

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
 Data File : VX010967.D
 Acq On : 18 Jul 2019 18:29
 Operator : JC/SP
 Sample : K3884-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0617

Manual Integrations
 APPROVED

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 7/22/2019 12:23:19 PM

Quant Time: Jul 19 04:33:39 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	241389	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	382710	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	363325	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	197347	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	132553	51.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.24%	
35) Dibromofluoromethane	5.50	113	118212	48.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.32%	
50) Toluene-d8	8.71	98	463629	50.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.78%	
62) 4-Bromofluorobenzene	11.13	95	188510	56.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.58%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.58	56	943877	270.703	ug/l	99
39) Methylcyclohexane	7.46	83	692023	169.752	ug/l	99
52) Toluene	8.79	92	1429067	225.906	ug/l	100
67) Ethyl Benzene	10.26	91	7642350	601.669	ug/l	95
68) m/p-Xylenes	10.37	106	9503362	1950.472	ug/l	76
69) o-Xylene	10.70	106	4290141	902.207	ug/l	96
73) Isopropylbenzene	11.02	105	622476	46.681	ug/l	100
78) n-propylbenzene	11.36	91	945959	64.203	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1667955	149.693	ug/l	99
83) tert-Butylbenzene	11.77	119	16896m	1.544	ug/l	
84) 1,2,4-Trimethylbenzene	11.81	105	4959180	441.581	ug/l	99
85) sec-Butylbenzene	11.94	105	78168m	6.095	ug/l	
86) p-Isopropyltoluene	12.06	119	92651	7.815	ug/l	98
89) n-Butylbenzene	12.38	91	119766	11.808	ug/l #	20
95) Naphthalene	13.83	128	2389582	188.747	ug/l	99

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

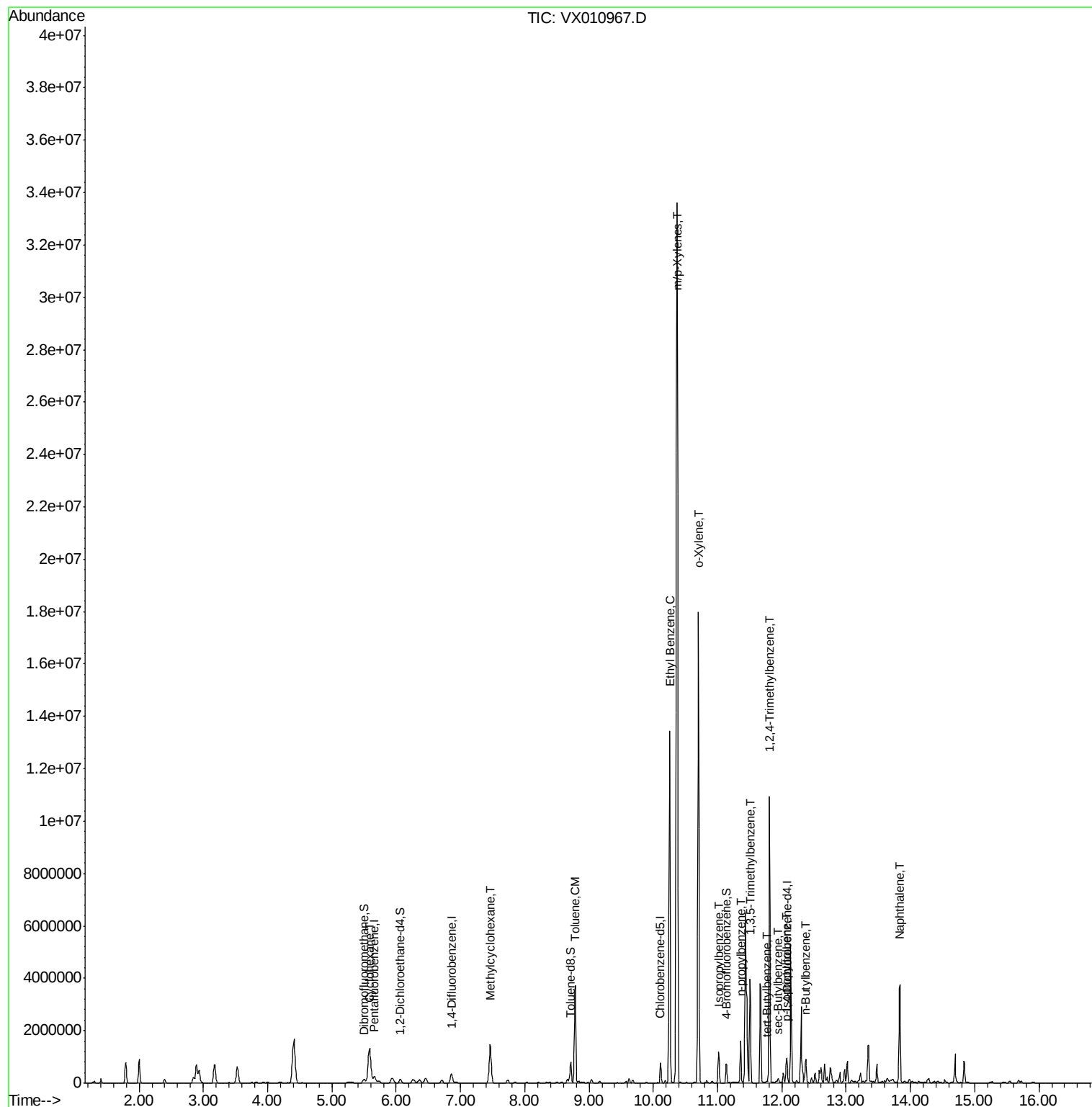
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071819\
Data File : VX010967.D
Acq On : 18 Jul 2019 18:29
Operator : JC/SP
Sample : K3884-07
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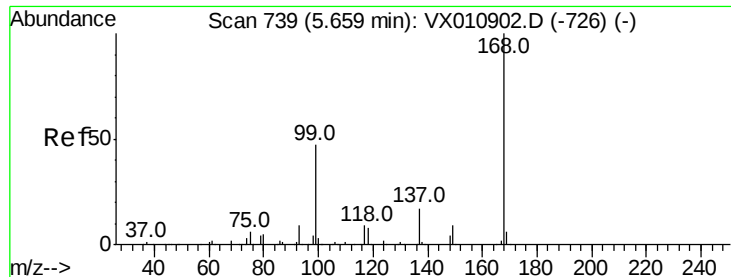
Instrument :
MSVOA_X
ClientSampleId :
FL-0617

Manual Integrations
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7/22/2019 12:23:19 PM

Quant Time: Jul 19 04:33:39 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX010967.D

Acq: 18 Jul 2019 18:29

Instrument :

MSVOA_X

ClientSampled :

FL-0617

Tot Ion:168 Resp: 241389

Ion Ratio Lower Upper

168 100

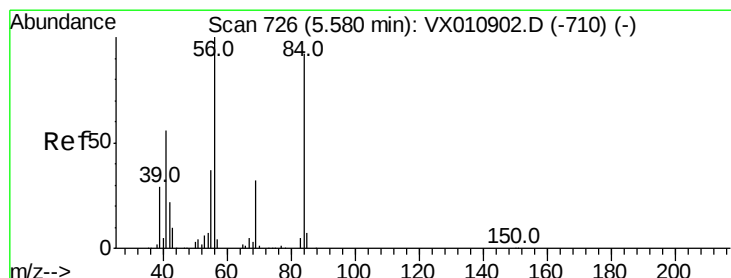
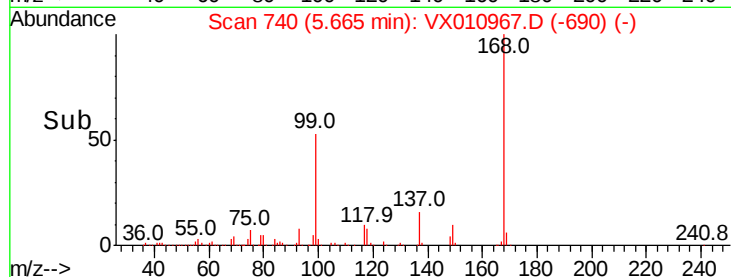
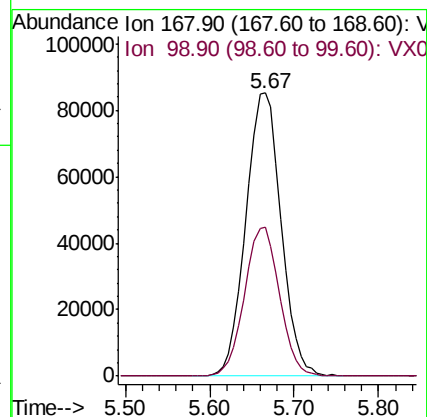
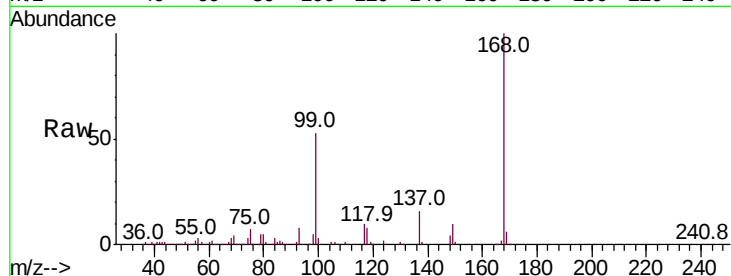
99 52.6 37.6 56.4

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#31

Cyclohexane

Concen: 270.703 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX010967.D

Acq: 18 Jul 2019 18:29

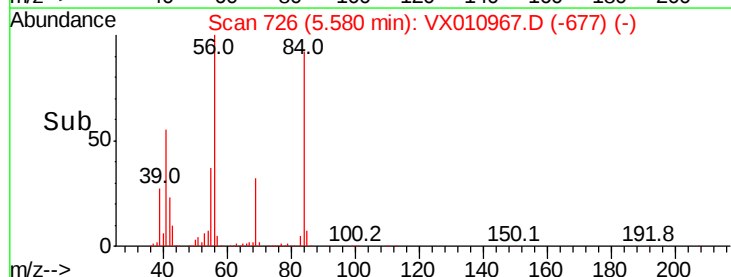
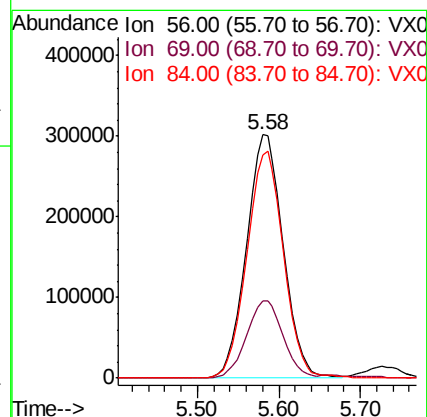
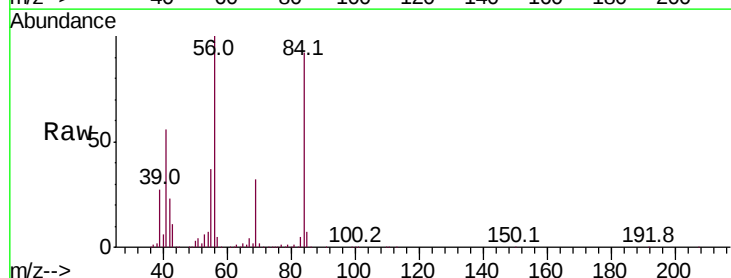
Tgt Ion: 56 Resp: 943877

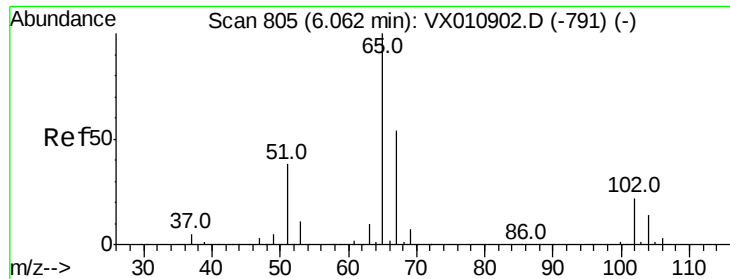
Ion Ratio Lower Upper

56 100

69 31.6 25.8 38.8

84 91.7 73.8 110.6





#33

1,2-Dichloroethane-d4

Concen: 51.617 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX010967.D

Acq: 18 Jul 2019 18:29

Instrument :

MSVOA_X

ClientSampled :

FL-0617

Tot Ion: 65 Resp: 132553

Ion Ratio Lower Upper

65 100

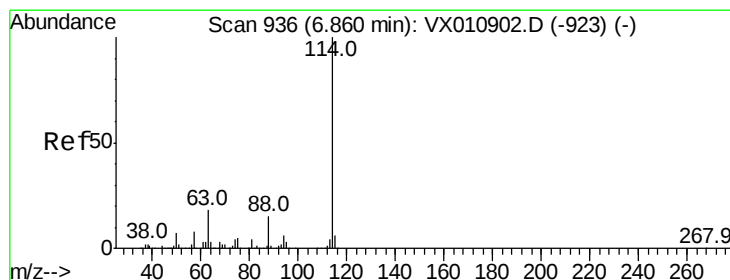
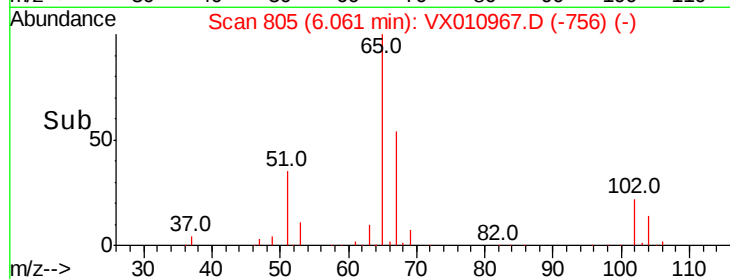
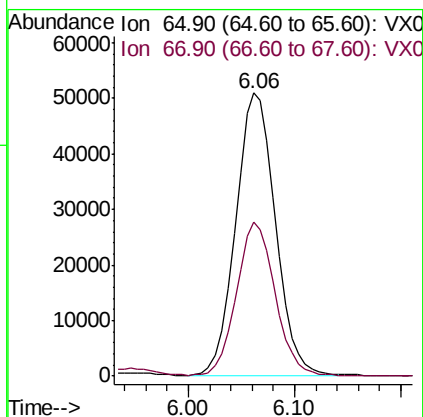
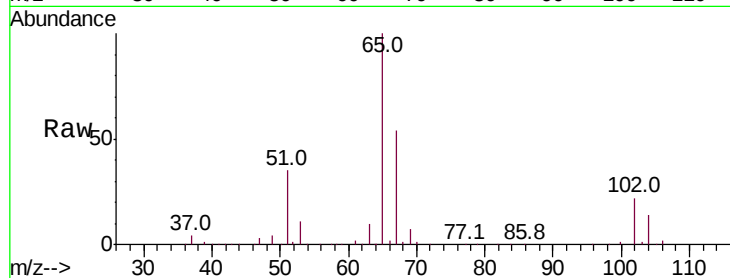
67 52.7 0.0 107.8

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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: VX010967.D

Acq: 18 Jul 2019 18:29

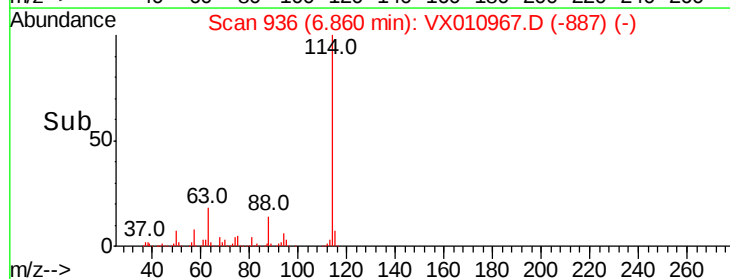
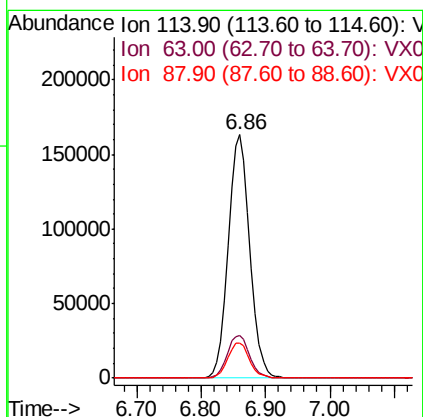
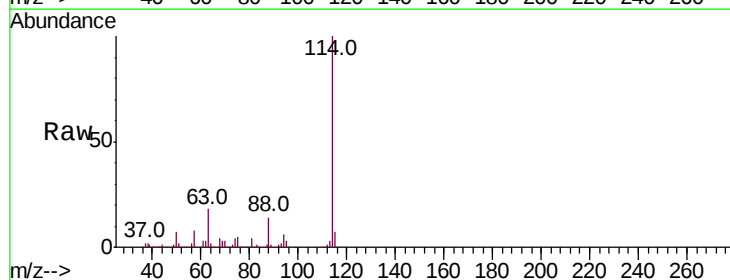
Tgt Ion: 114 Resp: 382710

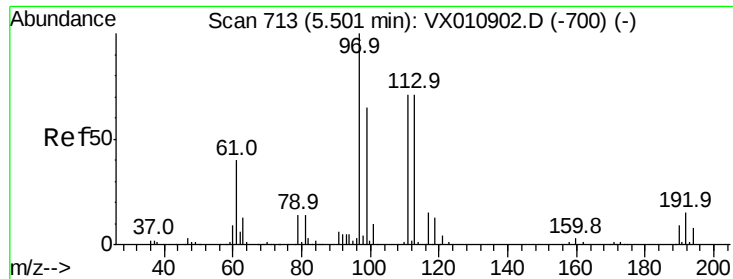
Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.6

88 14.2 0.0 29.8





#35

Dibromofluoromethane

Concen: 48.664 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX010967.D

Acq: 18 Jul 2019 18:29

Instrument :

MSVOA_X

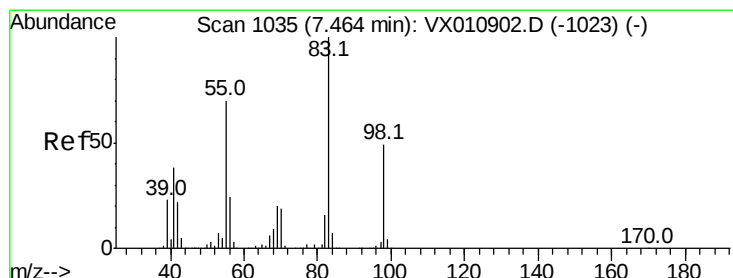
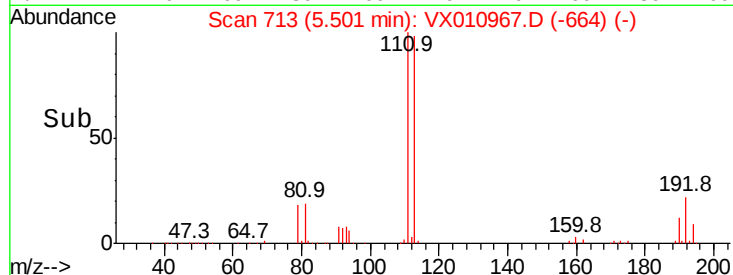
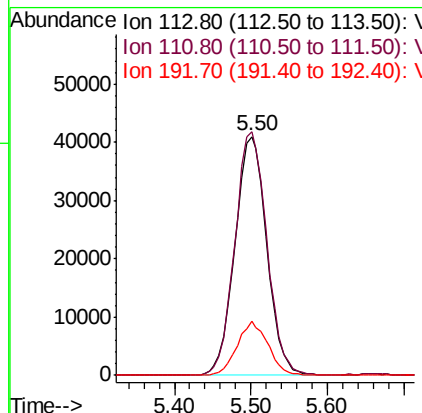
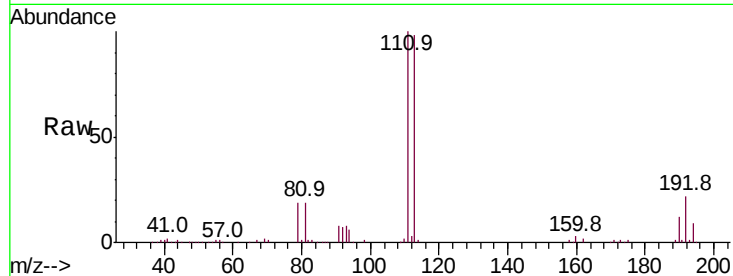
ClientSampled :

FL-0617

Tot Ion:	113	Resp:	118212
Ion Ratio	Lower	Upper	
113	100		
111	102.3	82.3	123.5
192	21.9	17.4	26.2

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#39

Methylcyclohexane

Concen: 169.752 ug/l

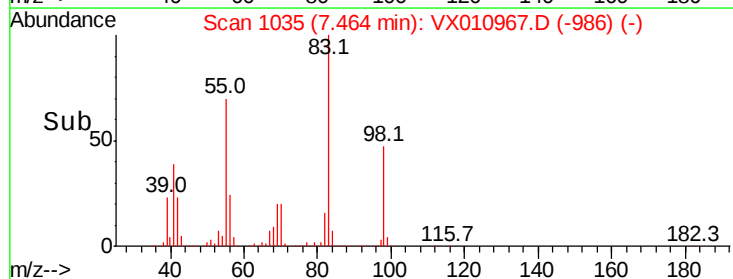
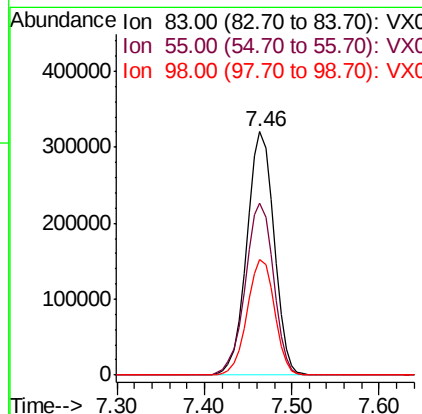
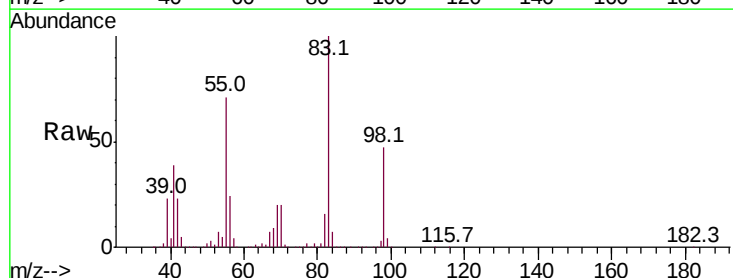
RT: 7.46 min Scan# 1035

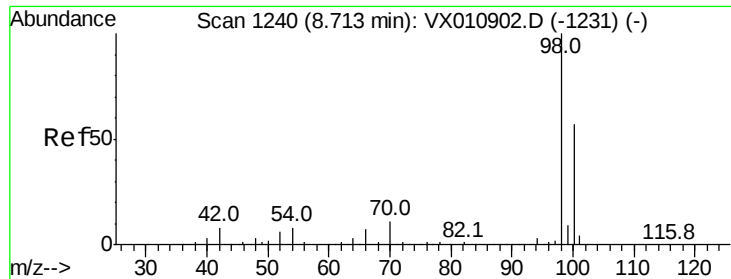
Delta R.T. -0.00 min

Lab File: VX010967.D

Acq: 18 Jul 2019 18:29

Tgt Ion:	83	Resp:	692023
Ion Ratio	Lower	Upper	
83	100		
55	70.5	56.2	84.4
98	47.2	39.0	58.4





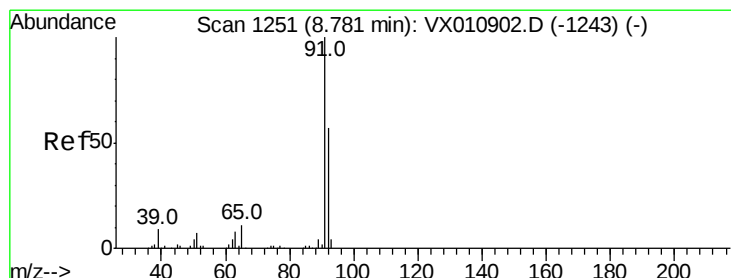
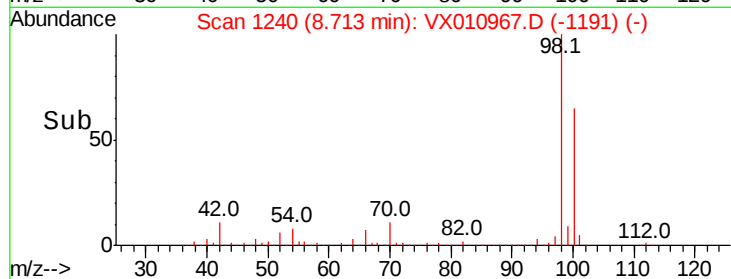
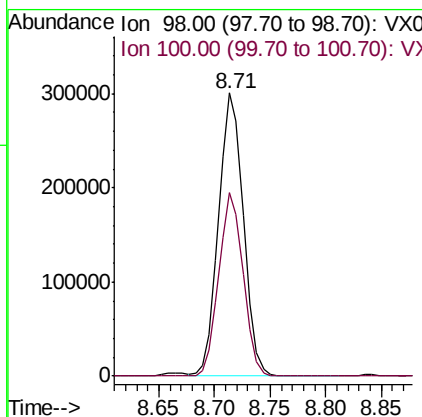
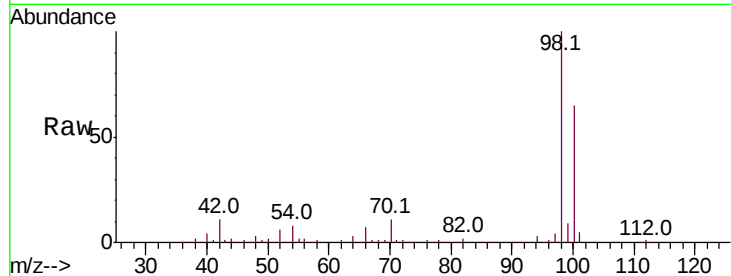
#50
Toluene-d8
Concen: 50.888 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX010967.D
Acq: 18 Jul 2019 18:29

Instrument :
MSVOA_X
ClientSampleId :
FL-0617

Tot Ion: 98 Resp: 463629
Ion Ratio Lower Upper
98 100
100 63.8 50.6 75.8

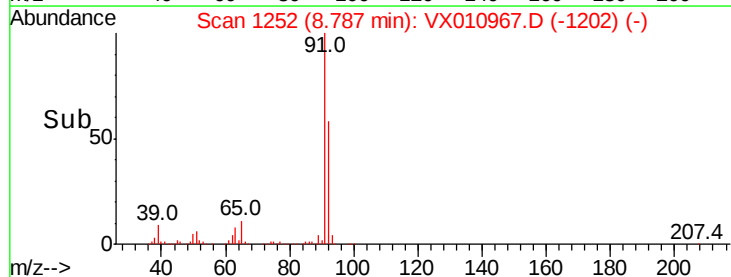
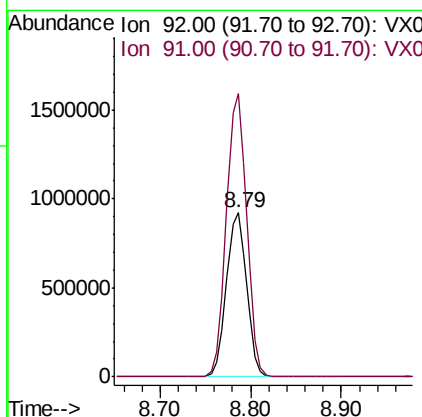
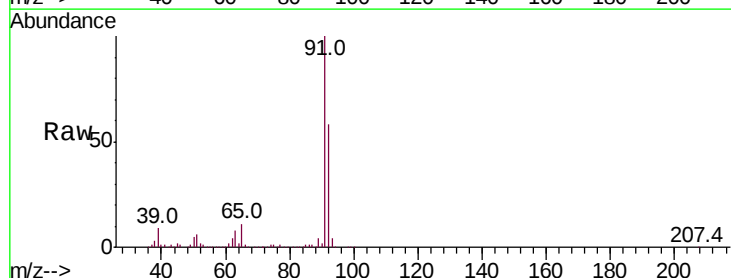
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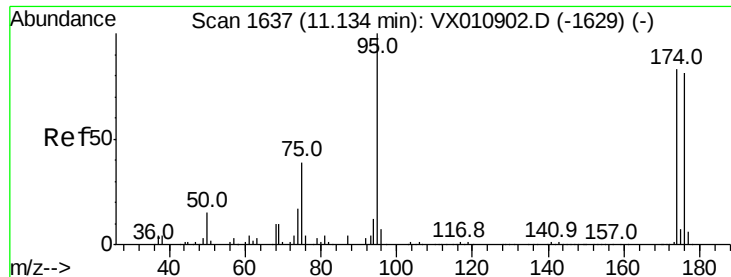
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#52
Toluene
Concen: 225.906 ug/l
RT: 8.79 min Scan# 1252
Delta R.T. 0.01 min
Lab File: VX010967.D
Acq: 18 Jul 2019 18:29

Tgt Ion: 92 Resp: 1429067
Ion Ratio Lower Upper
92 100
91 173.8 139.4 209.0





#62

4-Bromofluorobenzene

Concen: 56.291 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX010967.D

Acq: 18 Jul 2019 18:29

Instrument :

MSVOA_X

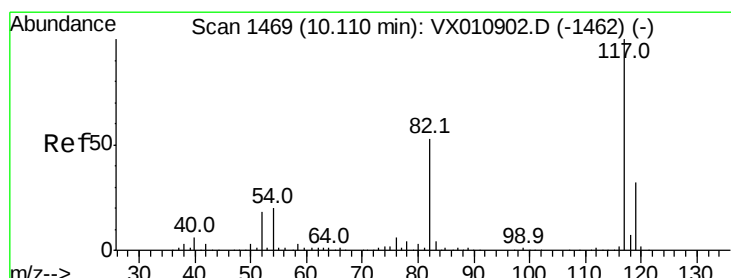
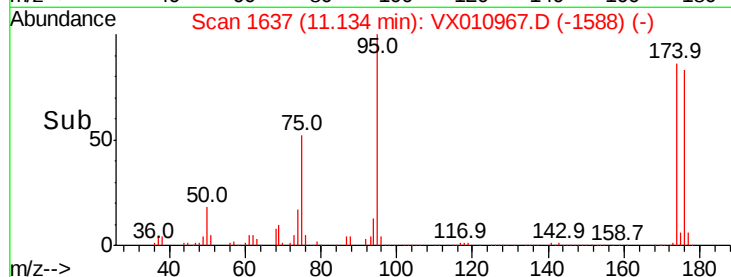
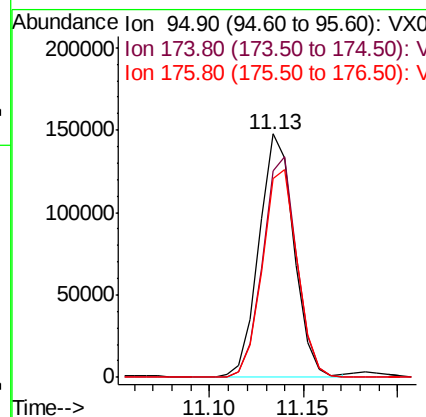
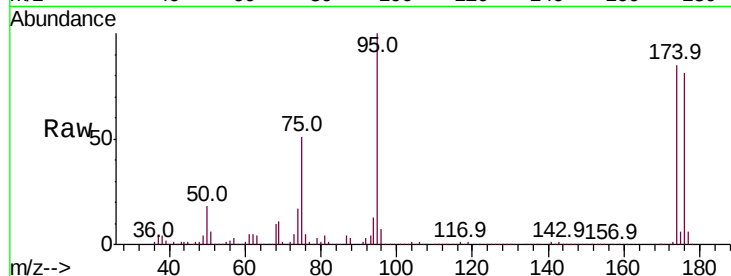
ClientSampleId :

FL-0617

Tot Ion:	95	Resp:	188510
Ion Ratio	Lower	Upper	
95	100		
174	88.8	0.0	180.6
176	85.9	0.0	173.8

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

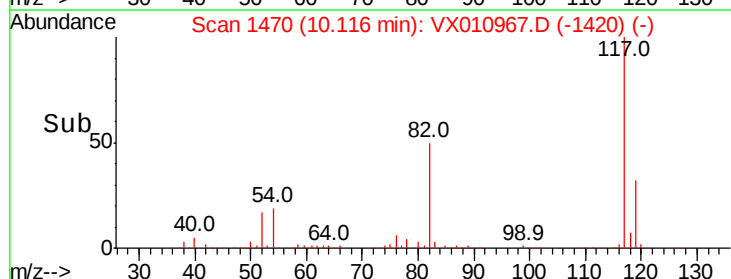
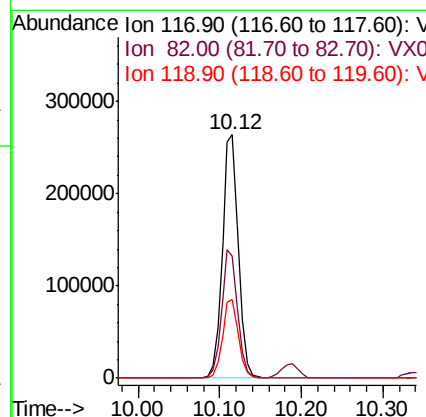
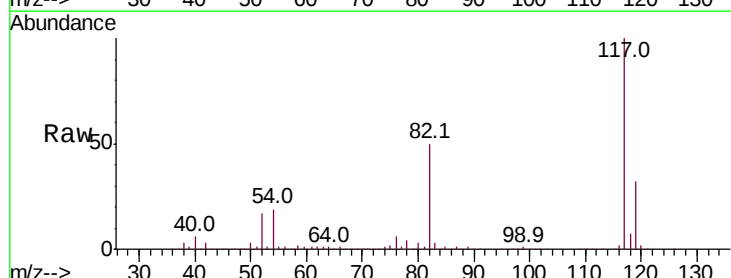
RT: 10.12 min Scan# 1470

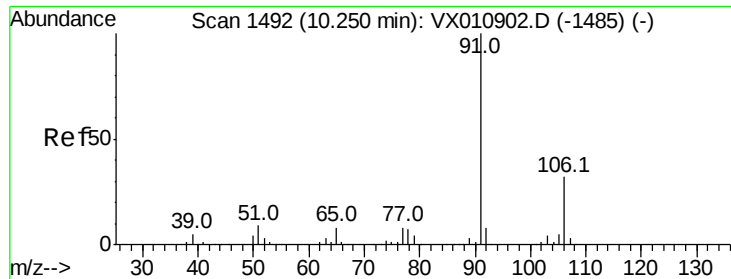
Delta R.T. 0.01 min

Lab File: VX010967.D

Acq: 18 Jul 2019 18:29

Tgt Ion:	117	Resp:	363325
Ion Ratio	Lower	Upper	
117	100		
82	49.8	42.6	63.8
119	32.5	25.9	38.9





#67

Ethyl Benzene

Concen: 601.669 ug/l

RT: 10.26 min Scan# 1493

Delta R.T. 0.01 min

Lab File: VX010967.D

Acq: 18 Jul 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

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Tot Ion: 91 Resp: 7642350

Ion Ratio Lower Upper

91 100

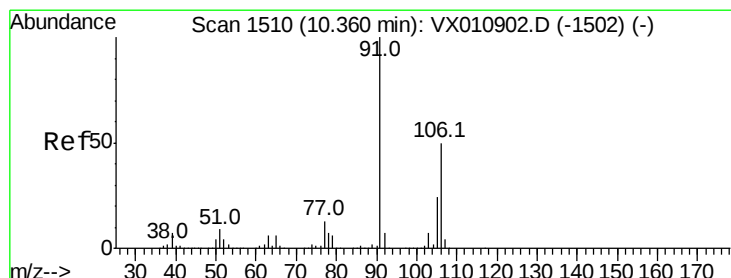
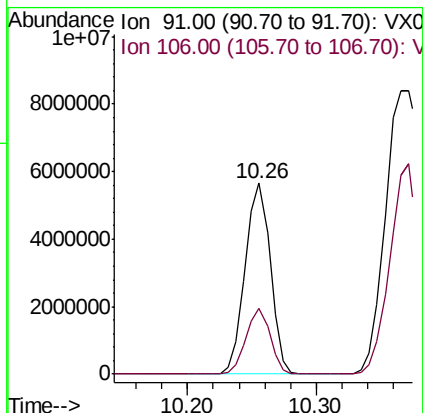
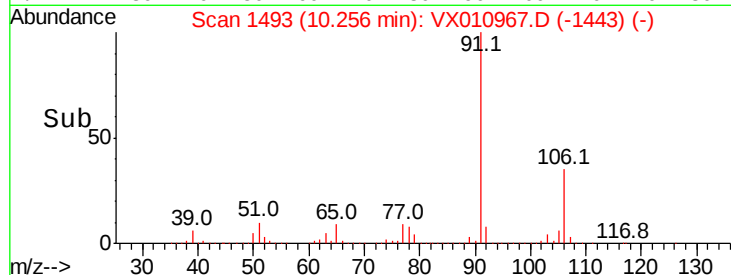
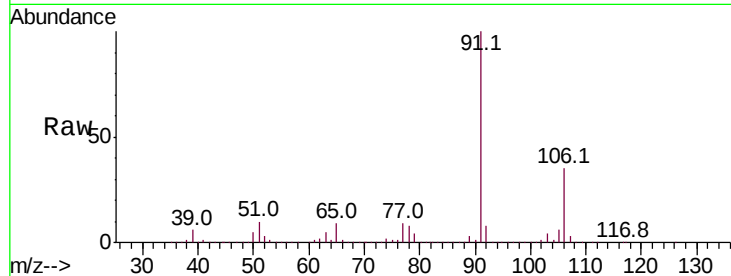
106 34.7 25.4 38.2

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#68

m/p-Xylenes

Concen: 1950.472 ug/l

RT: 10.37 min Scan# 1512

Delta R.T. 0.01 min

Lab File: VX010967.D

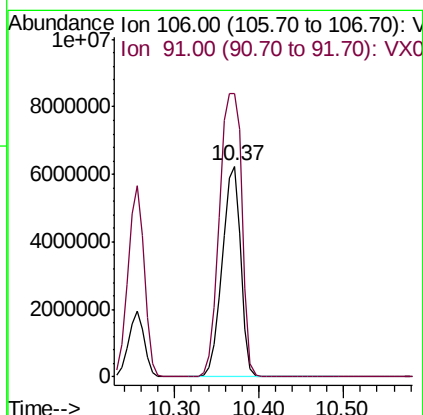
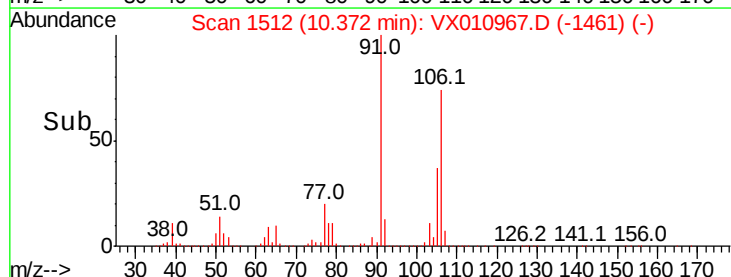
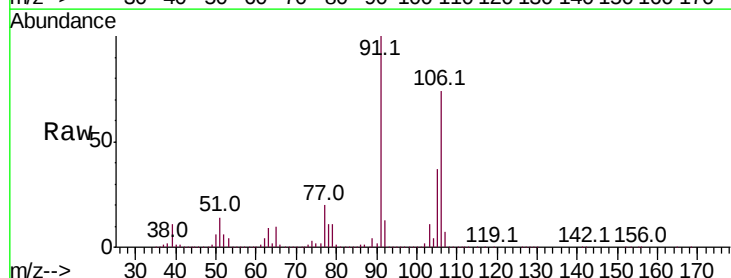
Acq: 18 Jul 2019 18:29

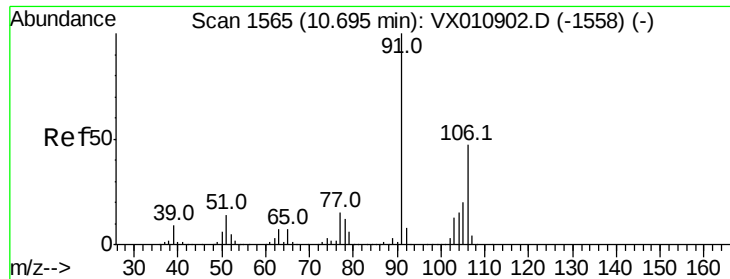
Tgt Ion: 106 Resp: 9503362

Ion Ratio Lower Upper

106 100

91 163.4 160.1 240.1





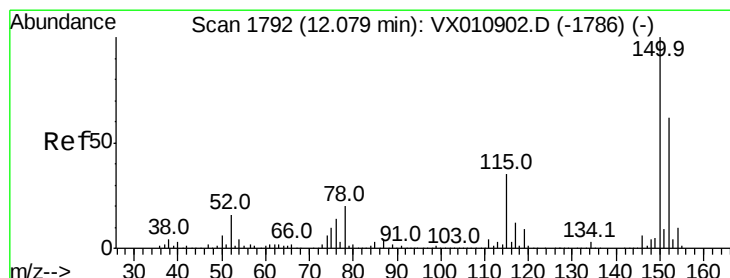
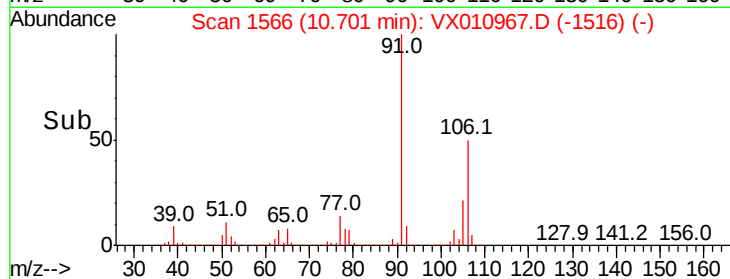
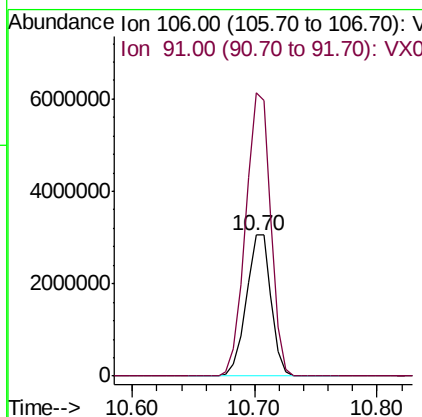
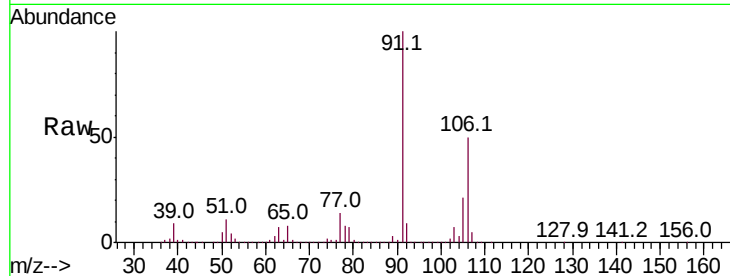
#69
o-Xylene
Concen: 902.207 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX010967.D
Acq: 18 Jul 2019 18:29

Instrument :
MSVOA_X
ClientSampled :
FL-0617

Tot Ion:106 Resp: 4290141
Ion Ratio Lower Upper
106 100
91 203.5 105.1 315.3

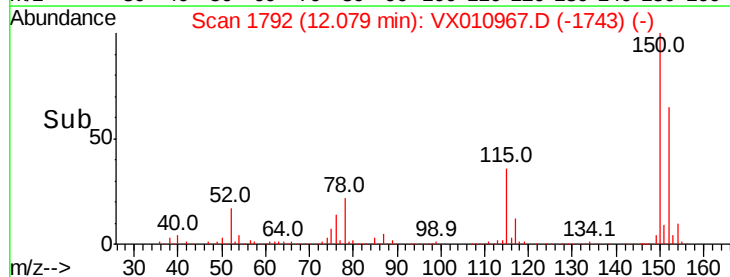
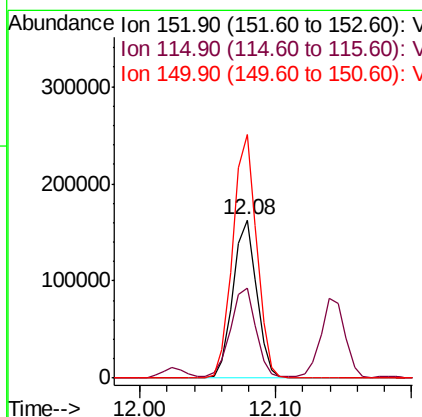
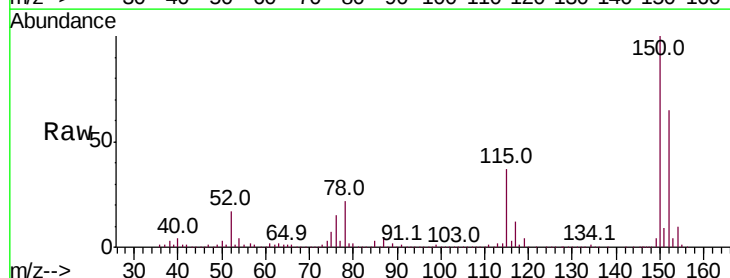
Manual Integrations
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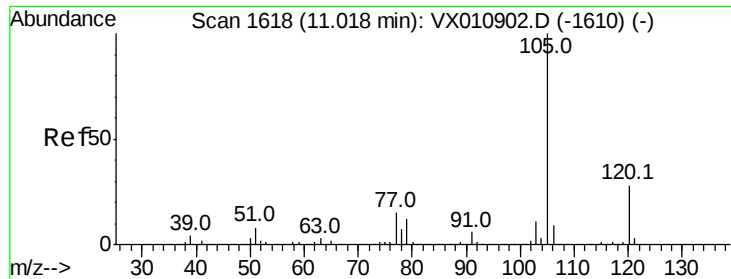
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX010967.D
Acq: 18 Jul 2019 18:29

Tgt Ion:152 Resp: 197347
Ion Ratio Lower Upper
152 100
115 61.5 39.7 119.1
150 155.8 0.0 345.6





#73

Isopropylbenzene

Concen: 46.681 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX010967.D

Acq: 18 Jul 2019 18:29

Instrument :

MSVOA_X

ClientSampled :

FL-0617

Tot Ion: 105 Resp: 622476

Ion Ratio Lower Upper

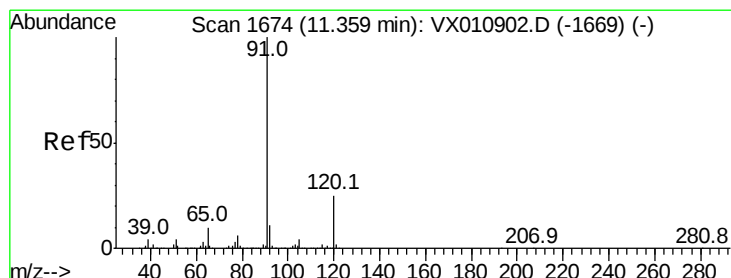
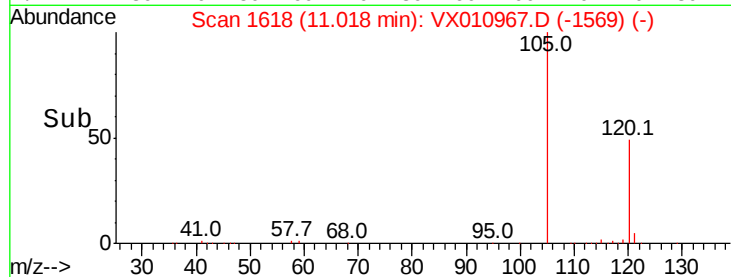
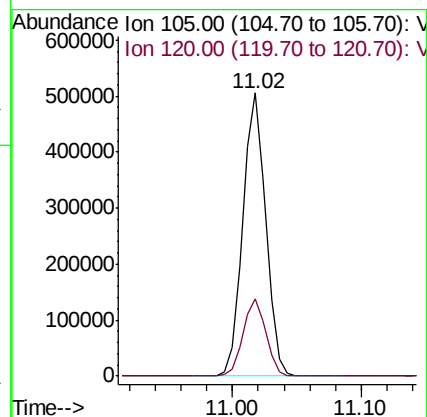
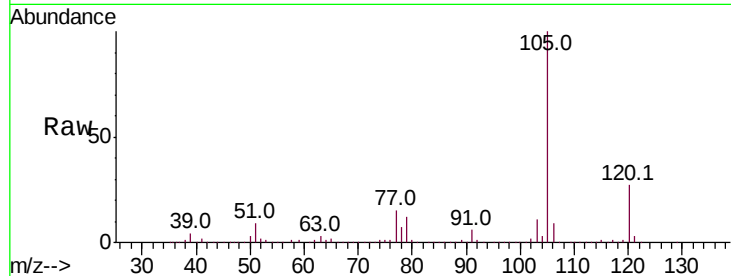
105 100

120 27.2 13.7 41.1

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#78

n-propylbenzene

Concen: 64.203 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX010967.D

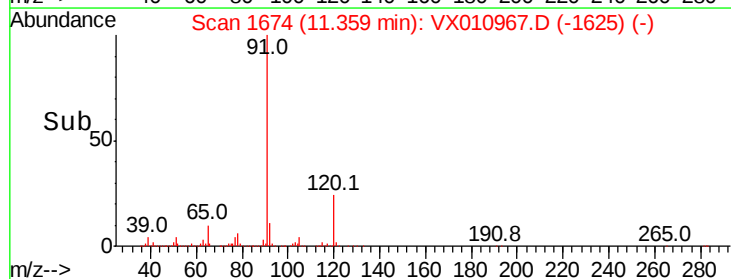
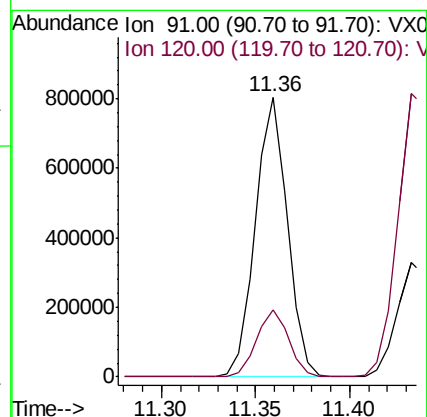
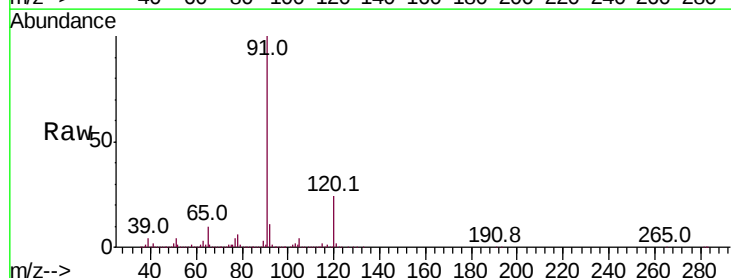
Acq: 18 Jul 2019 18:29

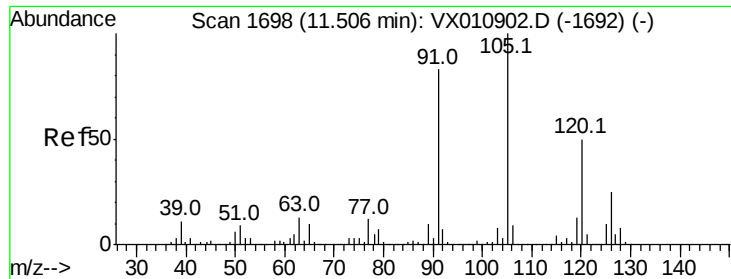
Tgt Ion: 91 Resp: 945959

Ion Ratio Lower Upper

91 100

120 24.2 12.3 36.8





#80

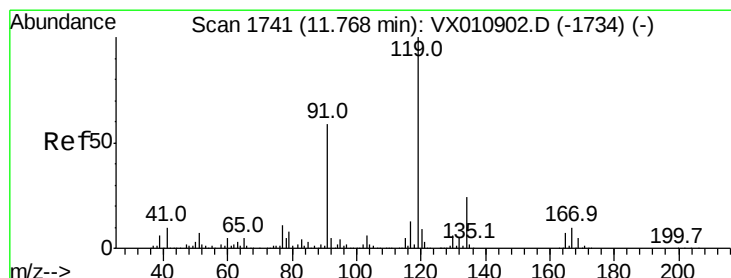
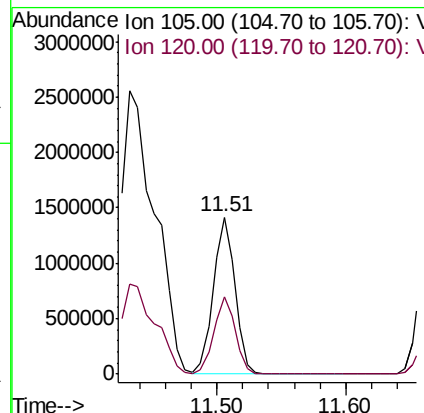
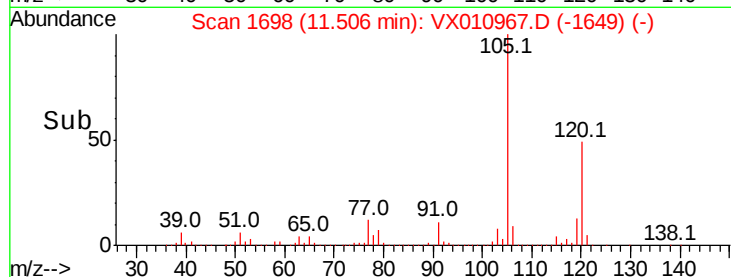
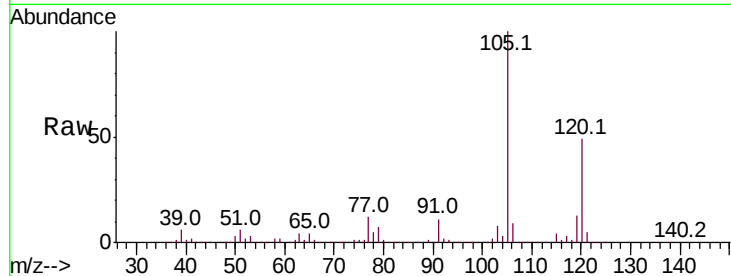
1,3,5-Trimethylbenzene
Concen: 149.693 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX010967.D
Acq: 18 Jul 2019 18:29

Instrument :
MSVOA_X
ClientSampled :
FL-0617

Tot Ion:105 Resp: 1667955
Ion Ratio Lower Upper
105 100
120 48.8 24.6 73.8

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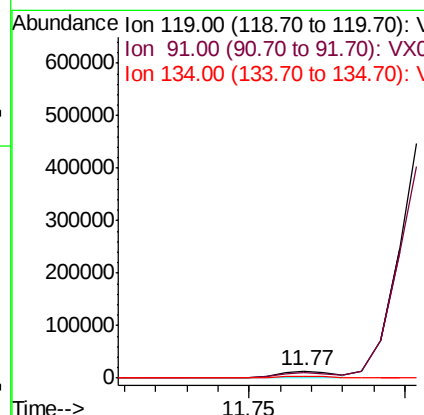
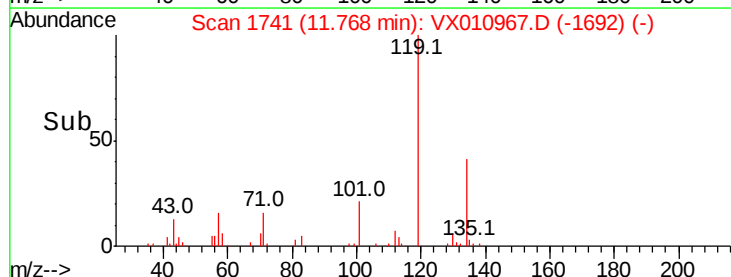
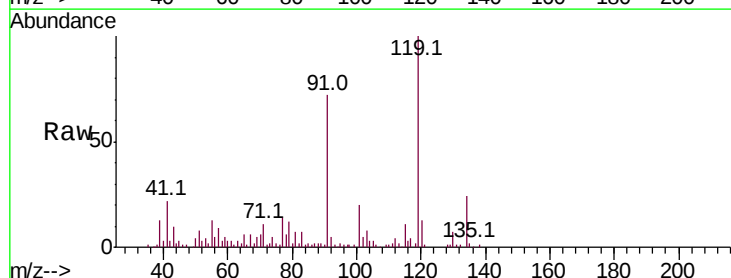
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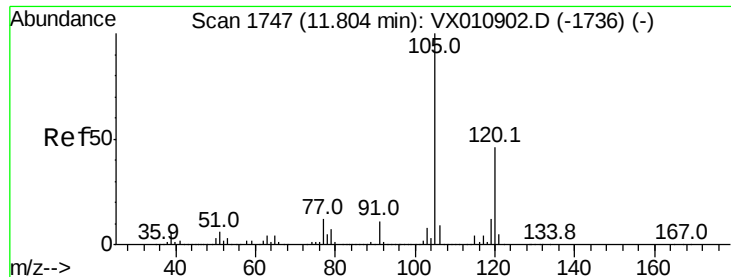


#83

tert-Butylbenzene
Concen: 1.544 ug/l m
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX010967.D
Acq: 18 Jul 2019 18:29

Tgt Ion:119 Resp: 16896
Ion Ratio Lower Upper
119 100
91 3220.1 28.6 85.8#
134 0.0 11.6 34.8#





#84

1,2,4-Trimethylbenzene

Concen: 441.581 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VX010967.D

Acq: 18 Jul 2019 18:29

Instrument :

MSVOA_X

ClientSampleId :

FL-0617

Tot Ion:105 Resp: 4959180

Ion Ratio Lower Upper

105 100

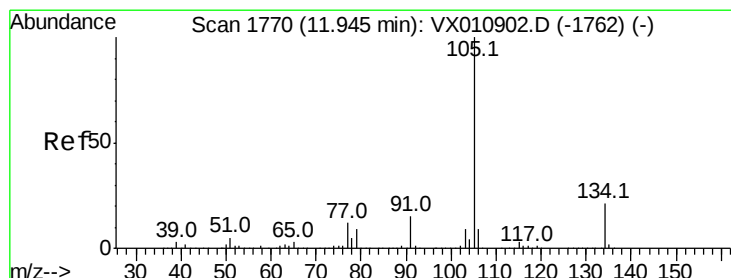
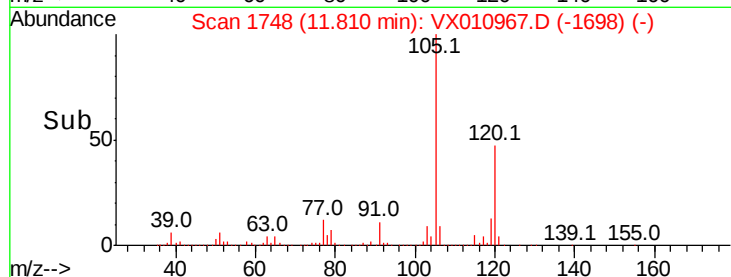
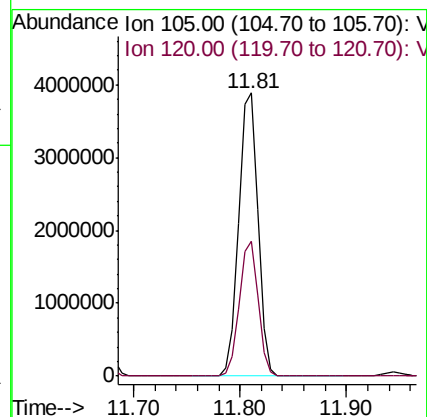
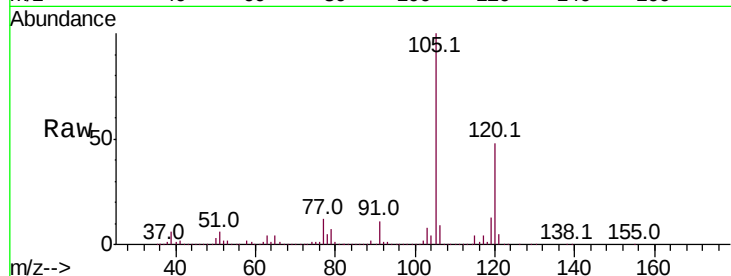
120 46.7 22.9 68.5

Manual Integrations

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#85

sec-Butylbenzene

Concen: 6.095 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX010967.D

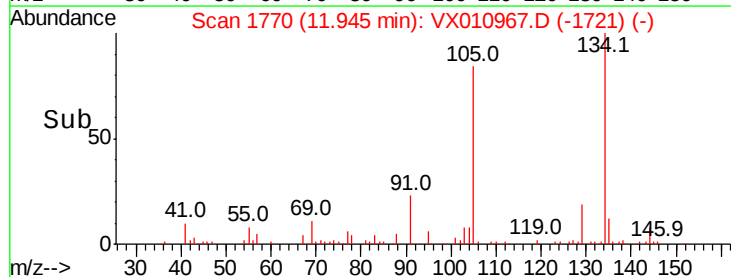
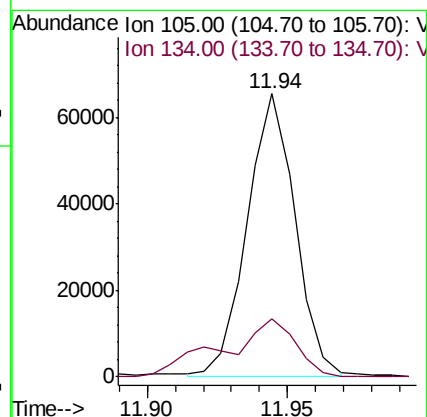
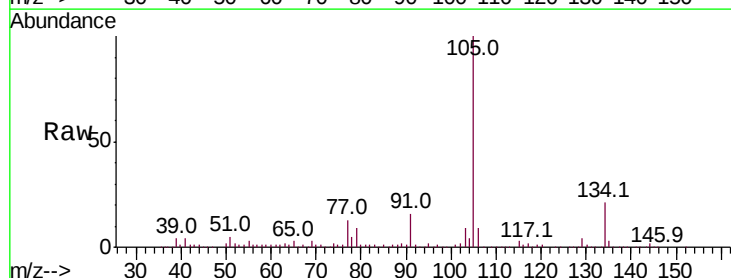
Acq: 18 Jul 2019 18:29

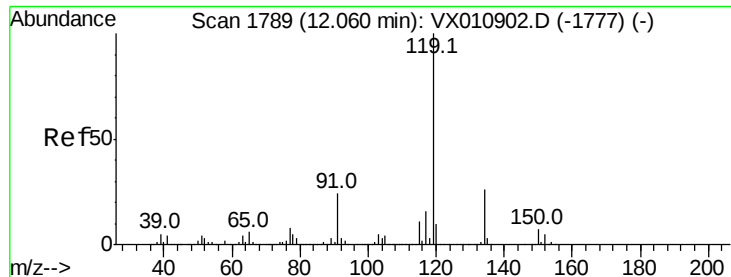
Tgt Ion:105 Resp: 78168

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.4#





#86

p-Isopropyltoluene

Concen: 7.815 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX010967.D

Acq: 18 Jul 2019 18:29

Instrument :

MSVOA_X

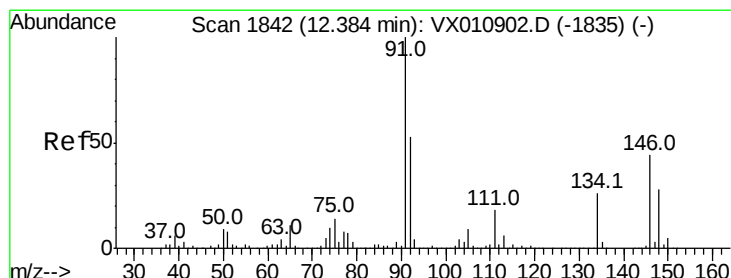
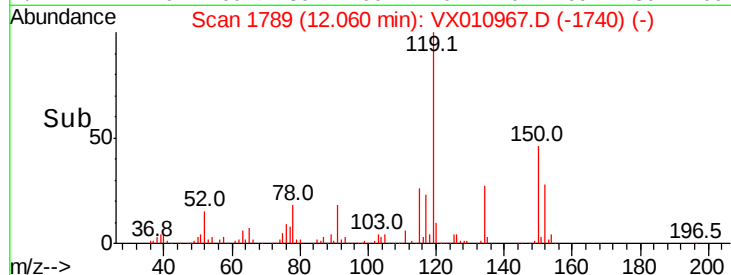
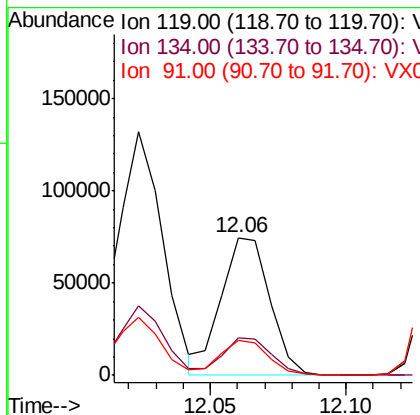
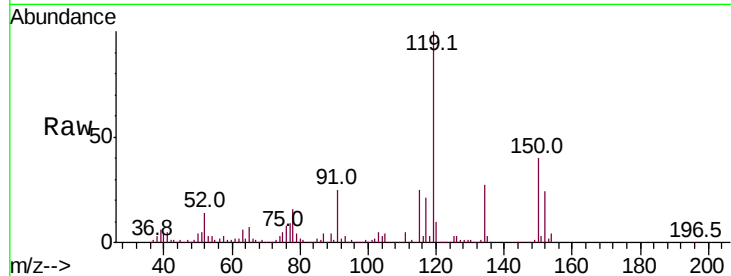
ClientSampled :

FL-0617

Tot Ion:	119	Resp:	92651
Ion Ratio	Lower	Upper	
119	100		
134	27.5	13.4	40.1
91	24.7	11.8	35.4

Manual Integrations
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#89

n-Butylbenzene

Concen: 11.808 ug/l

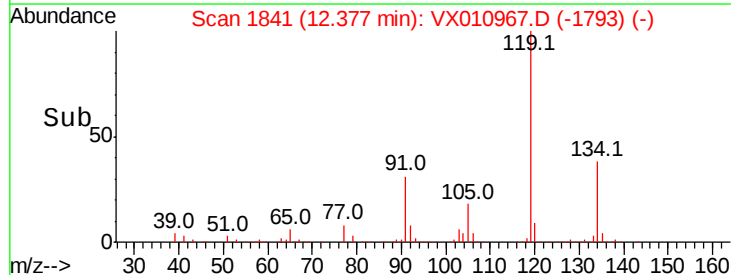
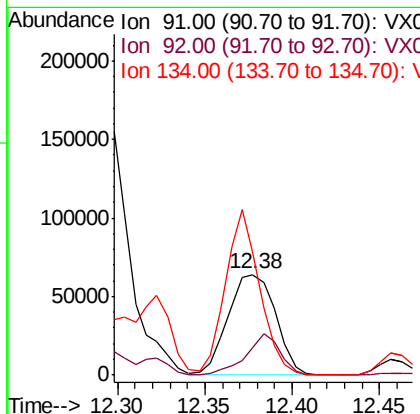
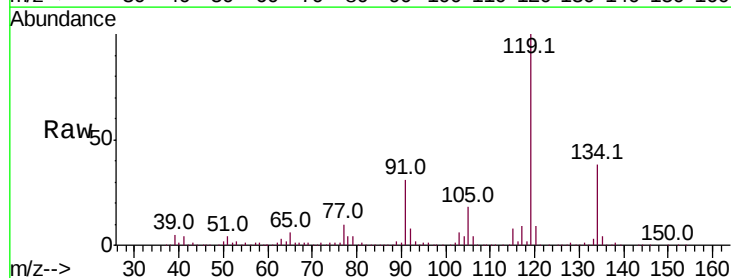
RT: 12.38 min Scan# 1841

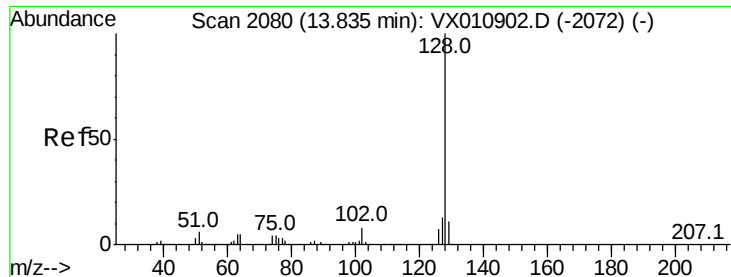
Delta R.T. -0.01 min

Lab File: VX010967.D

Acq: 18 Jul 2019 18:29

Tgt Ion:	91	Resp:	119766
Ion Ratio	Lower	Upper	
91	100		
92	30.5	26.2	78.5
134	118.6	13.8	41.3#





#95
Naphthalene
Concen: 188.747 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX010967.D
Acq: 18 Jul 2019 18:29

Instrument :
MSVOA_X
ClientSampleId :
FL-0617

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.4	15.6
129	11.3	8.9	13.3

Manual Integrations
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