

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
 Data File : VX010972.D
 Acq On : 18 Jul 2019 20:25
 Operator : JC/SP
 Sample : K3884-14
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0614

Quant Time: Jul 19 04:53:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071619W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 17 06:57:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	247082	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	381764	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	359227	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	185131	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	135693	51.62	ug/l	0.00
Spiked Amount			Recovery	=	103.24%	
35) Dibromofluoromethane	5.50	113	118540	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
50) Toluene-d8	8.71	98	465597	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
62) 4-Bromofluorobenzene	11.13	95	174316	52.18	ug/l	0.00
Spiked Amount			Recovery	=	104.36%	

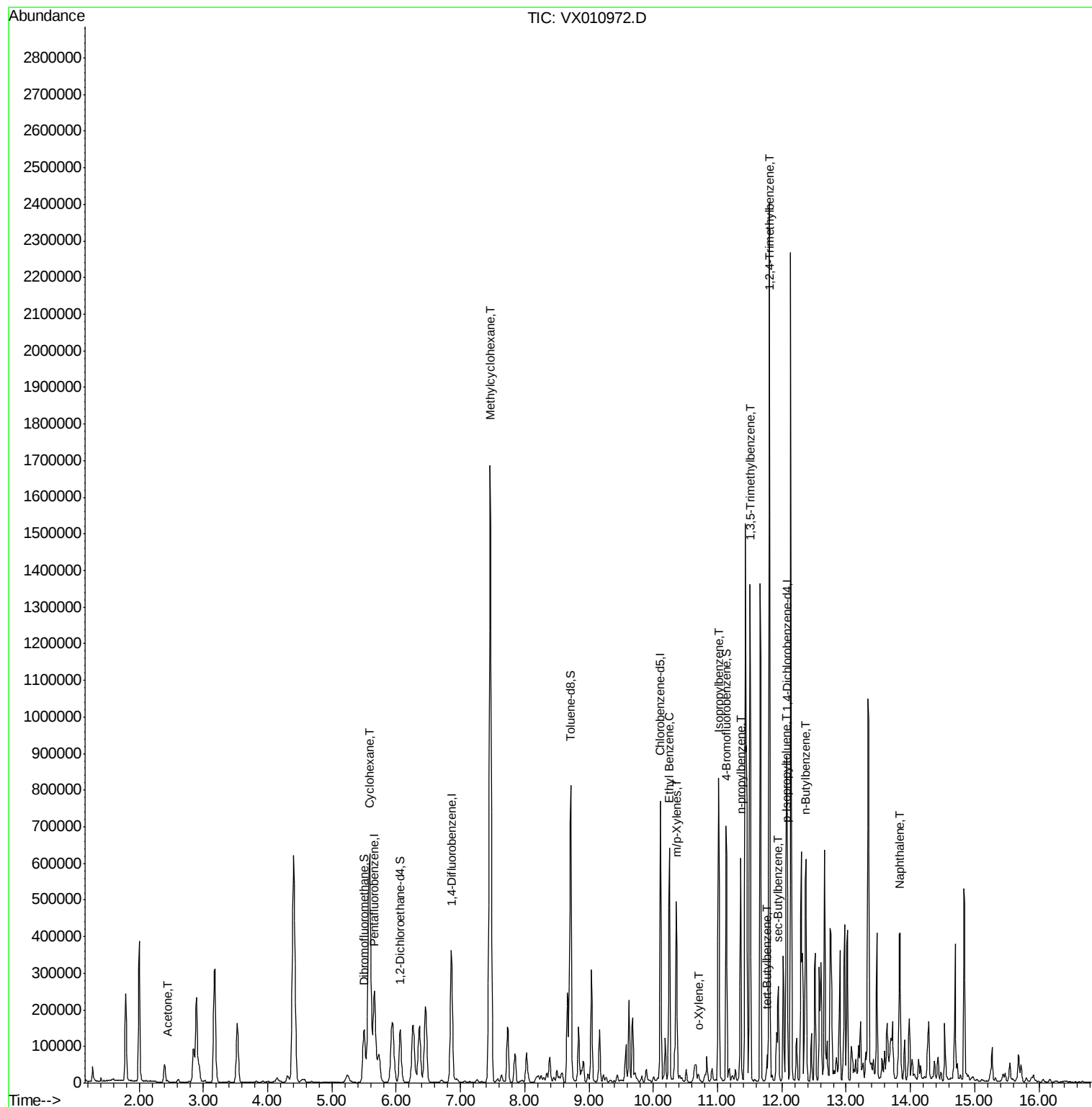
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.44	43	3650	3.074	ug/l	90
31) Cyclohexane	5.58	56	439821	123.234	ug/l	99
39) Methylcyclohexane	7.46	83	785327	193.117	ug/l	98
67) Ethyl Benzene	10.25	91	351739	28.008	ug/l	100
68) m/p-Xylenes	10.36	106	101691	21.109	ug/l	98
69) o-Xylene	10.69	106	4001	0.851	ug/l	88
73) Isopropylbenzene	11.02	105	433243	34.634	ug/l	100
78) n-propylbenzene	11.36	91	372373	26.941	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	587578	56.213	ug/l	100
83) tert-Butylbenzene	11.77	119	28278	2.754	ug/l	96
84) 1,2,4-Trimethylbenzene	11.80	105	1019374	96.758	ug/l	100
85) sec-Butylbenzene	11.94	105	133883	11.129	ug/l #	75
86) p-Isopropyltoluene	12.06	119	76803	6.905	ug/l	99
89) n-Butylbenzene	12.38	91	88023	9.251	ug/l #	22
95) Naphthalene	13.83	128	262030	22.063	ug/l	97

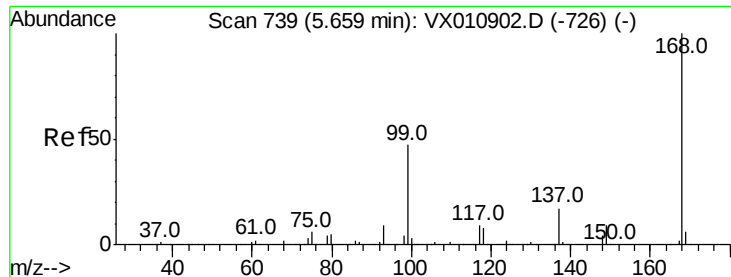
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX010972.D

Acq: 18 Jul 2019 20:25

Instrument :

MSVOA_X

ClientSampled :

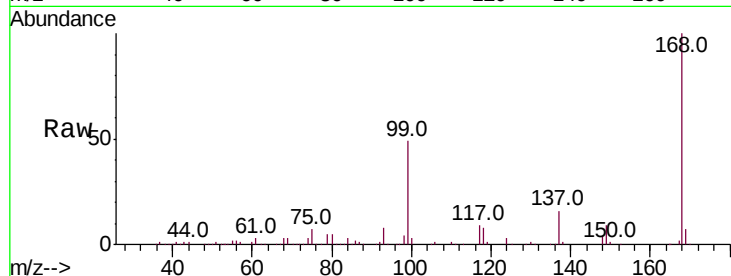
FL-0614

Tot Ion:168 Resp: 247082

Ion Ratio Lower Upper

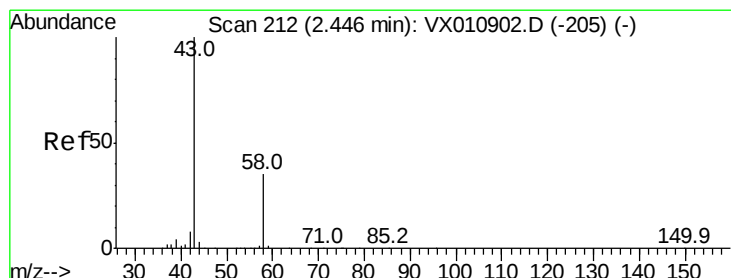
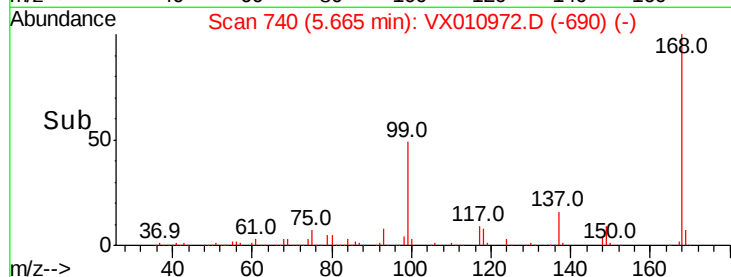
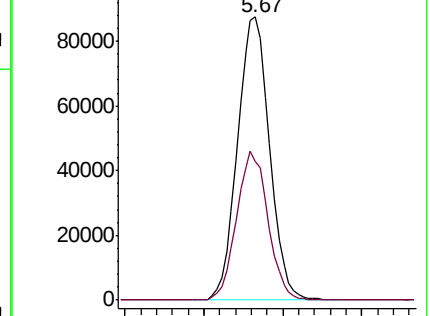
168 100

99 49.1 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 3.074 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010972.D

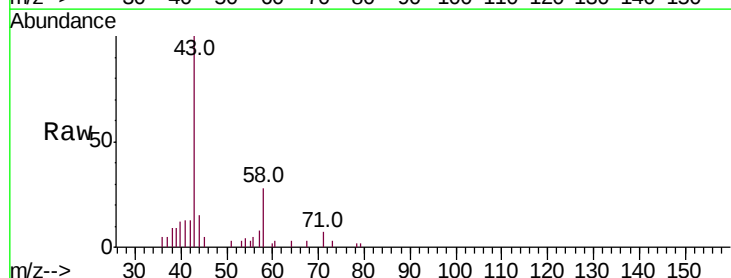
Acq: 18 Jul 2019 20:25

Tgt Ion: 43 Resp: 3650

Ion Ratio Lower Upper

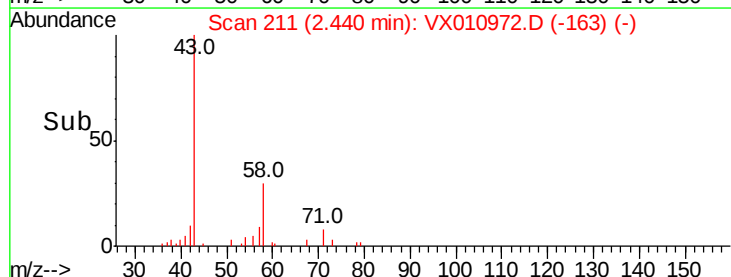
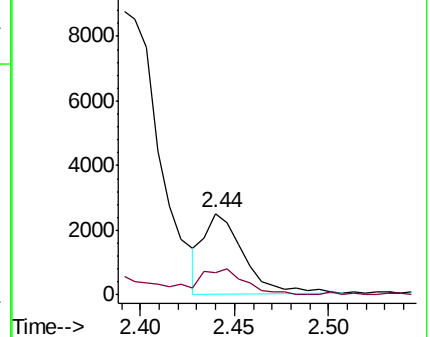
43 100

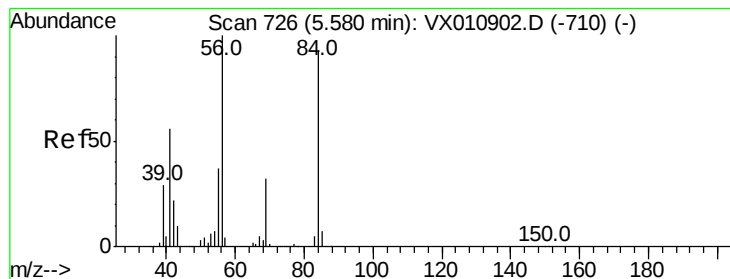
58 28.6 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#31

Cyclohexane

Concen: 123.234 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010972.D

Acq: 18 Jul 2019 20:25

Instrument :

MSVOA_X

ClientSampled :

FL-0614

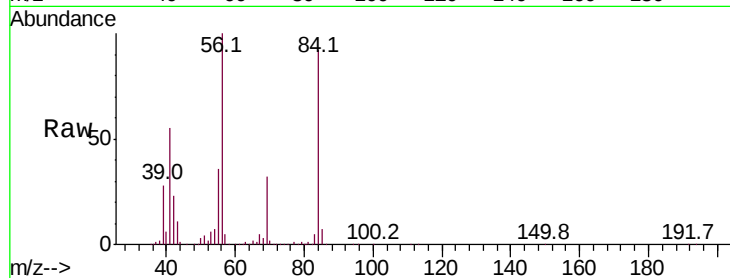
Tot Ion: 56 Resp: 439821

Ion Ratio Lower Upper

56 100

69 31.5 25.8 38.8

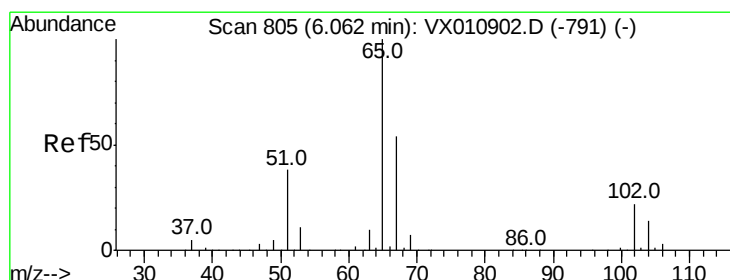
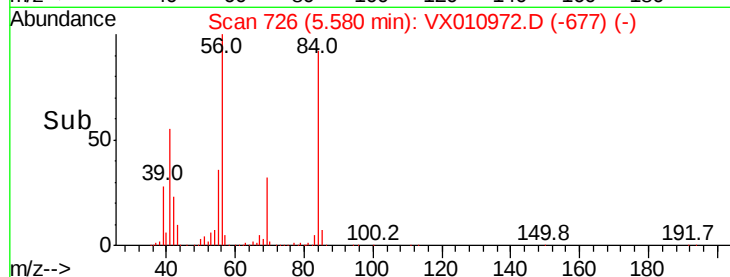
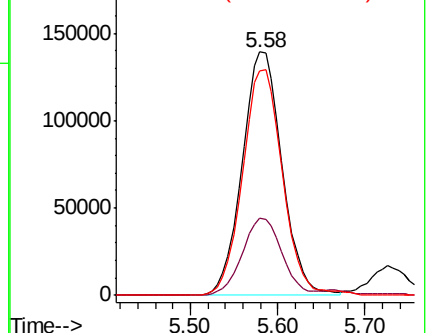
84 92.4 73.8 110.6



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 51.622 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010972.D

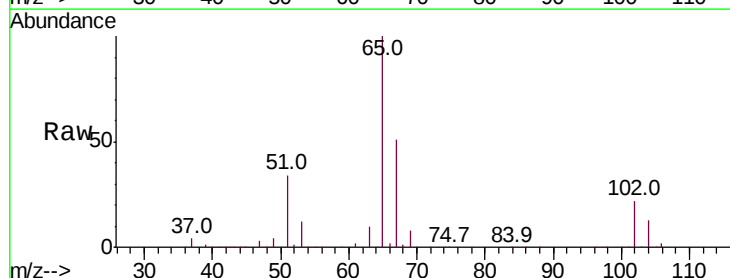
Acq: 18 Jul 2019 20:25

Tgt Ion: 65 Resp: 135693

Ion Ratio Lower Upper

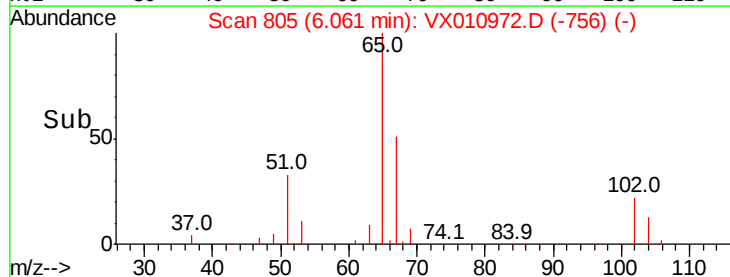
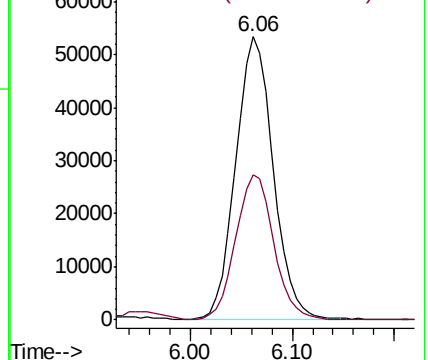
65 100

67 52.0 0.0 107.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010972.D

Acq: 18 Jul 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

FL-0614

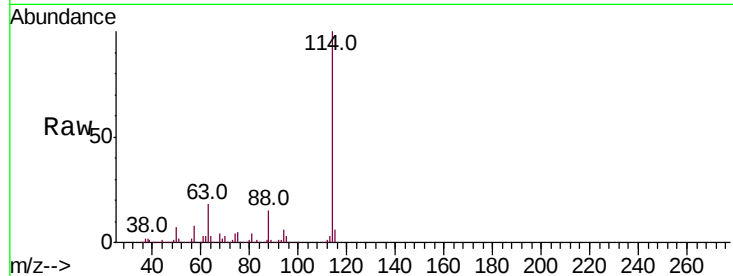
Tot Ion:114 Resp: 381764

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.6

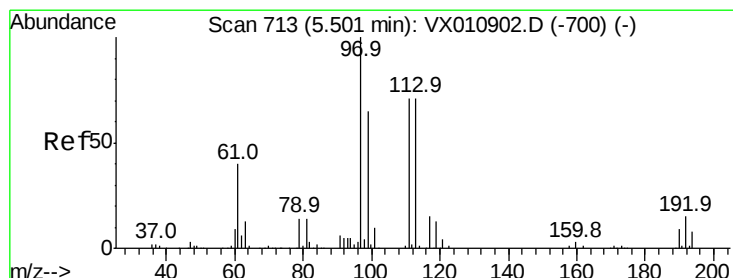
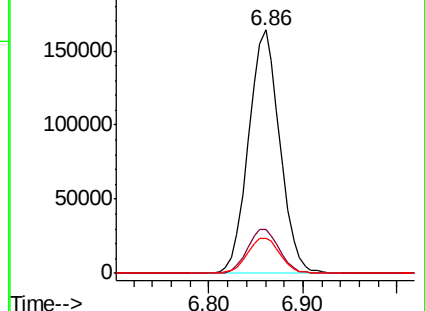
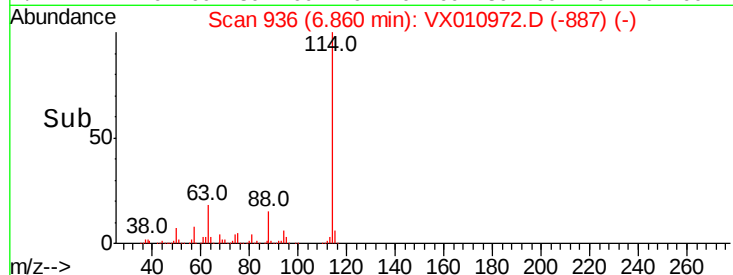
88 14.5 0.0 29.8



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: 48.920 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010972.D

Acq: 18 Jul 2019 20:25

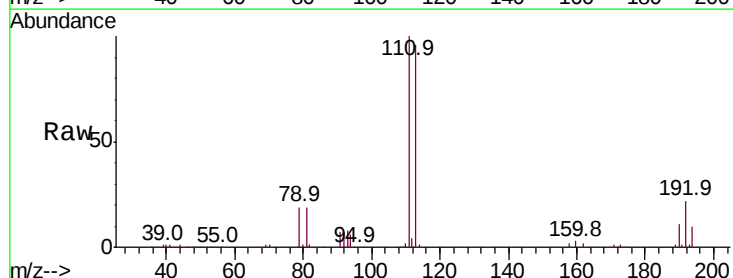
Tgt Ion:113 Resp: 118540

Ion Ratio Lower Upper

113 100

111 103.3 82.3 123.5

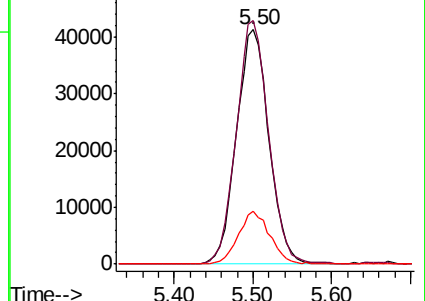
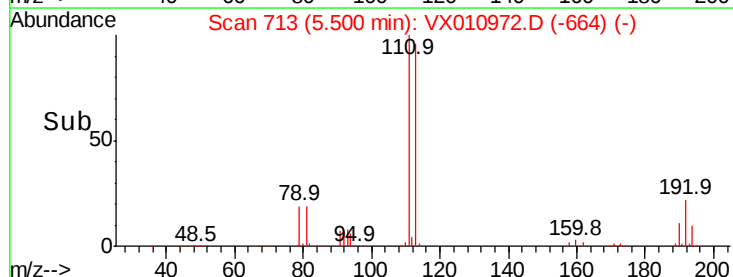
192 21.8 17.4 26.2

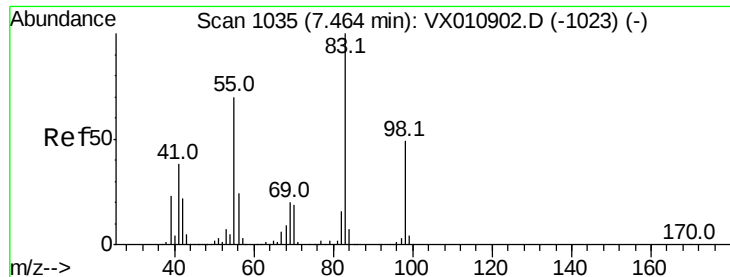


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

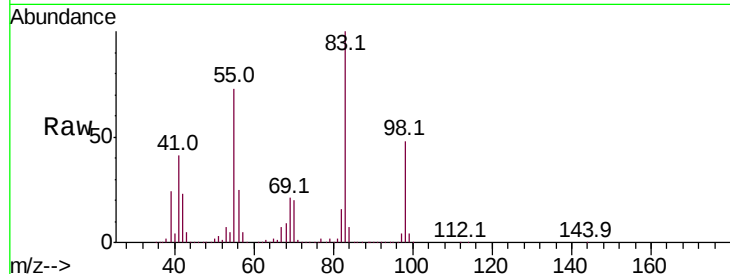




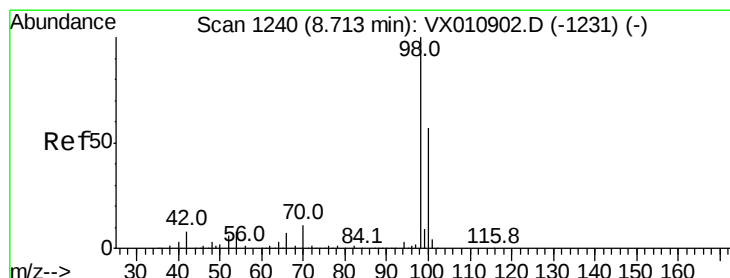
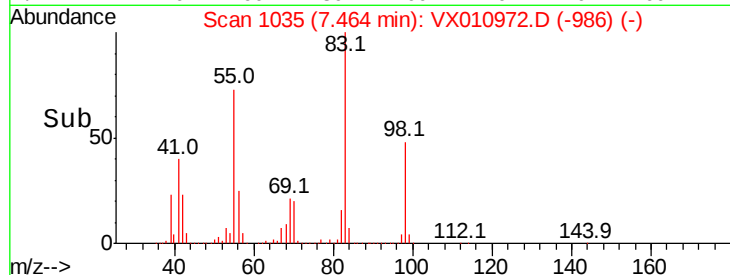
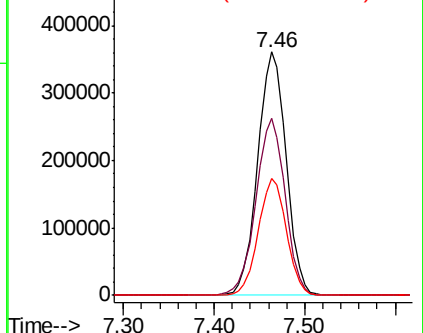
#39
Methvlcvclohexane
Concen: 193.117 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010972.D
Acq: 18 Jul 2019 20:25

Instrument :
MSVOA_X
ClientSampleId :
FL-0614

Tot Ion	83	Resp	785327
Ion	Ratio	Lower	Upper
83	100		
55	72.8	56.2	84.4
98	48.1	39.0	58.4

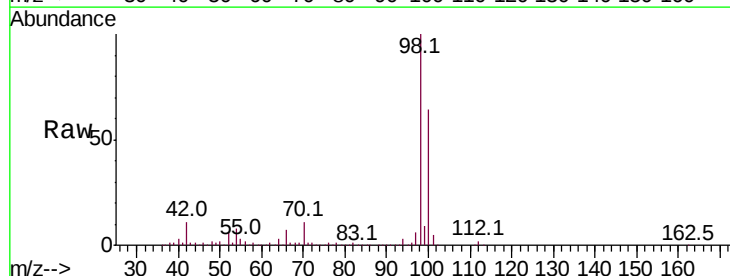


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

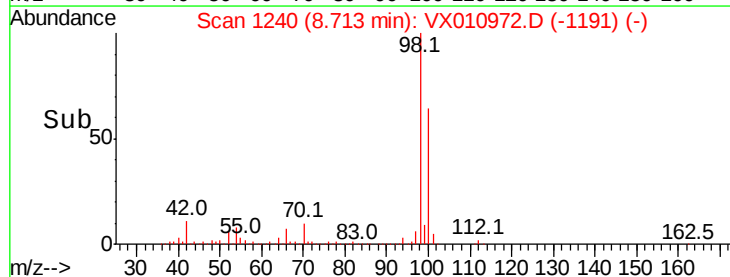
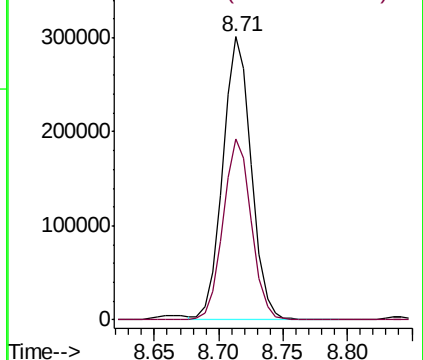


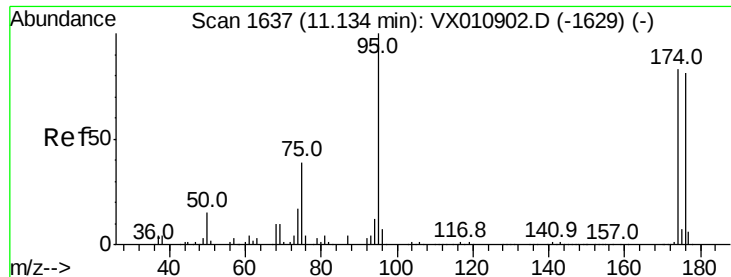
#50
Toluene-d8
Concen: 51.230 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010972.D
Acq: 18 Jul 2019 20:25

Tgt Ion	98	Resp	465597
Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.6	75.8



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 52.181 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010972.D

Acq: 18 Jul 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

FL-0614

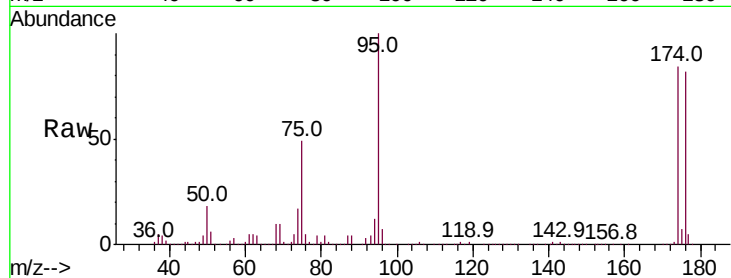
Tot Ion: 95 Resp: 174316

Ion Ratio Lower Upper

95 100

174 89.2 0.0 180.6

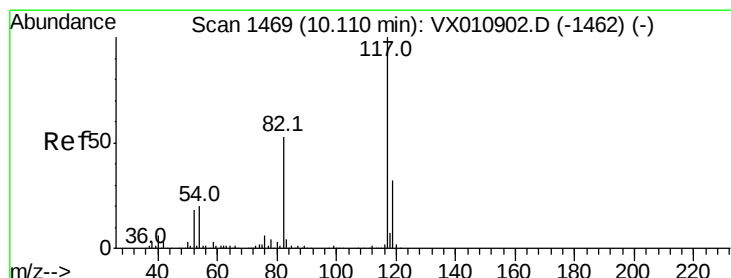
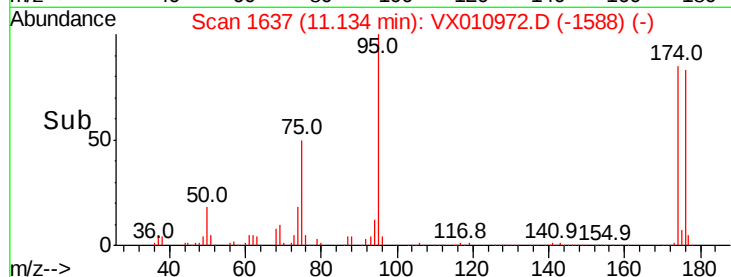
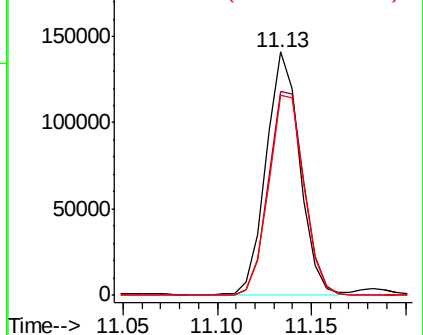
176 87.0 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX010902.D (-1629) (-)

Ion 173.80 (173.50 to 174.50): VX010902.D (-1629) (-)

Ion 175.80 (175.50 to 176.50): VX010902.D (-1629) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010972.D

Acq: 18 Jul 2019 20:25

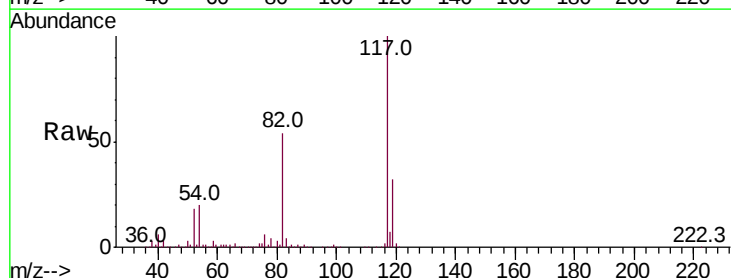
Tgt Ion: 117 Resp: 359227

Ion Ratio Lower Upper

117 100

82 53.5 42.6 63.8

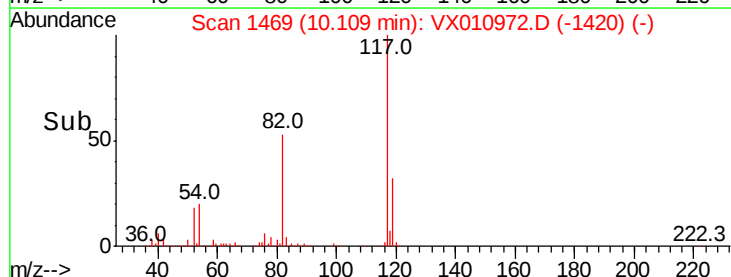
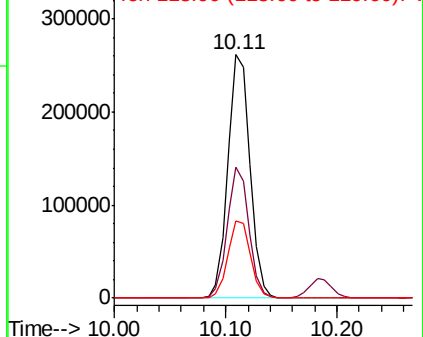
119 31.5 25.9 38.9

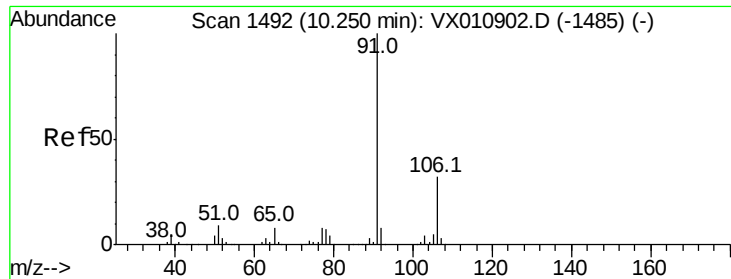


Abundance Ion 116.90 (116.60 to 117.60): VX010902.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX010902.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX010902.D (-1462) (-)

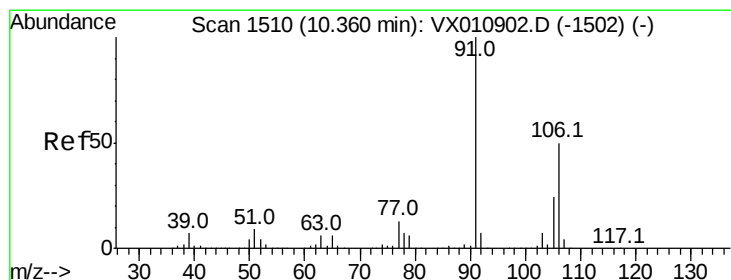
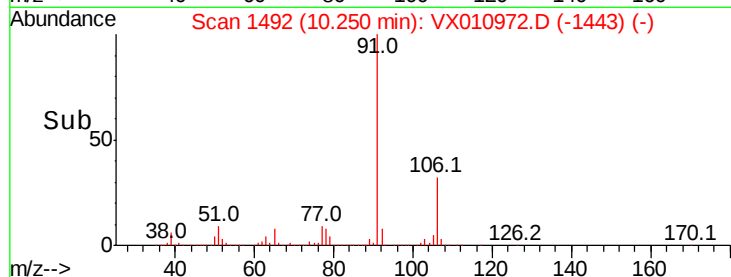
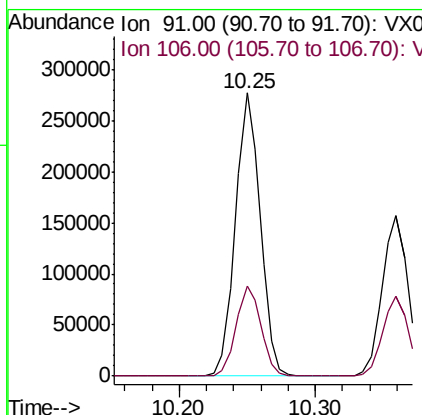
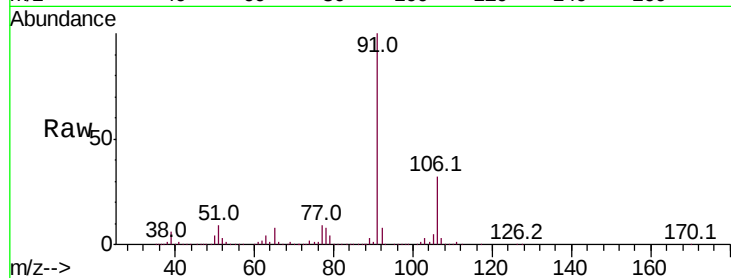




#67
Ethyl Benzene
Concen: 28.008 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010972.D
Acq: 18 Jul 2019 20:25

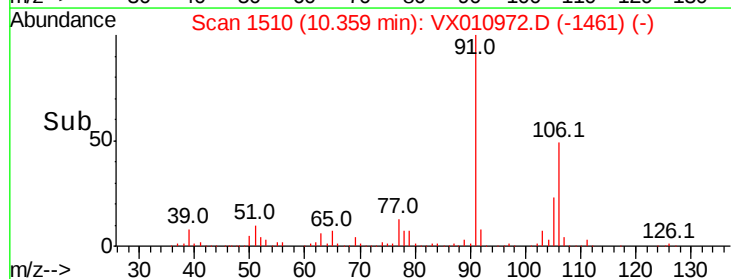
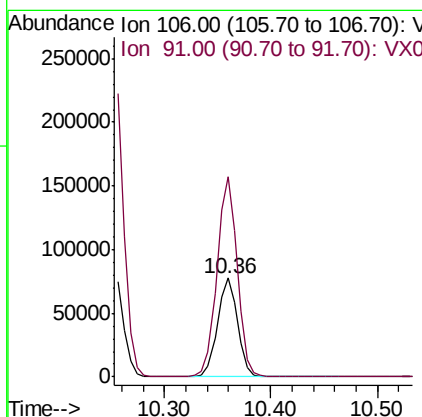
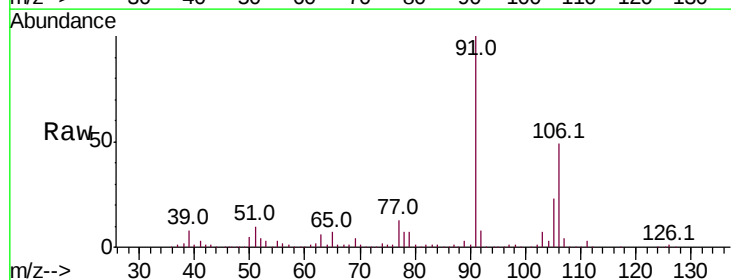
Instrument :
MSVOA_X
ClientSampled :
FL-0614

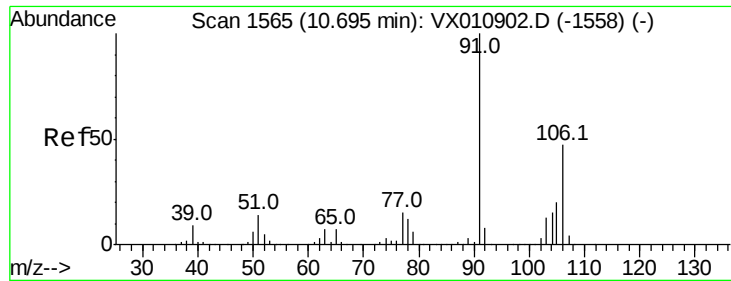
Tot Ion: 91 Resp: 351739
Ion Ratio Lower Upper
91 100
106 31.9 25.4 38.2



#68
m/p-Xylenes
Concen: 21.109 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010972.D
Acq: 18 Jul 2019 20:25

Tgt Ion: 106 Resp: 101691
Ion Ratio Lower Upper
106 100
91 202.8 160.1 240.1

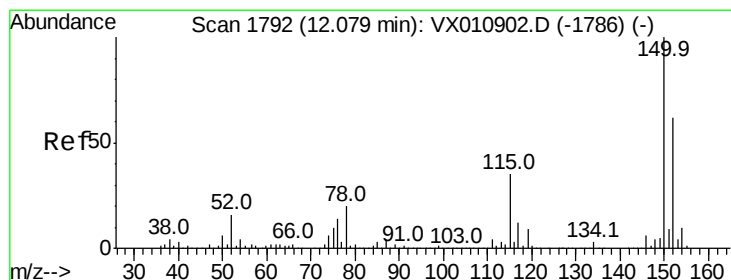
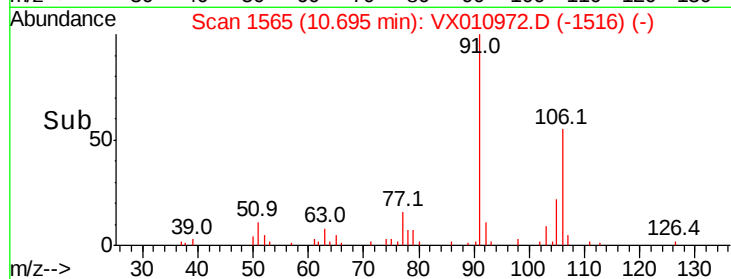
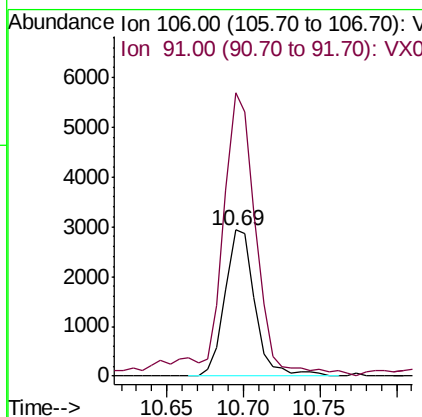
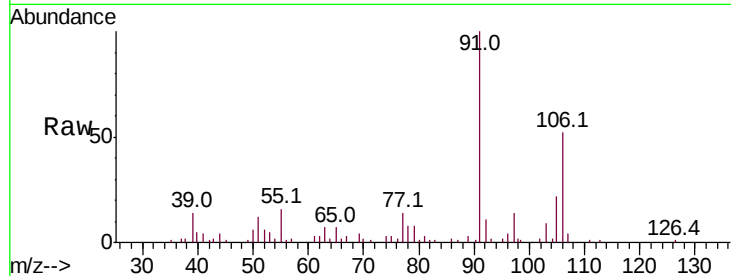




#69
o-Xylene
Concen: 0.851 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010972.D
Acq: 18 Jul 2019 20:25

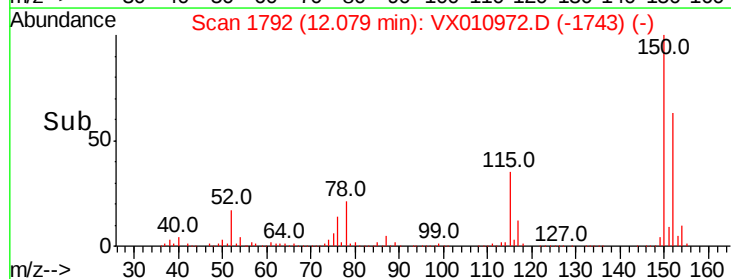
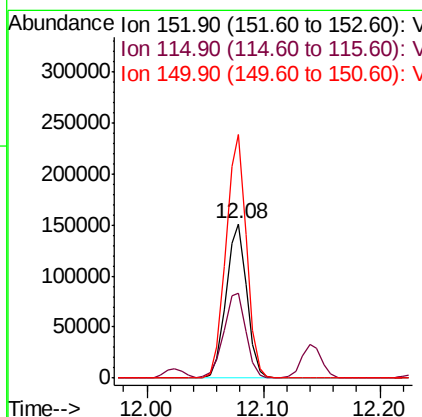
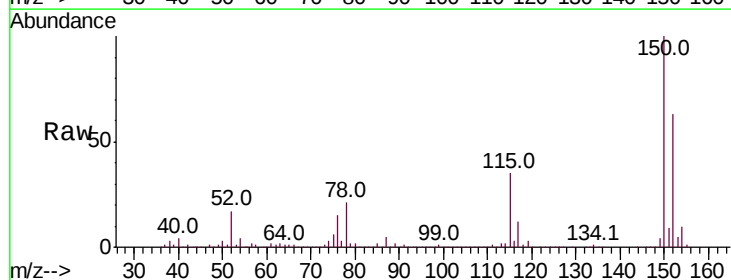
Instrument :
MSVOA_X
ClientSampled :
FL-0614

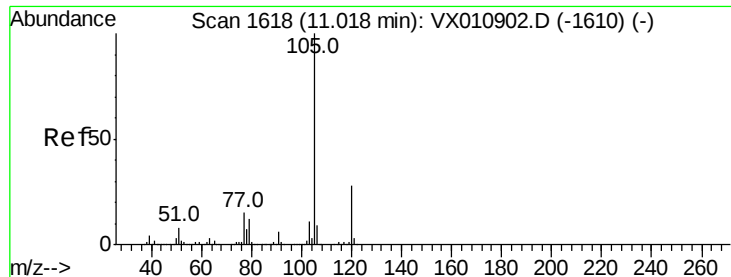
Tot Ion:106 Resp: 4001
Ion Ratio Lower Upper
106 100
91 229.2 105.1 315.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010972.D
Acq: 18 Jul 2019 20:25

Tgt Ion:152 Resp: 185131
Ion Ratio Lower Upper
152 100
115 59.0 39.7 119.1
150 156.6 0.0 345.6





#73

Isopropylbenzene

Concen: 34.634 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010972.D

Acq: 18 Jul 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

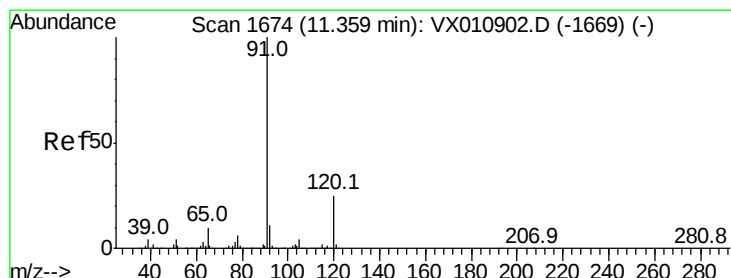
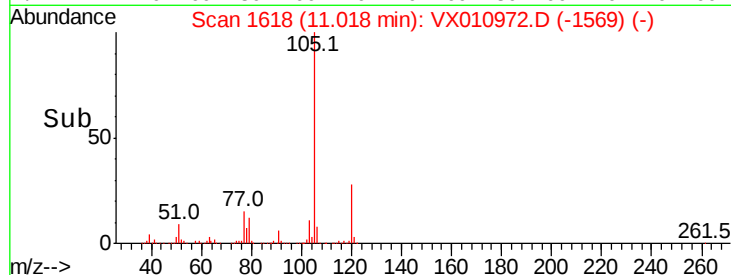
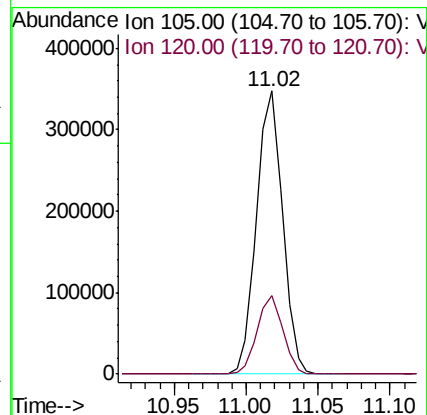
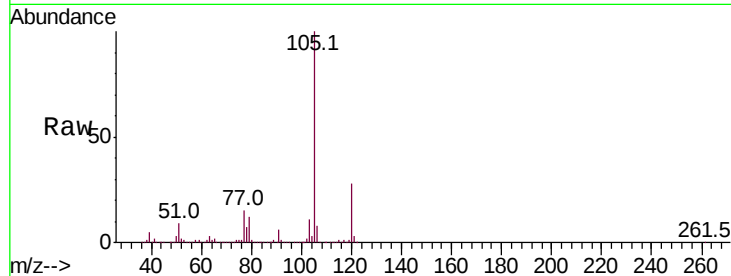
FL-0614

Tot Ion:105 Resp: 433243

Ion Ratio Lower Upper

105 100

120 27.3 13.7 41.1



#78

n-propylbenzene

Concen: 26.941 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010972.D

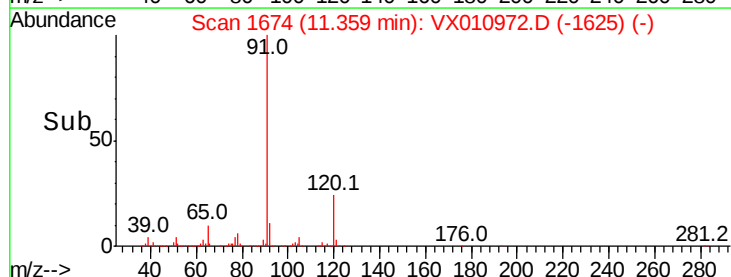
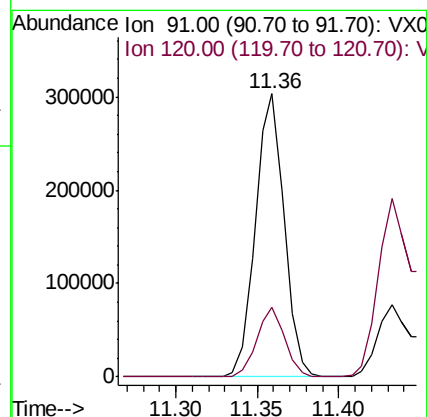
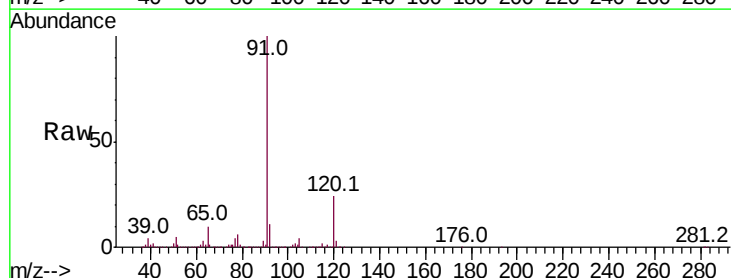
Acq: 18 Jul 2019 20:25

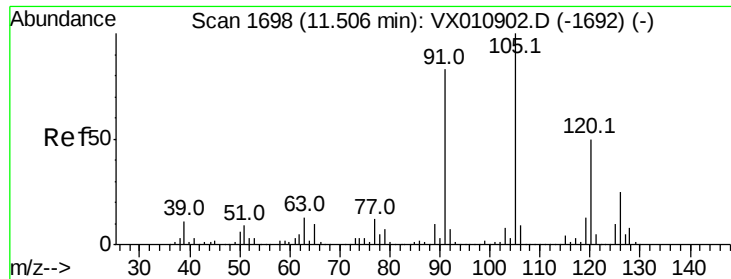
Tgt Ion: 91 Resp: 372373

Ion Ratio Lower Upper

91 100

120 24.0 12.3 36.8





#80

1,3,5-Trimethylbenzene

Concen: 56.213 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX010972.D

Acq: 18 Jul 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

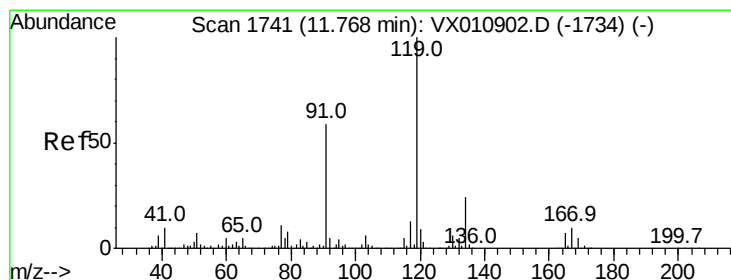
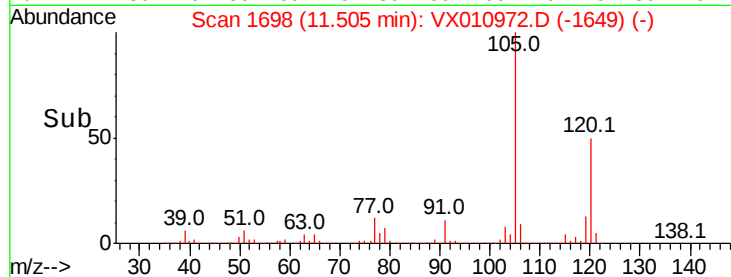
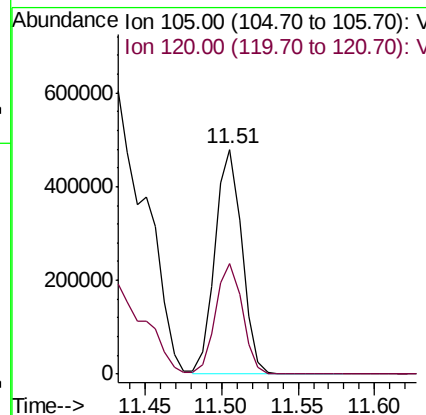
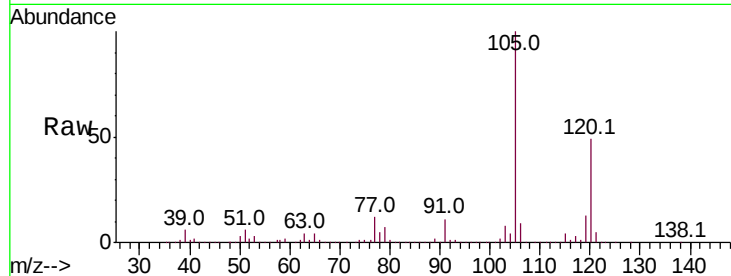
FL-0614

Tot Ion:105 Resp: 587578

Ion Ratio Lower Upper

105 100

120 49.2 24.6 73.8



#83

tert-Butylbenzene

Concen: 2.754 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX010972.D

Acq: 18 Jul 2019 20:25

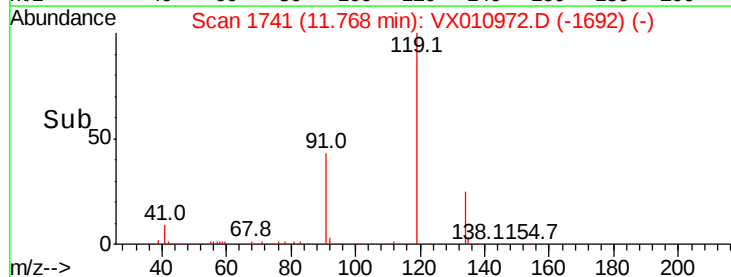
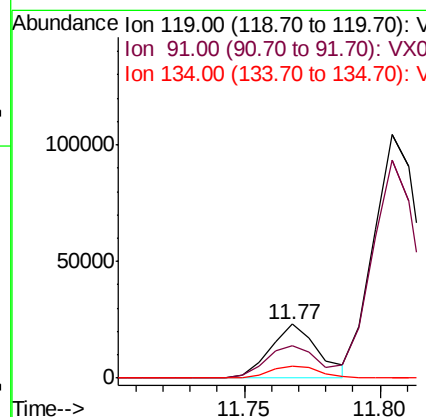
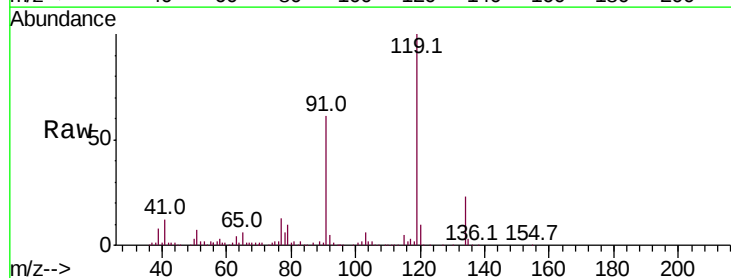
Tgt Ion:119 Resp: 28278

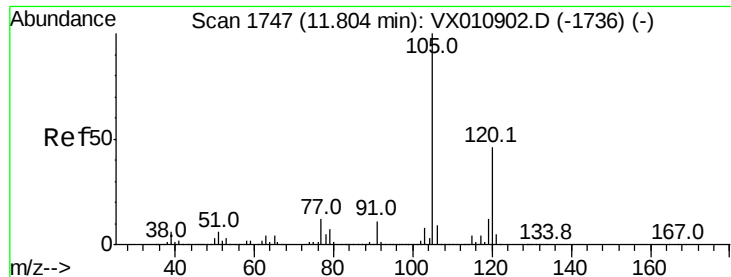
Ion Ratio Lower Upper

119 100

91 61.4 28.6 85.8

134 23.6 11.6 34.8





#84

1,2,4-Trimethylbenzene

Concen: 96.758 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX010972.D

Acq: 18 Jul 2019 20:25

Instrument :

MSVOA_X

ClientSampled :

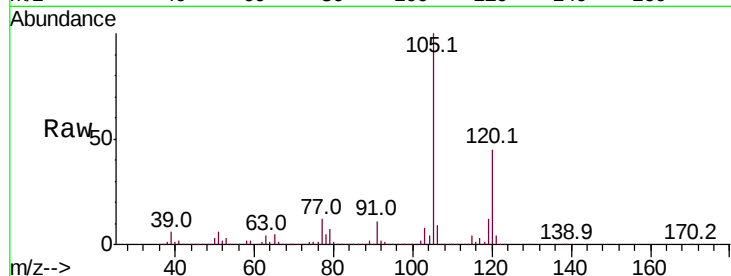
FL-0614

Tot Ion:105 Resp: 1019374

Ion Ratio Lower Upper

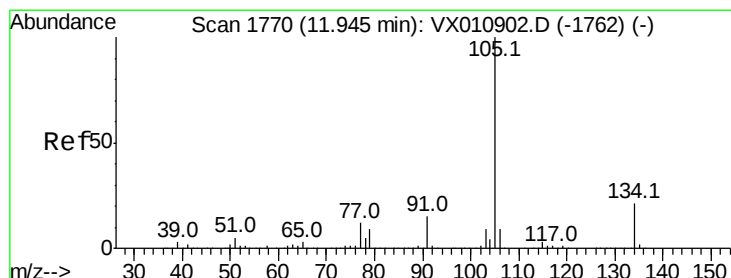
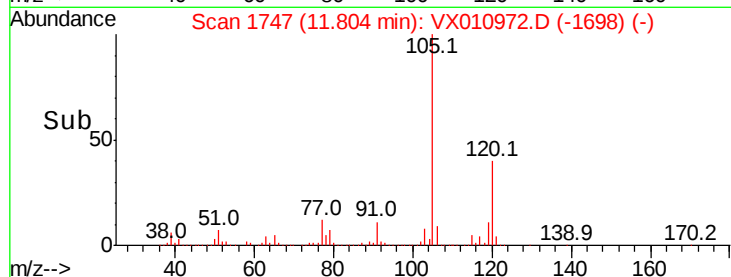
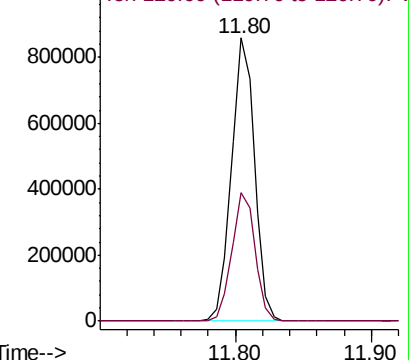
105 100

120 45.8 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 11.129 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010972.D

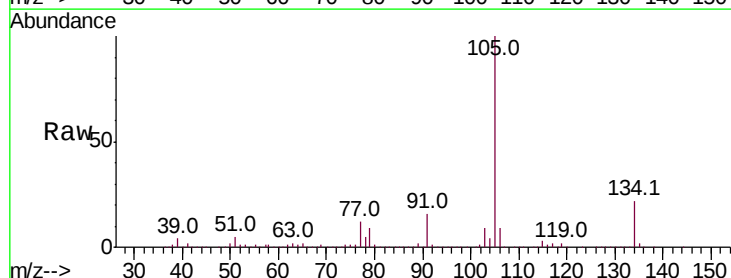
Acq: 18 Jul 2019 20:25

Tgt Ion:105 Resp: 133883

Ion Ratio Lower Upper

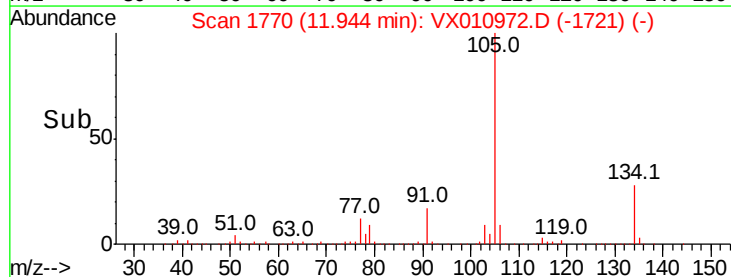
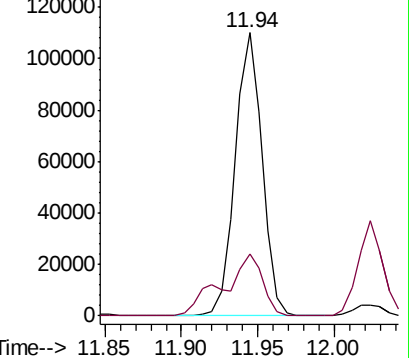
105 100

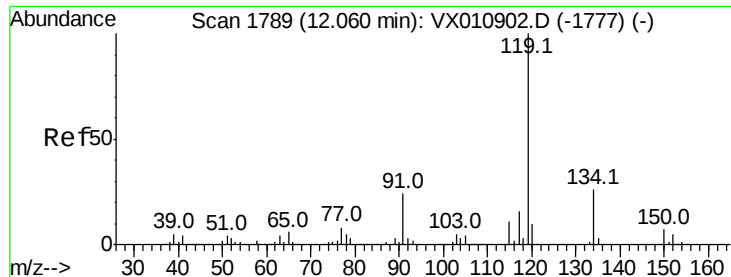
134 32.7 10.4 31.4#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

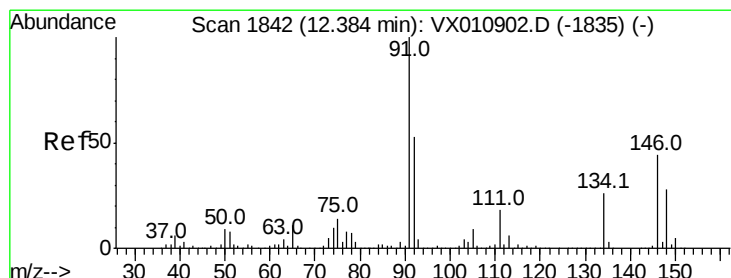
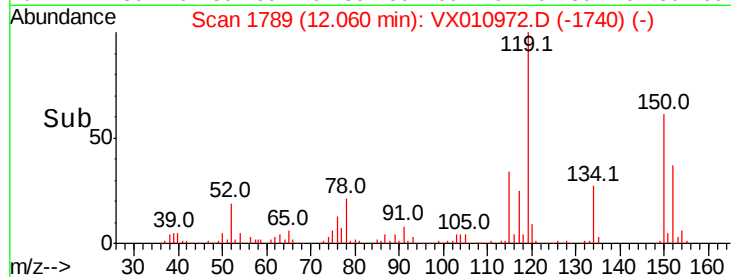
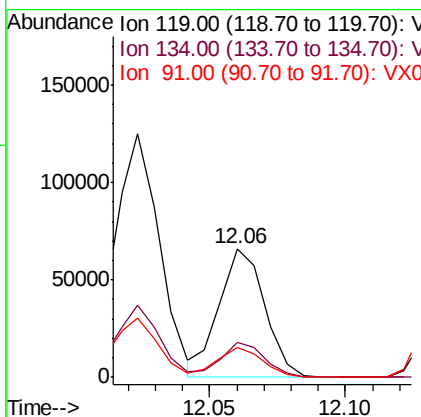
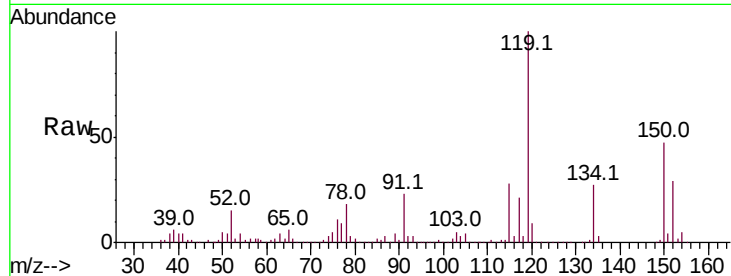




#86
p-Isopropyltoluene
Concen: 6.905 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX010972.D
Acq: 18 Jul 2019 20:25

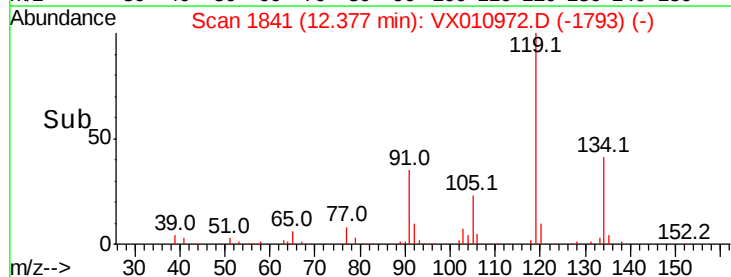
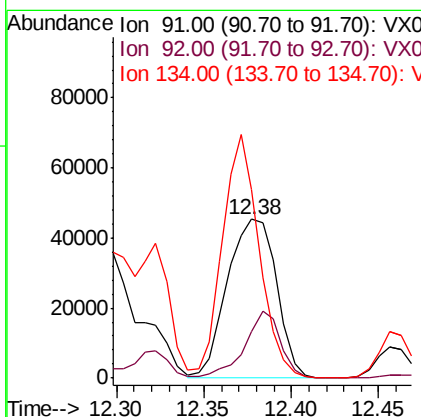
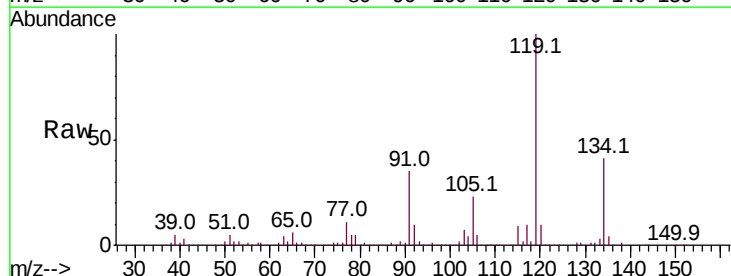
Instrument :
MSVOA_X
ClientSampleId :
FL-0614

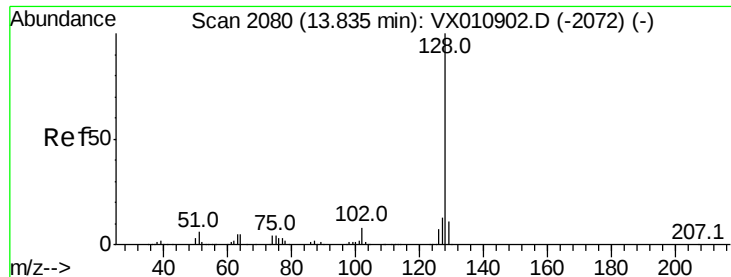
Tot Ion: 119 Resp: 76803
Ion Ratio Lower Upper
119 100
134 26.5 13.4 40.1
91 23.1 11.8 35.4



#89
n-Butylbenzene
Concen: 9.251 ug/l
RT: 12.38 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX010972.D
Acq: 18 Jul 2019 20:25

Tgt Ion: 91 Resp: 88023
Ion Ratio Lower Upper
91 100
92 30.9 26.2 78.5
134 115.2 13.8 41.3#





#95

Naphthalene

Concen: 22.063 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX010972.D

Acq: 18 Jul 2019 20:25

Instrument :

MSVOA_X

ClientSampleId :

FL-0614

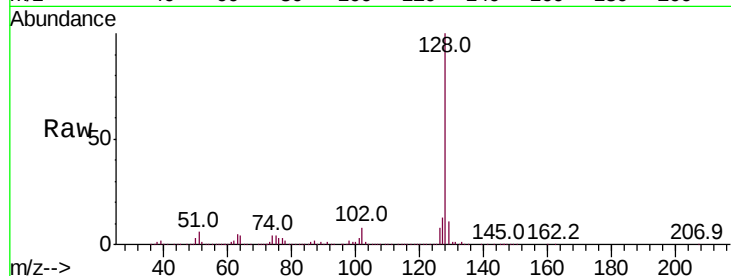
Tot Ion:128 Resp: 262030

Ion Ratio Lower Upper

128 100

127 13.9 10.4 15.6

129 12.4 8.9 13.3



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

