

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081920\
 Data File : VX017991.D
 Acq On : 19 Aug 2020 17:36
 Operator : JC/SP
 Sample : L3721-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 E-LGC-6

Quant Time: Aug 20 05:22:08 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	454056	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	770649	50.00	ug/l	-0.01
63) Chlorobenzene-d5	10.10	117	652014	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	322006	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	292414	43.93	ug/l	0.00
Spiked Amount						
			Recovery	=	87.86%	
35) Dibromofluoromethane	5.47	113	253295	44.14	ug/l	0.00
Spiked Amount						
			Recovery	=	88.28%	
50) Toluene-d8	8.70	98	911611	44.94	ug/l	0.00
Spiked Amount						
			Recovery	=	89.88%	
62) 4-Bromofluorobenzene	11.12	95	303799	40.55	ug/l	0.00
Spiked Amount						
			Recovery	=	81.10%	

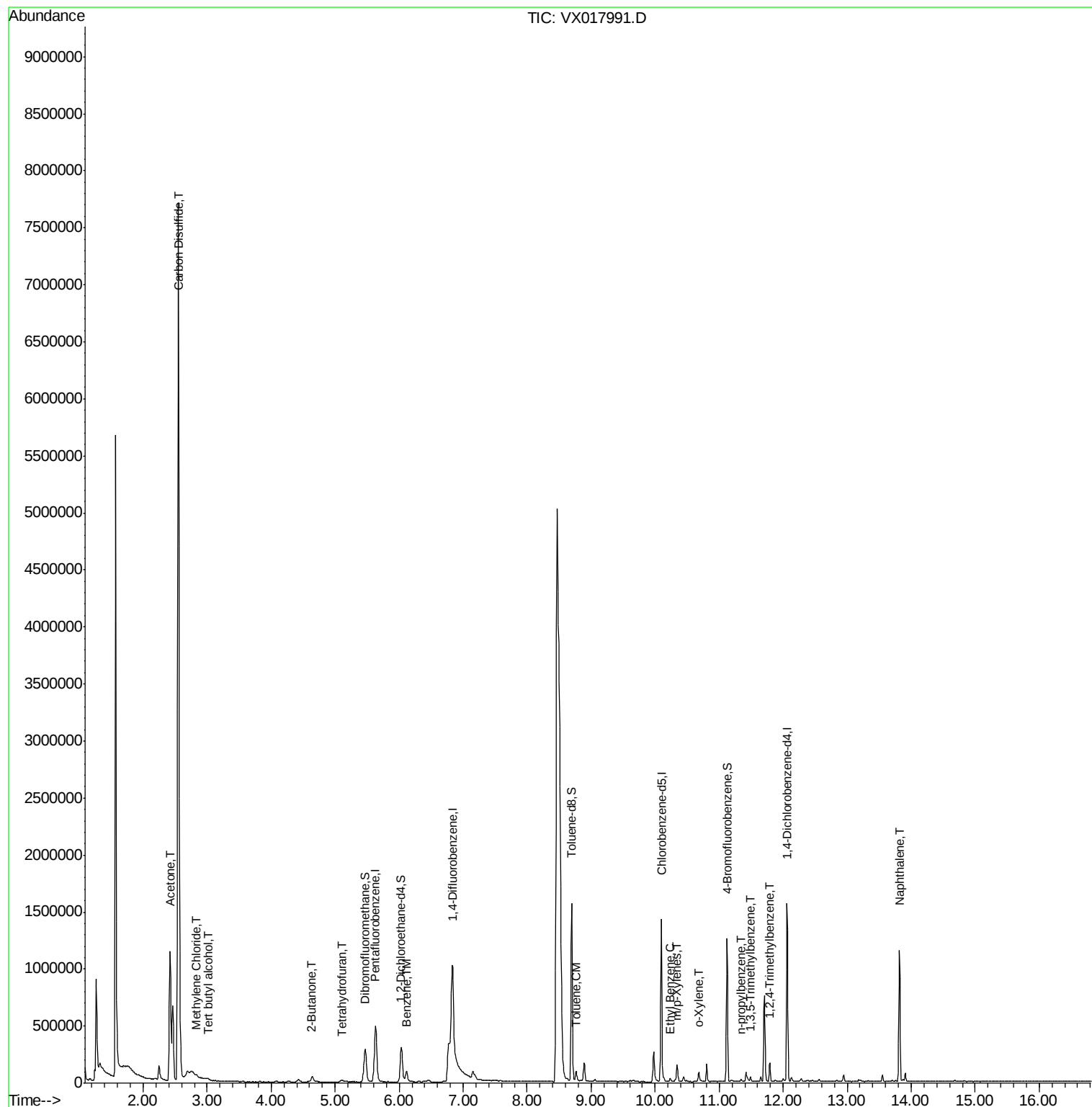
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	5809	4.520	ug/l #	91
16) Acetone	2.42	43	1216581	464.594	ug/l	99
17) Carbon Disulfide	2.55	76	9551869	961.927	ug/l	99
20) Methylene Chloride	2.83	84	4551	0.943	ug/l #	91
25) 2-Butanone	4.64	43	77231	19.481	ug/l	98
29) Tetrahydrofuran	5.10	42	9323	3.787	ug/l	88
40) Benzene	6.12	78	107589	5.538	ug/l	100
52) Toluene	8.77	92	29573	2.327	ug/l	97
67) Ethyl Benzene	10.24	91	15798	0.740	ug/l	98
68) m/p-Xylenes	10.34	106	30637	3.730	ug/l	100
69) o-Xylene	10.68	106	17931	2.264	ug/l	98
78) n-propylbenzene	11.35	91	10606	0.438	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	18069	0.993	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	71203	3.780	ug/l	100
95) Naphthalene	13.82	128	682395	34.012	ug/l	100

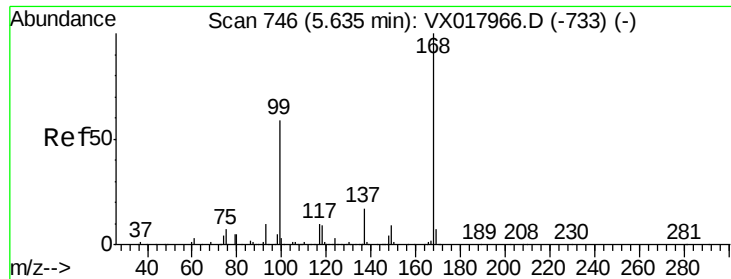
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017991.D

Acq: 19 Aug 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

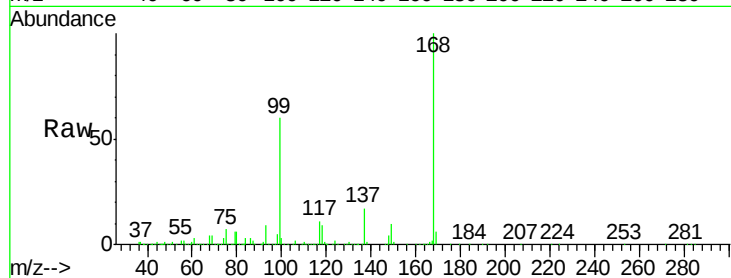
E-LGC-6

Tot Ion:168 Resp: 454056

Ion Ratio Lower Upper

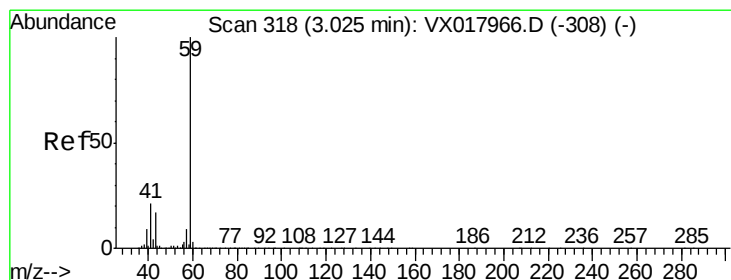
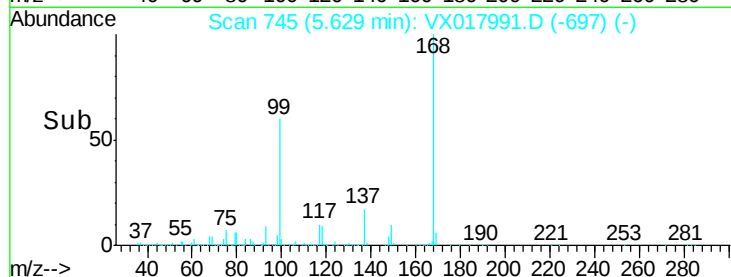
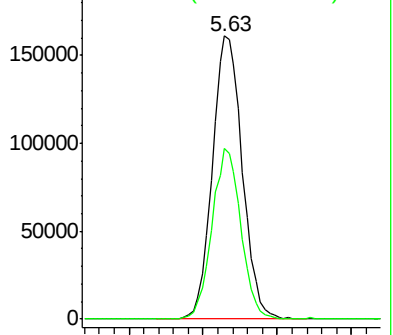
168 100

99 60.2 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 4.520 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.01 min

Lab File: VX017991.D

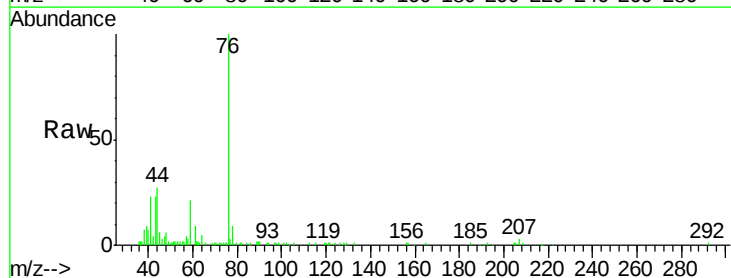
Acq: 19 Aug 2020 17:36

Tgt Ion: 59 Resp: 5809

Ion Ratio Lower Upper

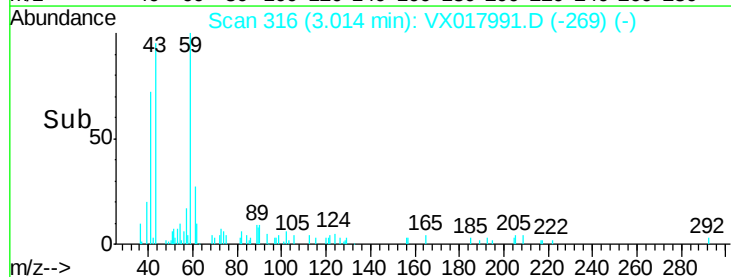
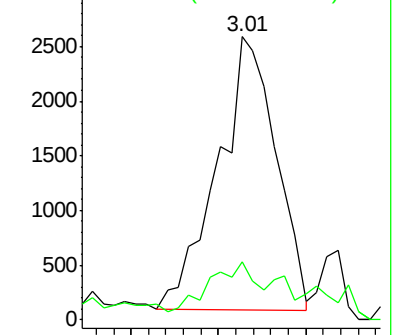
59 100

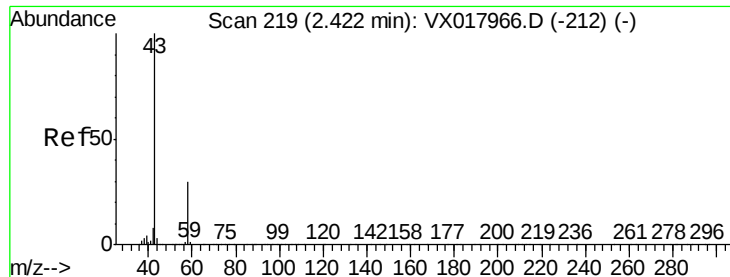
57 14.2 8.6 13.0#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 464.594 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.00 min

Lab File: VX017991.D

Acq: 19 Aug 2020 17:36

Instrument :

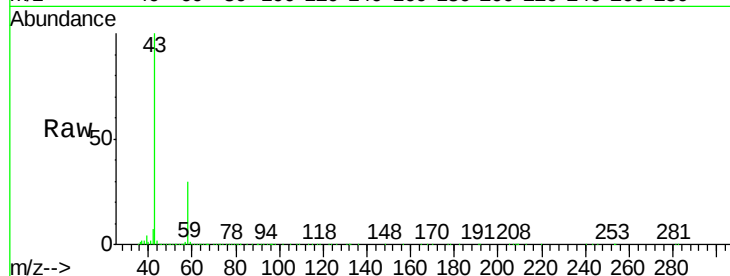
MSVOA_X

ClientSampleId :

E-LGC-6

Tot Ion: 43 Resp: 1216581

Ion	Ratio	Lower	Upper
43	100		
58	30.2	23.8	35.8

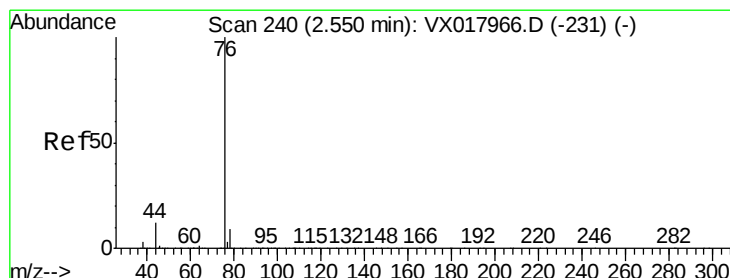
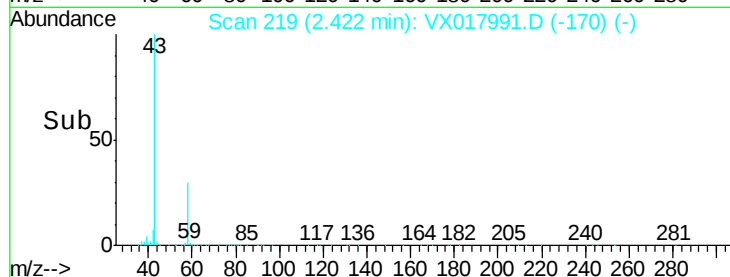


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

Time--> 2.30 2.40 2.50



#17

Carbon Disulfide

Concen: 961.927 ug/l

RT: 2.55 min Scan# 240

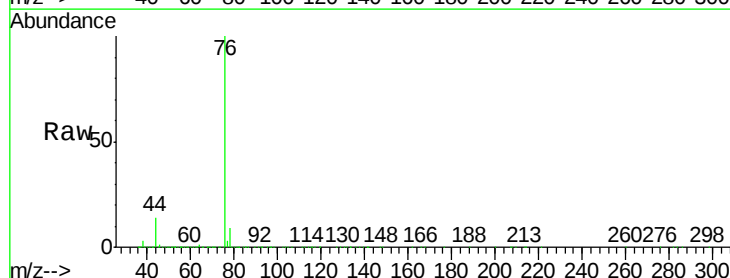
Delta R.T. 0.00 min

Lab File: VX017991.D

Acq: 19 Aug 2020 17:36

Tgt Ion: 76 Resp: 9551869

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.3	10.9

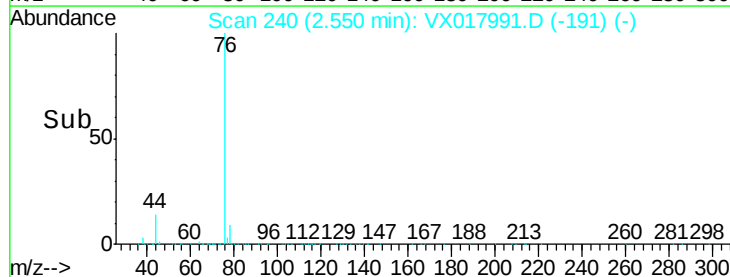


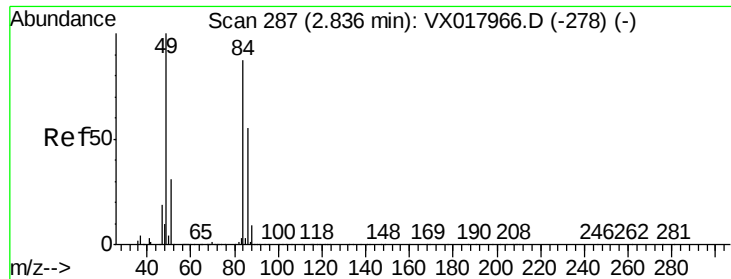
Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

2.55

Time--> 2.45 2.50 2.55 2.60 2.65

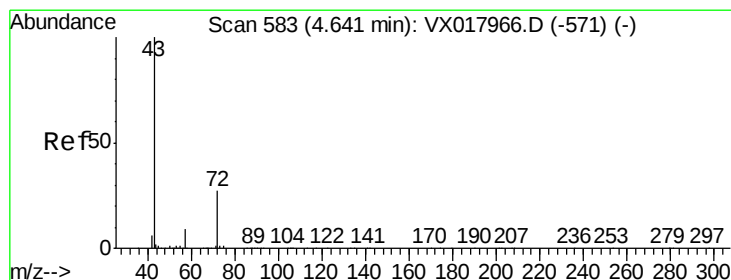
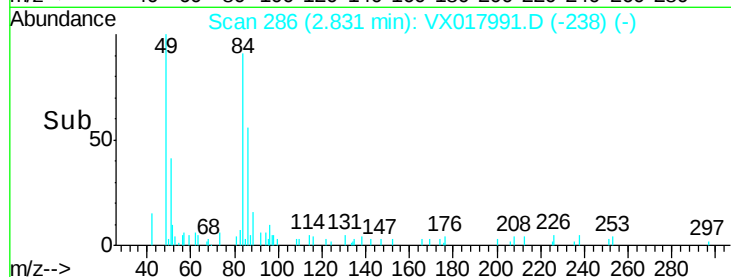
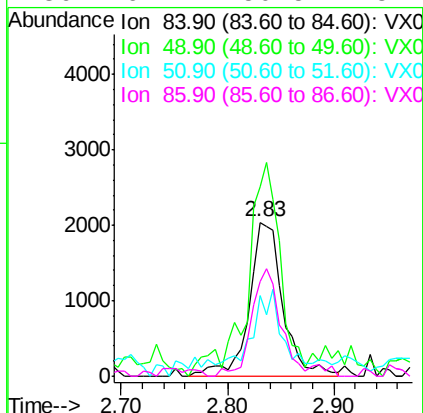
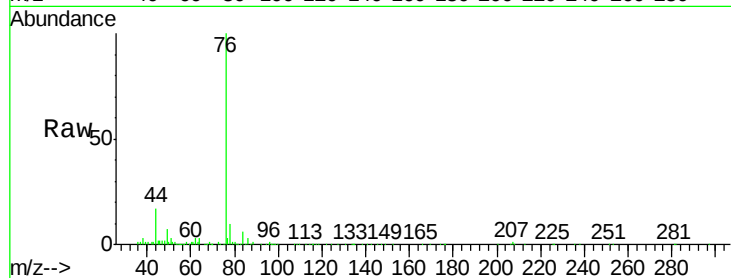




#20
Methvlene Chloride
Concen: 0.943 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.01 min
Lab File: VX017991.D
Acq: 19 Aug 2020 17:36

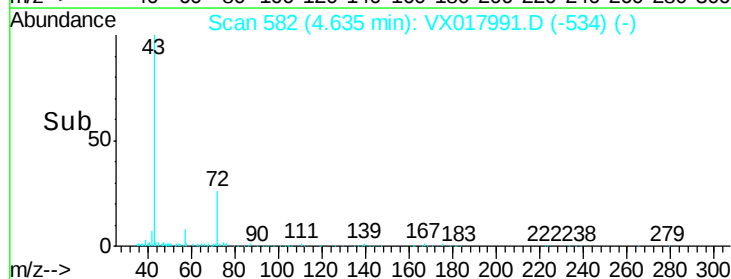
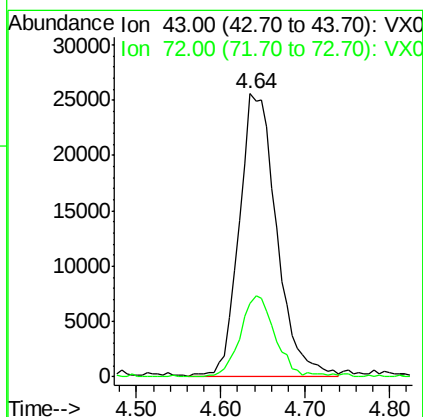
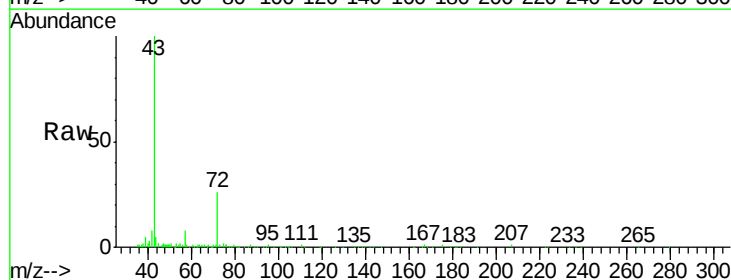
Instrument :
MSVOA_X
ClientSampleId :
E-LGC-6

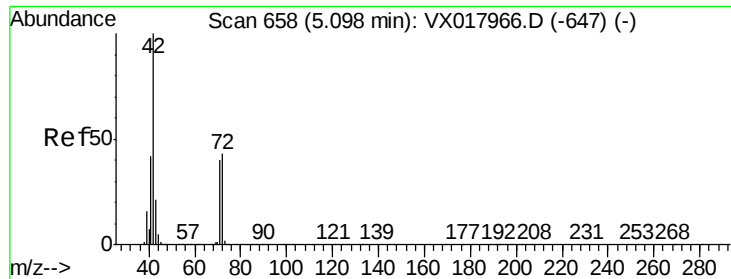
Tot Ion: 84 Resp: 4551
Ion Ratio Lower Upper
84 100
49 123.4 91.8 137.6
51 47.8 27.8 41.8#
86 61.7 50.5 75.7



#25
2-Butanone
Concen: 19.481 ug/l
RT: 4.64 min Scan# 582
Delta R.T. -0.01 min
Lab File: VX017991.D
Acq: 19 Aug 2020 17:36

Tgt Ion: 43 Resp: 77231
Ion Ratio Lower Upper
43 100
72 25.7 21.4 32.2

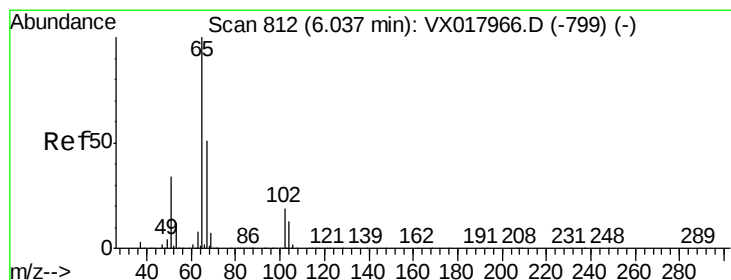
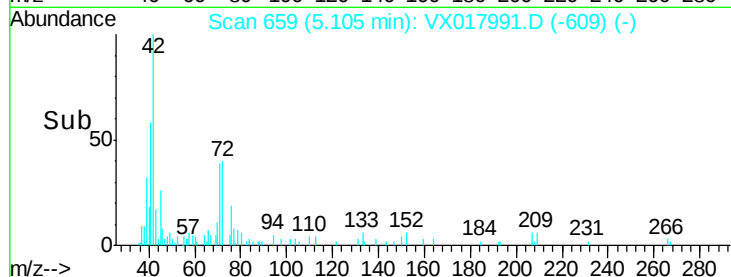
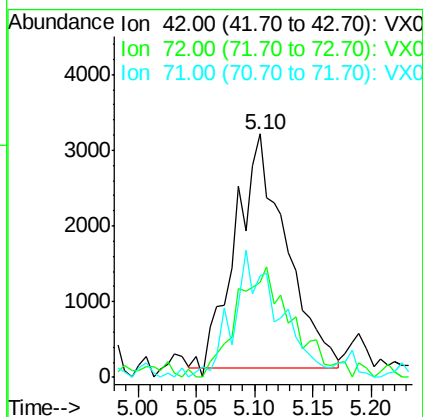
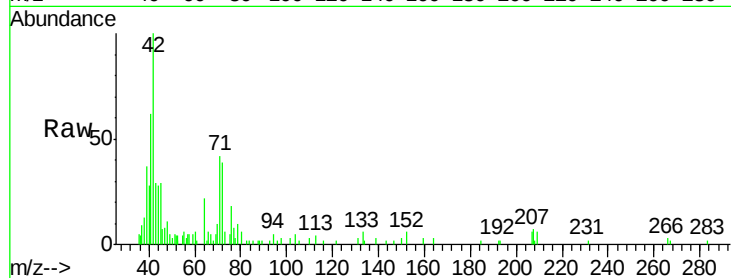




#29
Tetrahydrofuran
Concen: 3.787 ug/l
RT: 5.10 min Scan# 659
Delta R.T. 0.01 min
Lab File: VX017991.D
Acq: 19 Aug 2020 17:36

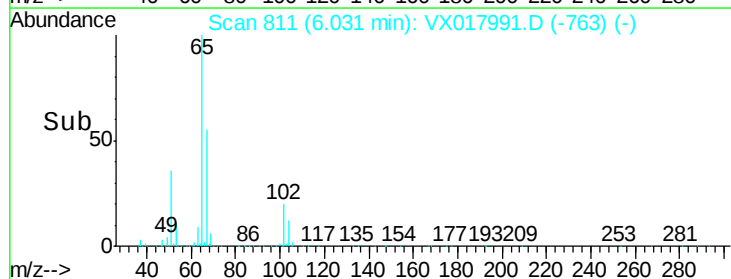
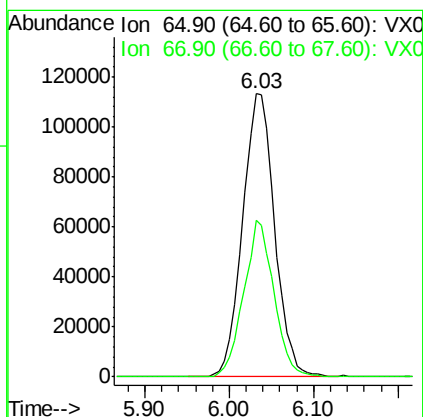
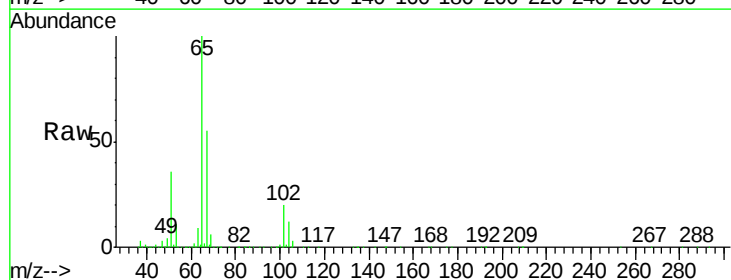
Instrument :
MSVOA_X
ClientSampleId :
E-LGC-6

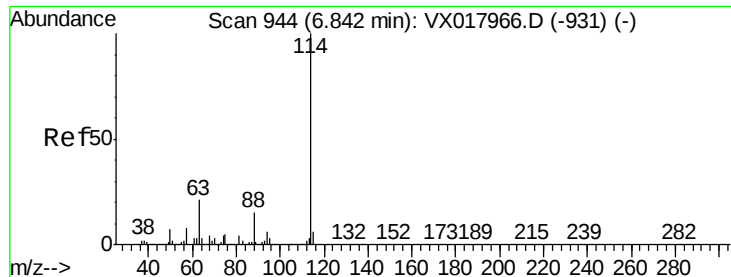
Tot Ion	Ratio	Lower	Upper
42	100		
72	52.4	35.9	53.9
71	49.0	33.0	49.4



#33
1,2-Dichloroethane-d4
Concen: 43.932 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.01 min
Lab File: VX017991.D
Acq: 19 Aug 2020 17:36

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.9	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: VX017991.D

Acq: 19 Aug 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

E-LGC-6

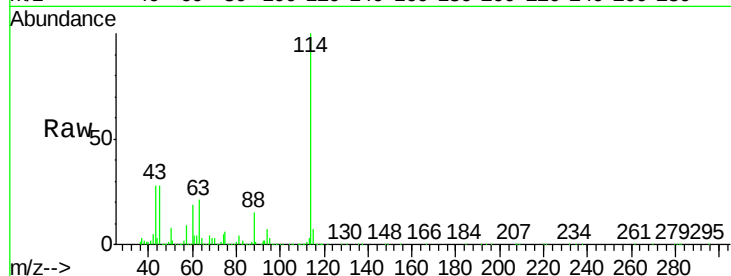
Tot Ion:114 Resp: 770649

Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.6

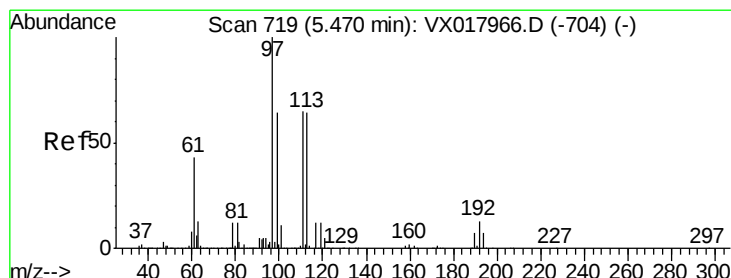
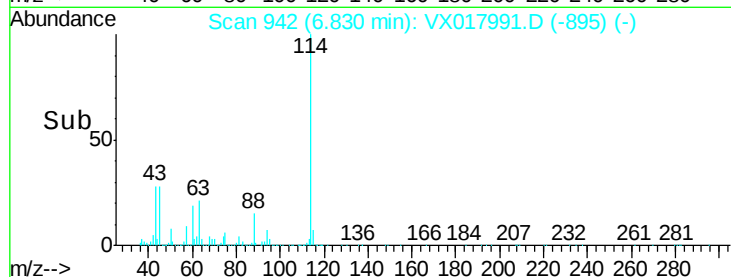
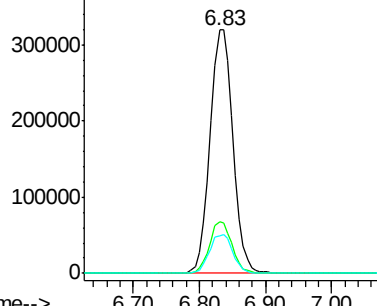
88 15.3 0.0 30.2



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: 44.137 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX017991.D

Acq: 19 Aug 2020 17:36

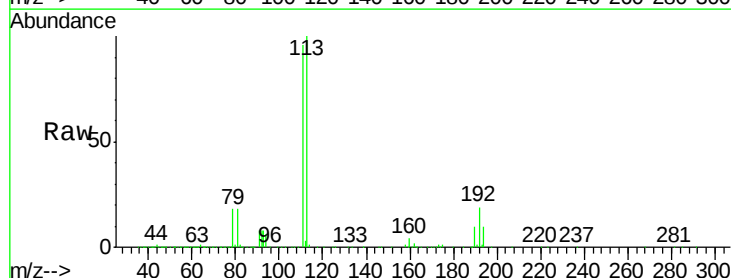
Tgt Ion:113 Resp: 253295

Ion Ratio Lower Upper

113 100

111 101.2 83.5 125.3

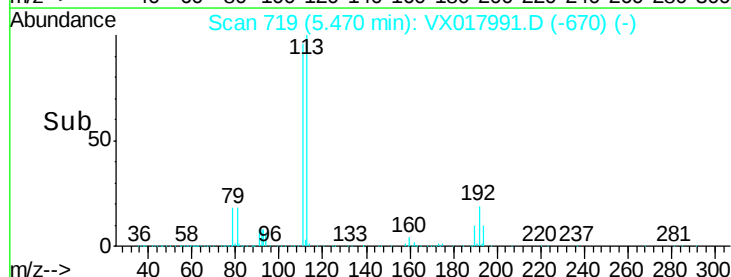
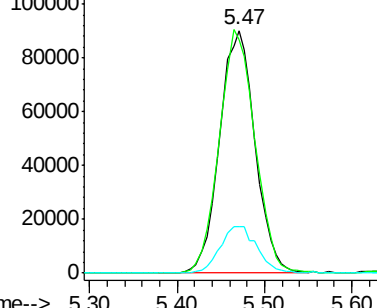
192 19.9 16.2 24.4

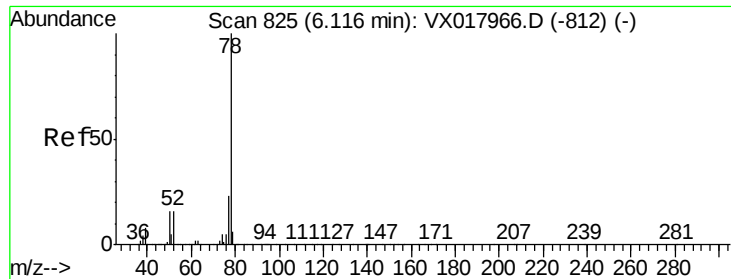


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#40

Benzene

Concen: 5.538 ug/l

RT: 6.12 min Scan# 826

Delta R.T. 0.01 min

Lab File: VX017991.D

Acq: 19 Aug 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

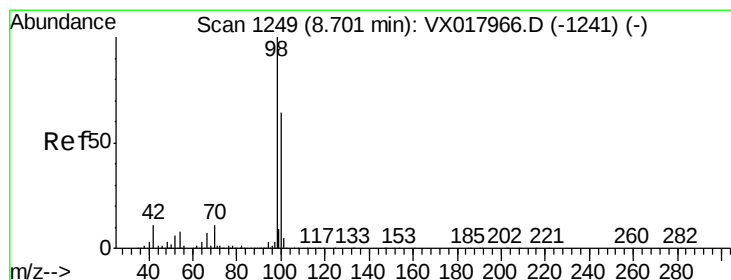
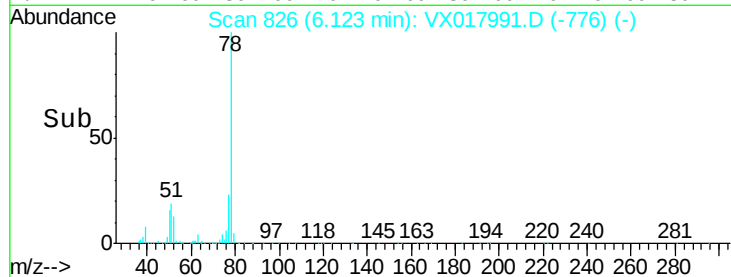
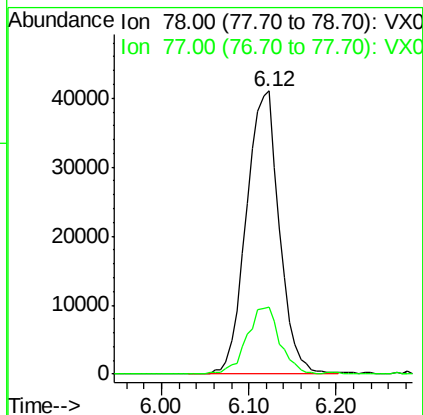
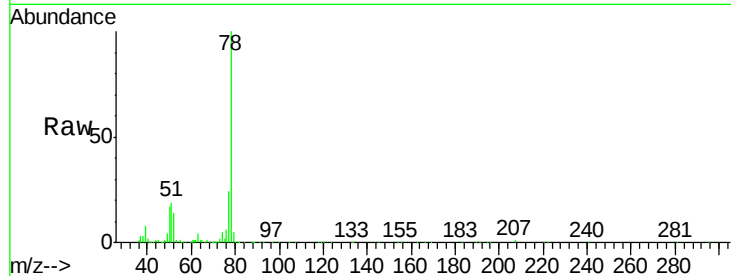
E-LGC-6

Tot Ion: 78 Resp: 107589

Ion Ratio Lower Upper

78 100

77 23.5 18.8 28.2



#50

Toluene-d8

Concen: 44.939 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.01 min

Lab File: VX017991.D

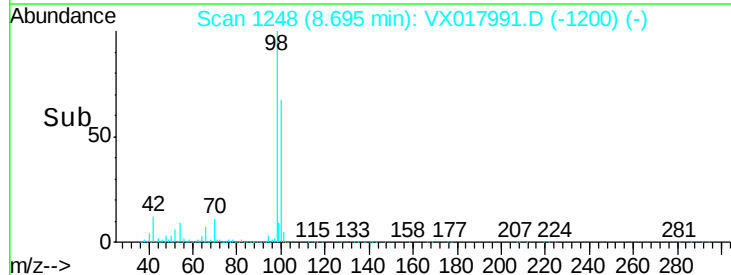
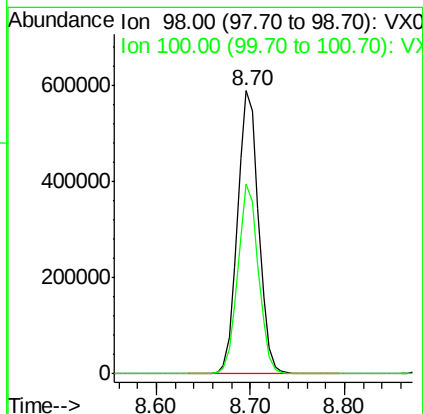
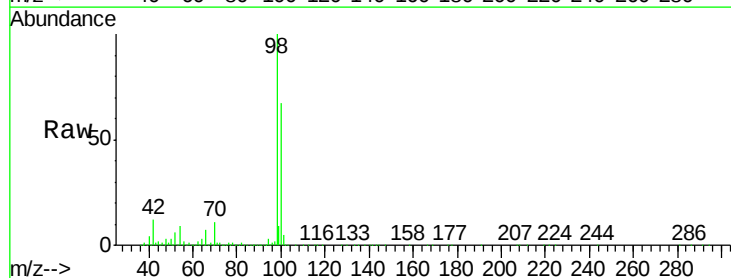
Acq: 19 Aug 2020 17:36

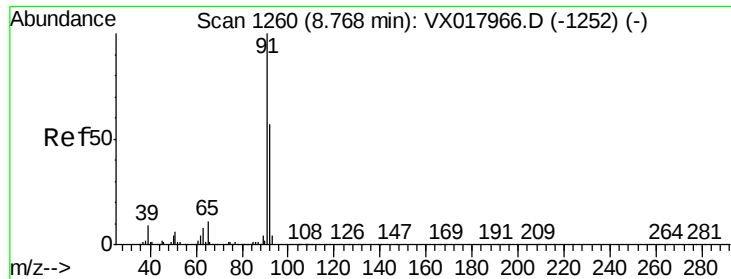
Tgt Ion: 98 Resp: 911611

Ion Ratio Lower Upper

98 100

100 65.3 51.4 77.2





#52

Toluene

Concen: 2.327 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VX017991.D

Acq: 19 Aug 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

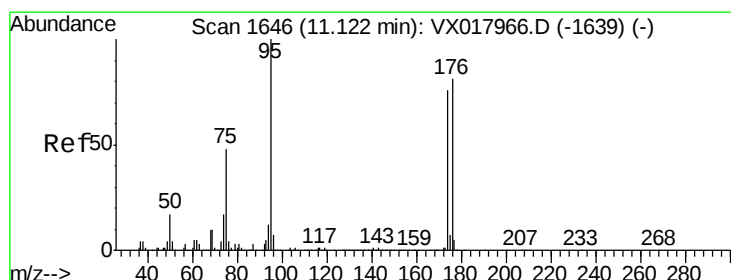
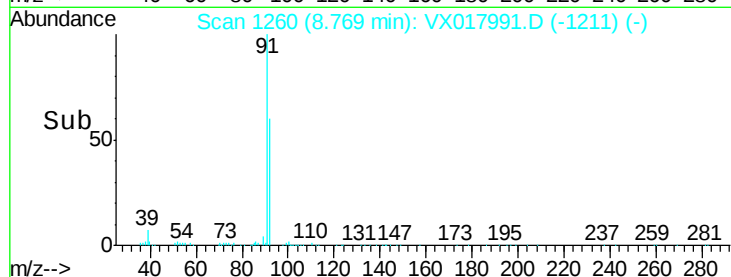
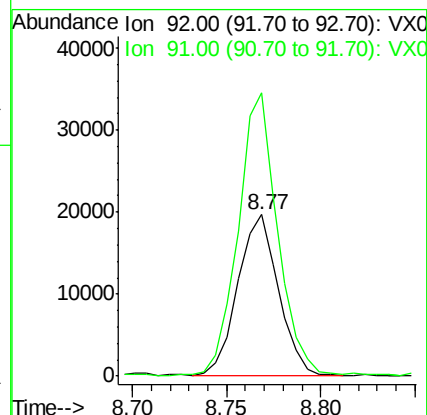
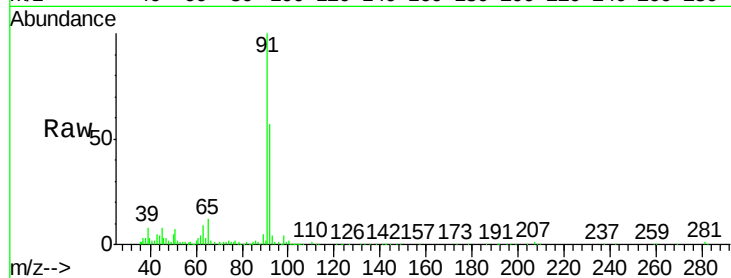
E-LGC-6

Tot Ion: 92 Resp: 29573

Ion Ratio Lower Upper

92 100

91 169.0 138.4 207.6



#62

4-Bromofluorobenzene

Concen: 40.548 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017991.D

Acq: 19 Aug 2020 17:36

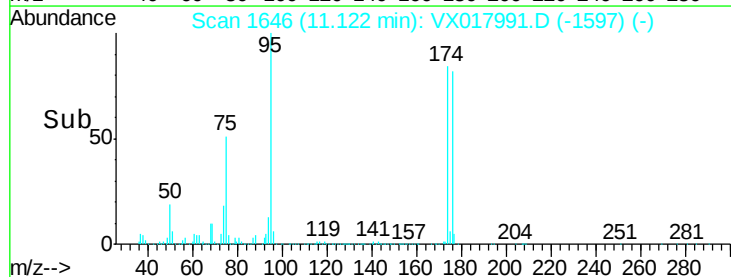
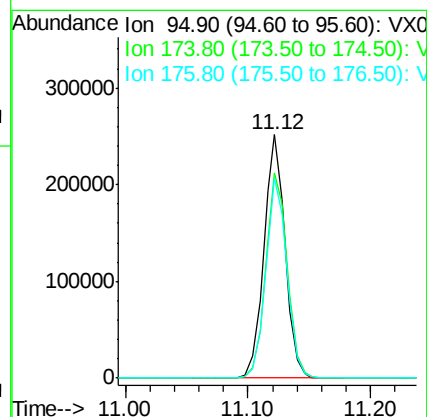
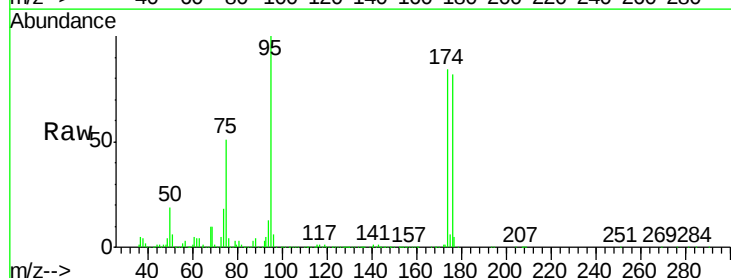
Tgt Ion: 95 Resp: 303799

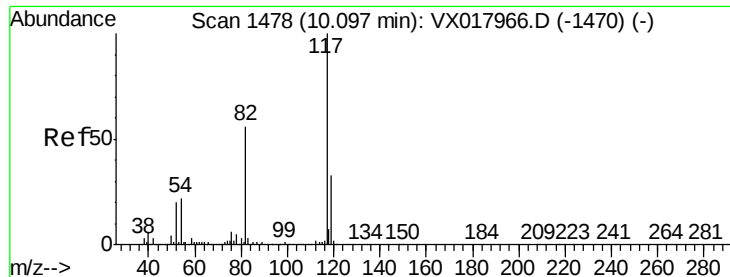
Ion Ratio Lower Upper

95 100

174 86.1 0.0 166.0

176 82.1 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: VX017991.D

Acq: 19 Aug 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

E-LGC-6

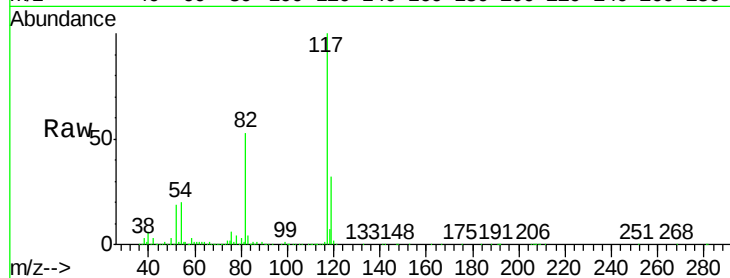
Tot Ion:117 Resp: 652014

Ion Ratio Lower Upper

117 100

82 52.7 44.6 66.8

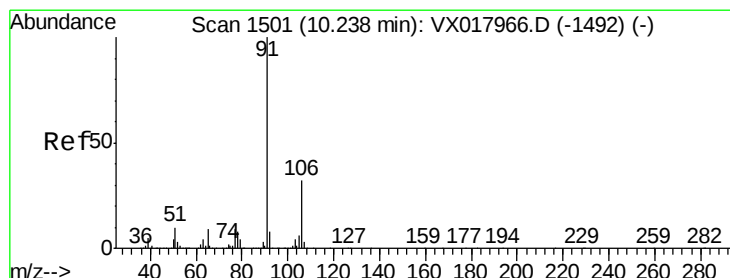
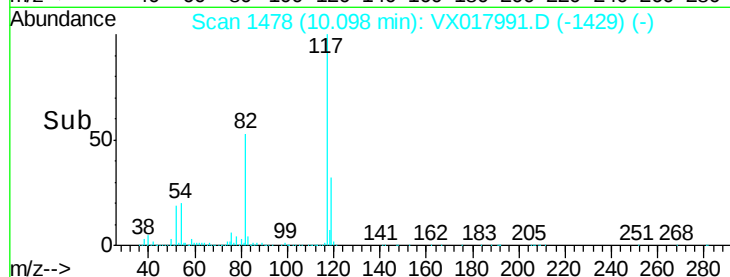
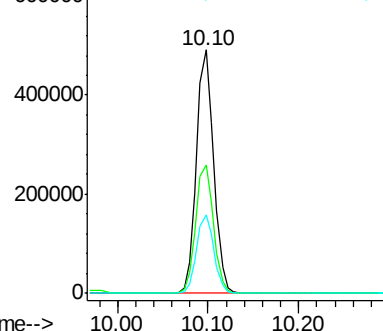
119 32.0 26.2 39.4



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: 0.740 ug/l

RT: 10.24 min Scan# 1501

Delta R.T. 0.00 min

Lab File: VX017991.D

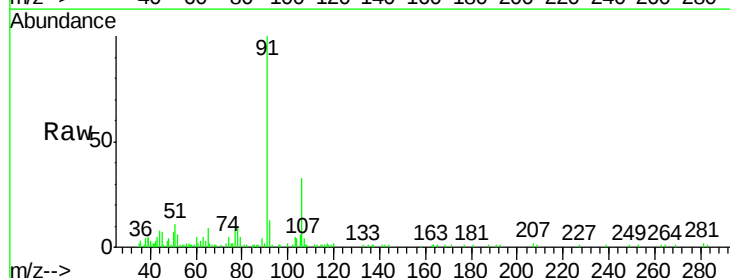
Acq: 19 Aug 2020 17:36

Tgt Ion: 91 Resp: 15798

Ion Ratio Lower Upper

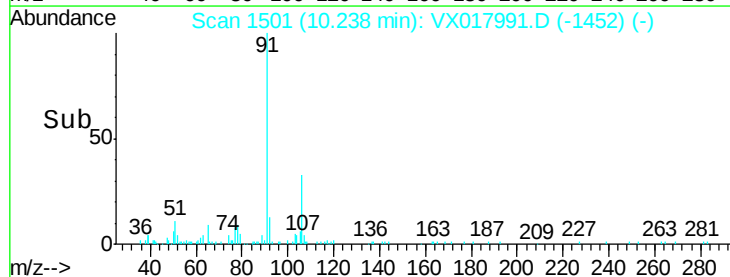
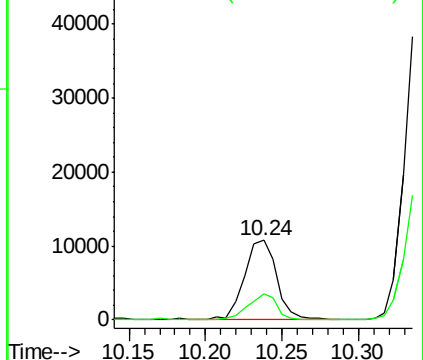
91 100

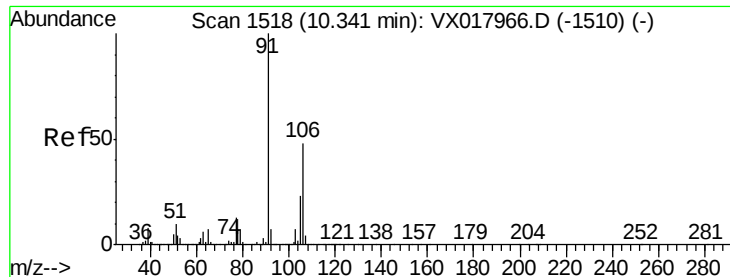
106 32.9 25.4 38.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 3.730 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017991.D

Acq: 19 Aug 2020 17:36

Instrument :

MSVOA_X

ClientSampled :

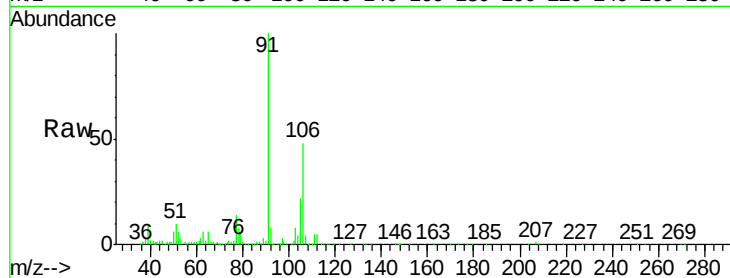
E-LGC-6

Tot Ion:106 Resp: 30637

Ion Ratio Lower Upper

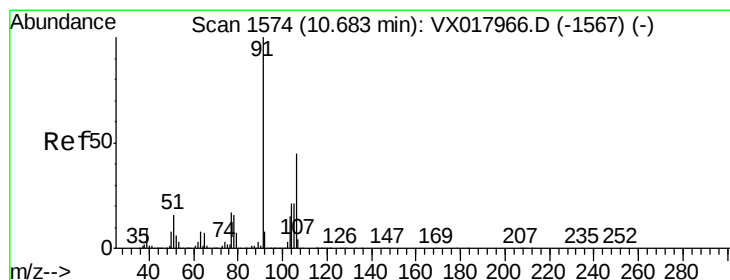
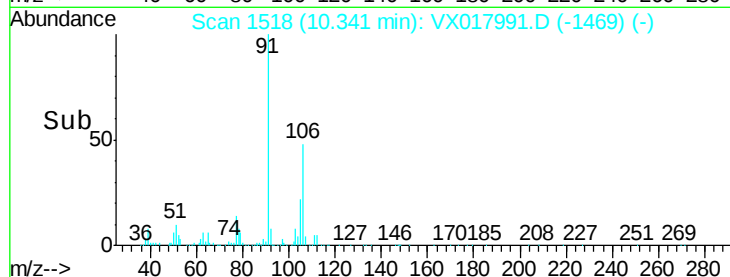
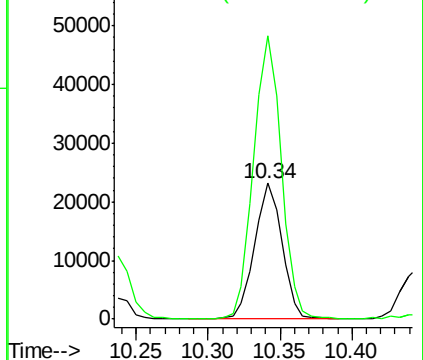
106 100

91 209.5 167.4 251.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 2.264 ug/l

RT: 10.68 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VX017991.D

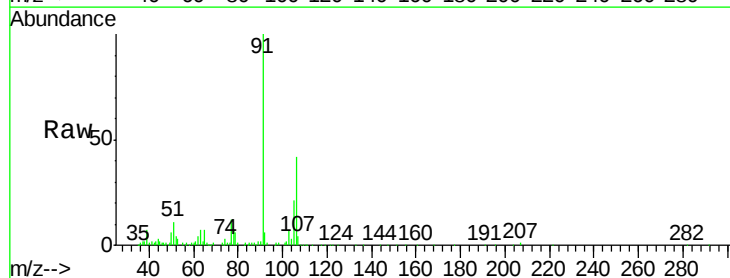
Acq: 19 Aug 2020 17:36

Tgt Ion:106 Resp: 17931

Ion Ratio Lower Upper

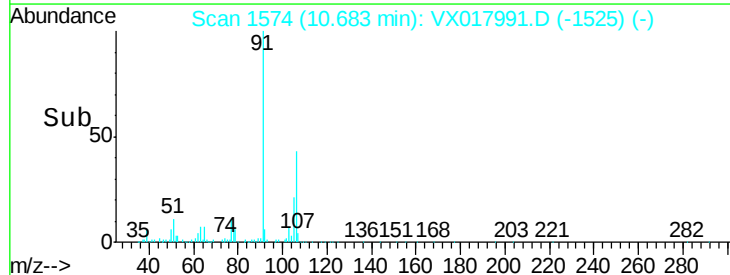
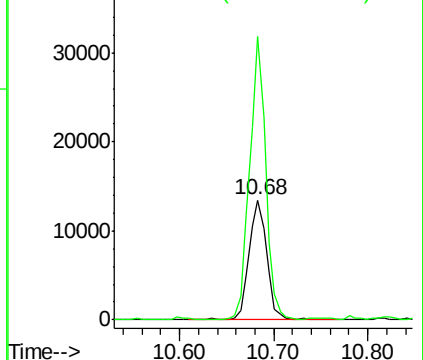
106 100

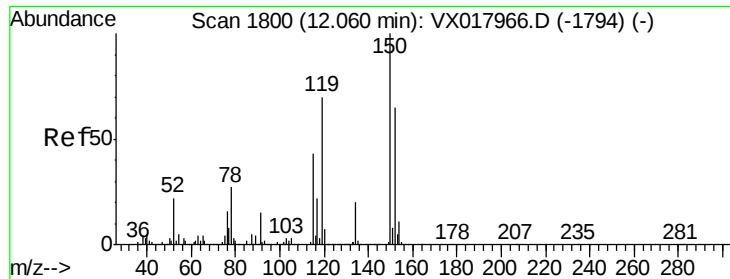
91 213.1 108.1 324.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX017991.D

Acq: 19 Aug 2020 17:36

Instrument :

MSVOA_X

ClientSampled :

E-LGC-6

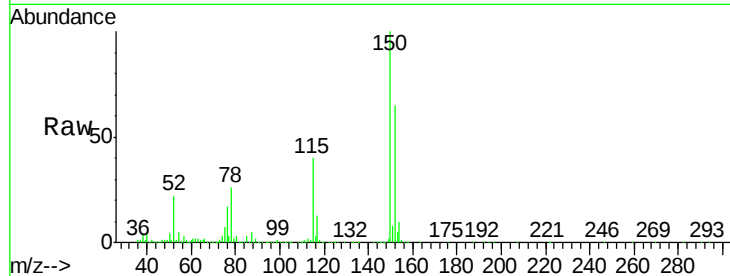
Tot Ion:152 Resp: 322006

Ion Ratio Lower Upper

152 100

115 58.1 40.6 121.7

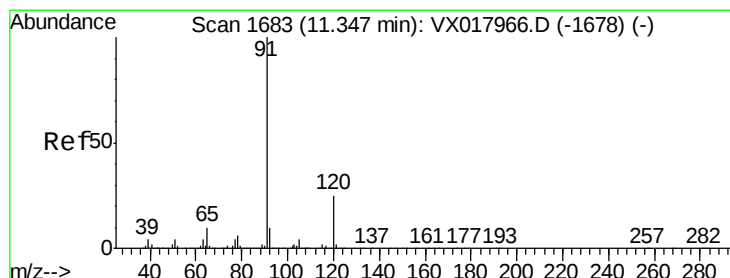
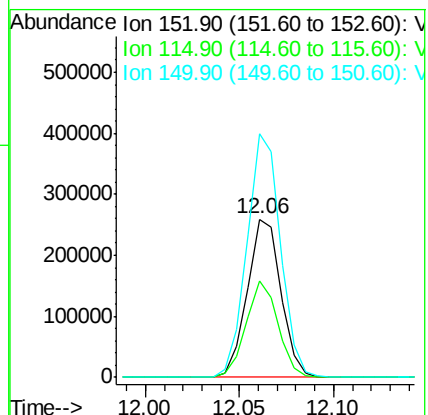
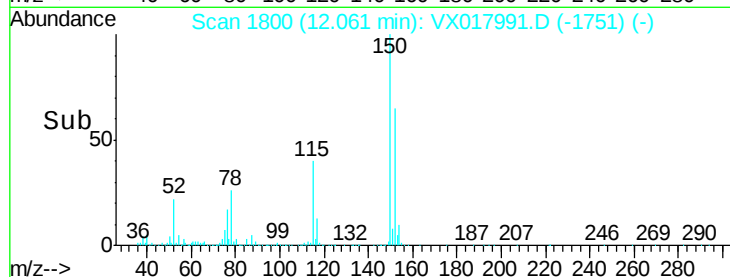
150 153.1 0.0 346.4



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



#78

n-propylbenzene

Concen: 0.438 ug/l

RT: 11.35 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VX017991.D

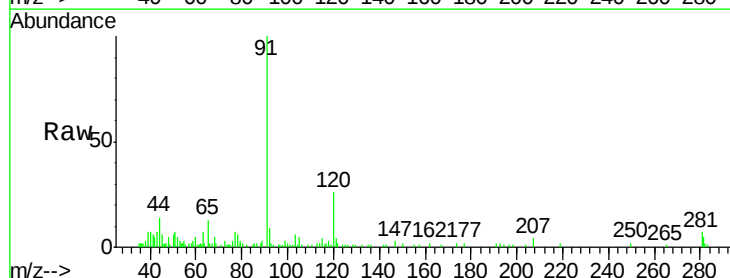
Acq: 19 Aug 2020 17:36

Tgt Ion: 91 Resp: 10606

Ion Ratio Lower Upper

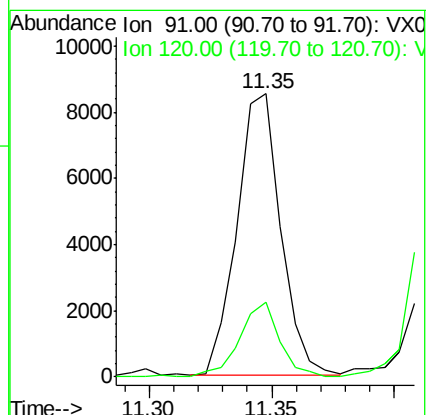
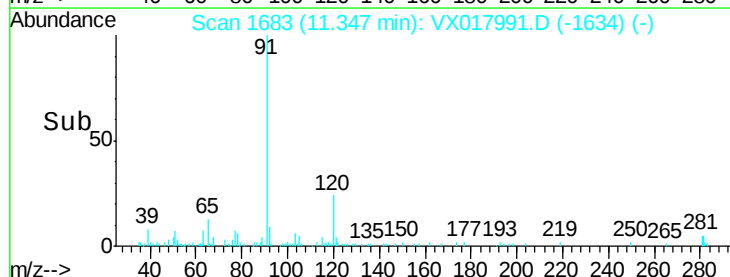
91 100

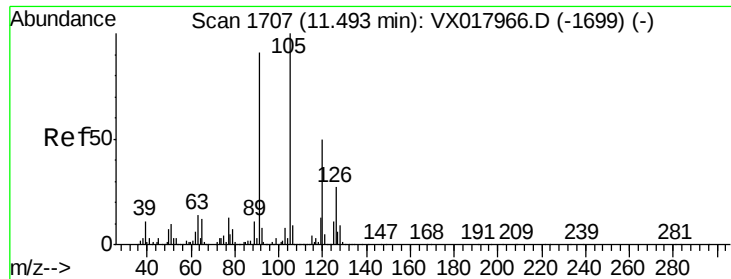
120 24.4 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

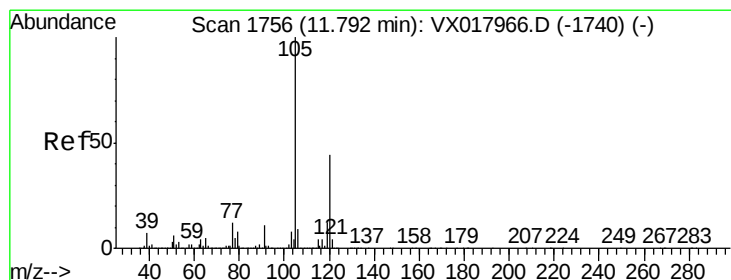
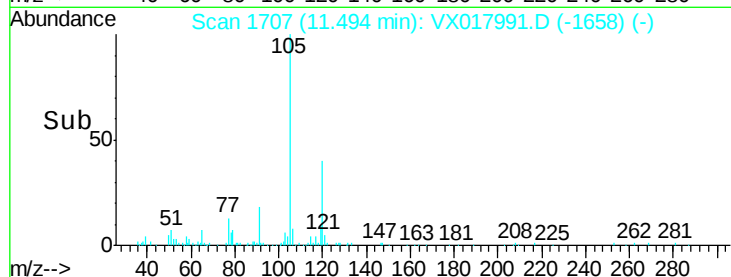
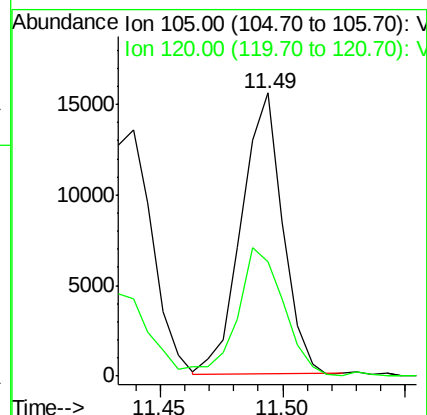
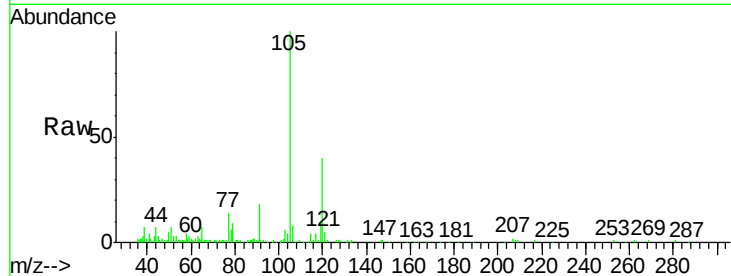




#80
 1,3,5-Trimethylbenzene
 Concen: 0.993 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. 0.00 min
 Lab File: VX017991.D
 Acq: 19 Aug 2020 17:36

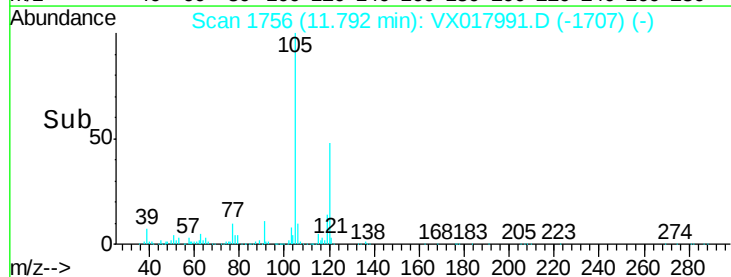
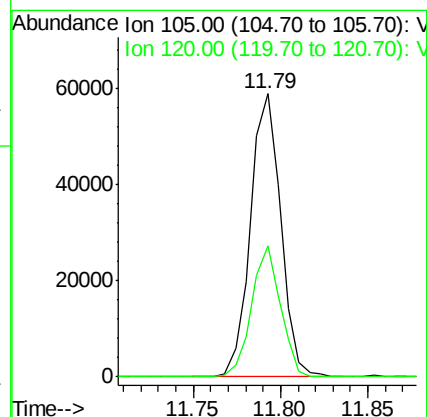
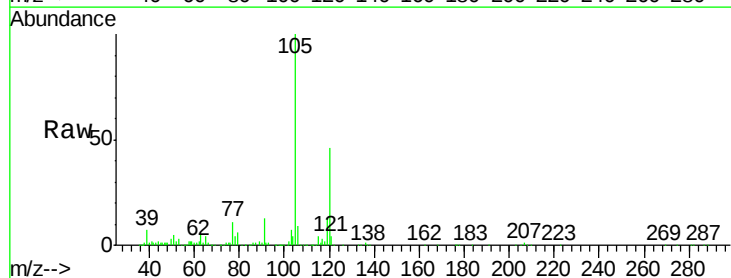
Instrument :
 MSVOA_X
 ClientSampleId :
 E-LGC-6

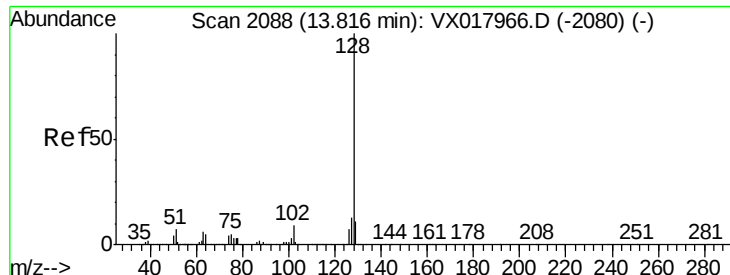
Tot Ion:105 Resp: 18069
 Ion Ratio Lower Upper
 105 100
 120 49.4 24.1 72.4



#84
 1,2,4-Trimethylbenzene
 Concen: 3.780 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. 0.00 min
 Lab File: VX017991.D
 Acq: 19 Aug 2020 17:36

Tgt Ion:105 Resp: 71203
 Ion Ratio Lower Upper
 105 100
 120 44.2 22.1 66.1





#95

Naphthalene

Concen: 34.012 ug/l

RT: 13.82 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VX017991.D

Acq: 19 Aug 2020 17:36

Instrument :

MSVOA_X

ClientSampleId :

E-LGC-6

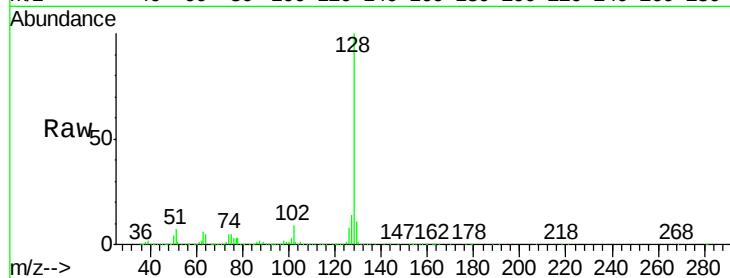
Tot Ion:128 Resp: 682395

Ion Ratio Lower Upper

128 100

127 13.5 10.7 16.1

129 11.0 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

