

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070319\
 Data File : VX010678.D
 Acq On : 04 Jul 2019 09:25
 Operator : JC/SP
 Sample : K3664-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0585

Quant Time: Jul 05 03:31:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 20 03:31:56 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	230484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	360961	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	327304	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	156999	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	117147	54.21	ug/l	0.00
Spiked Amount			Recovery	=	108.42%	
35) Dibromofluoromethane	5.50	113	110262	49.93	ug/l	0.00
Spiked Amount			Recovery	=	99.86%	
50) Toluene-d8	8.71	98	428826	50.75	ug/l	0.00
Spiked Amount			Recovery	=	101.50%	
62) 4-Bromofluorobenzene	11.13	95	149255	48.93	ug/l	0.00
Spiked Amount			Recovery	=	97.86%	

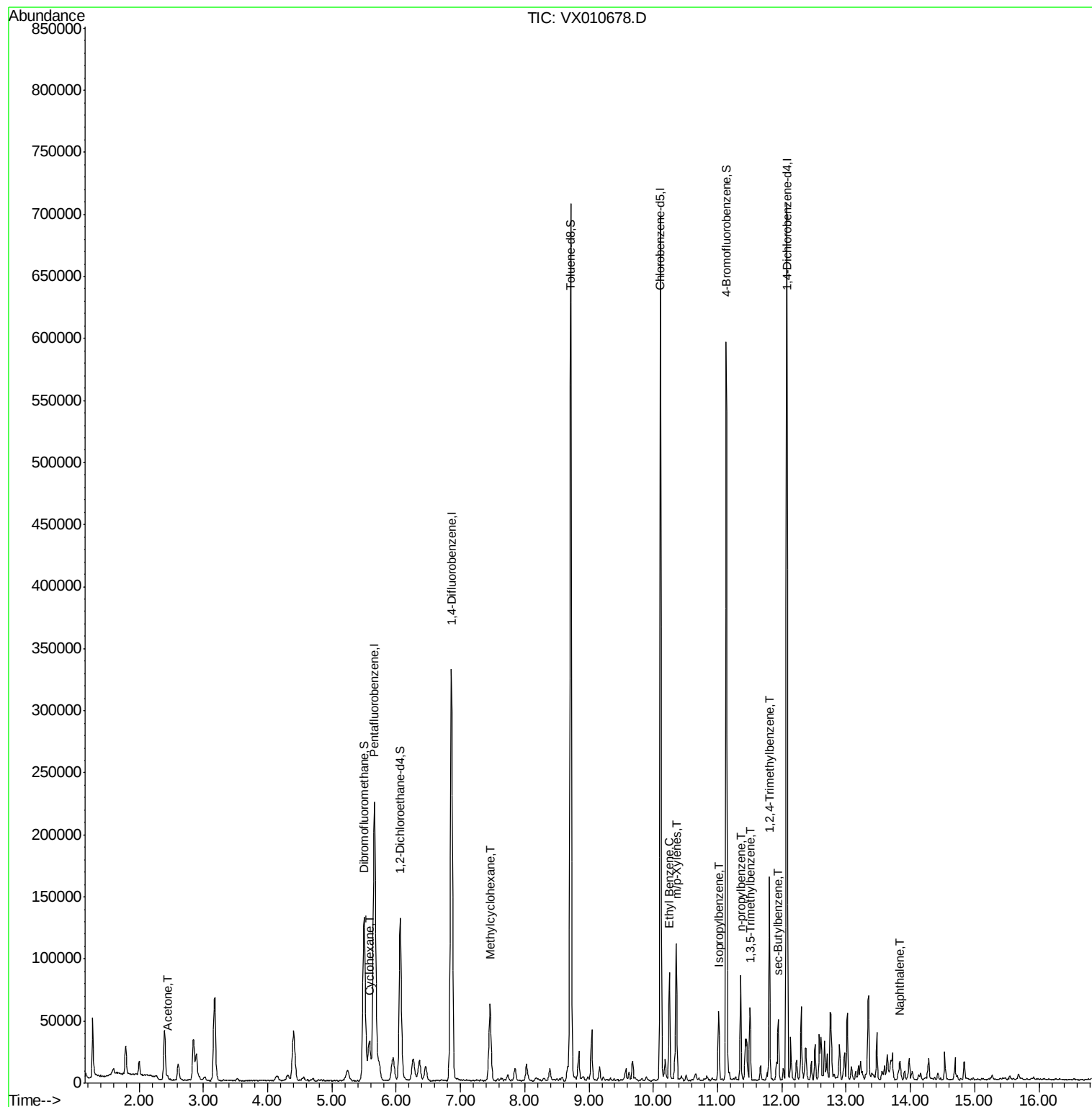
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	3295	3.042	ug/l	96
31) Cyclohexane	5.58	56	21102	6.760	ug/l	94
39) Methylcyclohexane	7.46	83	27794	7.372	ug/l	96
67) Ethyl Benzene	10.25	91	48676	4.339	ug/l	99
68) m/p-Xylenes	10.36	106	26515	6.100	ug/l	99
73) Isopropylbenzene	11.02	105	28725	2.699	ug/l	97
78) n-propylbenzene	11.36	91	49941	4.270	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	24844	2.832	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	72770	8.256	ug/l	100
85) sec-Butylbenzene	11.94	105	26298	2.544	ug/l	92
95) Naphthalene	13.83	128	10151	0.924	ug/l	94

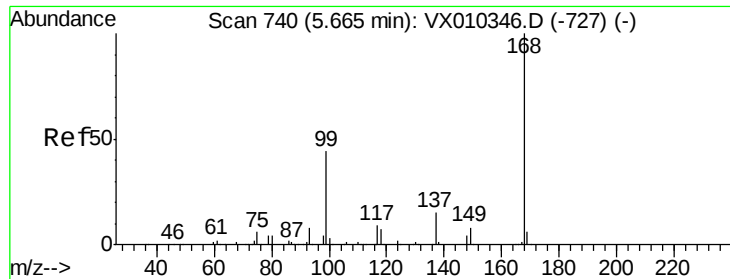
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 20 03:31:56 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX010678.D

Acq: 04 Jul 2019 09:25

Instrument :

MSVOA_X

ClientSampled :

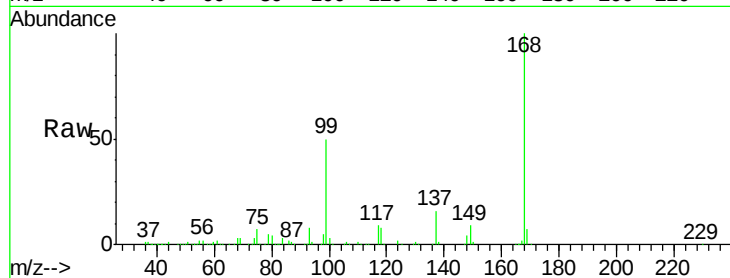
FL-0585

Tot Ion:168 Resp: 230484

Ion Ratio Lower Upper

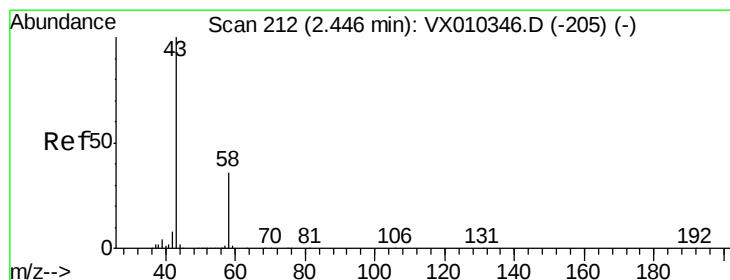
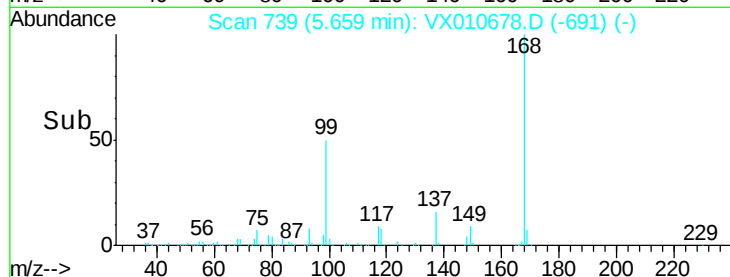
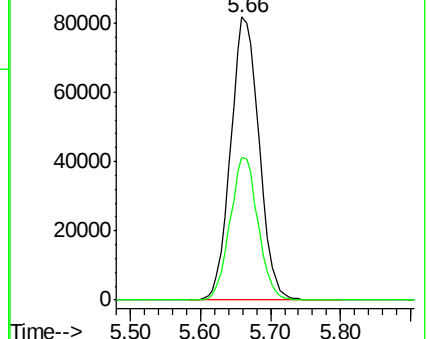
168 100

99 50.2 35.5 53.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 3.042 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX010678.D

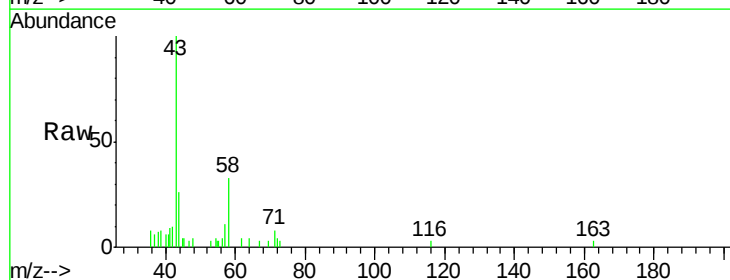
Acq: 04 Jul 2019 09:25

Tgt Ion: 43 Resp: 3295

Ion Ratio Lower Upper

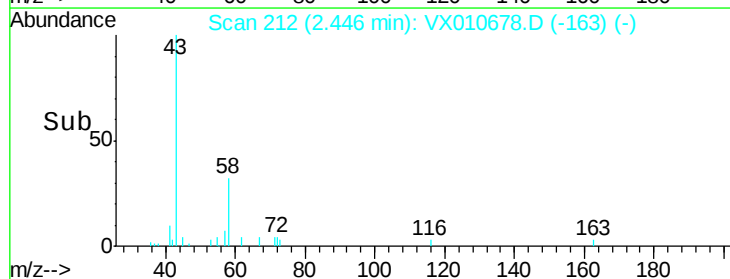
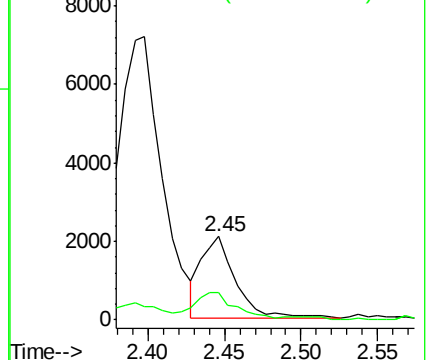
43 100

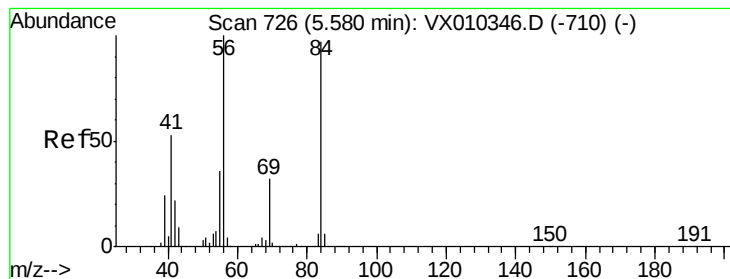
58 33.7 28.9 43.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#31

Cyclohexane

Concen: 6.760 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.00 min

Lab File: VX010678.D

Acq: 04 Jul 2019 09:25

Instrument :

MSVOA_X

ClientSampleId :

FL-0585

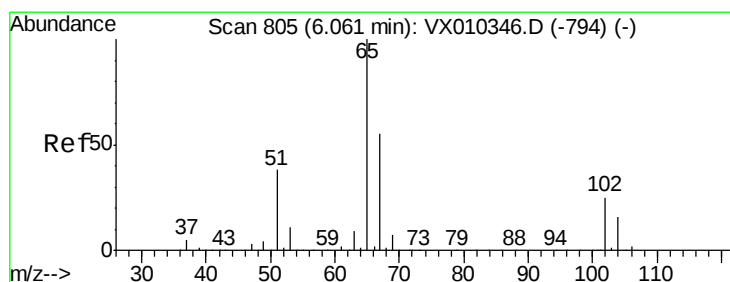
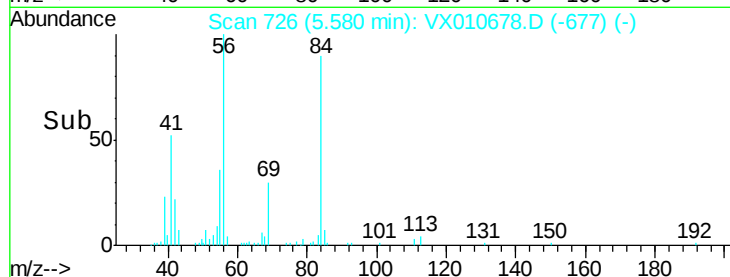
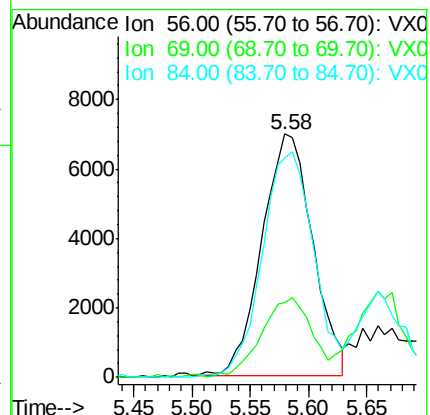
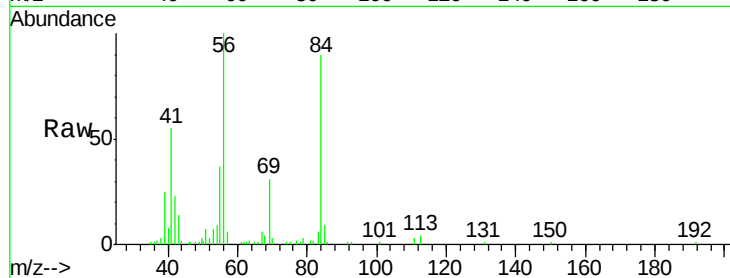
Tot Ion: 56 Resp: 21102

Ion Ratio Lower Upper

56 100

69 29.9 25.9 38.9

84 90.7 78.0 117.0



#33

1,2-Dichloroethane-d4

Concen: 54.209 ug/l

RT: 6.06 min Scan# 805

Delta R.T. 0.00 min

Lab File: VX010678.D

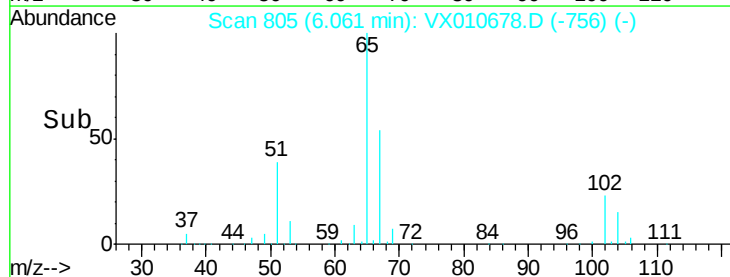
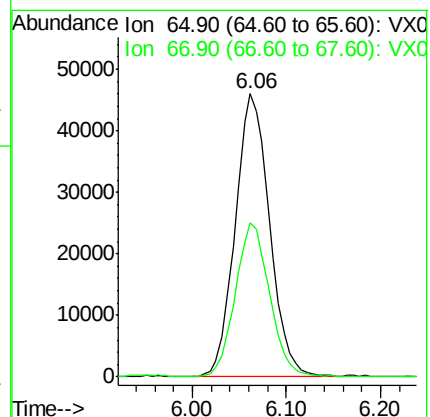
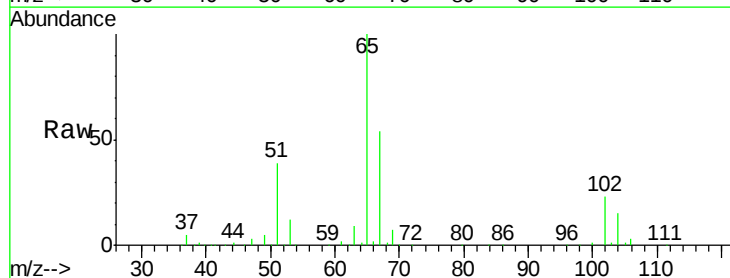
Acq: 04 Jul 2019 09:25

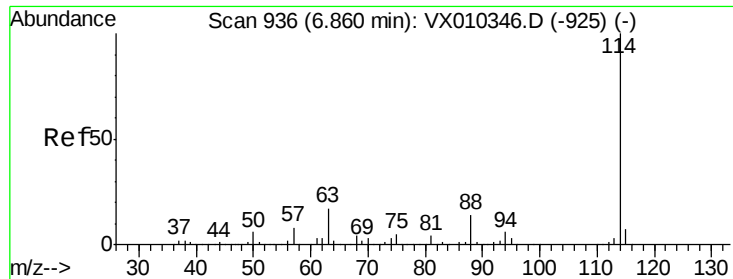
Tgt Ion: 65 Resp: 117147

Ion Ratio Lower Upper

65 100

67 54.1 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX010678.D

Acq: 04 Jul 2019 09:25

Instrument :

MSVOA_X

ClientSampleId :

FL-0585

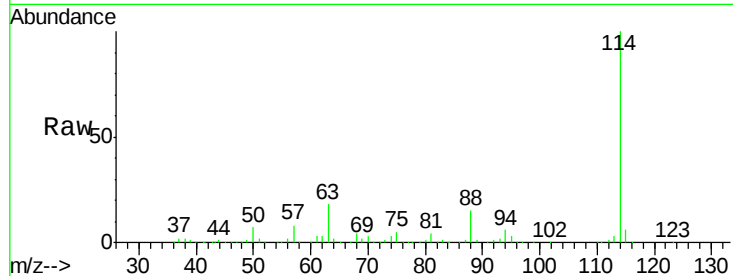
Tot Ion:114 Resp: 360961

Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.8

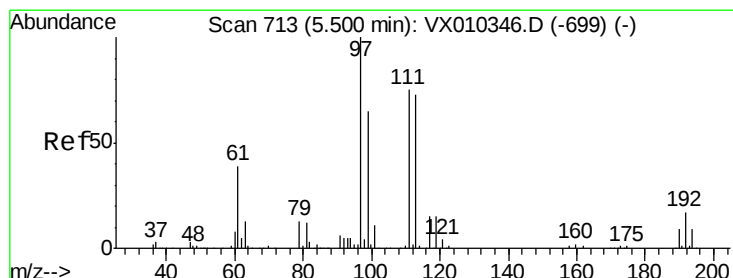
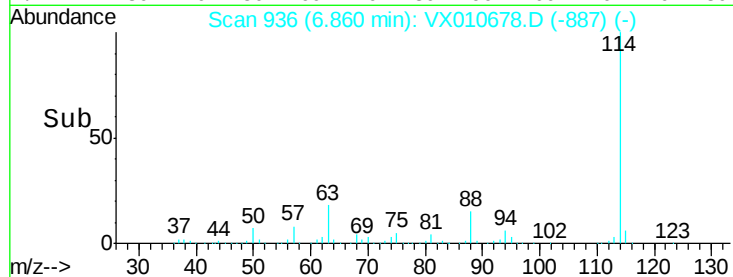
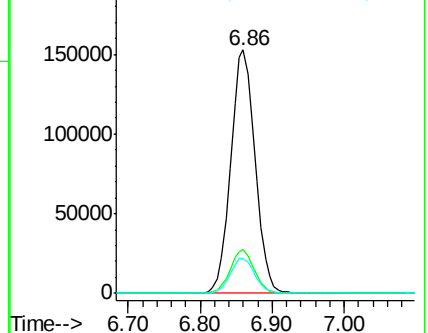
88 14.5 0.0 27.6



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: 49.926 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX010678.D

Acq: 04 Jul 2019 09:25

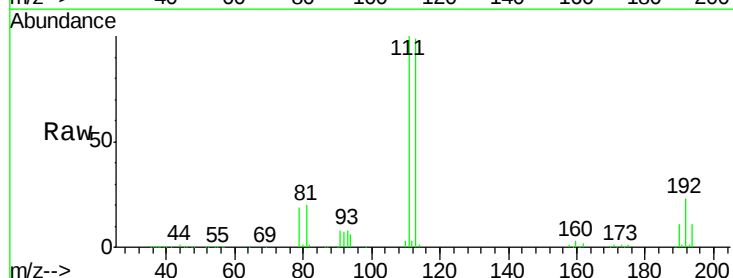
Tgt Ion:113 Resp: 110262

Ion Ratio Lower Upper

113 100

111 100.0 81.2 121.8

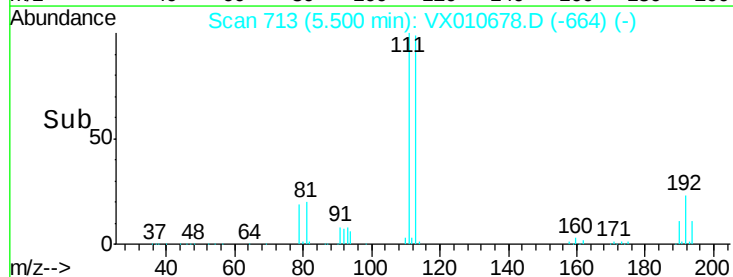
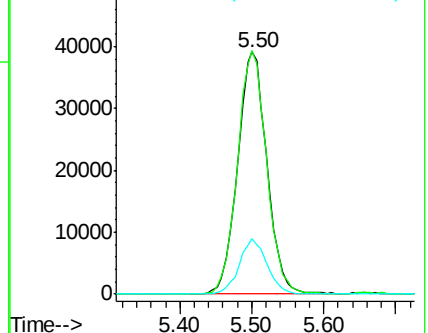
192 21.6 18.6 27.8

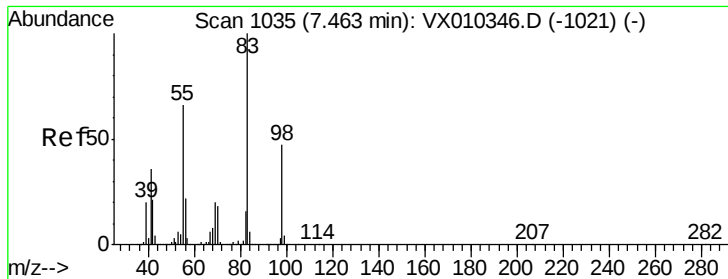


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

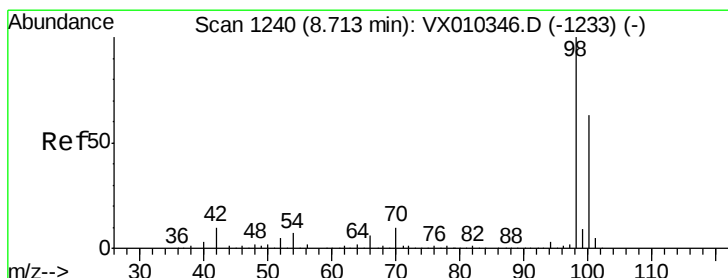
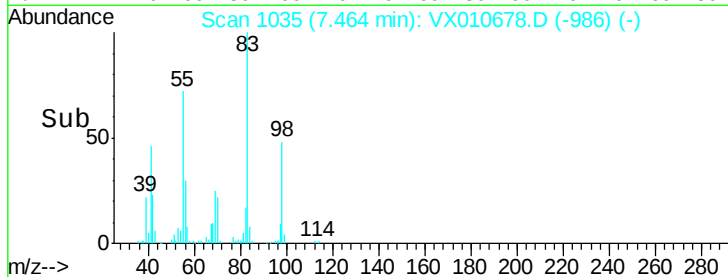
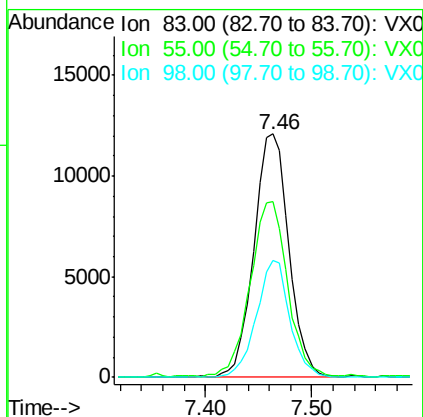
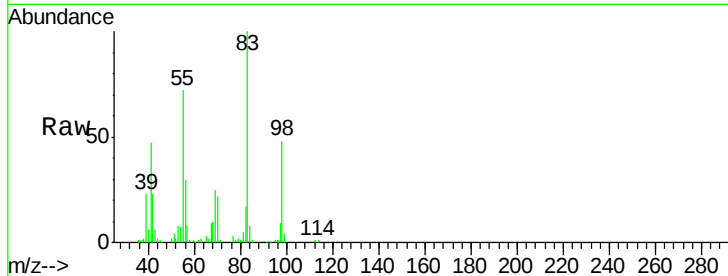




#39
Methylcyclohexane
Concen: 7.372 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.00 min
Lab File: VX010678.D
Acq: 04 Jul 2019 09:25

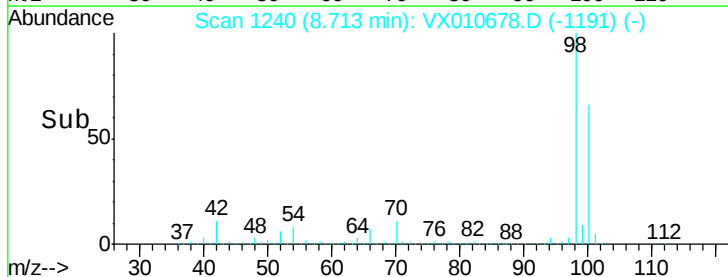
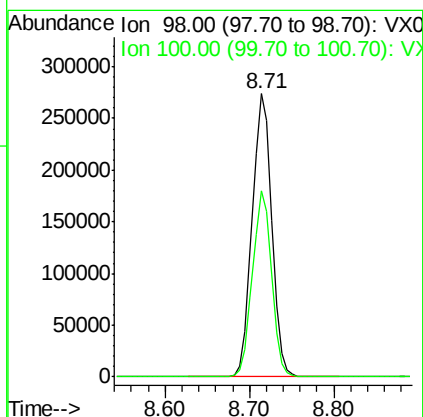
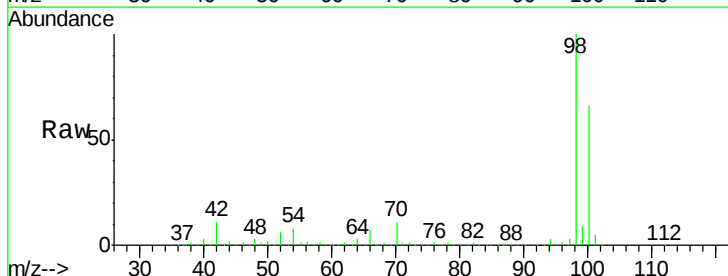
Instrument :
MSVOA_X
ClientSampleId :
FL-0585

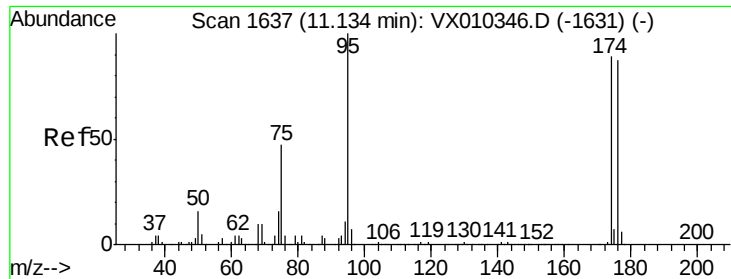
Tot Ion: 83 Resp: 27794
Ion Ratio Lower Upper
83 100
55 71.6 53.0 79.6
98 47.8 37.8 56.8



#50
Toluene-d8
Concen: 50.753 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010678.D
Acq: 04 Jul 2019 09:25

Tgt Ion: 98 Resp: 428826
Ion Ratio Lower Upper
98 100
100 64.3 51.6 77.4

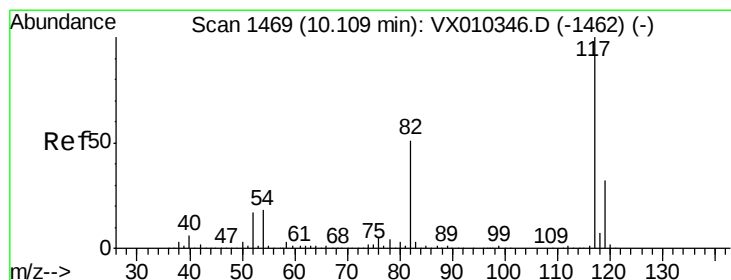
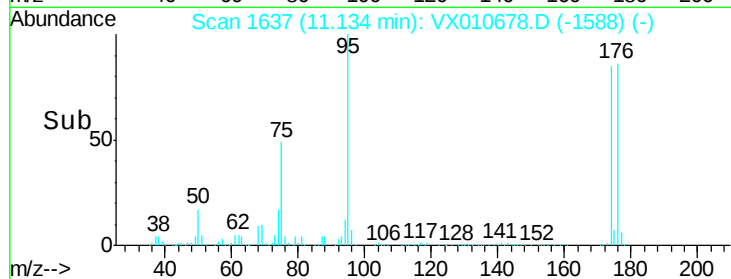
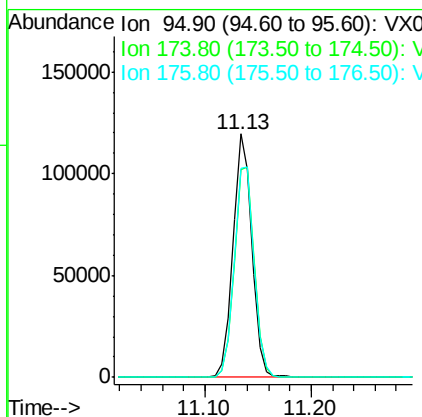
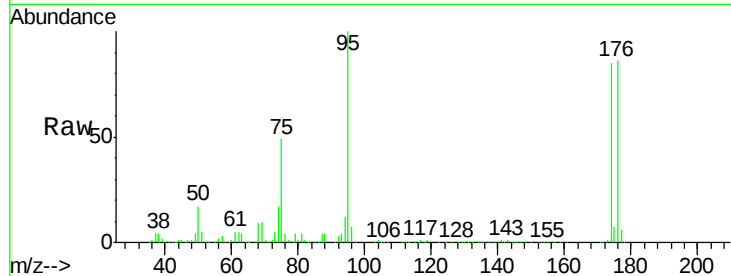




#62
4-Bromofluorobenzene
Concen: 48.929 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX010678.D
Acq: 04 Jul 2019 09:25

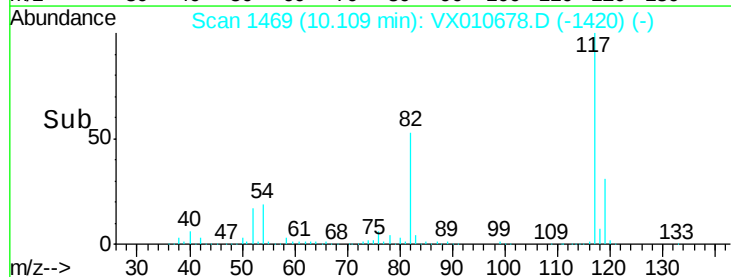
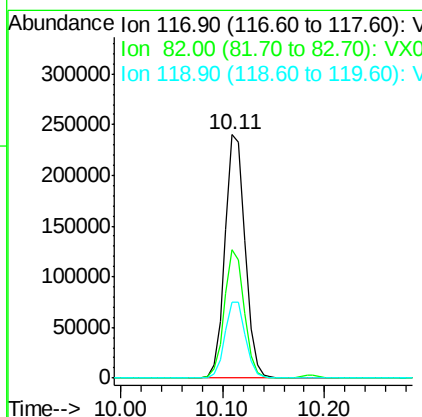
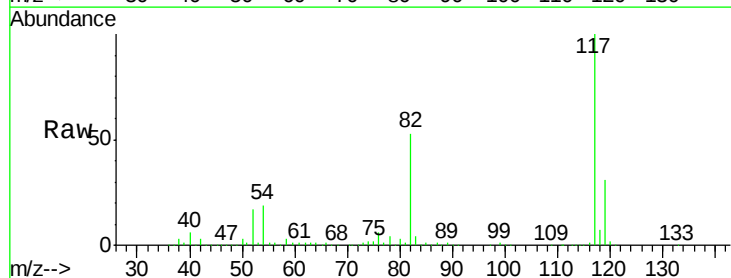
Instrument :
MSVOA_X
ClientSampleId :
FL-0585

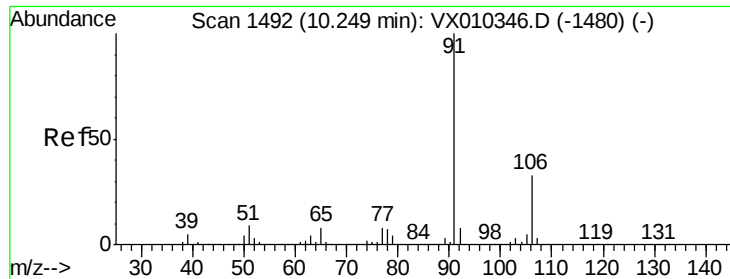
Tot Ion	Ratio	Lower	Upper
95	100		
174	91.3	0.0	187.6
176	91.3	0.0	184.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010678.D
Acq: 04 Jul 2019 09:25

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.7	41.2	61.8
119	31.3	25.5	38.3

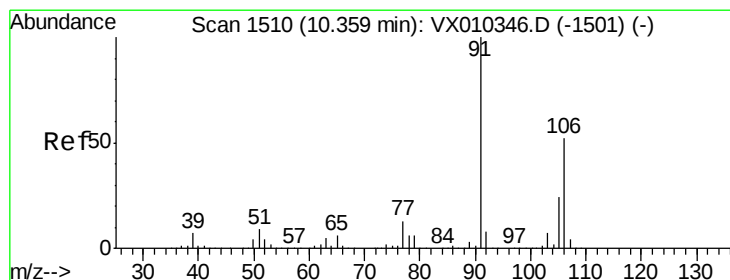
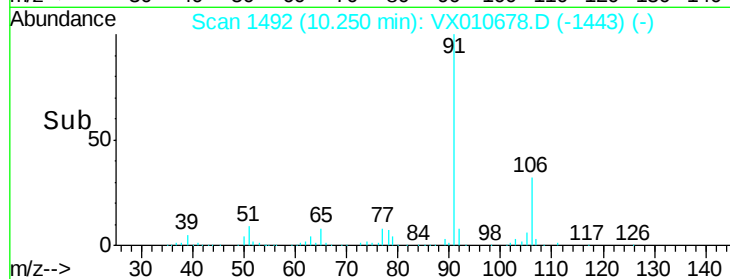
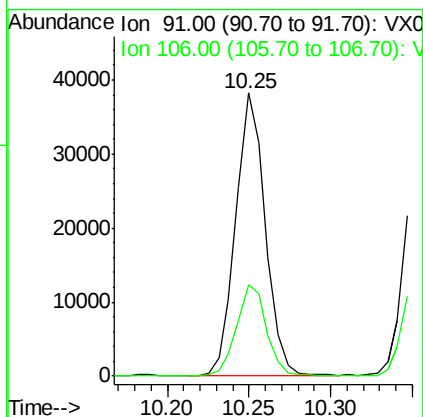
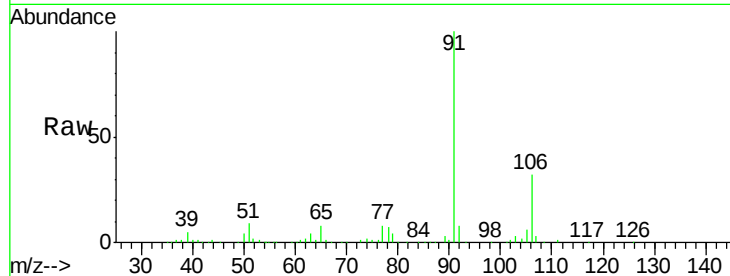




#67
Ethyl Benzene
Concen: 4.339 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010678.D
Acq: 04 Jul 2019 09:25

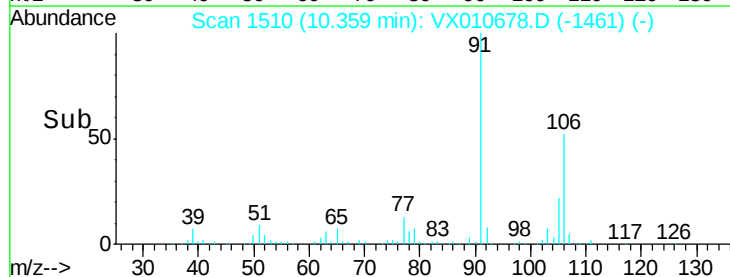
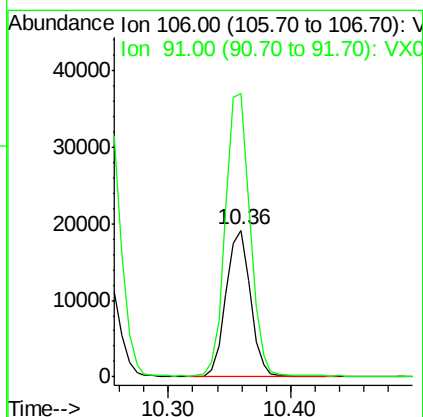
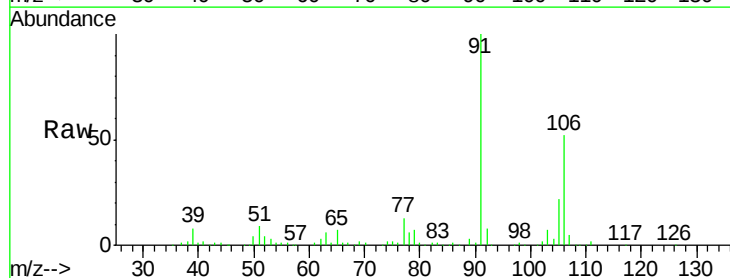
Instrument :
MSVOA_X
ClientSampled :
FL-0585

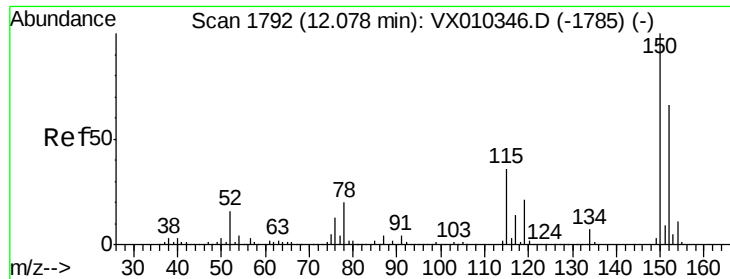
Tot Ion: 91 Resp: 48676
Ion Ratio Lower Upper
91 100
106 32.1 26.2 39.2



#68
m/p-Xylenes
Concen: 6.100 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010678.D
Acq: 04 Jul 2019 09:25

Tgt Ion: 106 Resp: 26515
Ion Ratio Lower Upper
106 100
91 195.7 155.3 232.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX010678.D

Acq: 04 Jul 2019 09:25

Instrument :

MSVOA_X

ClientSampled :

FL-0585

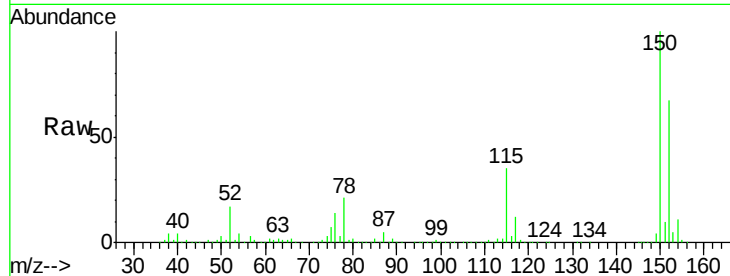
Tot Ion:152 Resp: 156999

Ion Ratio Lower Upper

152 100

115 54.8 38.6 115.7

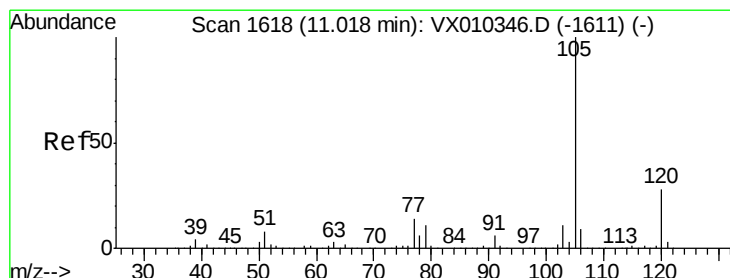
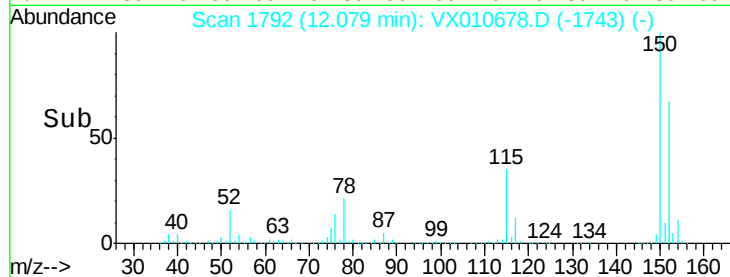
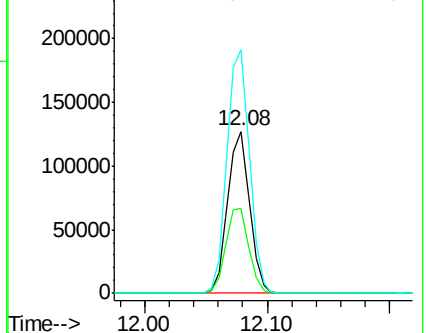
150 154.7 0.0 347.4



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



#73

Isopropylbenzene

Concen: 2.699 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX010678.D

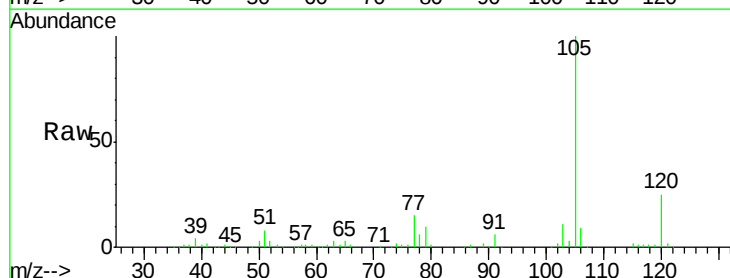
Acq: 04 Jul 2019 09:25

Tgt Ion:105 Resp: 28725

Ion Ratio Lower Upper

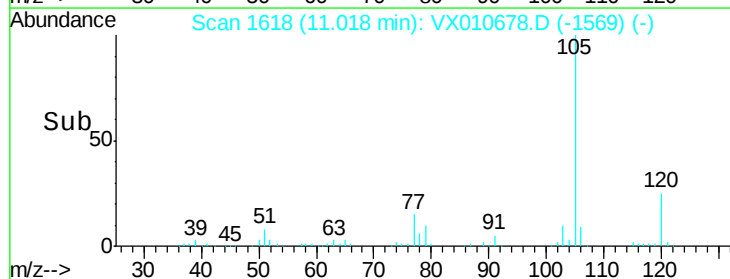
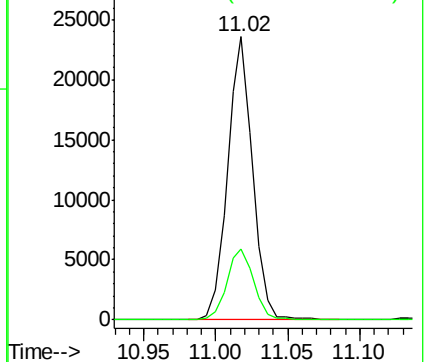
105 100

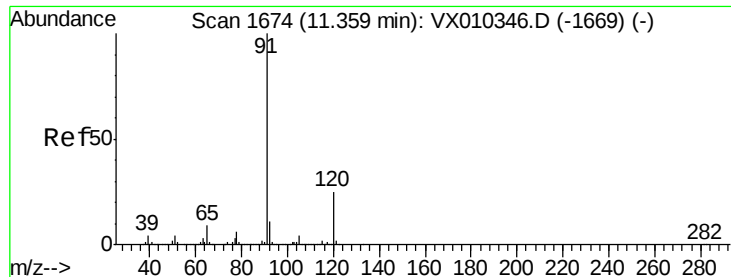
120 26.9 14.1 42.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 4.270 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010678.D

Acq: 04 Jul 2019 09:25

Instrument :

MSVOA_X

ClientSampleId :

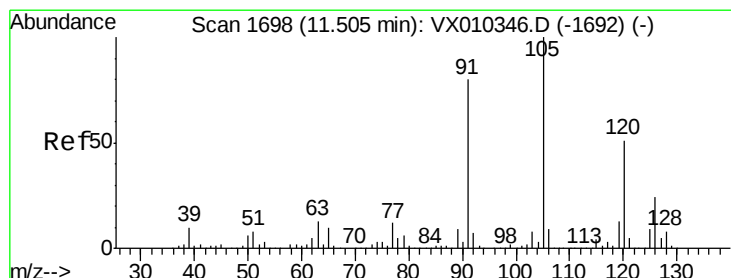
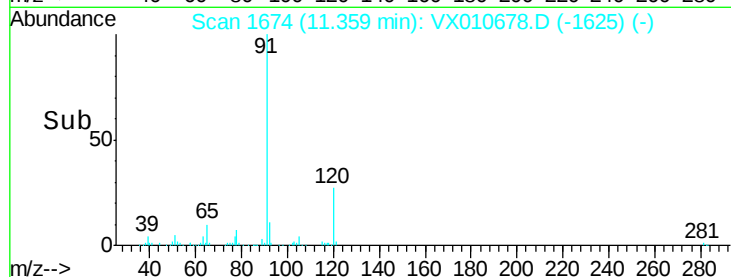
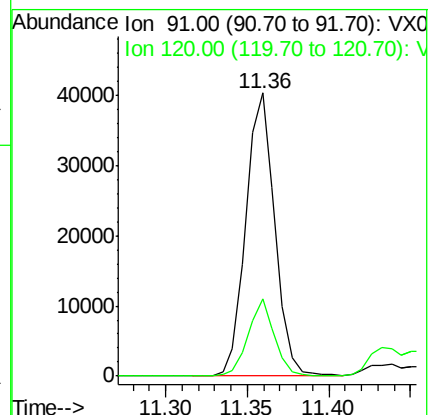
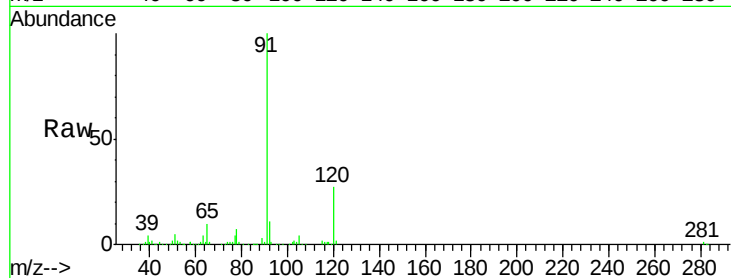
FL-0585

Tot Ion: 91 Resp: 49941

Ion Ratio Lower Upper

91 100

120 24.6 12.4 37.4



#80

1,3,5-Trimethylbenzene

Concen: 2.832 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010678.D

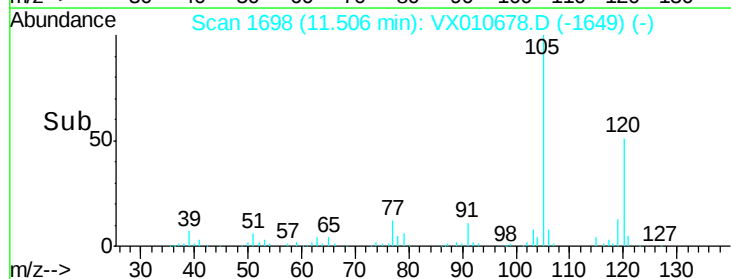
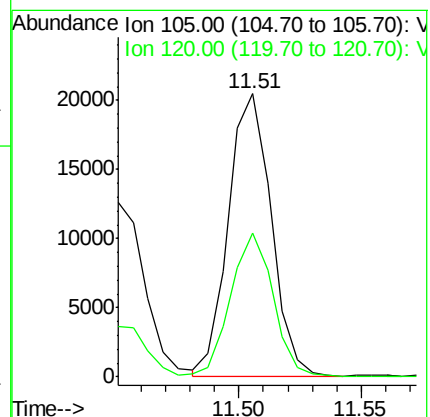
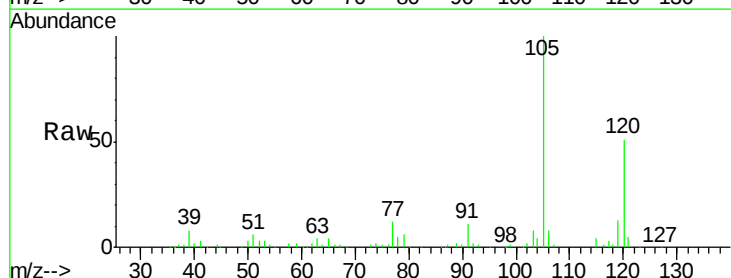
Acq: 04 Jul 2019 09:25

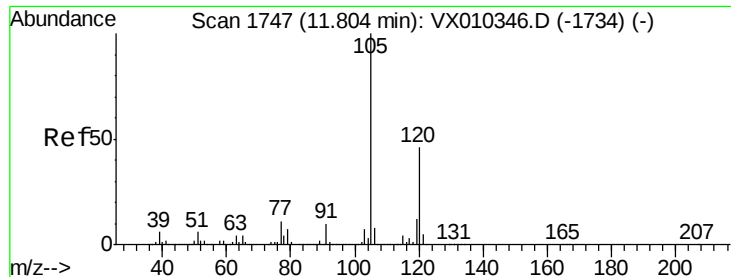
Tgt Ion: 105 Resp: 24844

Ion Ratio Lower Upper

105 100

120 51.1 25.2 75.6





#84

1,2,4-Trimethylbenzene

Concen: 8.256 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX010678.D

Acq: 04 Jul 2019 09:25

Instrument :

MSVOA_X

ClientSampleId :

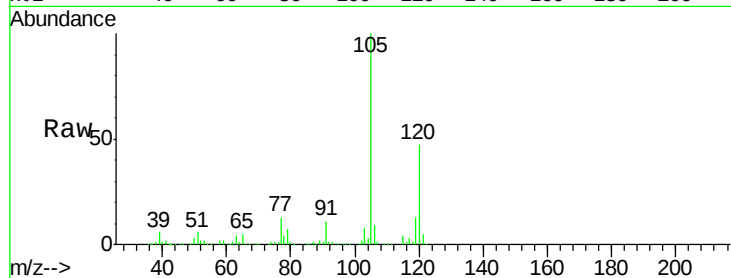
FL-0585

Tot Ion:105 Resp: 72770

Ion Ratio Lower Upper

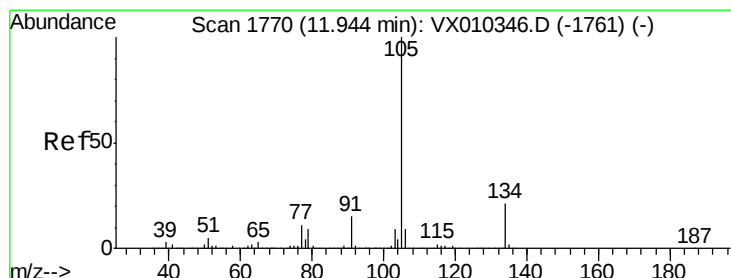
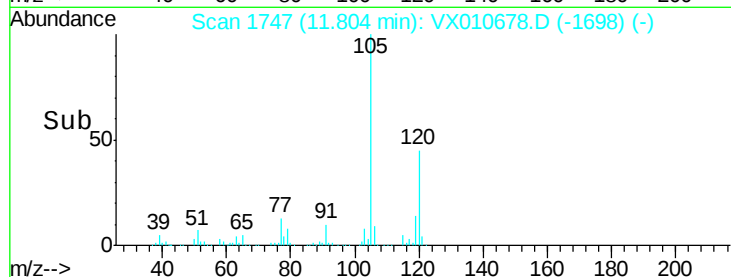
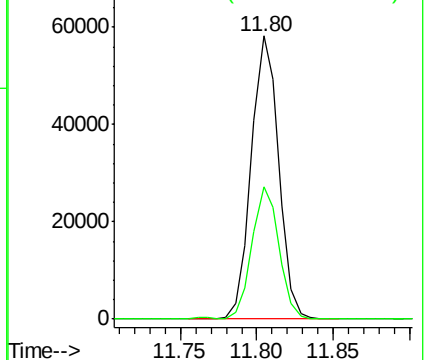
105 100

120 46.4 23.1 69.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 2.544 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX010678.D

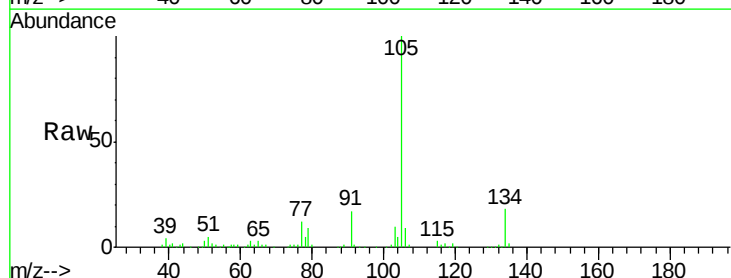
Acq: 04 Jul 2019 09:25

Tgt Ion:105 Resp: 26298

Ion Ratio Lower Upper

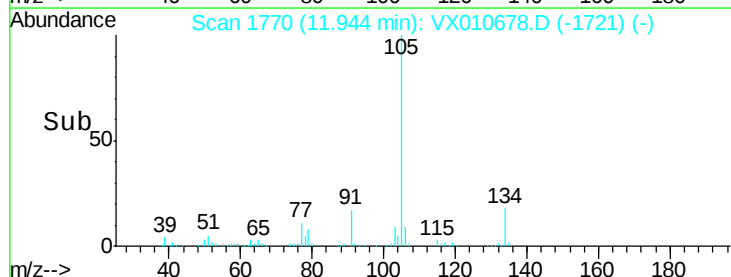
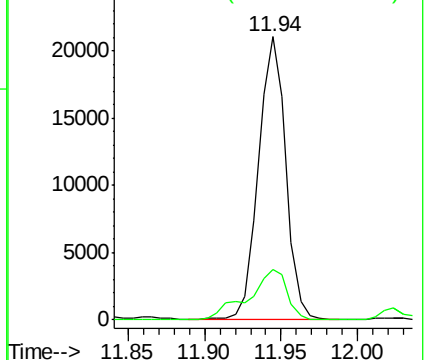
105 100

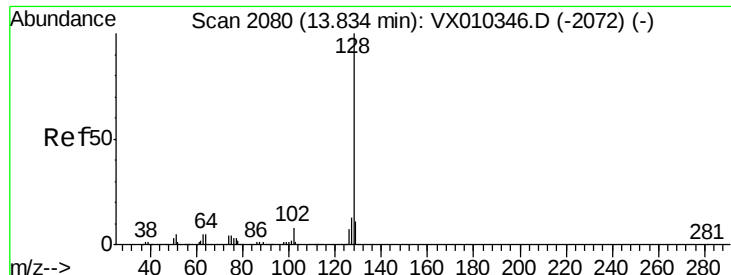
134 25.2 10.7 31.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#95
Naphthalene
Concen: 0.924 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010678.D
Acq: 04 Jul 2019 09:25

Instrument :
MSVOA_X
ClientSampleId :
FL-0585

Tot Ion	Ratio	Lower	Upper
128	100		
127	15.0	10.2	15.4
129	13.3	8.9	13.3

