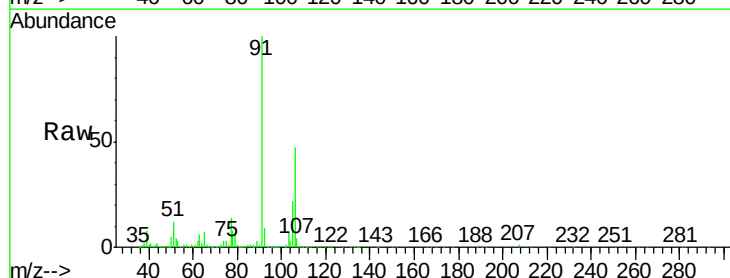
Instrument :
MSVOA_X
ClientSampleId :
200819016-02-VOA

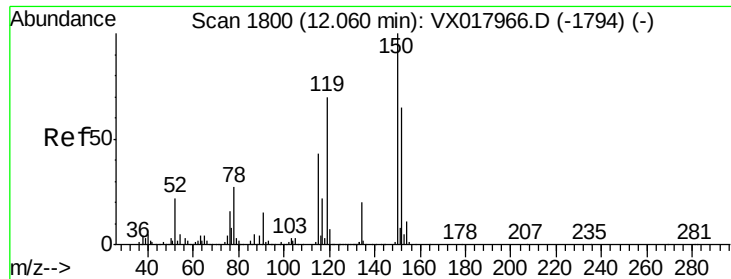
Tot Ion:106 Resp: 81089
Ion Ratio Lower Upper
106 100
91 200.4 167.4 251.2



#69
o-Xylene
Concen: 4.848 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX018032.D
Acq: 20 Aug 2020 14:10

Tgt Ion:106 Resp: 52052
Ion Ratio Lower Upper
106 100
91 218.5 108.1 324.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX018032.D

Acq: 20 Aug 2020 14:10

Instrument :

MSVOA_X

ClientSampleId :

200819016-02-VOA

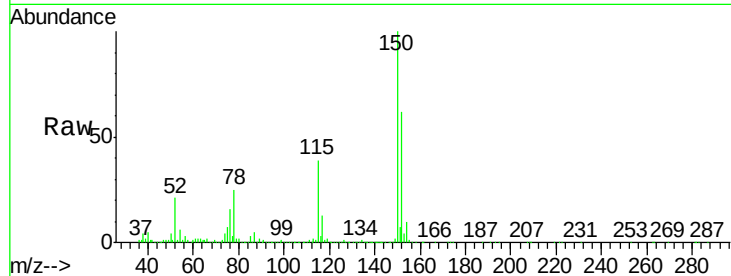
Tot Ion:152 Resp: 463121

Ion Ratio Lower Upper

152 100

115 59.0 40.6 121.7

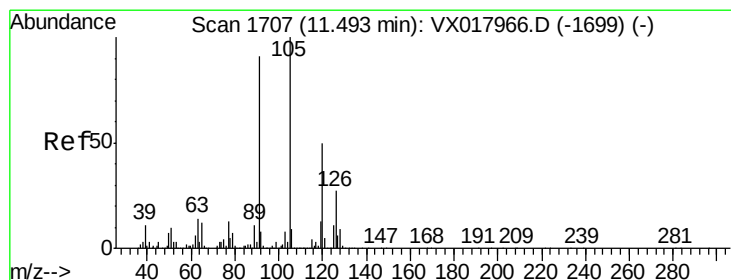
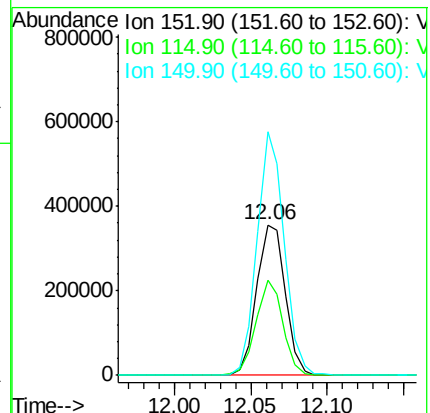
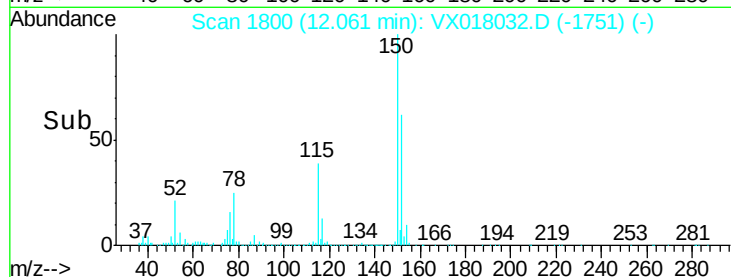
150 153.8 0.0 346.4



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



#80

1,3,5-Trimethylbenzene

Concen: 0.658 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.00 min

Lab File: VX018032.D

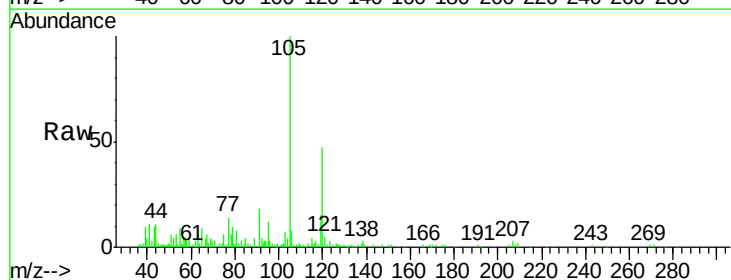
Acq: 20 Aug 2020 14:10

Tgt Ion:105 Resp: 17223

Ion Ratio Lower Upper

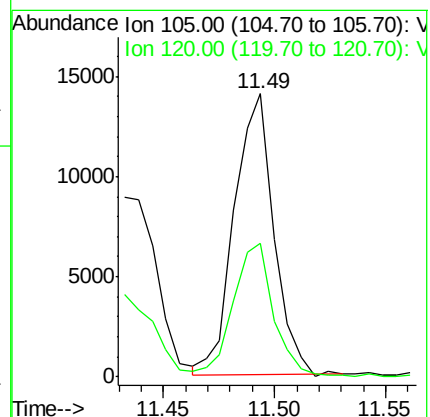
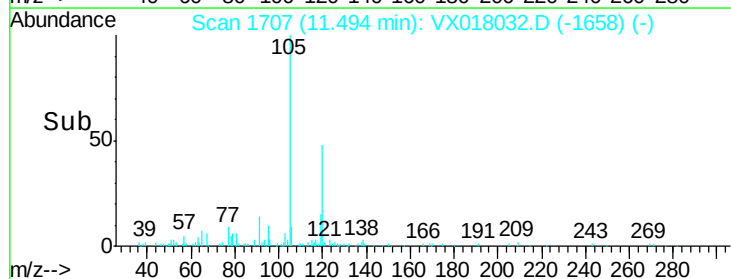
105 100

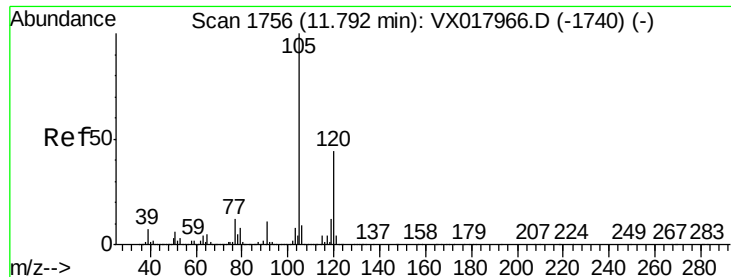
120 49.0 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

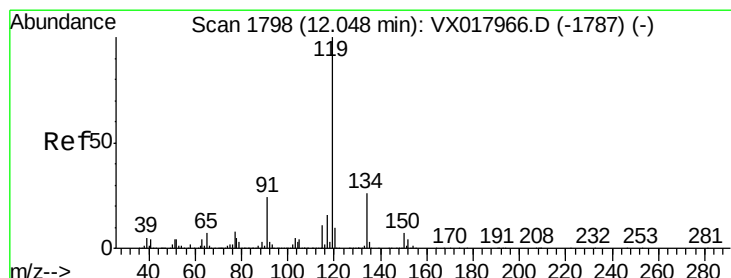
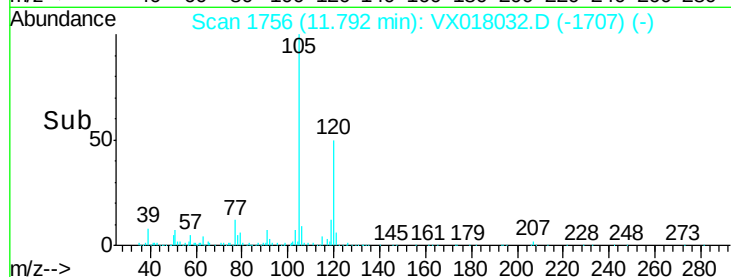
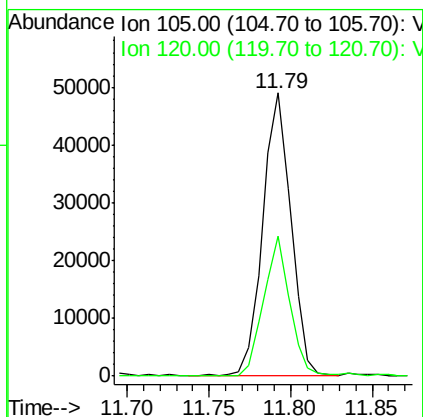
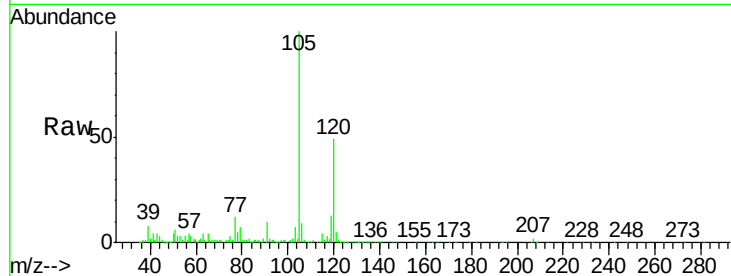




#84
 1,2,4-Trimethylbenzene
 Concen: 2.184 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX018032.D
 Acq: 20 Aug 2020 14:10

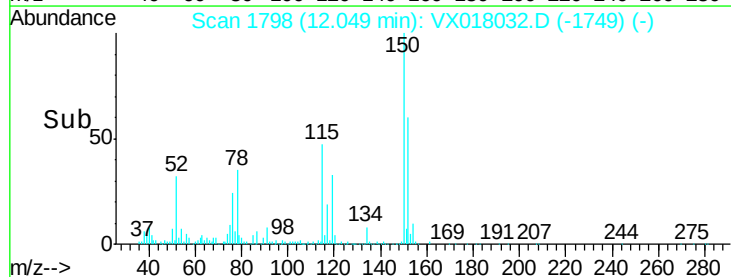
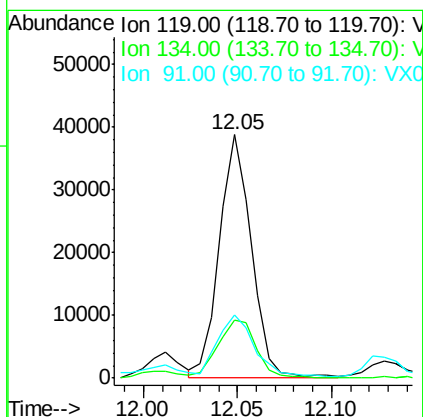
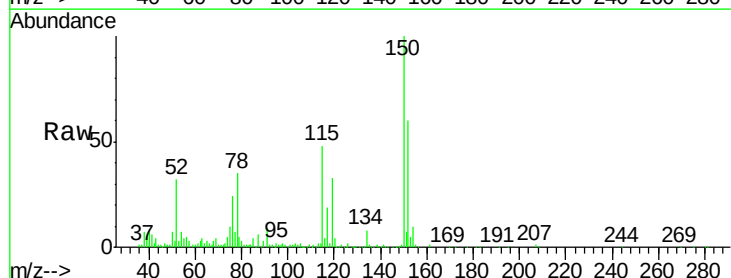
Instrument :
 MSVOA_X
 ClientSampleId :
 200819016-02-VOA

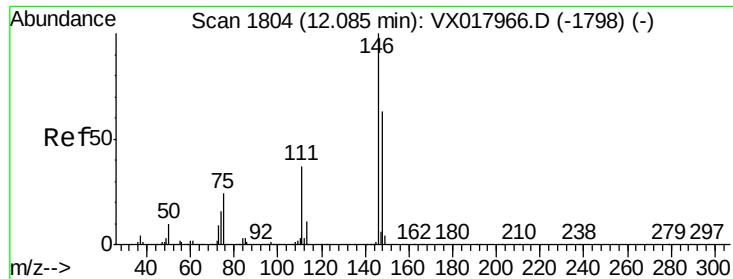
Tot Ion:105 Resp: 59161
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.1 66.1



#86
 p-Isopropyltoluene
 Concen: 1.641 ug/l
 RT: 12.05 min Scan# 1798
 Delta R.T. 0.00 min
 Lab File: VX018032.D
 Acq: 20 Aug 2020 14:10

Tgt Ion:119 Resp: 45536
 Ion Ratio Lower Upper
 119 100
 134 28.3 12.7 38.0
 91 29.3 12.2 36.4





#88

1,4-Dichlorobenzene

Concen: 4.018 ug/l

RT: 12.09 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VX018032.D

Acq: 20 Aug 2020 14:10

Instrument :

MSVOA_X

ClientSampleId :

200819016-02-VOA

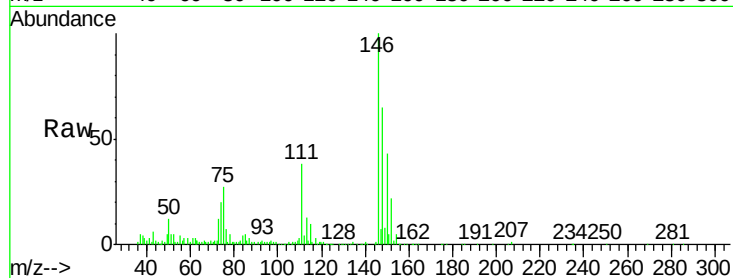
Tot Ion:146 Resp: 59251

Ion Ratio Lower Upper

146 100

111 49.1 19.7 59.1

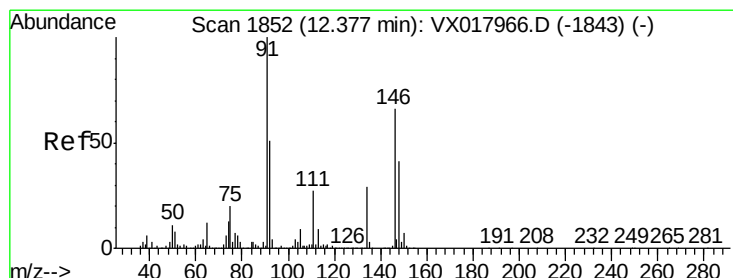
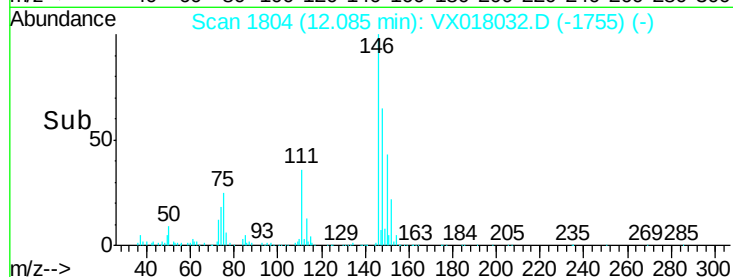
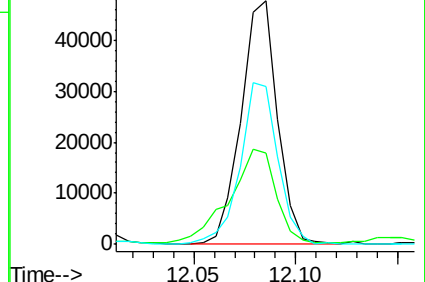
148 68.8 31.9 95.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#91

1,2-Dichlorobenzene

Concen: 0.347 ug/l

RT: 12.38 min Scan# 1852

Delta R.T. 0.00 min

Lab File: VX018032.D

Acq: 20 Aug 2020 14:10

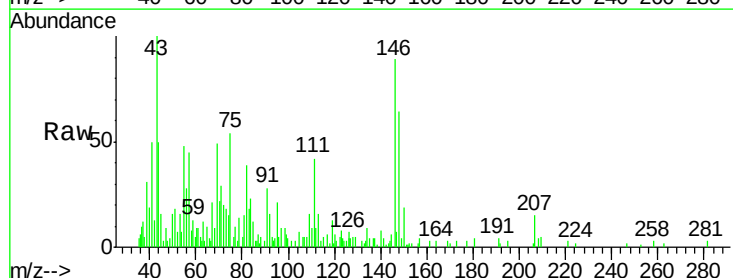
Tgt Ion:146 Resp: 4823

Ion Ratio Lower Upper

146 100

111 51.8 20.6 61.9

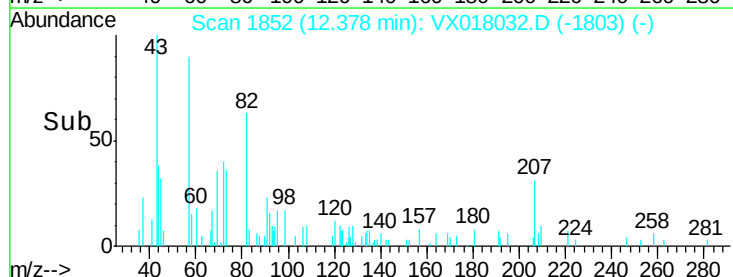
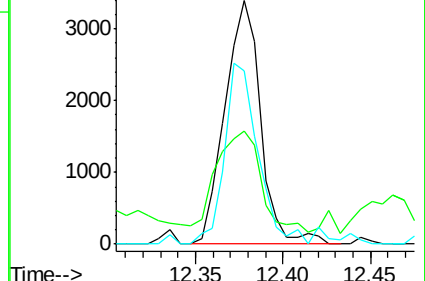
148 69.3 31.2 93.6

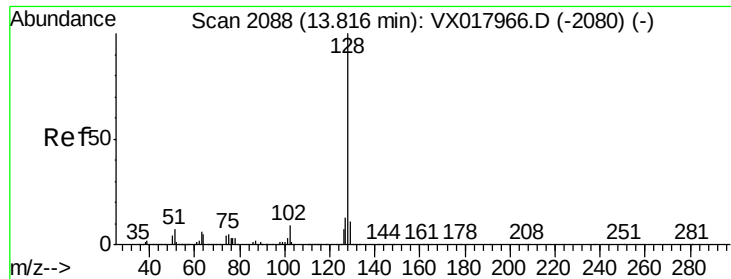


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

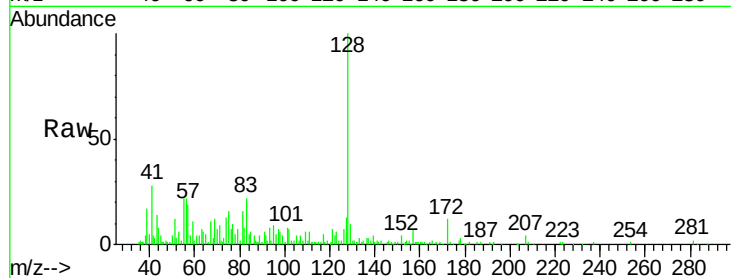




#95
Naphthalene
Concen: 0.847 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX018032.D
Acq: 20 Aug 2020 14:10

Instrument :
MSVOA_X
ClientSampleId :
200819016-02-VOA

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.7	16.1
129	13.1	8.6	13.0



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

