

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062819\
 Data File : VX010538.D
 Acq On : 28 Jun 2019 16:35
 Operator : JC/SP
 Sample : K3565-02DL 5X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0569DL

Manual Integrations
 APPROVED

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 7/1/2019 11:35:53 AM

Quant Time: Jun 29 05:44:18 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	243764	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	374287	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	342318	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	169928	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	117008	51.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.40%	
35) Dibromofluoromethane	5.49	113	111888	48.86	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.72%	
50) Toluene-d8	8.71	98	444548	50.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.48%	
62) 4-Bromofluorobenzene	11.13	95	153212	48.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.88%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.57	56	38294	11.600	ug/l	95
39) Methylcyclohexane	7.46	83	15764	4.032	ug/l	93
40) Benzene	6.14	78	81110	8.753	ug/l	99
52) Toluene	8.79	92	2316	0.380	ug/l	95
67) Ethyl Benzene	10.25	91	346300	29.516	ug/l	100
68) m/p-Xylenes	10.36	106	141061	31.029	ug/l	100
69) o-Xylene	10.70	106	1478	0.331	ug/l	95
73) Isopropylbenzene	11.02	105	38660	3.356	ug/l	98
78) n-propylbenzene	11.36	91	50166	3.963	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	5031	0.530	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	145772	15.279	ug/l	98
85) sec-Butylbenzene	11.94	105	4793	0.428	ug/l #	77
86) p-Isopropyltoluene	12.07	119	3142m	0.304	ug/l	
95) Naphthalene	13.83	128	64882	5.456	ug/l	99

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

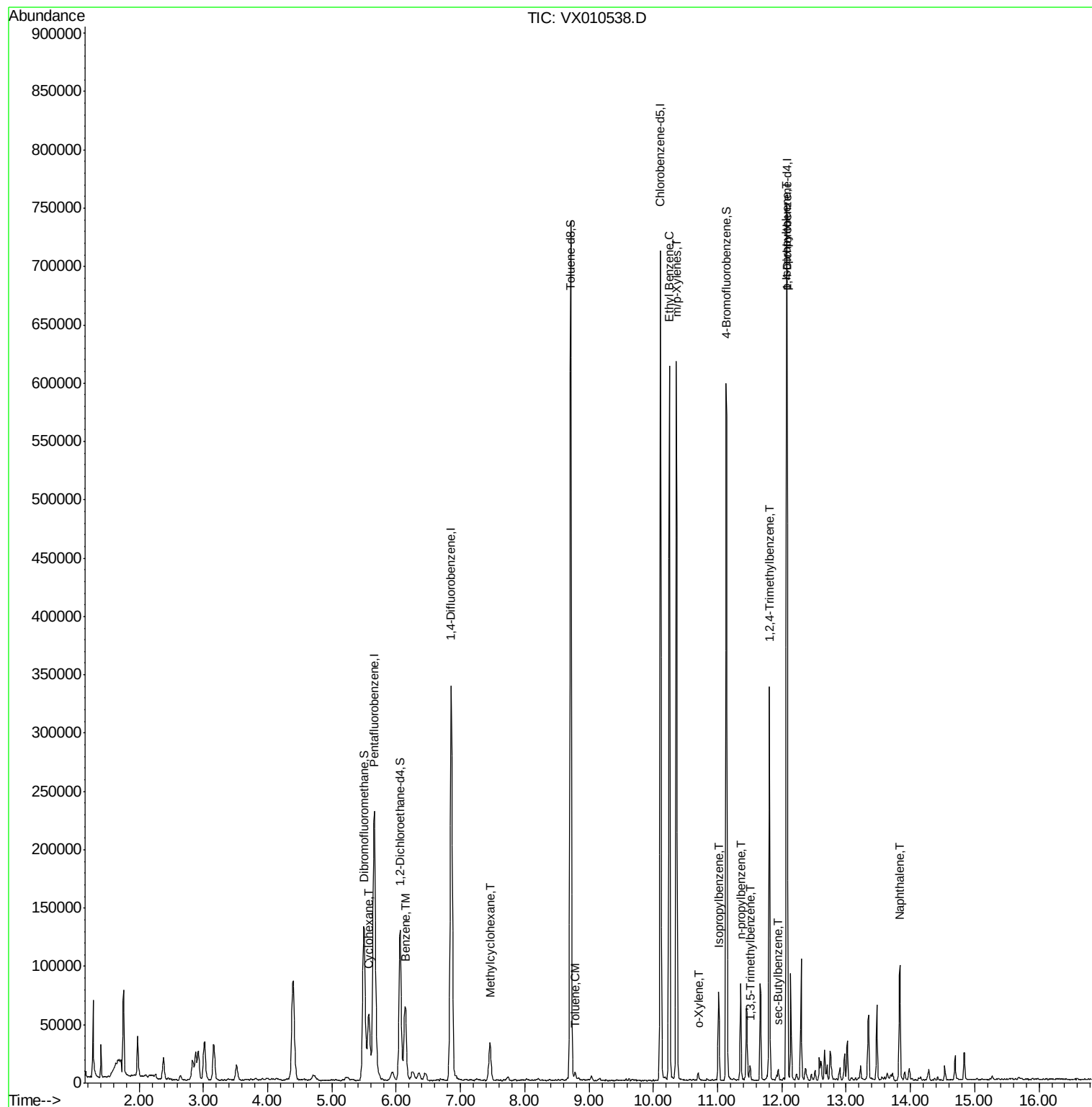
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062819\
Data File : VX010538.D
Acq On : 28 Jun 2019 16:35
Operator : JC/SP
Sample : K3565-02DL 5X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

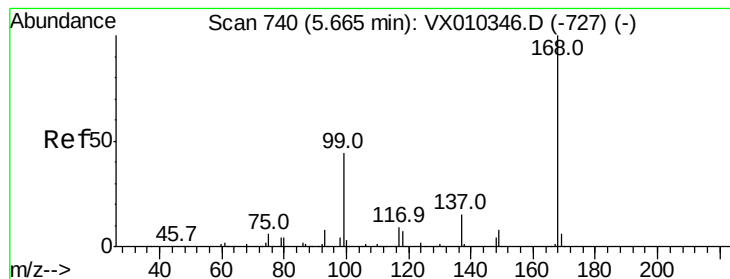
Instrument :
MSVOA_X
ClientSampleId :
FL-0569DL

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7/1/2019 11:35:53 AM

Quant Time: Jun 29 05:44:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061919W.M
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: VX010538.D

Acq: 28 Jun 2019 16:35

Instrument :

MSVOA_X

ClientSampleId :

FL-0569DL

Tot Ion:168 Resp: 243764

Ion Ratio Lower Upper

168 100

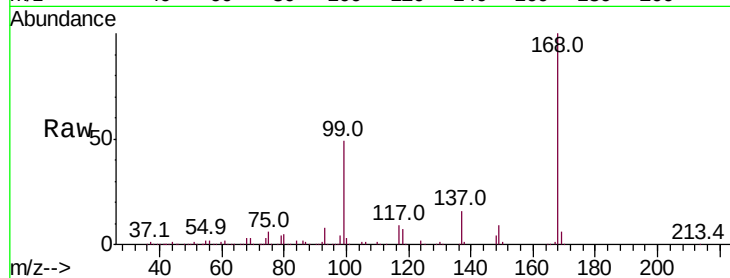
99 49.0 35.5 53.3

Manual Integrations

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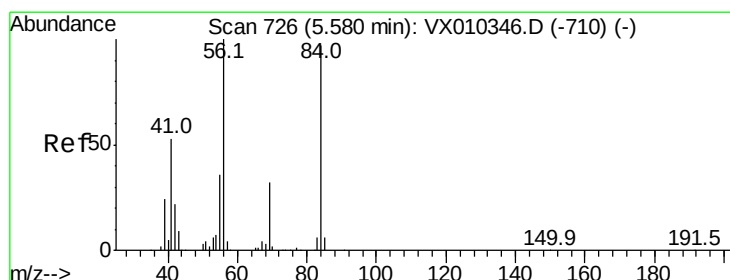
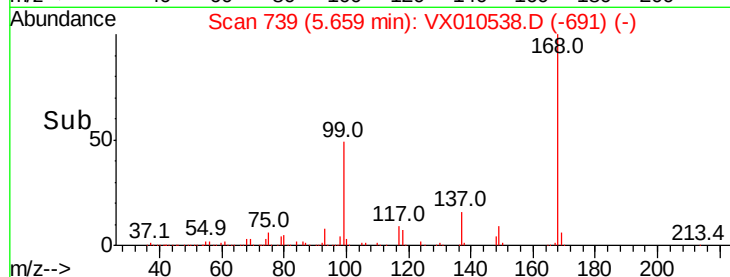
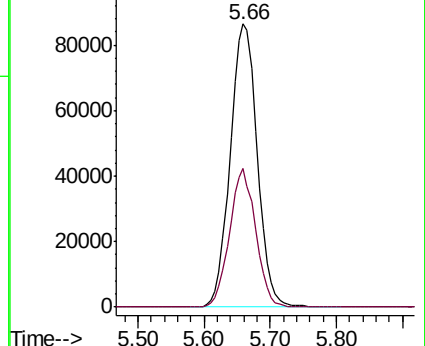
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#31

Cyclohexane

Concen: 11.600 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX010538.D

Acq: 28 Jun 2019 16:35

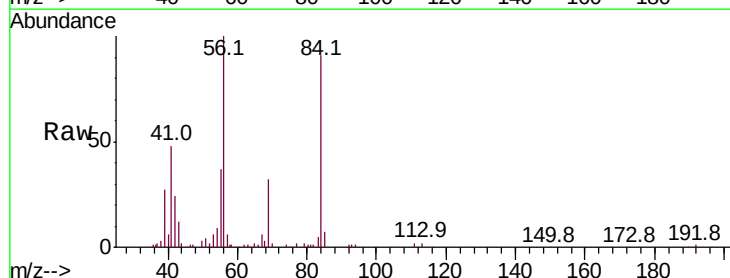
Tgt Ion: 56 Resp: 38294

Ion Ratio Lower Upper

56 100

69 31.4 25.9 38.9

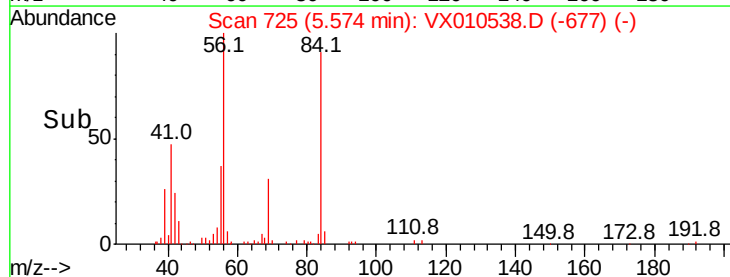
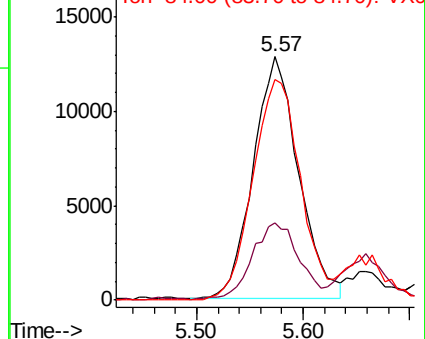
84 91.2 78.0 117.0

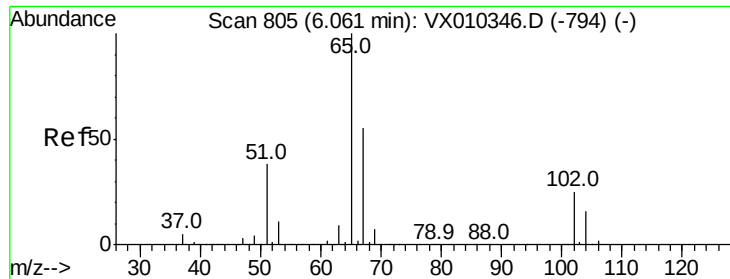


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





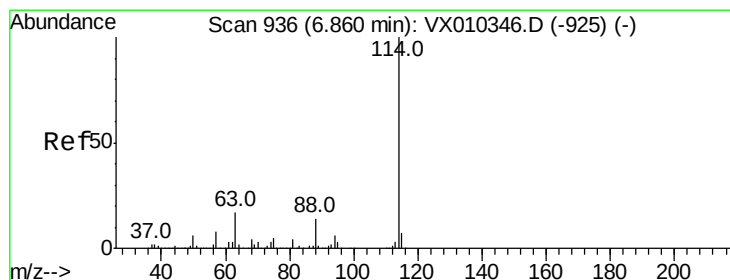
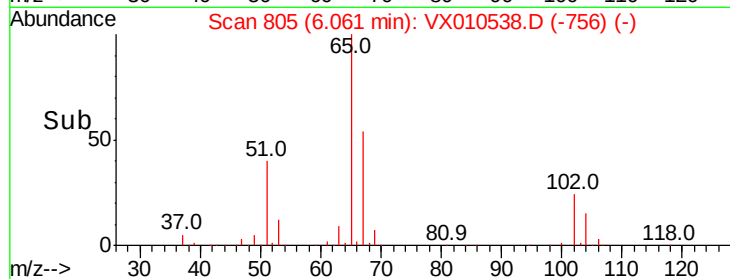
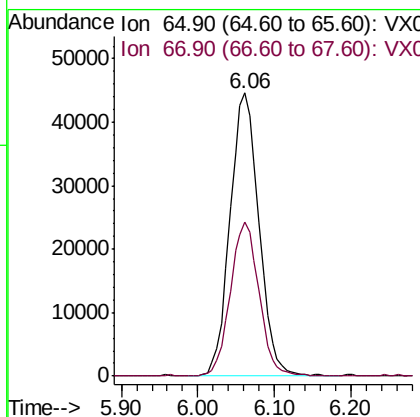
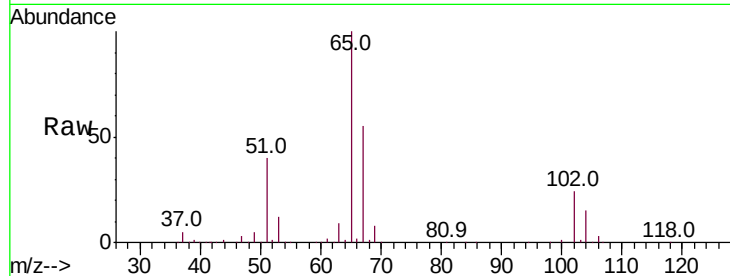
#33
 1,2-Dichloroethane-d4
 Concen: 51.195 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: VX010538.D
 Acq: 28 Jun 2019 16:35

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0569DL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	117008		
67	54.1	0.0	110.2	

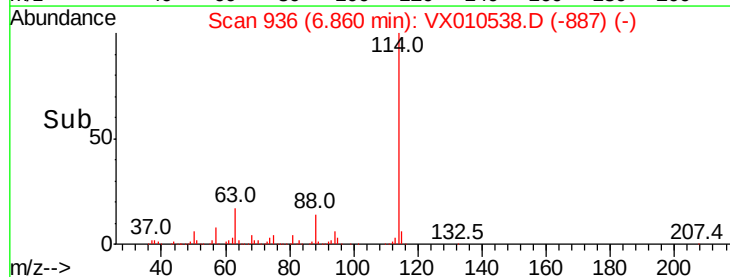
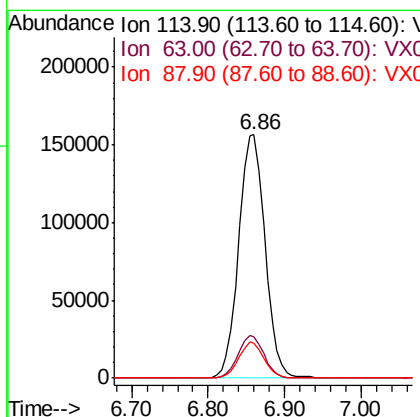
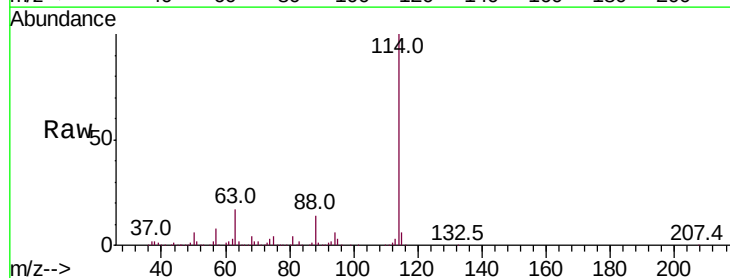
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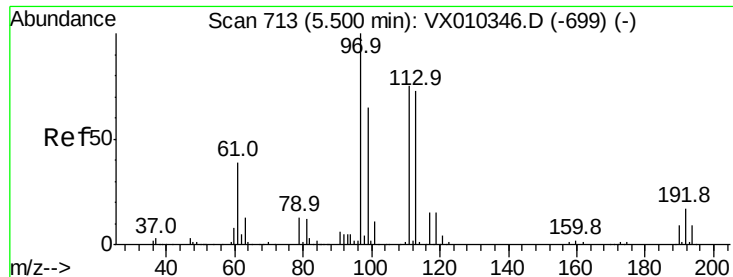
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. 0.00 min
 Lab File: VX010538.D
 Acq: 28 Jun 2019 16:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	374287		
63	16.8	0.0	33.8	
88	14.5	0.0	27.6	





#35

Dibromofluoromethane

Concen: 48.859 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.01 min

Lab File: VX010538.D

Acq: 28 Jun 2019 16:35

Instrument :

MSVOA_X

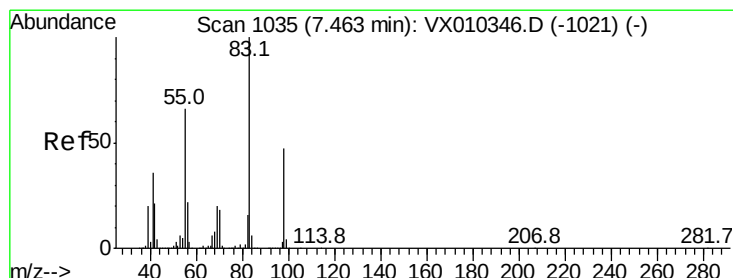
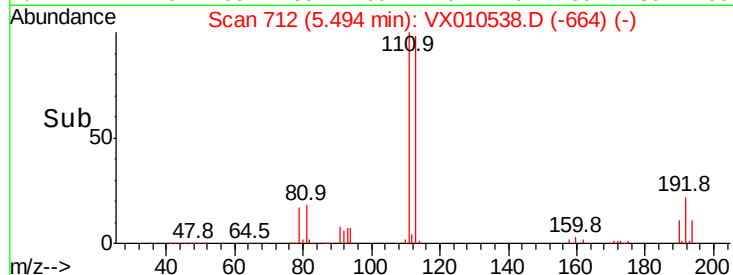
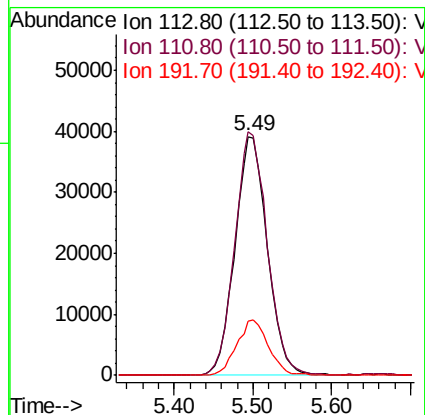
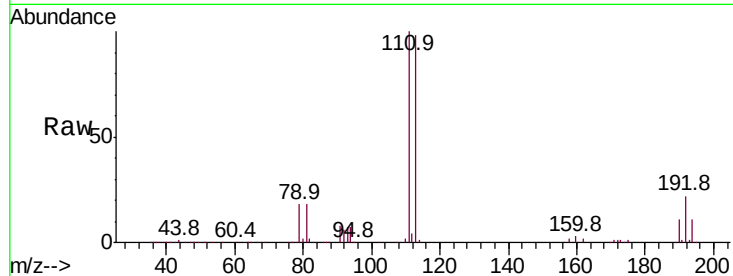
ClientSampled :

FL-0569DL

Tot Ion:	113	Resp:	111888
Ion Ratio	Lower	Upper	
113	100		
111	102.3	81.2	121.8
192	22.6	18.6	27.8

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#39

Methylcyclohexane

Concen: 4.032 ug/l

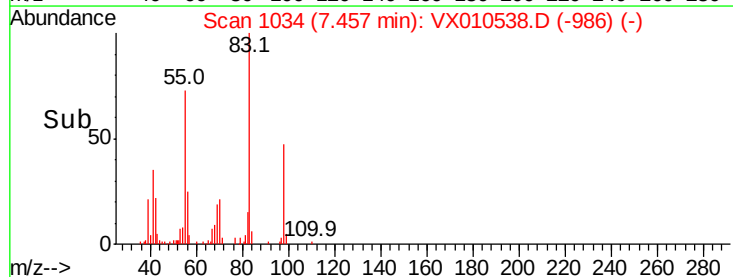
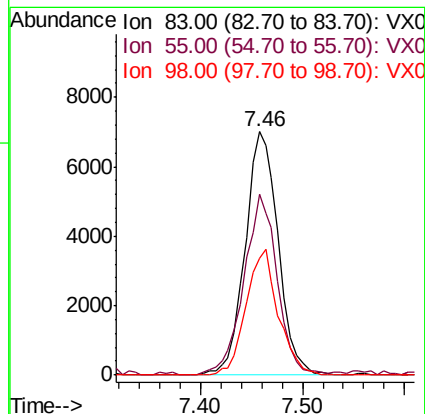
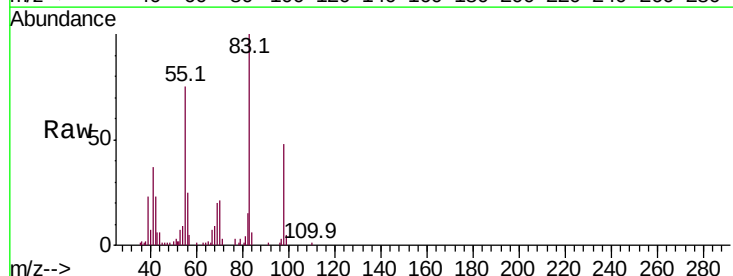
RT: 7.46 min Scan# 1034

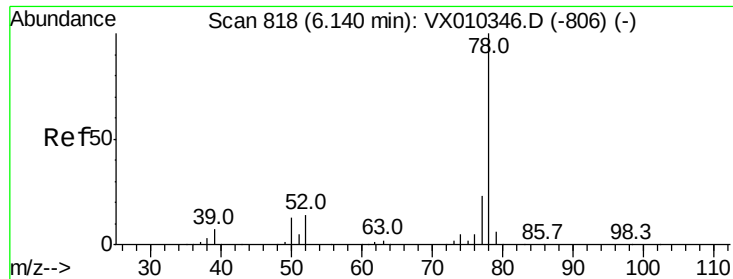
Delta R.T. -0.01 min

Lab File: VX010538.D

Acq: 28 Jun 2019 16:35

Tgt Ion:	83	Resp:	15764
Ion Ratio	Lower	Upper	
83	100		
55	74.5	53.0	79.6
98	48.1	37.8	56.8





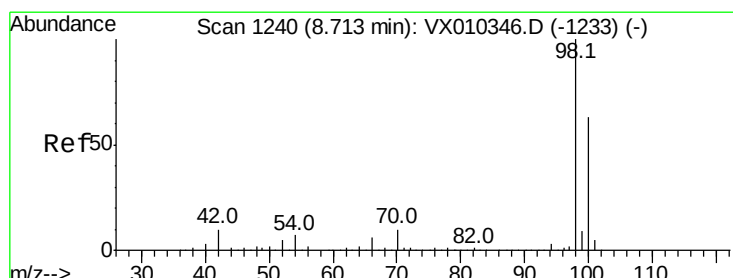
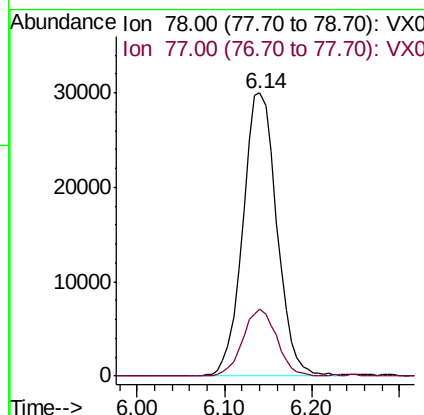
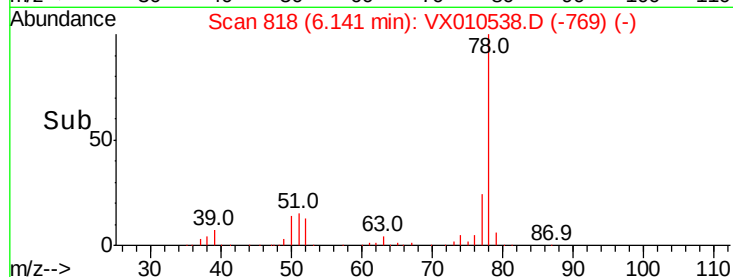
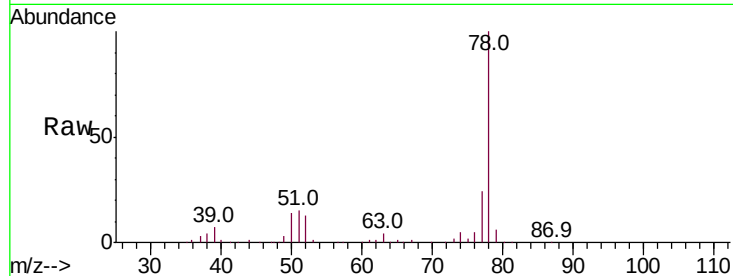
#40
Benzene
Concen: 8.753 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX010538.D
Acq: 28 Jun 2019 16:35

Instrument :
MSVOA_X
ClientSampled :
FL-0569DL

Tot Ion: 78 Resp: 81110
Ion Ratio Lower Upper
78 100
77 23.8 18.6 28.0

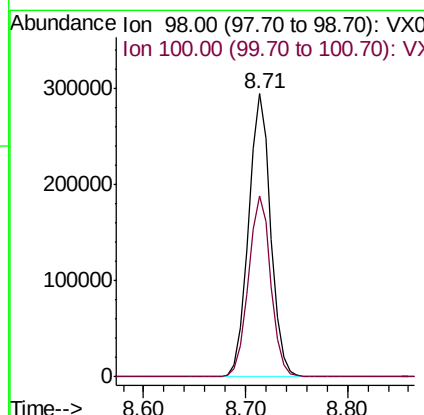
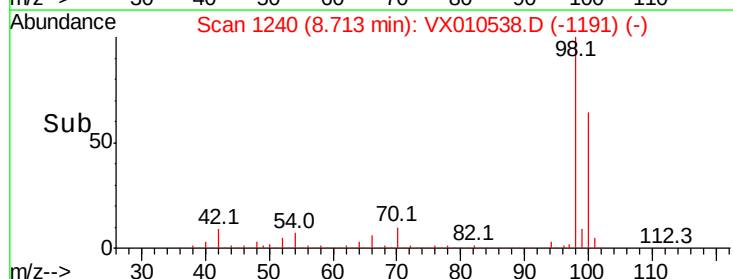
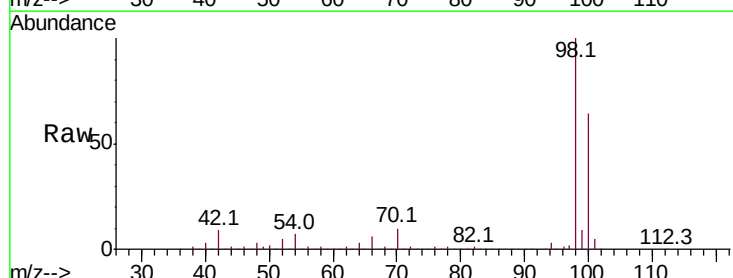
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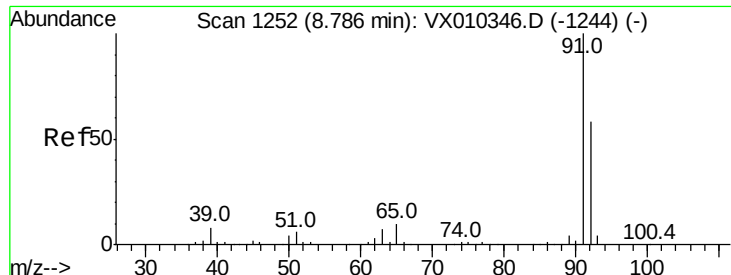
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#50
Toluene-d8
Concen: 50.741 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX010538.D
Acq: 28 Jun 2019 16:35

Tgt Ion: 98 Resp: 444548
Ion Ratio Lower Upper
98 100
100 64.6 51.6 77.4





#52

Toluene

Concen: 0.380 ug/l

RT: 8.79 min Scan# 1253

Delta R.T. 0.01 min

Lab File: VX010538.D

Acq: 28 Jun 2019 16:35

Instrument :

MSVOA_X

ClientSampled :

FL-0569DL

Tot Ion: 92 Resp: 2316

Ion Ratio Lower Upper

92 100

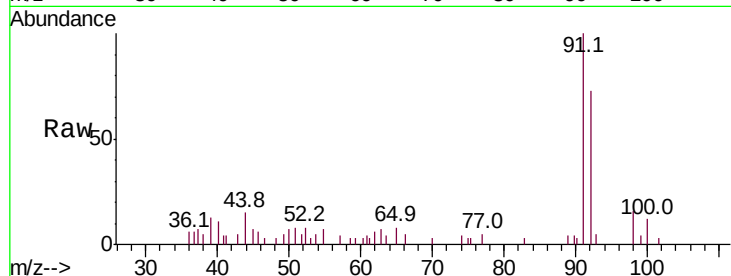
91 168.0 139.8 209.6

Manual Integrations

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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

2500

2000

1500

1000

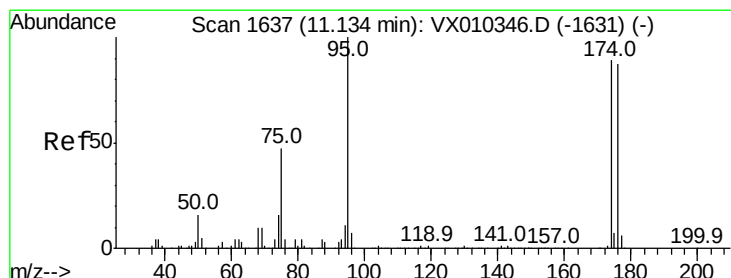
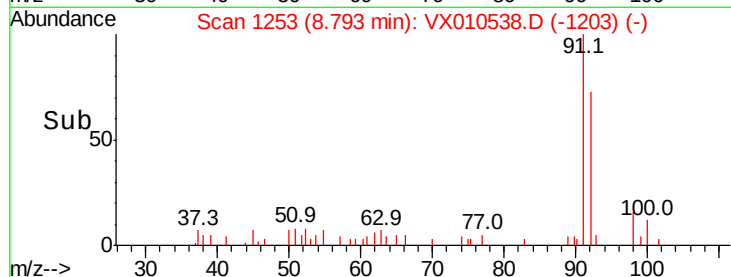
500

0

8.75 8.80 8.85

8.79

Time-->



#62

4-Bromofluorobenzene

Concen: 48.438 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX010538.D

Acq: 28 Jun 2019 16:35

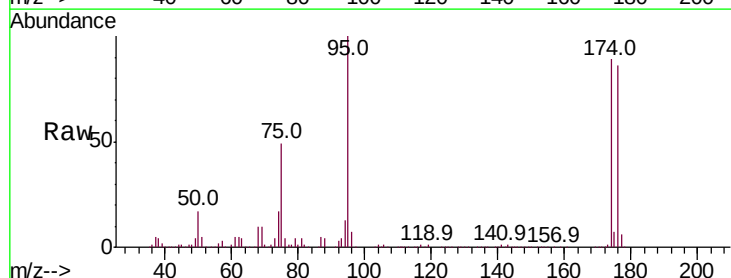
Tgt Ion: 95 Resp: 153212

Ion Ratio Lower Upper

95 100

174 94.3 0.0 187.6

176 92.3 0.0 184.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

150000

100000

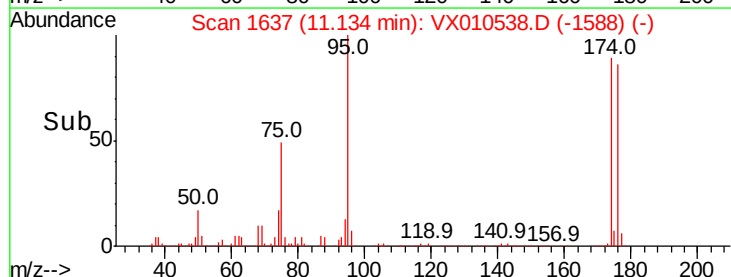
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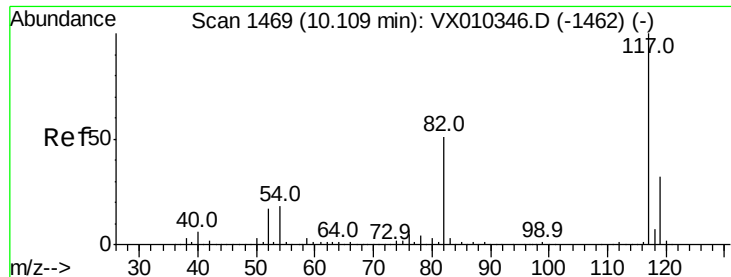
0

11.10 11.20

11.13

Time-->





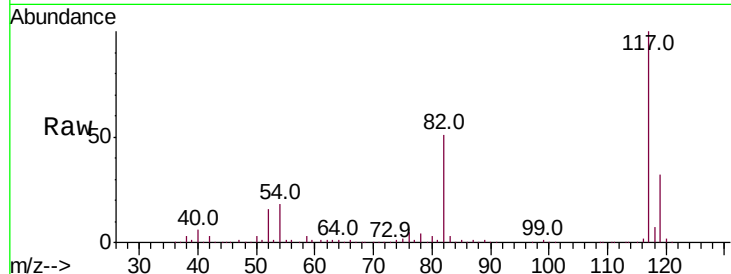
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX010538.D
Acq: 28 Jun 2019 16:35

Instrument :
MSVOA_X
ClientSampled :
FL-0569DL

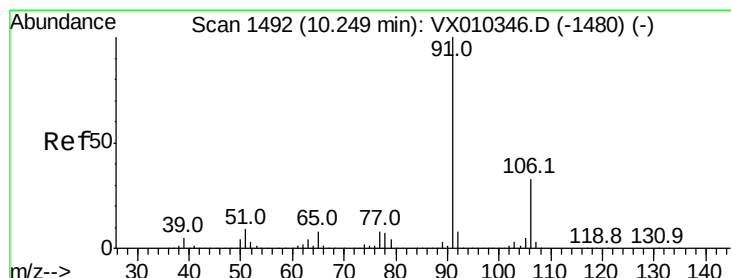
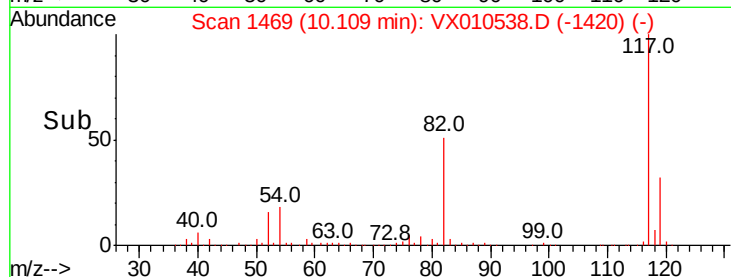
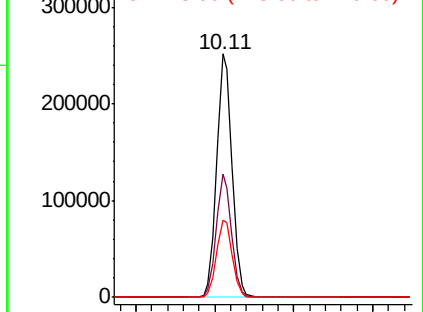
Tot Ion	Ratio	Lower	Upper
117	100		
82	50.7	41.2	61.8
119	31.9	25.5	38.3

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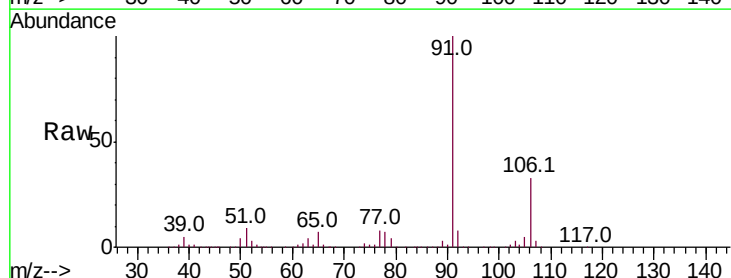


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

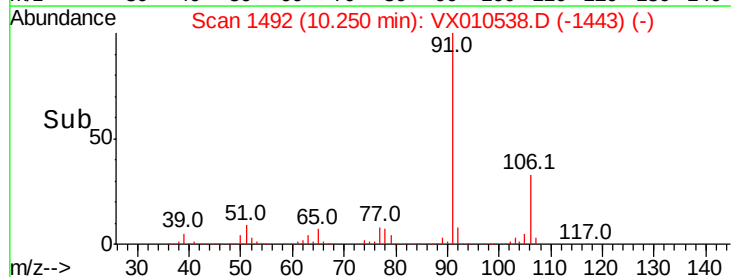
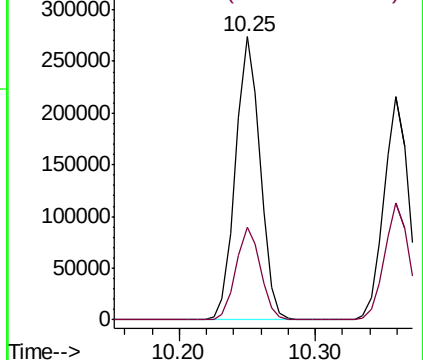


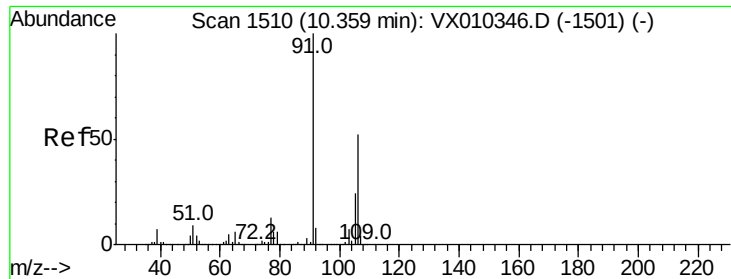
#67
Ethyl Benzene
Concen: 29.516 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX010538.D
Acq: 28 Jun 2019 16:35

Tgt Ion	Ratio	Lower	Upper
91	100		
106	33.0	26.2	39.2



Abundance Ion 91.00 (90.70 to 91.70): VX0
Ion 106.00 (105.70 to 106.70): V





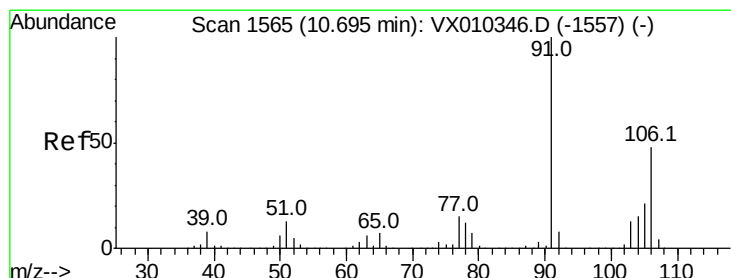
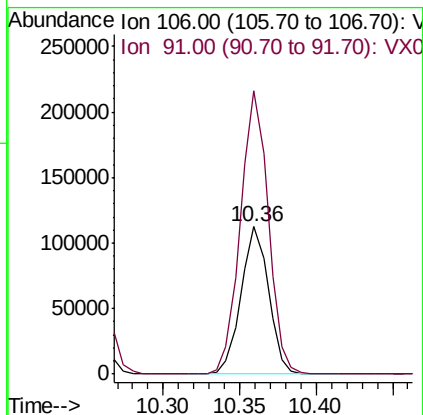
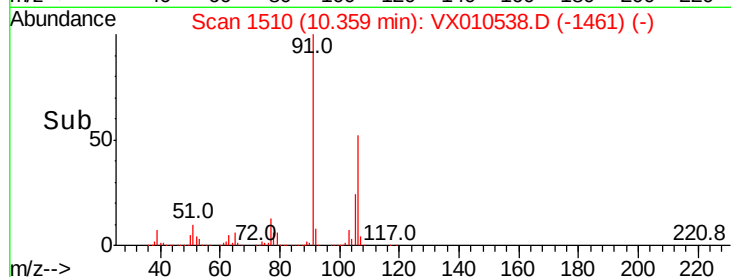
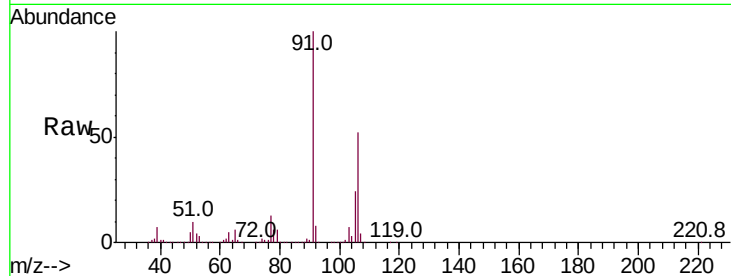
#68
m/p-Xylenes
Concen: 31.029 ug/l
RT: 10.36 min Scan# 1510
Delta R.T. 0.00 min
Lab File: VX010538.D
Acq: 28 Jun 2019 16:35

Instrument :
MSVOA_X
ClientSampleId :
FL-0569DL

Tot Ion	Ratio	Lower	Upper
106	100		
91	193.5	155.3	232.9

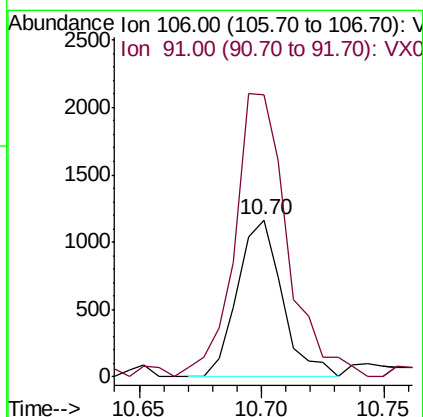
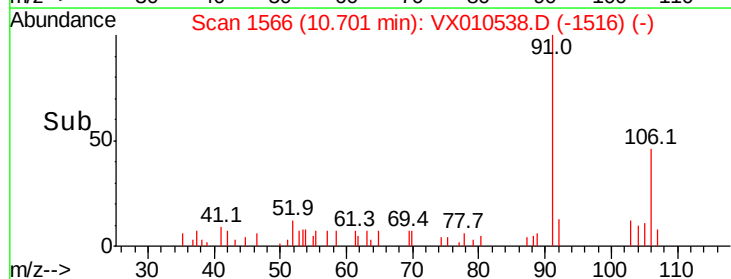
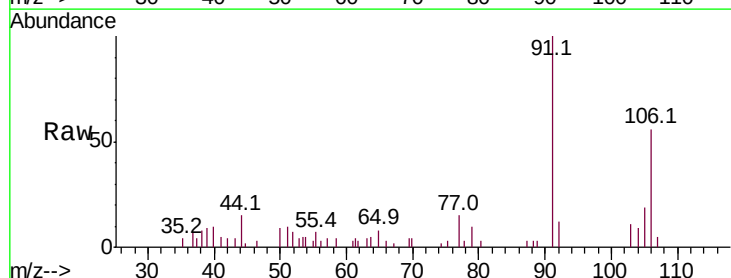
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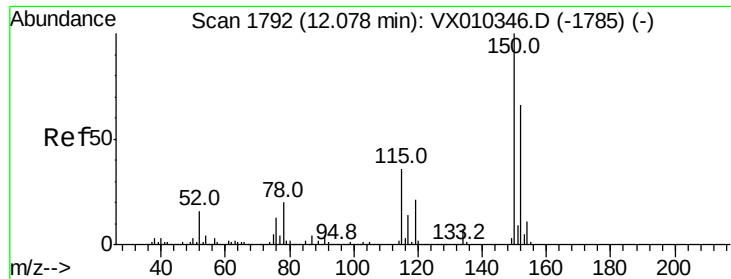
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#69
o-Xylene
Concen: 0.331 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010538.D
Acq: 28 Jun 2019 16:35

Tgt Ion	Ratio	Lower	Upper
106	100		
91	213.7	102.7	308.1





#72

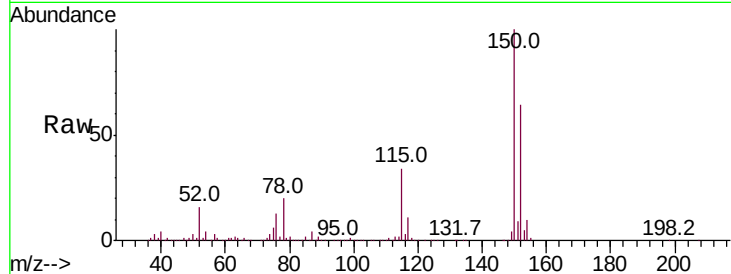
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX010538.D
Acq: 28 Jun 2019 16:35

Instrument :
MSVOA_X
ClientSampled :
FL-0569DL

Tot Ion	Ratio	Lower	Upper
152	100		
115	54.4	38.6	115.7
150	157.0	0.0	347.4

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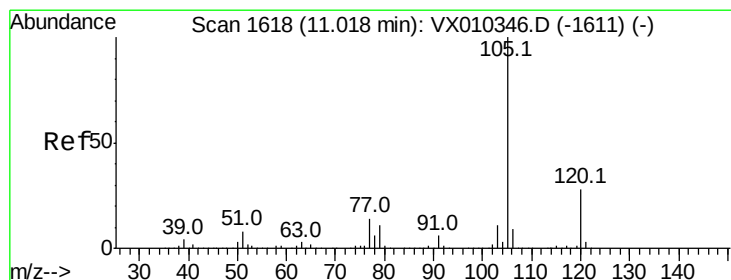
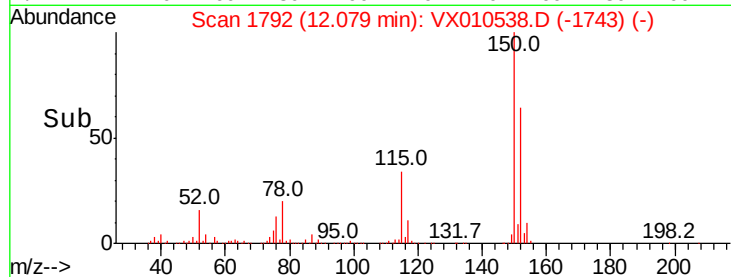
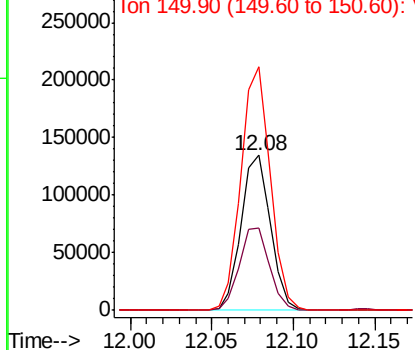


Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

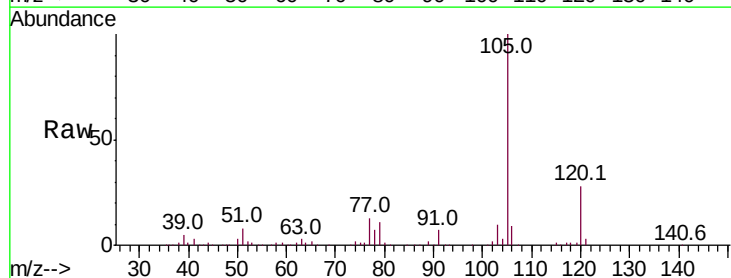
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene
Concen: 3.356 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX010538.D
Acq: 28 Jun 2019 16:35

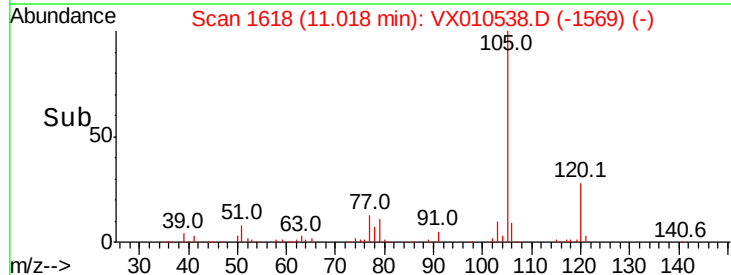
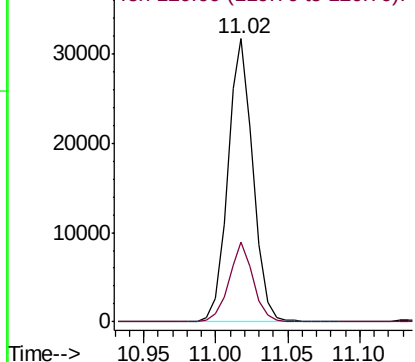
Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	14.1	42.4

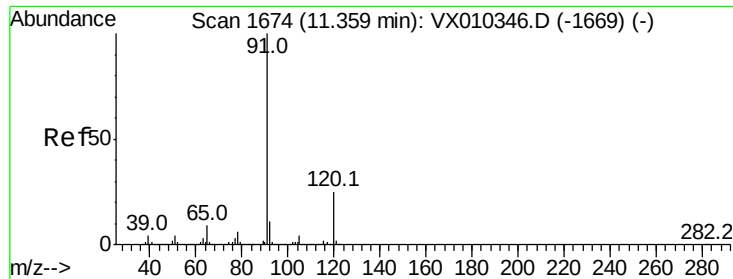


Abundance

Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 3.963 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX010538.D

Acq: 28 Jun 2019 16:35

Instrument :

MSVOA_X

ClientSampleId :

FL-0569DL

Tot Ion: 91 Resp: 50166

Ion Ratio Lower Upper

91 100

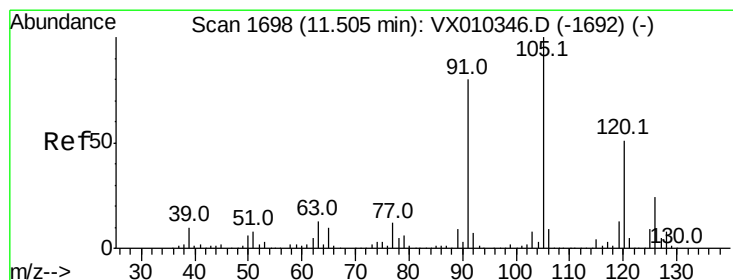
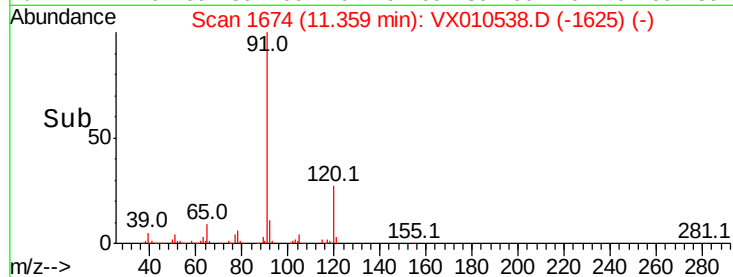
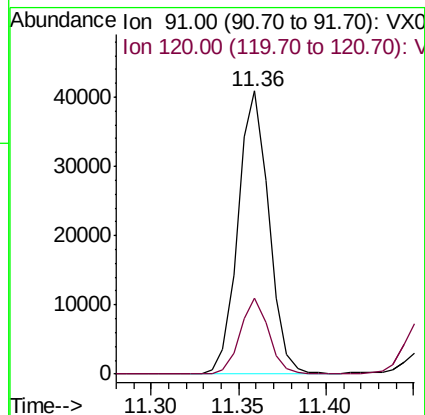
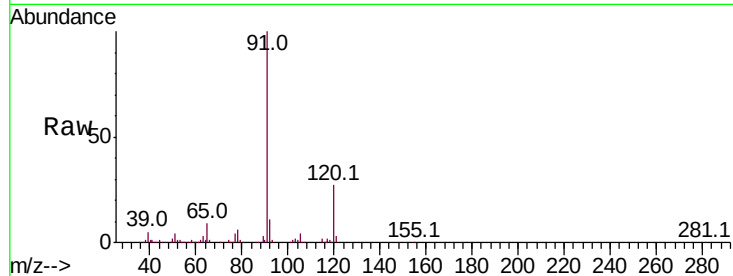
120 25.0 12.4 37.4

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#80

1,3,5-Trimethylbenzene

Concen: 0.530 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX010538.D

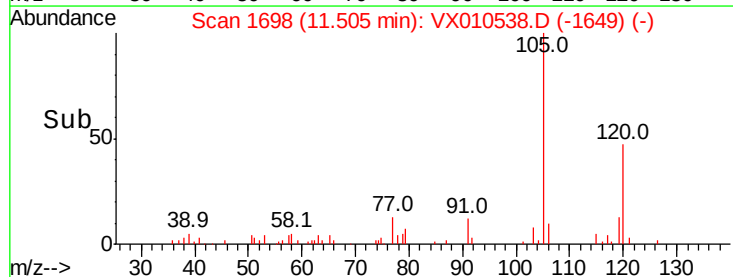
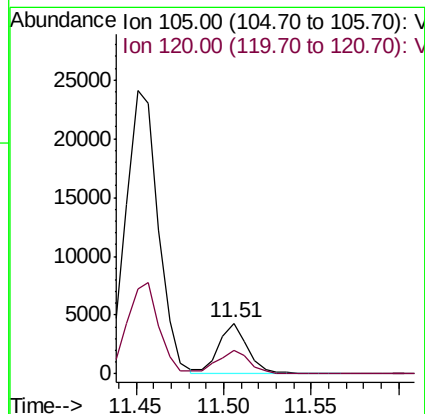
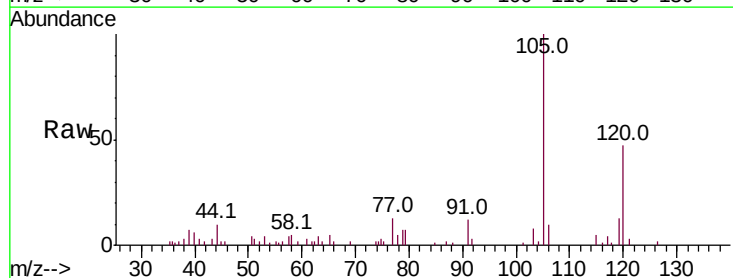
Acq: 28 Jun 2019 16:35

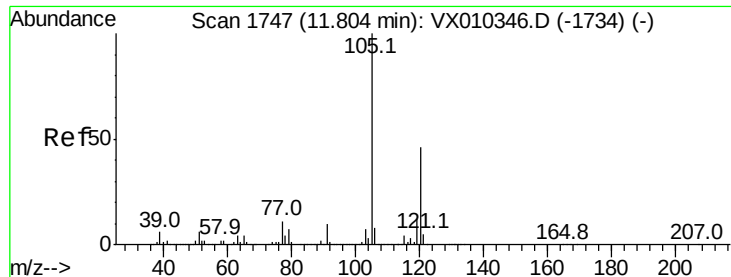
Tgt Ion: 105 Resp: 5031

Ion Ratio Lower Upper

105 100

120 50.8 25.2 75.6





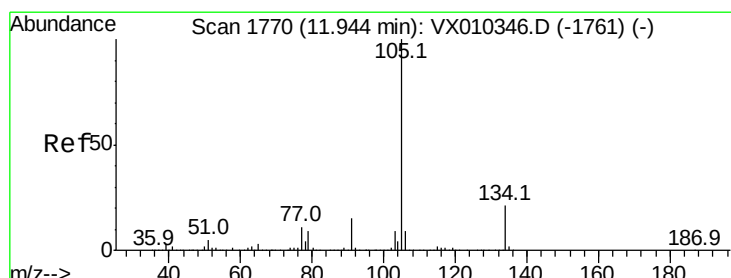
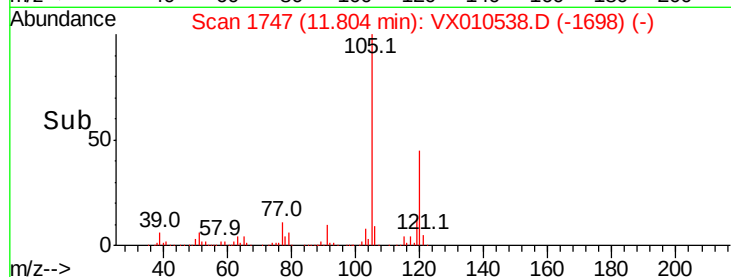
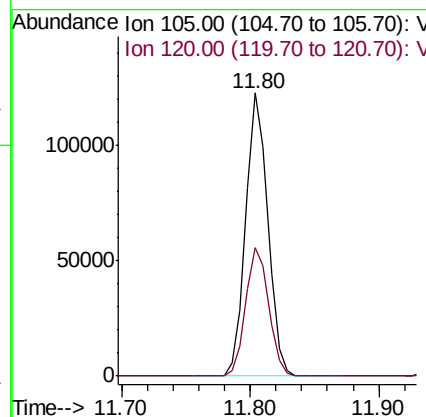
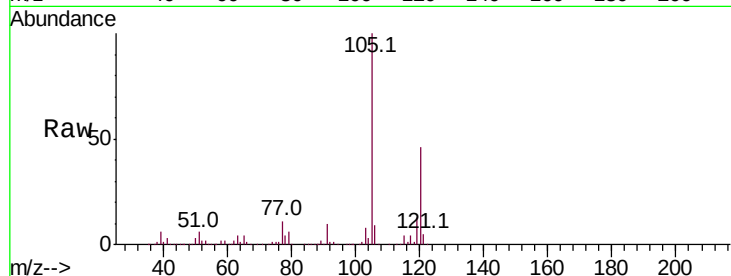
#84
 1,2,4-Trimethylbenzene
 Concen: 15.279 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. 0.00 min
 Lab File: VX010538.D
 Acq: 28 Jun 2019 16:35

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0569DL

Tot Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.1	69.2

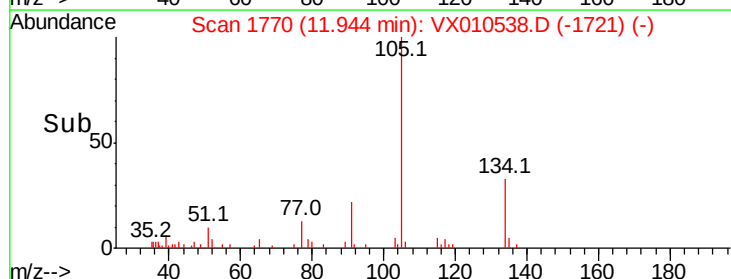
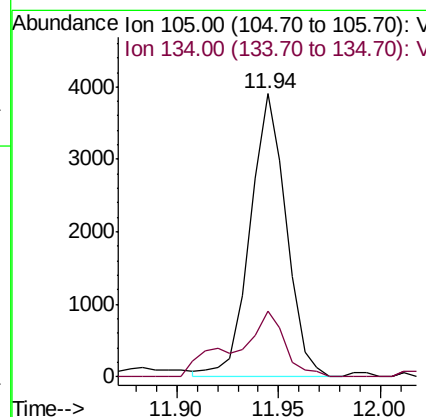
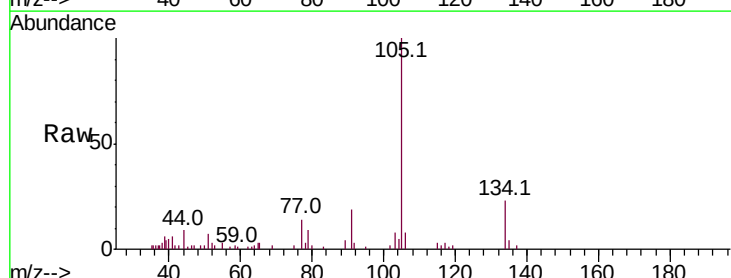
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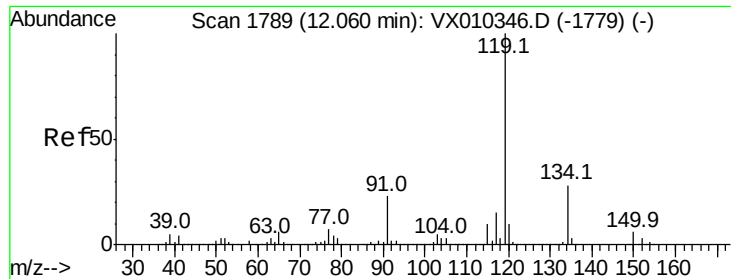
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#85
 sec-Butylbenzene
 Concen: 0.428 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX010538.D
 Acq: 28 Jun 2019 16:35

Tgt Ion	Ratio	Lower	Upper
105	100		
134	32.0	10.7	31.9#





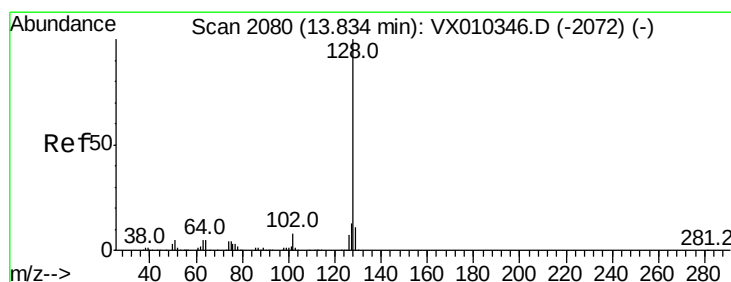
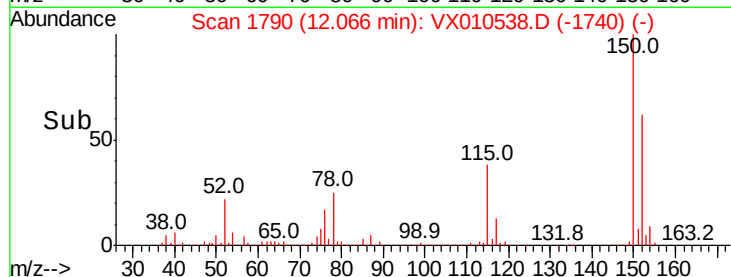
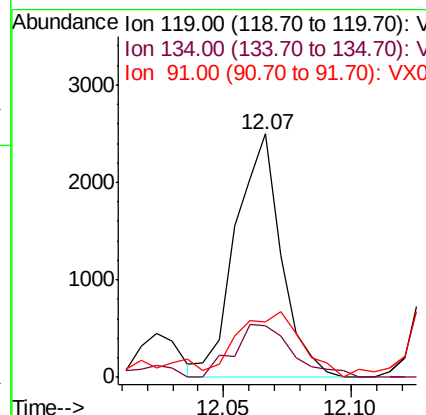
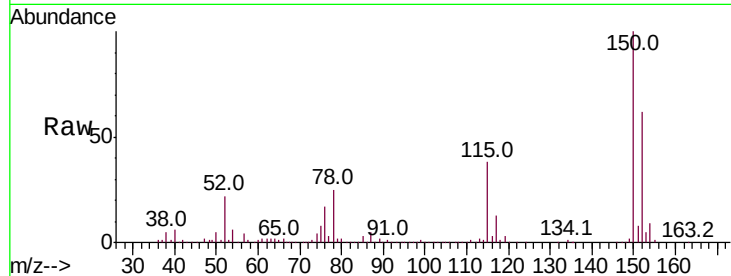
#86
p-Isopropyltoluene
Concen: 0.304 ug/l m
RT: 12.07 min Scan# 1790
Delta R.T. 0.01 min
Lab File: VX010538.D
Acq: 28 Jun 2019 16:35

Instrument :
MSVOA_X
ClientSampled :
FL-0569DL

Tot Ion	Ratio	Resp	Lower	Upper
119	100	3142		
134	18.5		13.7	41.1
91	19.1		11.3	33.8

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#95
Naphthalene
Concen: 5.456 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.00 min
Lab File: VX010538.D
Acq: 28 Jun 2019 16:35

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	64882		
127	13.2		10.2	15.4
129	11.3		8.9	13.3

