

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
 Data File : VX010971.D
 Acq On : 18 Jul 2019 20:02
 Operator : JC/SP
 Sample : K3884-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0631

Quant Time: Jul 19 04:50:34 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	5.66	168	252654	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	392954	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	366396	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	188263	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	139187	51.78	ug/l	0.00
Spiked Amount			Recovery	=	103.56%	
35) Dibromofluoromethane	5.50	113	123056	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
50) Toluene-d8	8.71	98	473416	50.61	ug/l	0.00
Spiked Amount			Recovery	=	101.22%	
62) 4-Bromofluorobenzene	11.13	95	180115	52.38	ug/l	0.00
Spiked Amount			Recovery	=	104.76%	

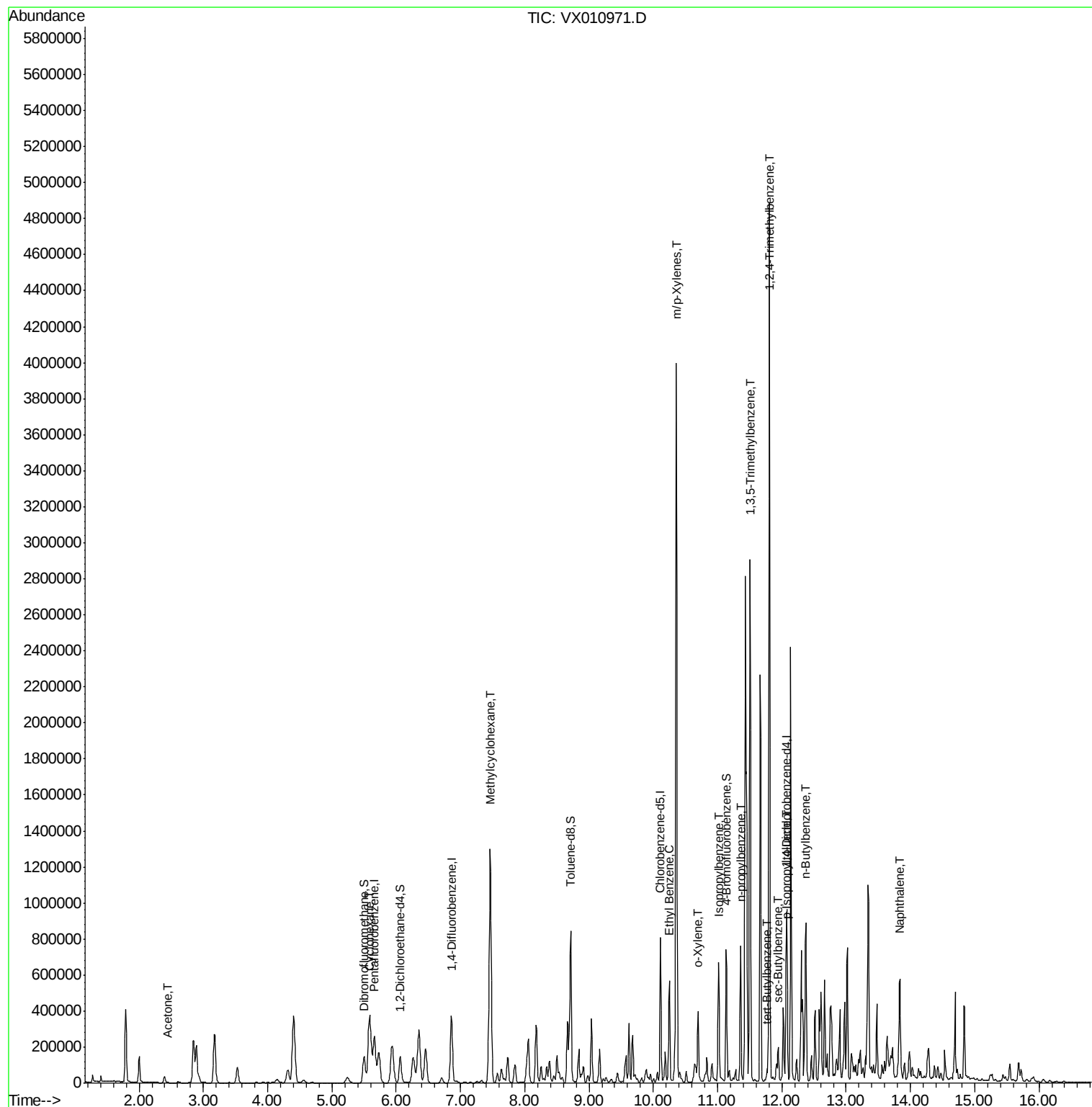
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.44	43	2453	2.021	ug/l	94
31) Cyclohexane	5.58	56	265608	72.780	ug/l	97
39) Methylcyclohexane	7.46	83	602605	143.965	ug/l	97
67) Ethyl Benzene	10.25	91	311121	24.289	ug/l	99
68) m/p-Xylenes	10.36	106	921232	187.489	ug/l	98
69) o-Xylene	10.69	106	84598	17.642	ug/l	96
73) Isopropylbenzene	11.02	105	346166	27.212	ug/l	99
78) n-propylbenzene	11.36	91	460697	32.777	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1223913	115.142	ug/l	99
83) tert-Butylbenzene	11.77	119	18706	1.792	ug/l	86
84) 1,2,4-Trimethylbenzene	11.80	105	2119079	197.794	ug/l	100
85) sec-Butylbenzene	11.94	105	91618	7.489	ug/l	99
86) p-Isopropyltoluene	12.06	119	97089	8.584	ug/l	98
89) n-Butylbenzene	12.37	91	107349	11.094	ug/l #	11
95) Naphthalene	13.83	128	359087	29.732	ug/l	98

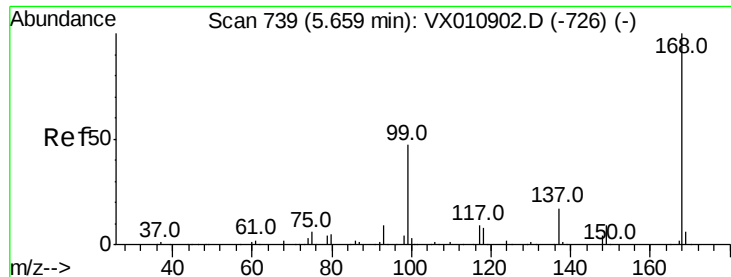
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Jul 17 06:57:45 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

Instrument :

MSVOA_X

ClientSampled :

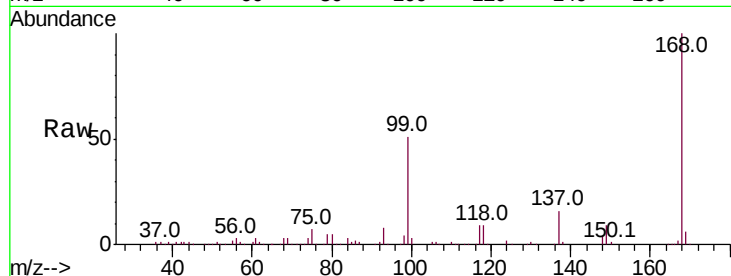
FL-0631

Tot Ion:168 Resp: 252654

Ion Ratio Lower Upper

168 100

99 51.2 37.6 56.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

80000

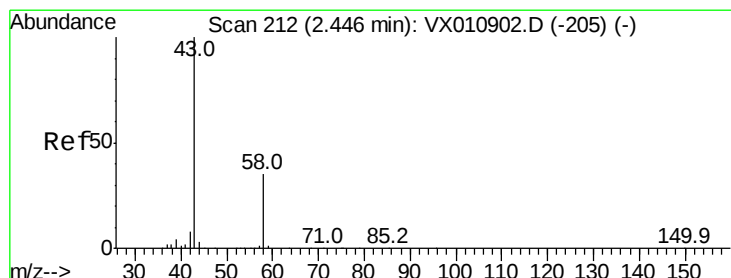
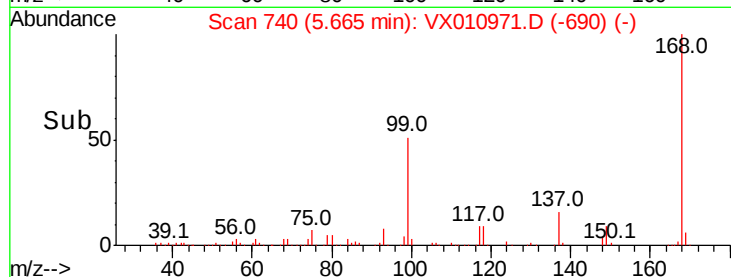
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#16

Acetone

Concen: 2.021 ug/l

RT: 2.44 min Scan# 211

Delta R.T. -0.01 min

Lab File: VX010971.D

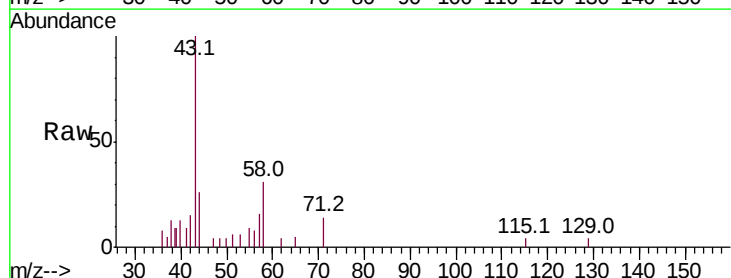
Acq: 18 Jul 2019 20:02

Tgt Ion: 43 Resp: 2453

Ion Ratio Lower Upper

43 100

58 31.0 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

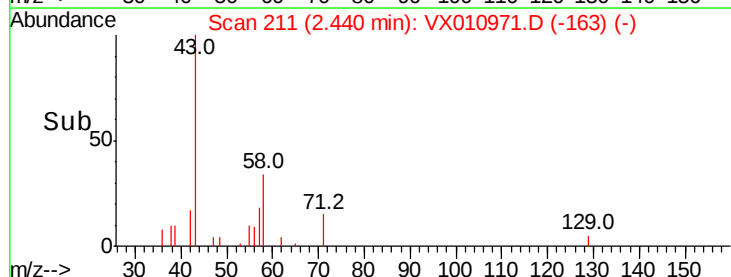
6000

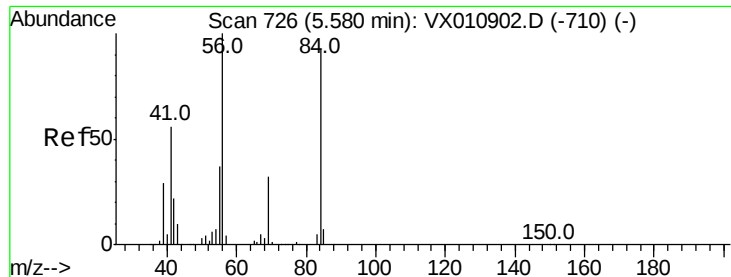
4000

2000

0

Time--> 2.40 2.45 2.50





#31

Cvclohexane

Concen: 72.780 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

Instrument :

MSVOA_X

ClientSampleId :

FL-0631

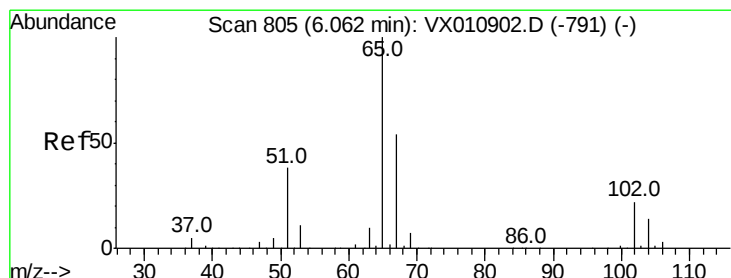
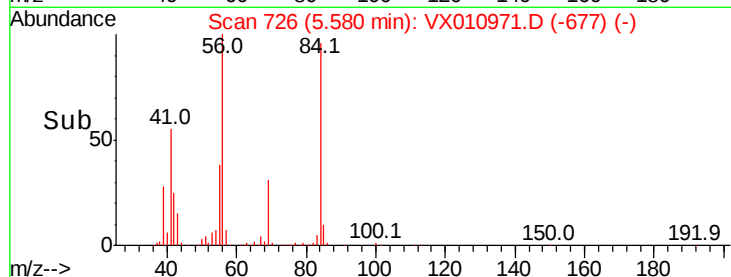
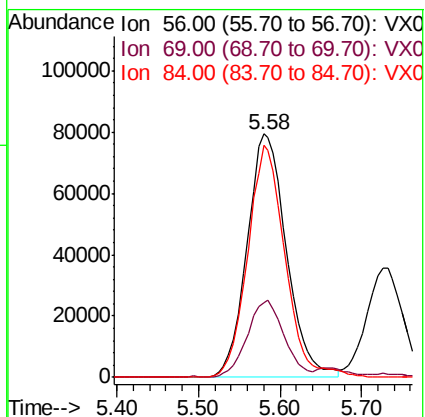
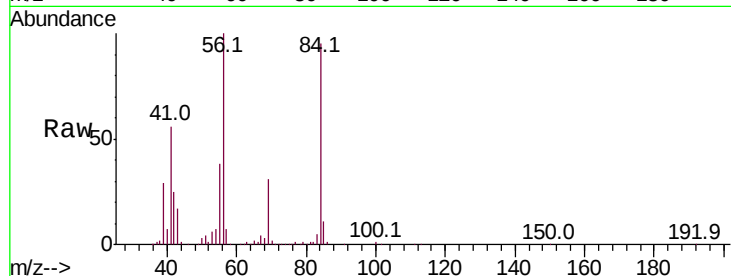
Tot Ion: 56 Resp: 265608

Ion Ratio Lower Upper

56 100

69 30.7 25.8 38.8

84 95.6 73.8 110.6



#33

1,2-Dichloroethane-d4

Concen: 51.784 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010971.D

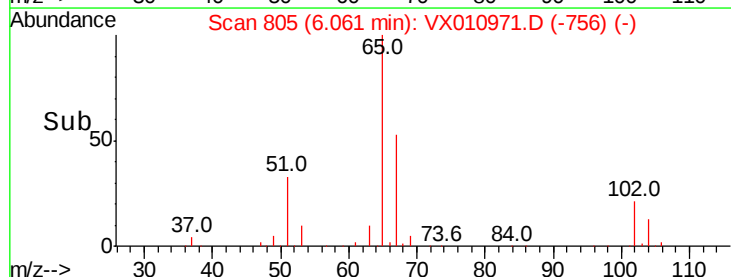
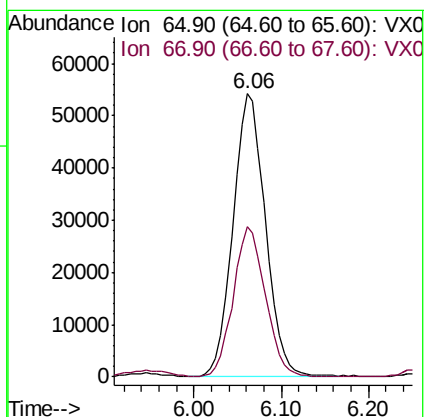
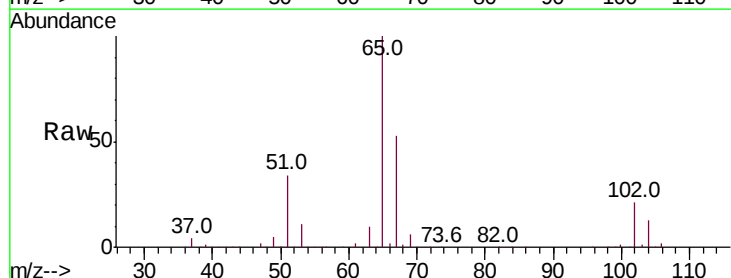
Acq: 18 Jul 2019 20:02

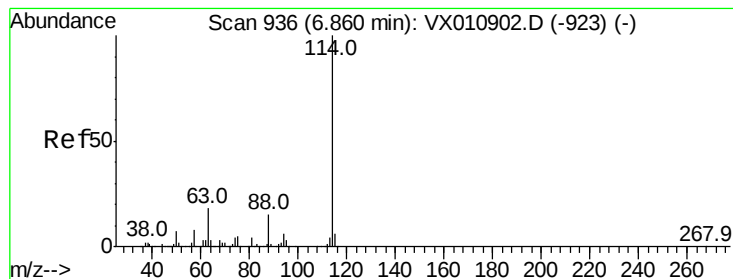
Tgt Ion: 65 Resp: 139187

Ion Ratio Lower Upper

65 100

67 52.6 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

Instrument :

MSVOA_X

ClientSampleId :

FL-0631

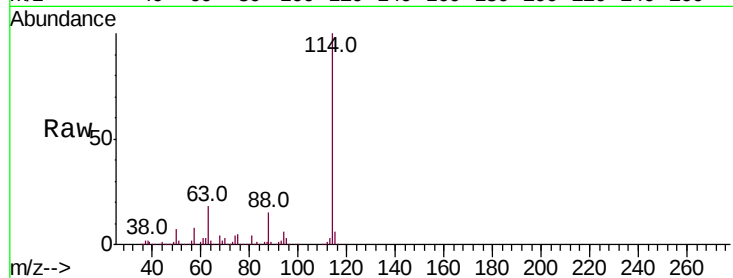
Tot Ion:114 Resp: 392954

Ion Ratio Lower Upper

114 100

63 17.9 0.0 35.6

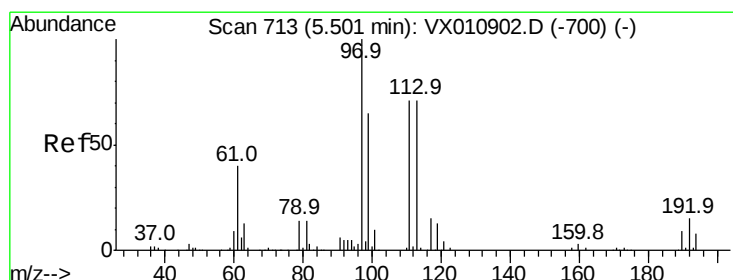
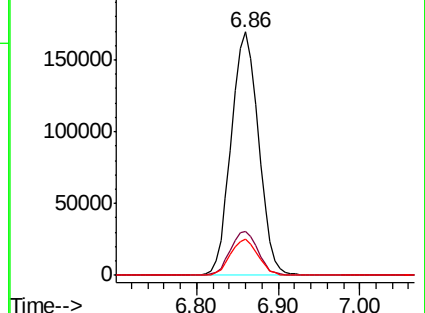
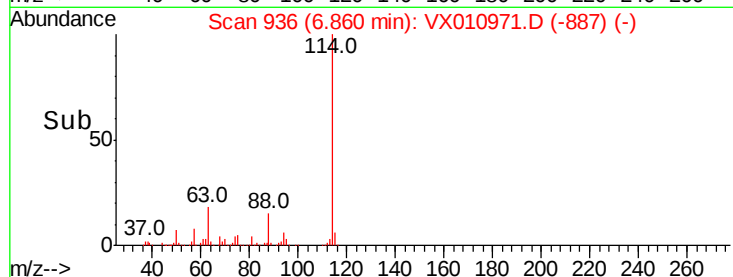
88 14.8 0.0 29.8



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: 49.338 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

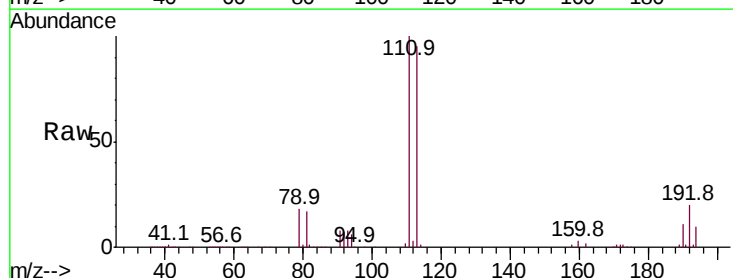
Tgt Ion:113 Resp: 123056

Ion Ratio Lower Upper

113 100

111 101.8 82.3 123.5

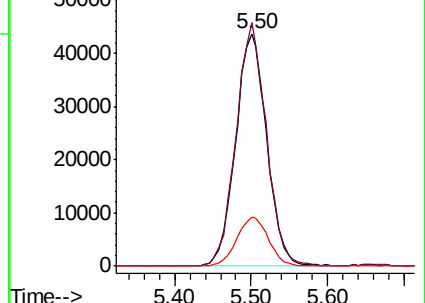
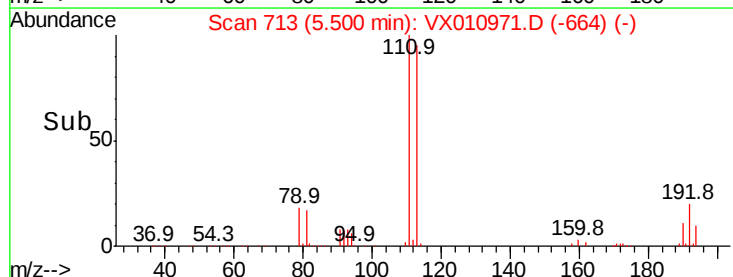
192 21.5 17.4 26.2

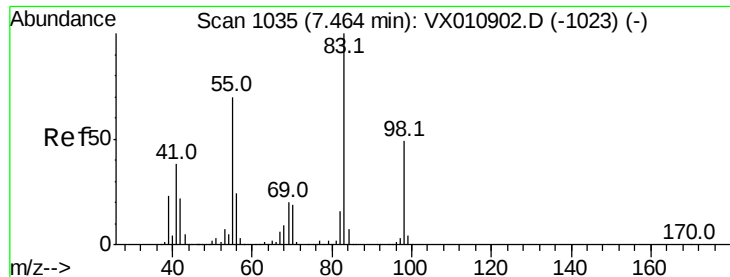


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

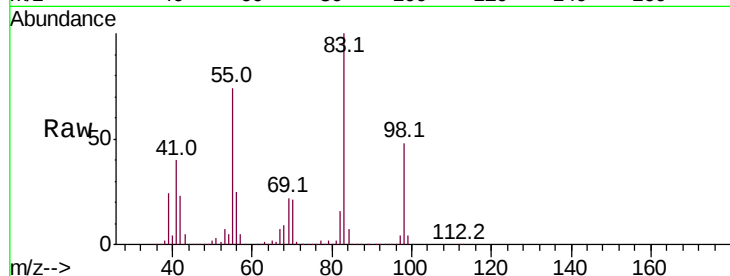




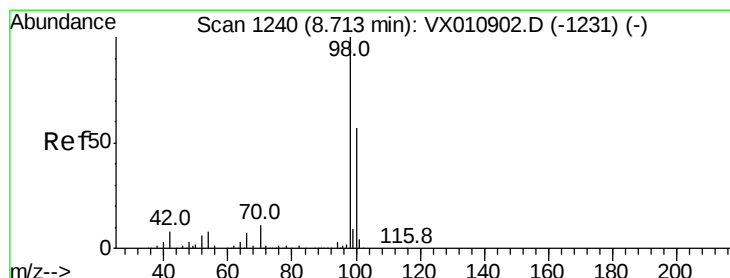
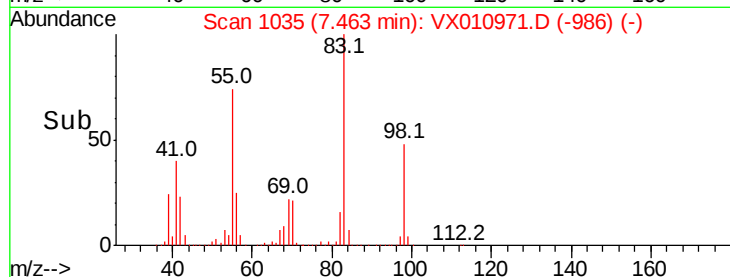
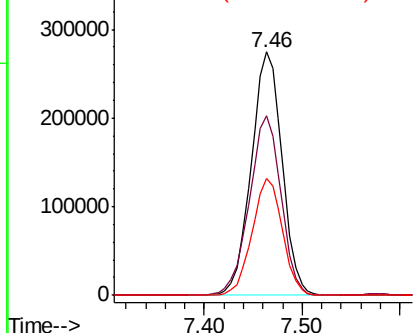
#39
Methvlcvclohexane
Concen: 143.965 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

Instrument :
MSVOA_X
ClientSampleId :
FL-0631

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.9	56.2	84.4
98	48.0	39.0	58.4

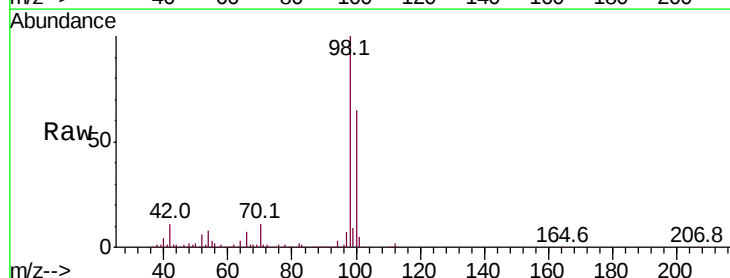


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

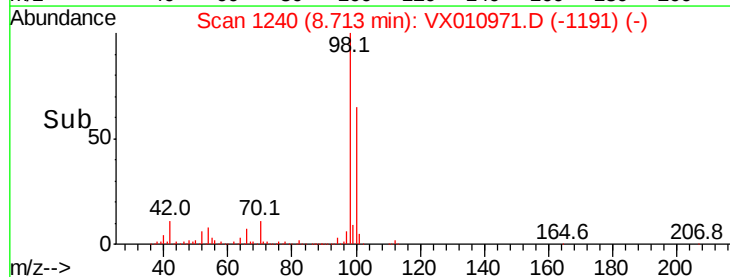
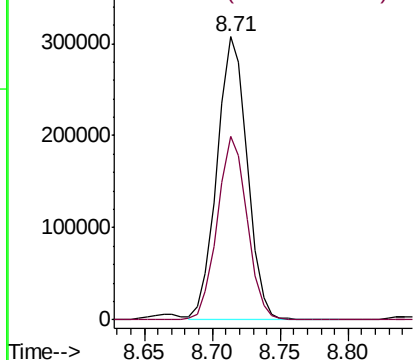


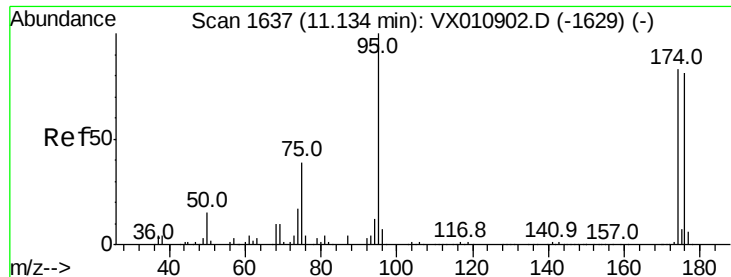
#50
Toluene-d8
Concen: 50.607 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.9	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: 52.382 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

Instrument :

MSVOA_X

ClientSampleId :

FL-0631

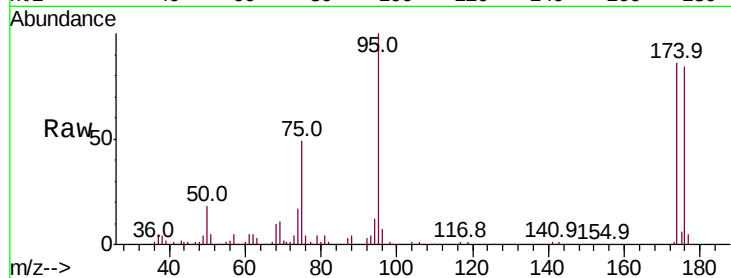
Tot Ion: 95 Resp: 180115

Ion Ratio Lower Upper

95 100

174 89.3 0.0 180.6

176 86.2 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) (-)

11.13

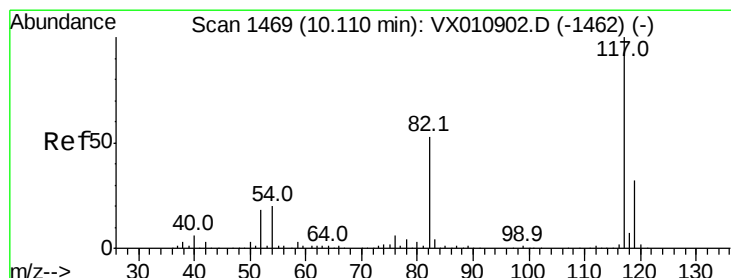
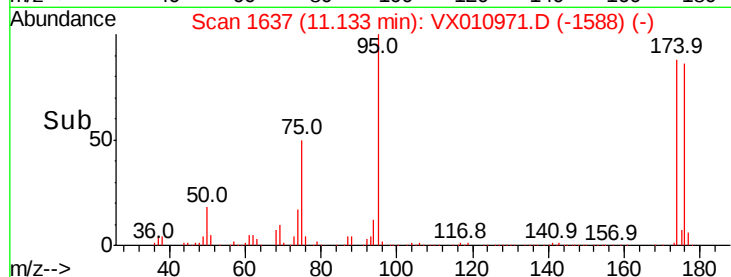
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

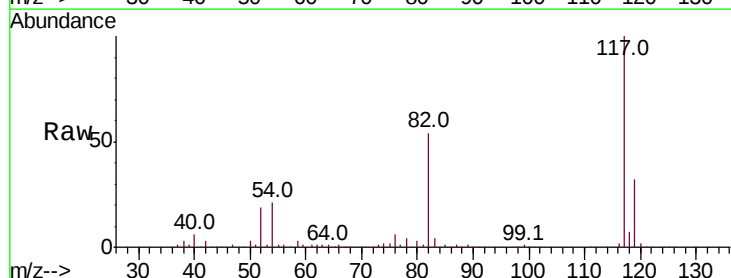
Tgt Ion: 117 Resp: 366396

Ion Ratio Lower Upper

117 100

82 54.1 42.6 63.8

119 32.5 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) (-)

10.11

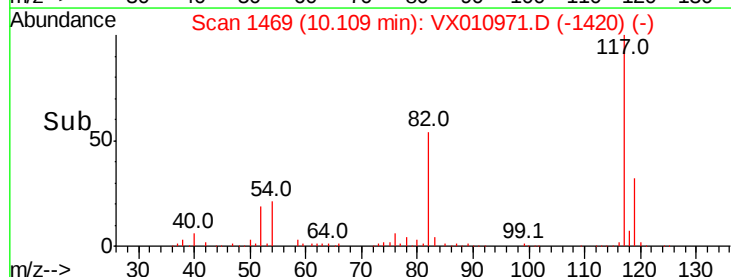
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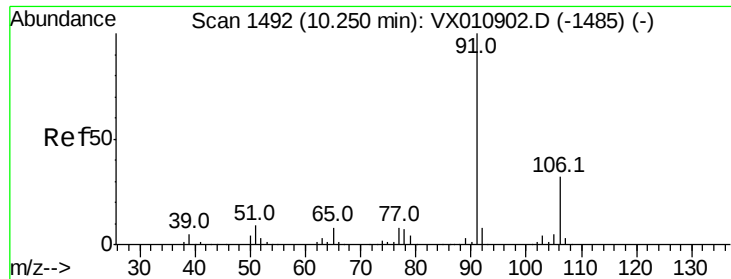
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100000

0

Time-->

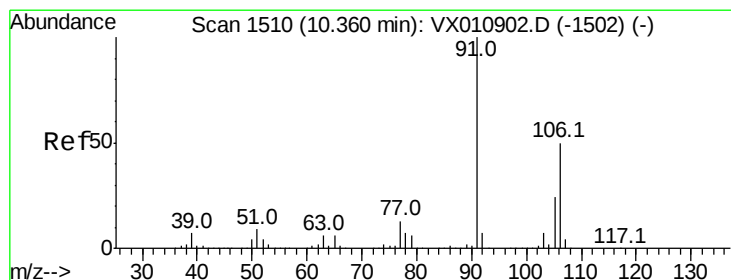
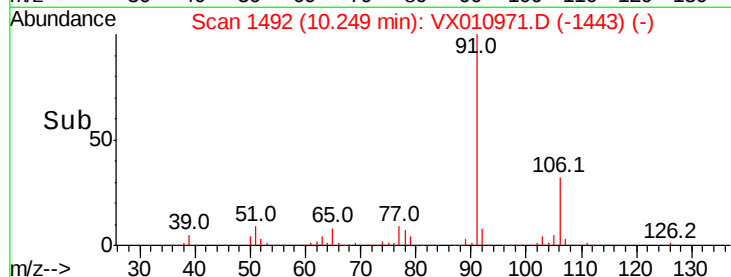
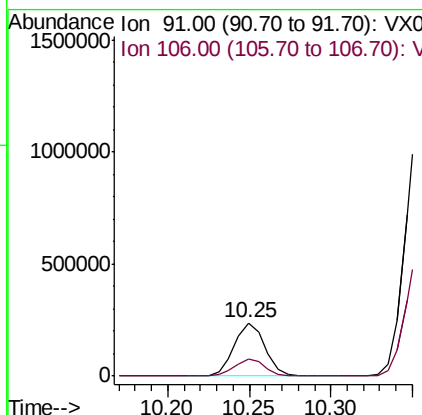
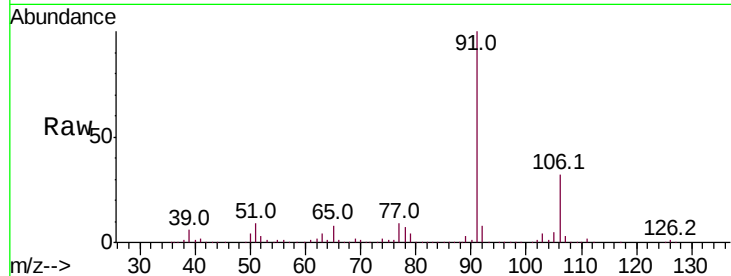




#67
Ethyl Benzene
Concen: 24.289 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

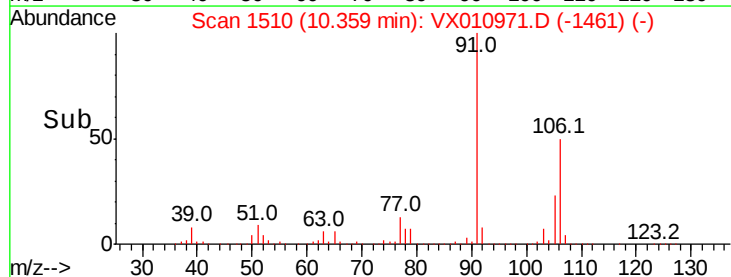
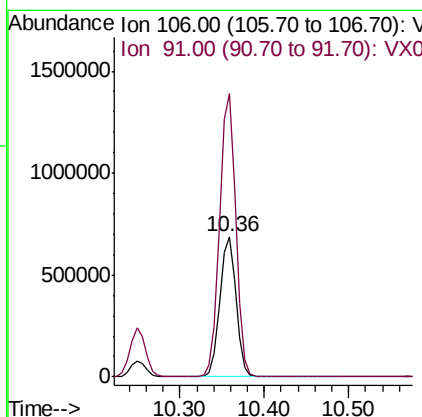
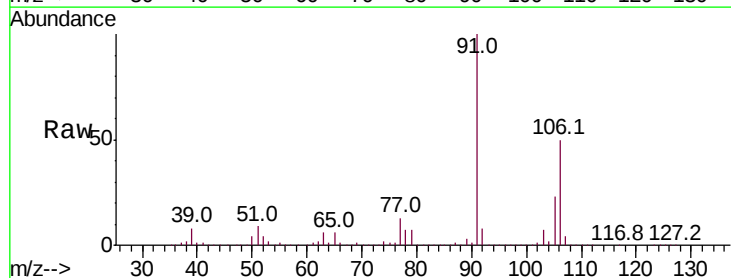
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ClientSampled :
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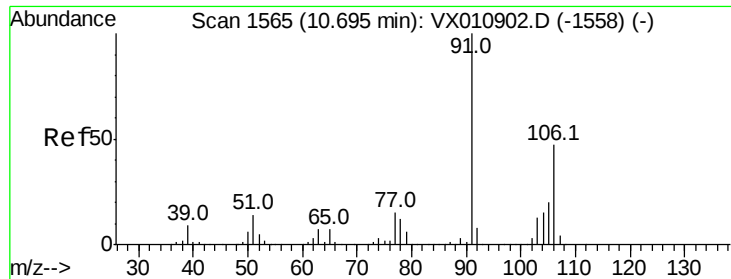
Tot Ion: 91 Resp: 311121
Ion Ratio Lower Upper
91 100
106 32.2 25.4 38.2



#68
m/p-Xylenes
Concen: 187.489 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

Tgt Ion: 106 Resp: 921232
Ion Ratio Lower Upper
106 100
91 202.4 160.1 240.1

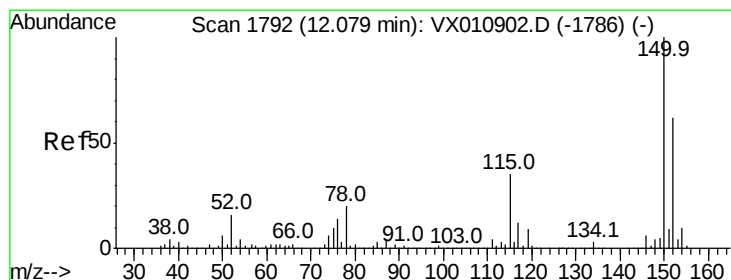
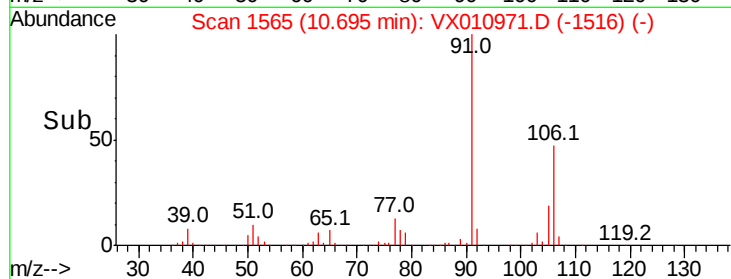
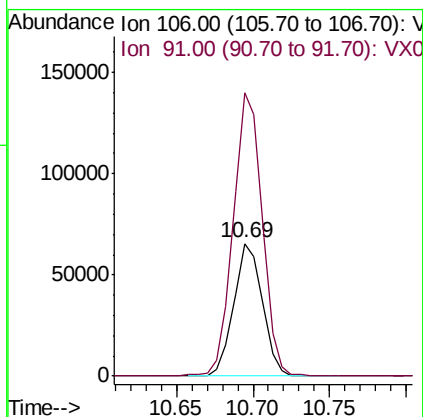
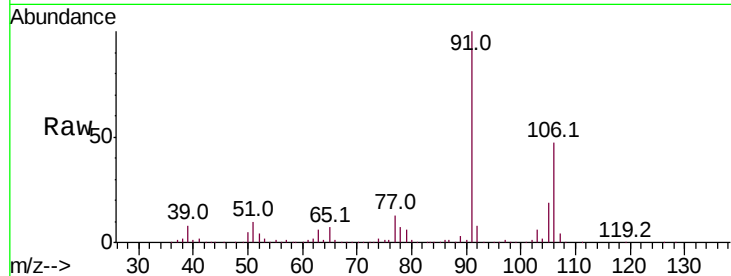




#69
o-Xylene
Concen: 17.642 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

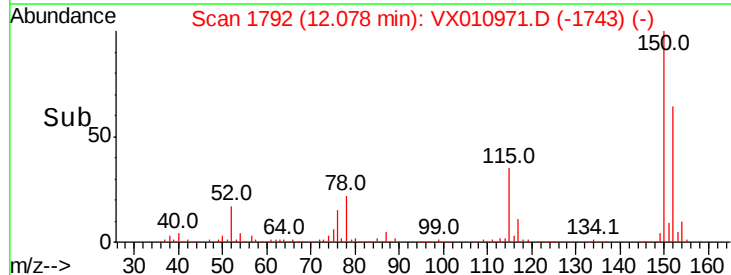
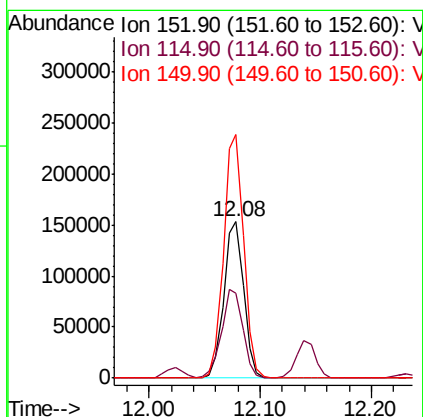
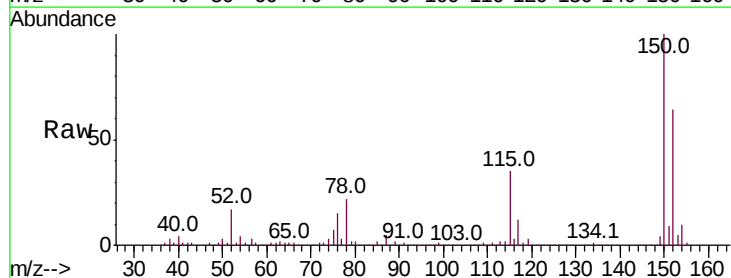
Instrument :
MSVOA_X
ClientSampled :
FL-0631

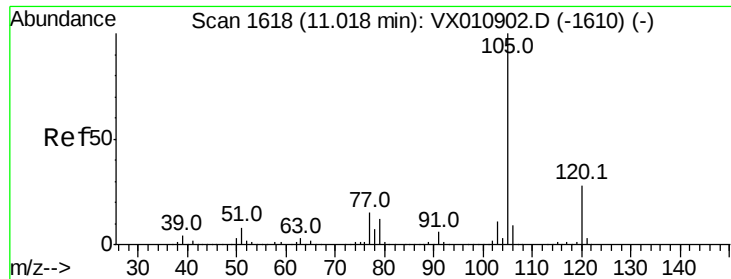
Tot Ion:106 Resp: 84598
Ion Ratio Lower Upper
106 100
91 216.3 105.1 315.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

Tgt Ion:152 Resp: 188263
Ion Ratio Lower Upper
152 100
115 60.4 39.7 119.1
150 157.3 0.0 345.6





#73

Isopropylbenzene

Concen: 27.212 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

Instrument :

MSVOA_X

ClientSampleId :

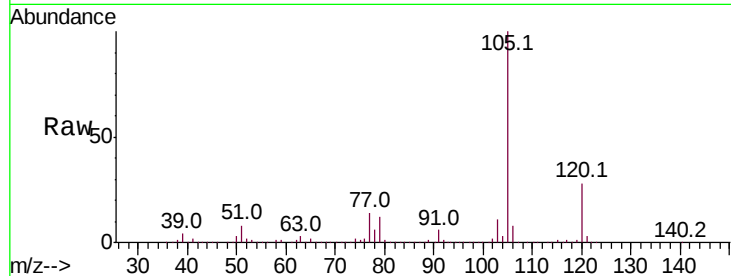
FL-0631

Tot Ion:105 Resp: 346166

Ion Ratio Lower Upper

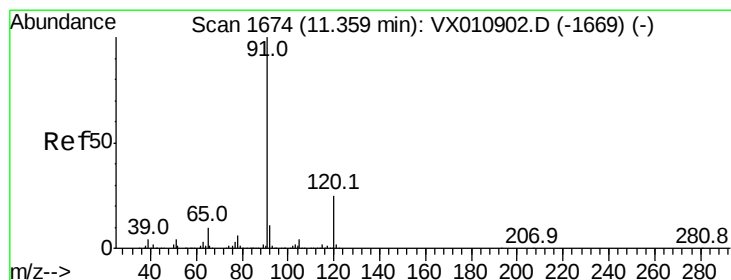
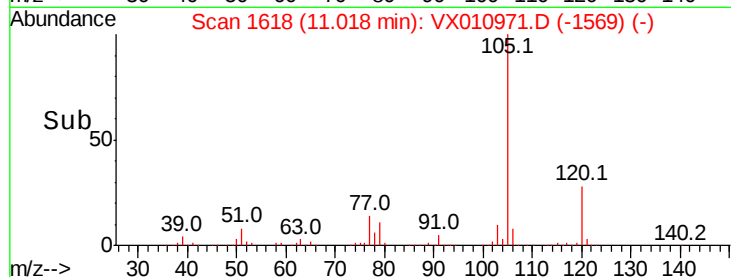
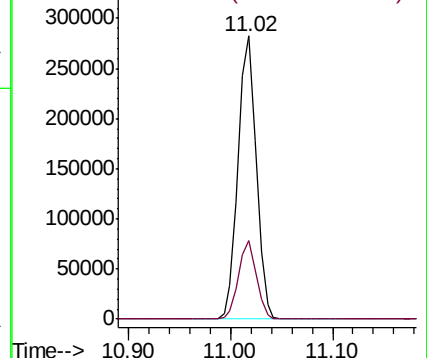
105 100

120 27.1 13.7 41.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 32.777 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010971.D

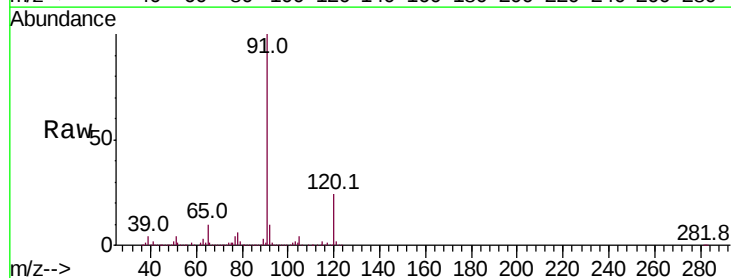
Acq: 18 Jul 2019 20:02

Tgt Ion: 91 Resp: 460697

Ion Ratio Lower Upper

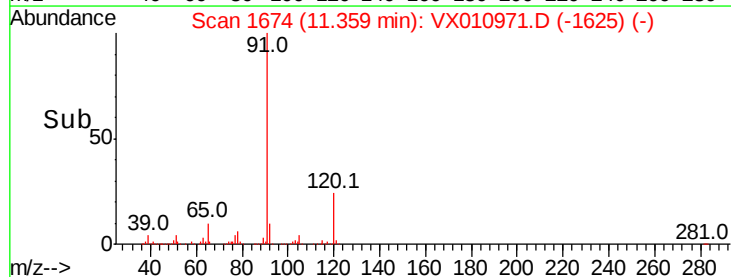
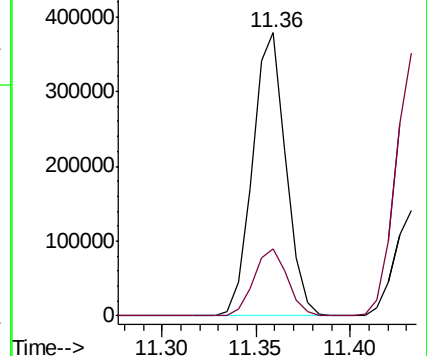
91 100

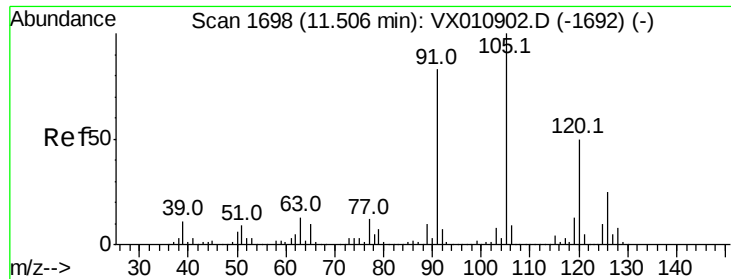
120 24.1 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

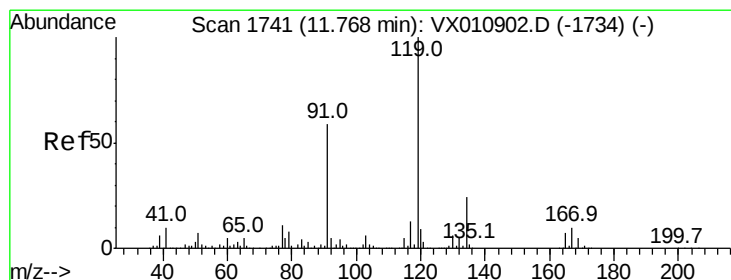
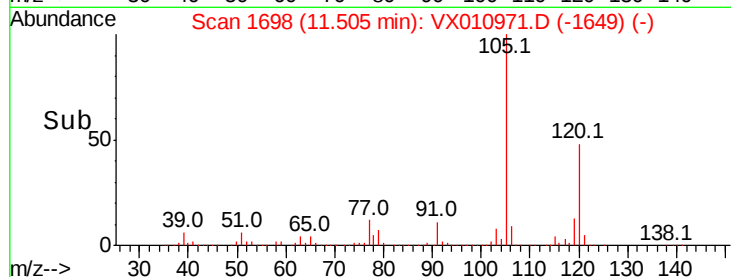
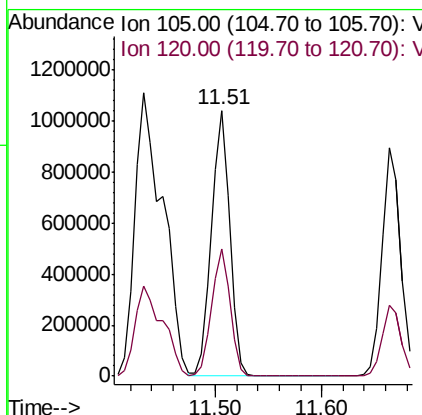
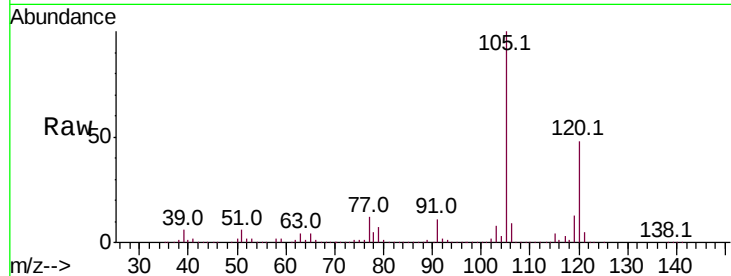




#80
1,3,5-Trimethylbenzene
Concen: 115.142 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

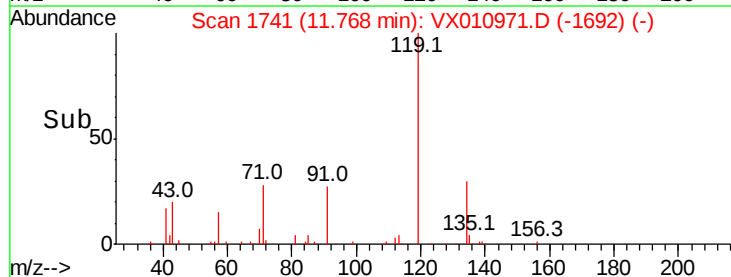
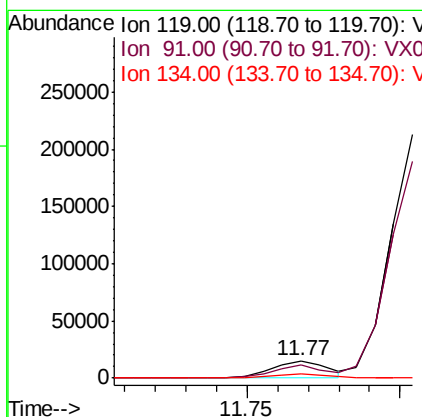
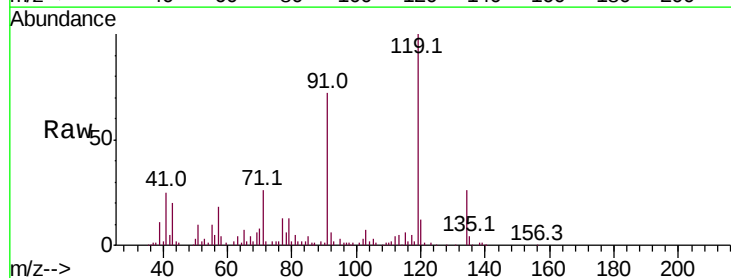
Instrument :
MSVOA_X
ClientSampleId :
FL-0631

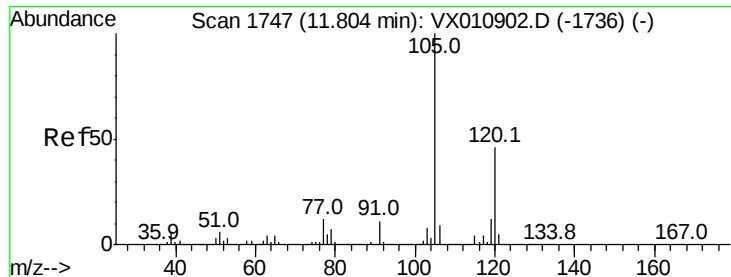
Tot Ion:105 Resp: 1223913
Ion Ratio Lower Upper
105 100
120 48.4 24.6 73.8



#83
tert-Butylbenzene
Concen: 1.792 ug/l
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

Tgt Ion:119 Resp: 18706
Ion Ratio Lower Upper
119 100
91 69.9 28.6 85.8
134 25.9 11.6 34.8





#84

1,2,4-Trimethylbenzene

Concen: 197.794 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX010971.D

Acq: 18 Jul 2019 20:02

Instrument :

MSVOA_X

ClientSampleId :

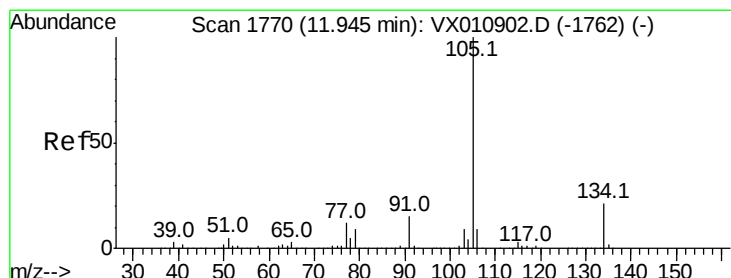
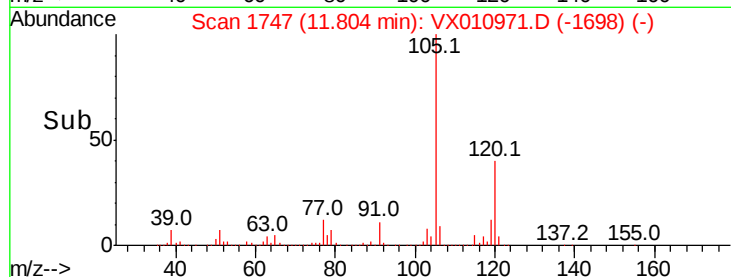
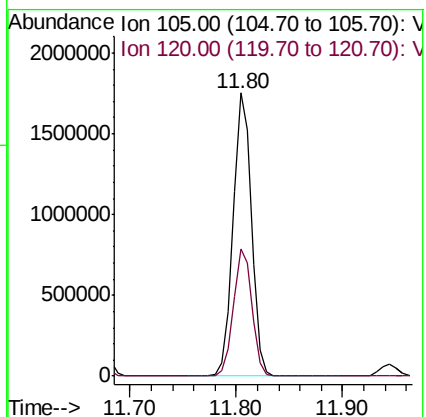
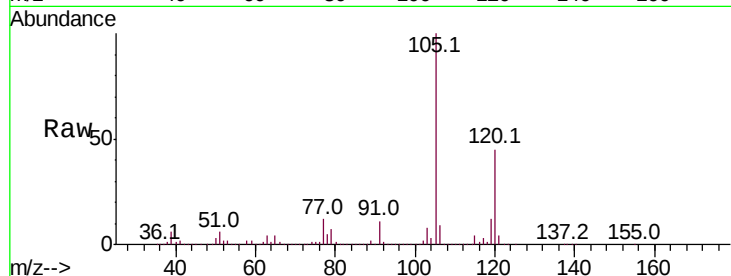
FL-0631

Tot Ion:105 Resp: 2119079

Ion Ratio Lower Upper

105 100

120 45.4 22.9 68.5



#85

sec-Butylbenzene

Concen: 7.489 ug/l

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010971.D

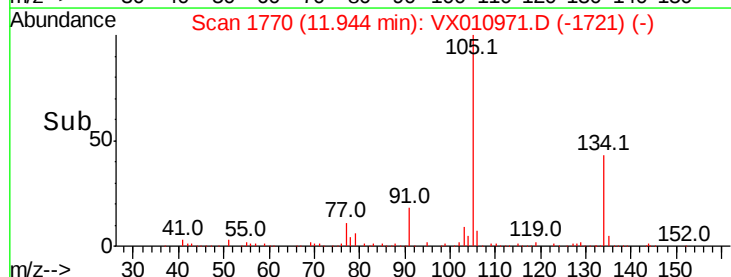
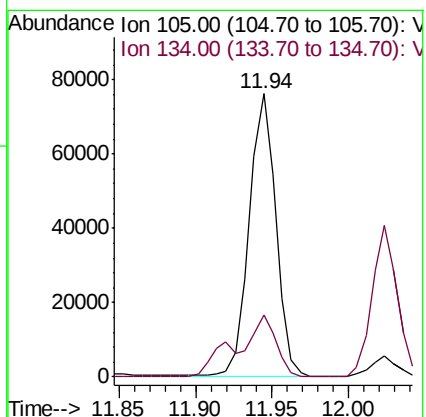
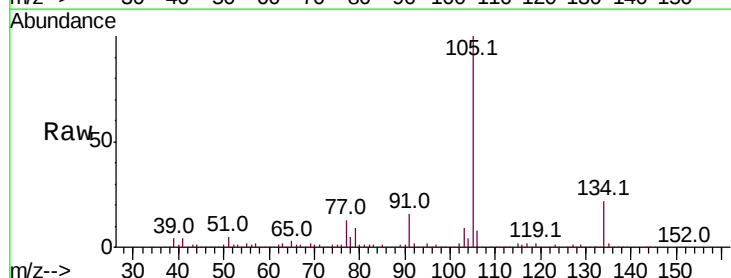
Acq: 18 Jul 2019 20:02

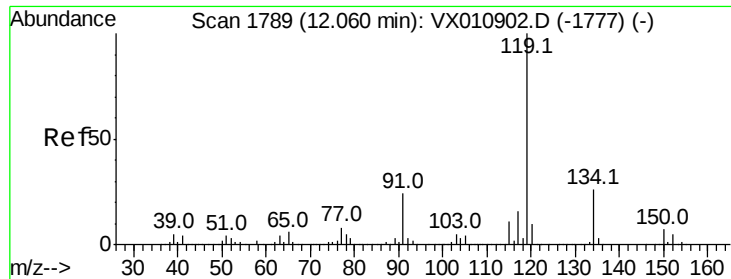
Tgt Ion:105 Resp: 91618

Ion Ratio Lower Upper

105 100

134 21.5 10.4 31.4

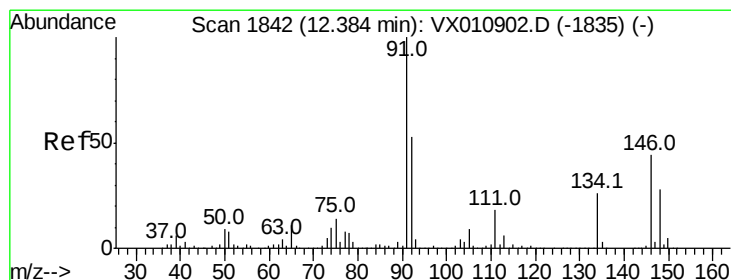
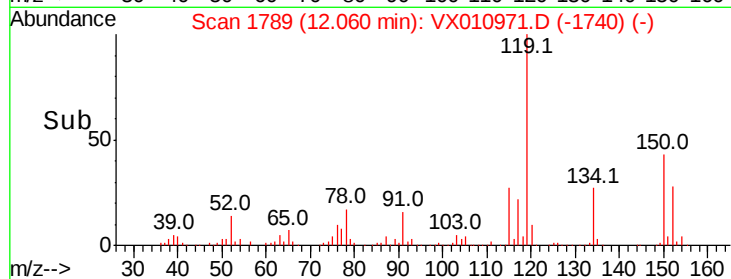
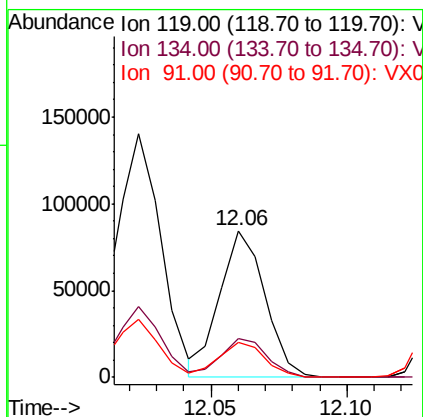
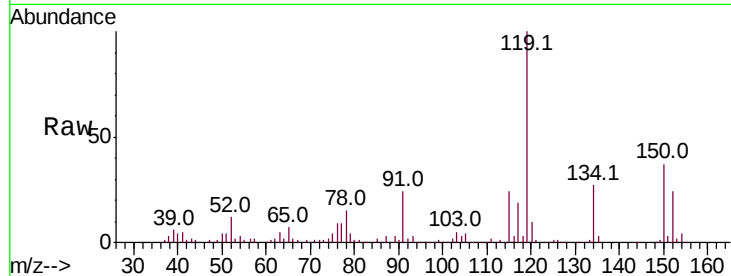




#86
p-Isopropyltoluene
Concen: 8.584 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

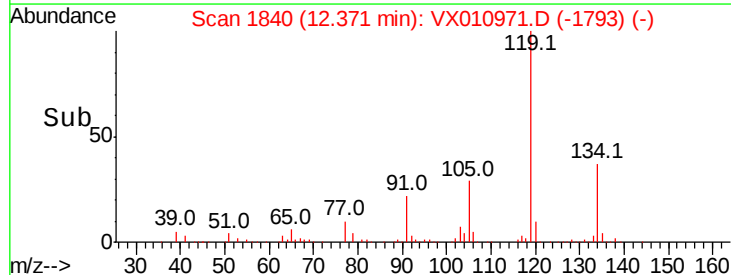
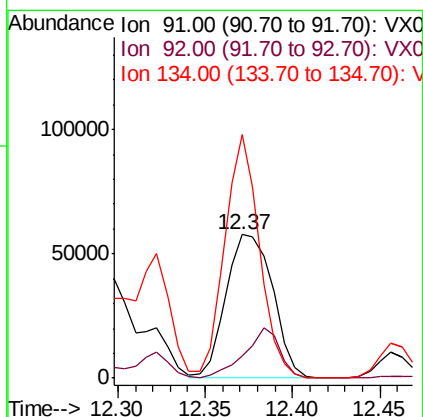
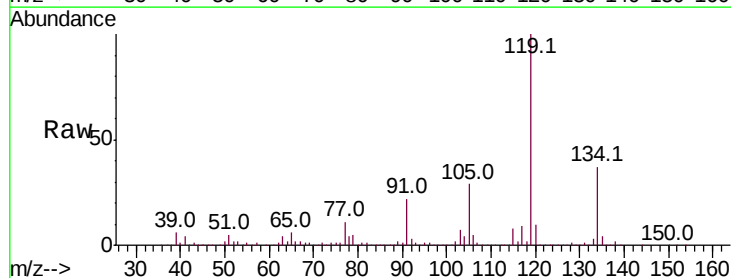
Instrument :
MSVOA_X
ClientSampled :
FL-0631

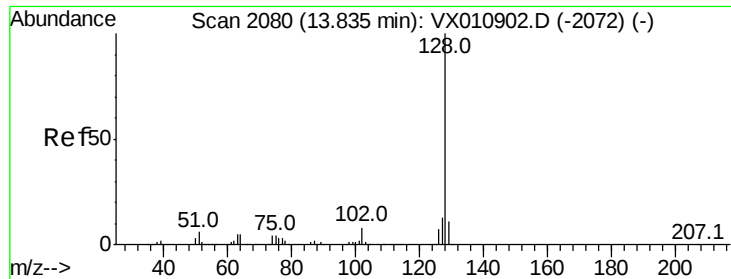
Tot Ion:119 Resp: 97089
Ion Ratio Lower Upper
119 100
134 27.5 13.4 40.1
91 24.8 11.8 35.4



#89
n-Butylbenzene
Concen: 11.094 ug/l
RT: 12.37 min Scan# 1840
Delta R.T. -0.01 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

Tgt Ion: 91 Resp: 107349
Ion Ratio Lower Upper
91 100
92 26.4 26.2 78.5
134 125.8 13.8 41.3#





#95
Naphthalene
Concen: 29.732 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010971.D
Acq: 18 Jul 2019 20:02

Instrument :
MSVOA_X
ClientSampleId :
FL-0631

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	12.3	8.9	13.3

