

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\
 Data File : VX011014.D
 Acq On : 19 Jul 2019 19:45
 Operator : JC/SP
 Sample : K3884-06DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0608DL

Manual Integrations
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 7/22/2019 5:24:05 PM

Quant Time: Jul 20 04:46:11 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	217025	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	342264	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	323722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	166587	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	118384	51.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.54%	
35) Dibromofluoromethane	5.50	113	102993	47.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.82%	
50) Toluene-d8	8.71	98	416624	51.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.26%	
62) 4-Bromofluorobenzene	11.13	95	158898	53.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.12%	
Target Compounds						
					Qvalue	
31) Cyclohexane	5.57	56	153390	48.931	ug/l	99
39) Methylcyclohexane	7.46	83	79285	21.747	ug/l	97
67) Ethyl Benzene	10.25	91	697288	61.612	ug/l	99
68) m/p-Xylenes	10.36	106	608005	140.053	ug/l	100
69) o-Xylene	10.69	106	191385	45.172	ug/l	100
73) Isopropylbenzene	11.02	105	49353	4.384	ug/l	99
78) n-propylbenzene	11.36	91	69918	5.622	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	124273	13.212	ug/l	100
83) tert-Butylbenzene	11.77	119	3389	0.367	ug/l	83
84) 1,2,4-Trimethylbenzene	11.80	105	398763	42.063	ug/l	99
85) sec-Butylbenzene	11.94	105	5292m	0.489	ug/l	
86) p-Isopropyltoluene	12.06	119	5606	0.560	ug/l	84
89) n-Butylbenzene	12.38	91	8785	1.026	ug/l #	28
95) Naphthalene	13.83	128	219148	20.506	ug/l	100

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

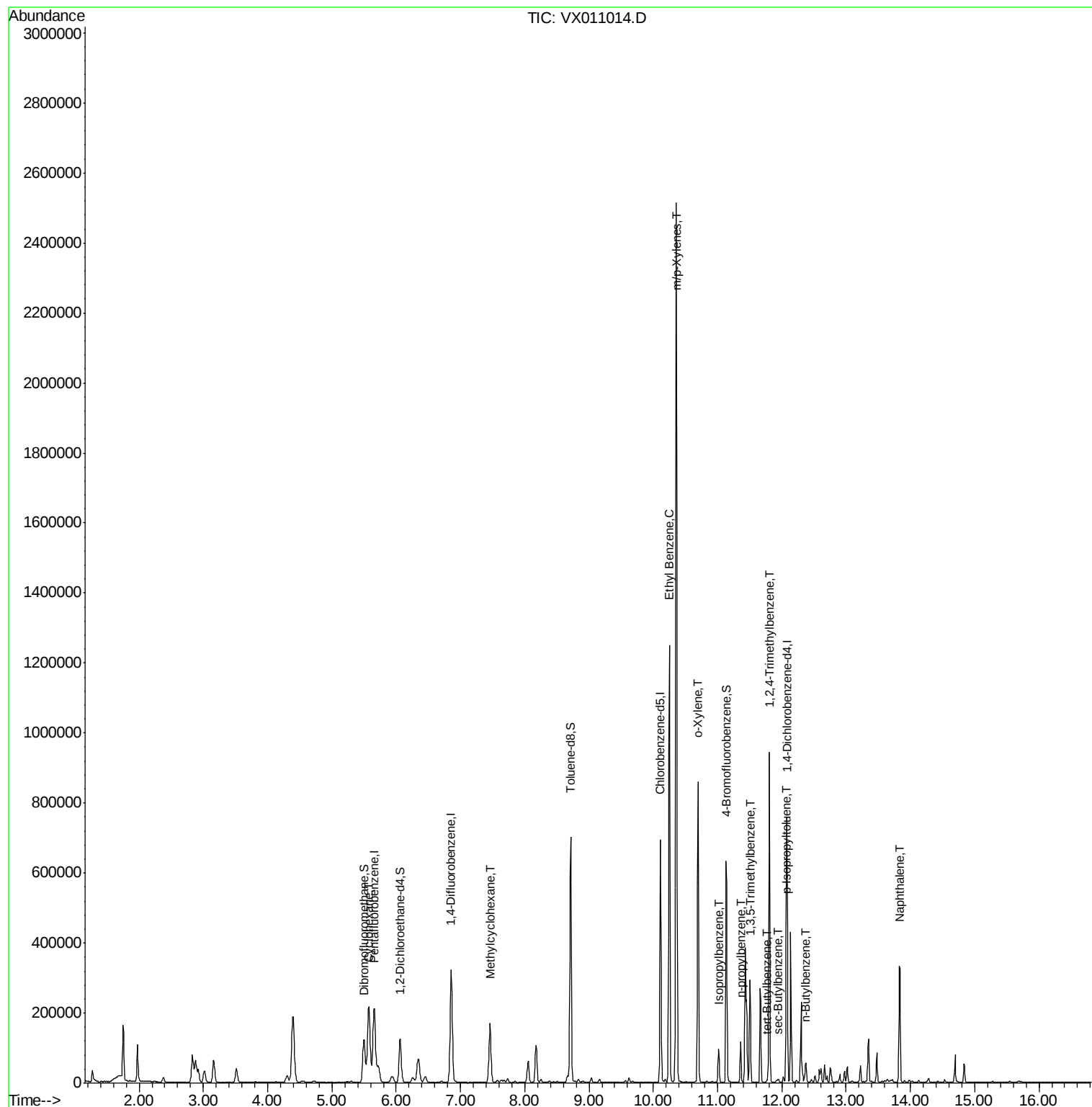
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072019\
Data File : VX011014.D
Acq On : 19 Jul 2019 19:45
Operator : JC/SP
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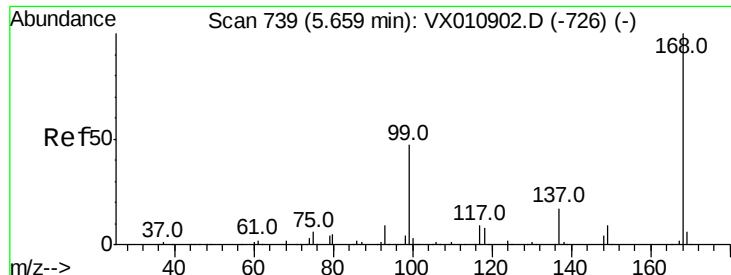
Instrument :
MSVOA_X
ClientSampleId :
FL-0608DL

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Quant Time: Jul 20 04:46:11 2019
Quant Method : Z:\V0ASRV\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: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX011014.D

Acq: 19 Jul 2019 19:45

Instrument :

MSVOA_X

ClientSampled :

FL-0608DL

Tot Ion:168 Resp: 217025

Ion Ratio Lower Upper

168 100

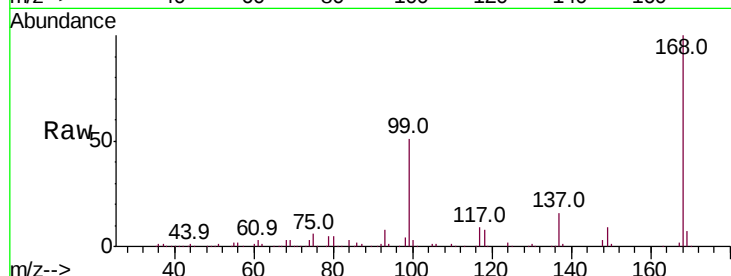
99 50.4 37.6 56.4

Manual Integrations

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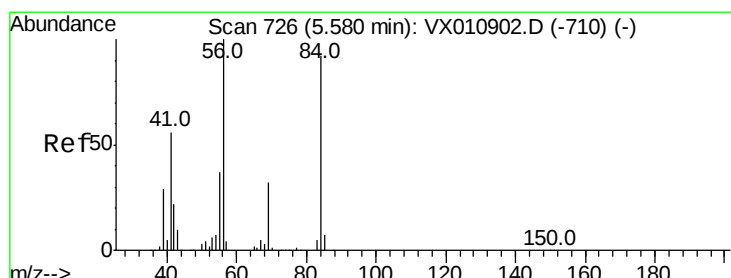
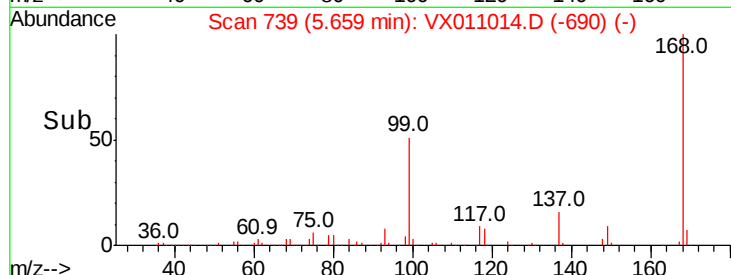
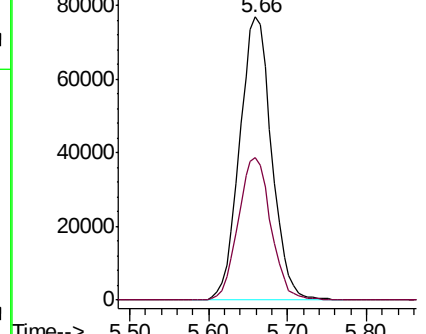
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#31

Cyclohexane

Concen: 48.931 ug/l

RT: 5.57 min Scan# 725

Delta R.T. -0.01 min

Lab File: VX011014.D

Acq: 19 Jul 2019 19:45

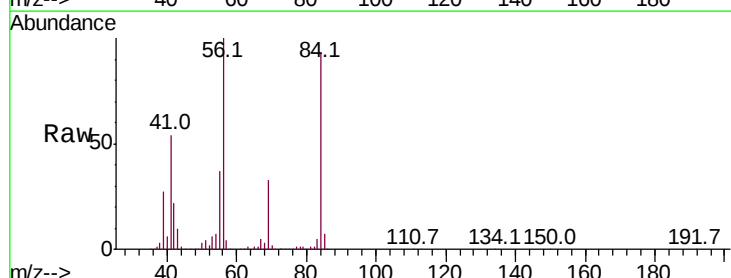
Tgt Ion: 56 Resp: 153390

Ion Ratio Lower Upper

56 100

69 32.6 25.8 38.8

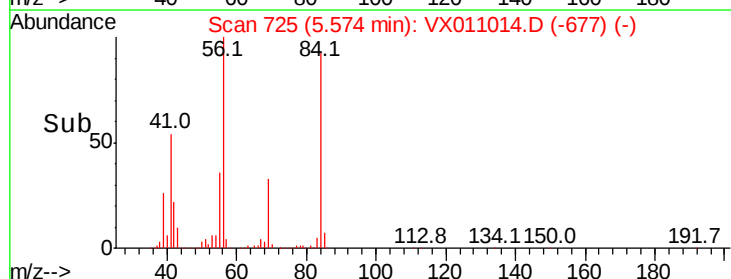
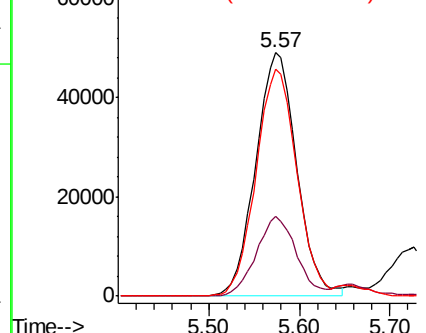
84 93.1 73.8 110.6

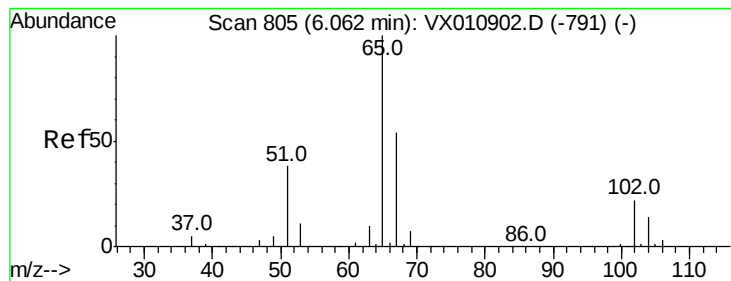


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 51.275 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011014.D

Acq: 19 Jul 2019 19:45

Instrument :

MSVOA_X

ClientSampled :

FL-0608DL

Tot Ion: 65 Resp: 118384

Ion Ratio Lower Upper

65 100

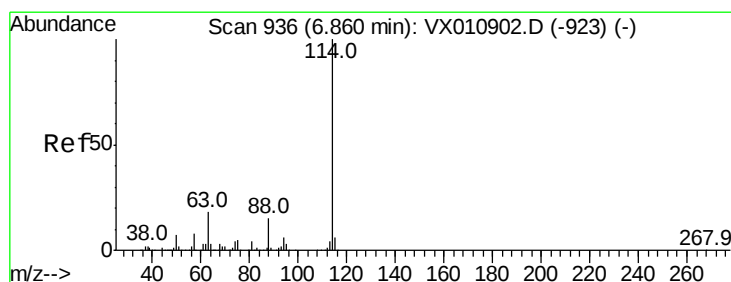
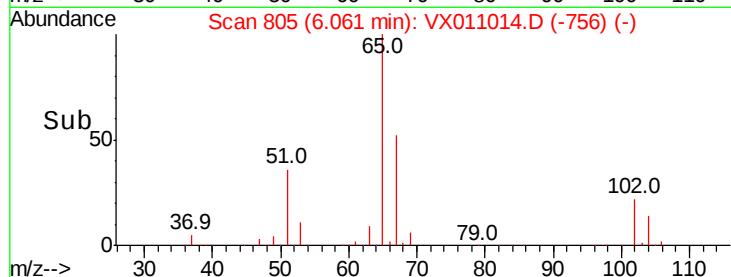
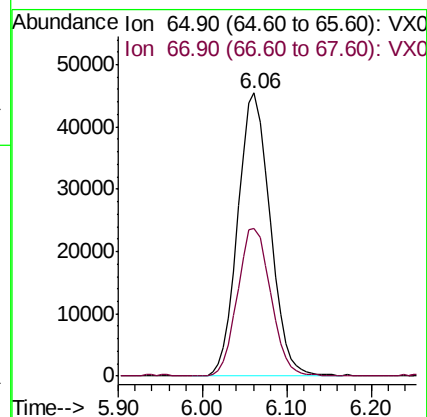
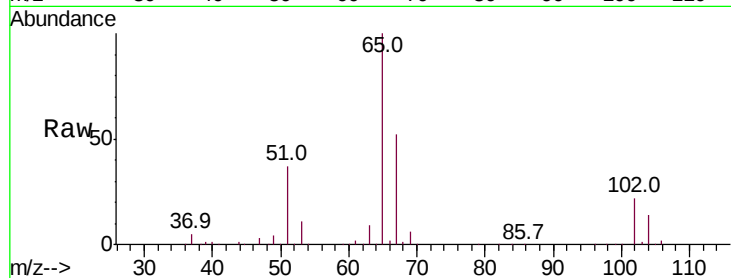
67 53.1 0.0 107.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 936

Delta R.T. -0.01 min

Lab File: VX011014.D

Acq: 19 Jul 2019 19:45

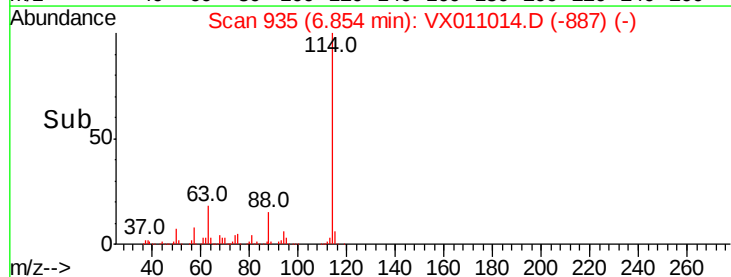
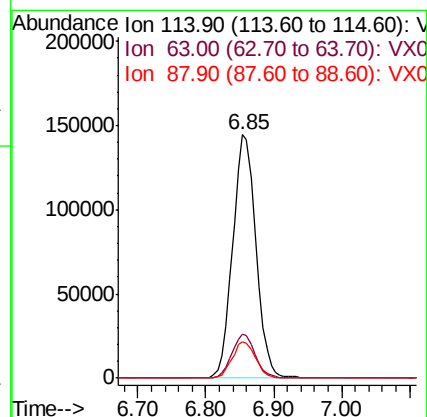
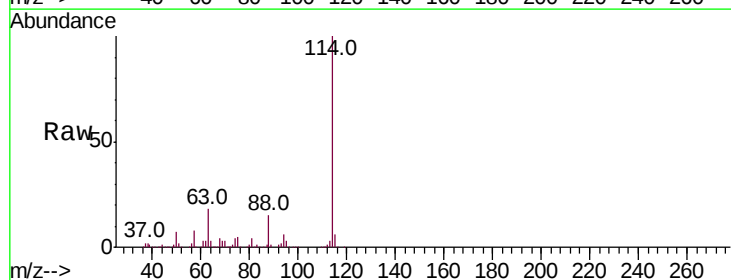
Tgt Ion: 114 Resp: 342264

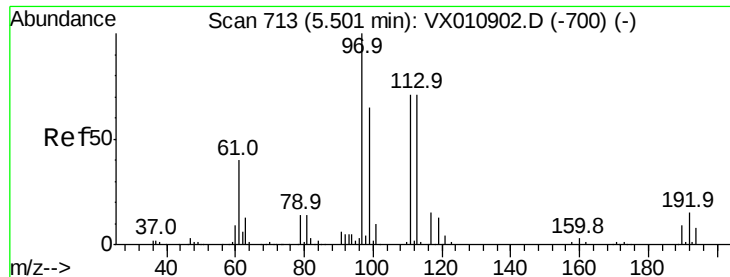
Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.6

88 14.9 0.0 29.8





#35

Dibromofluoromethane

Concen: 47.409 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011014.D

Acq: 19 Jul 2019 19:45

Instrument :

MSVOA_X

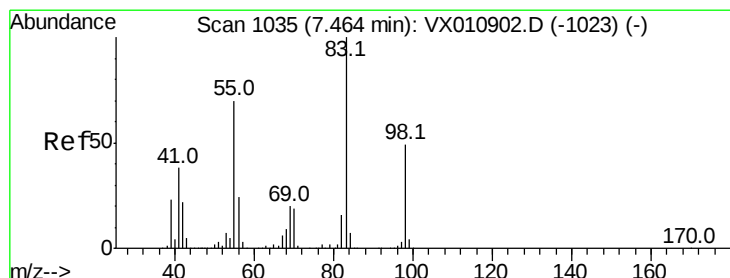
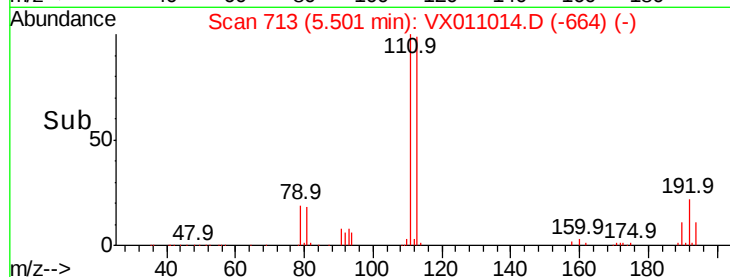
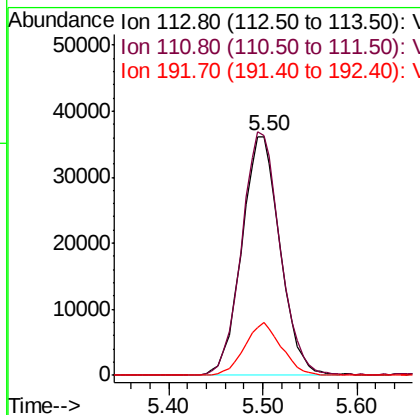
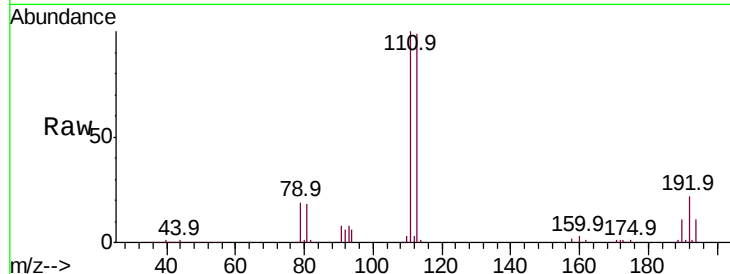
ClientSampleId :

FL-0608DL

Tot Ion:	113	Resp:	102993
Ion Ratio	Lower	Upper	
113	100		
111	102.5	82.3	123.5
192	21.1	17.4	26.2

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#39

Methylcyclohexane

Concen: 21.747 ug/l

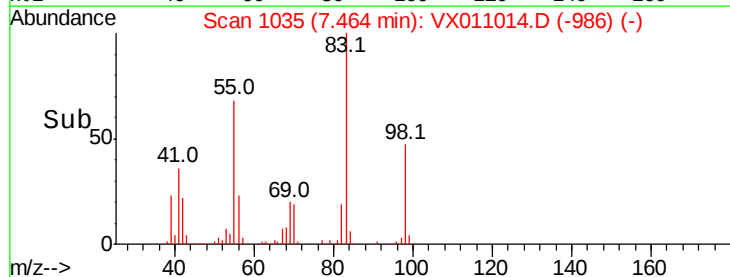
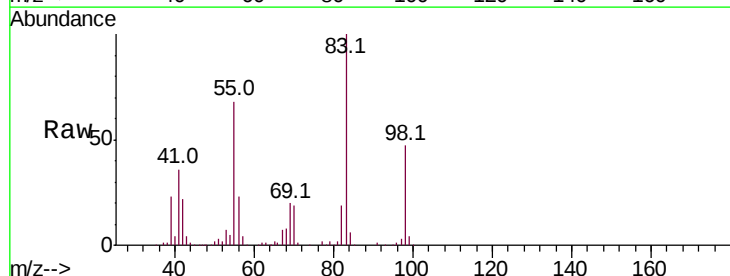
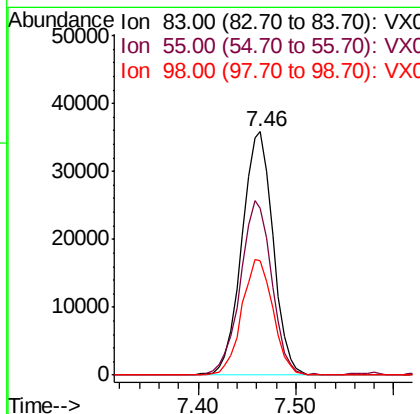
RT: 7.46 min Scan# 1035

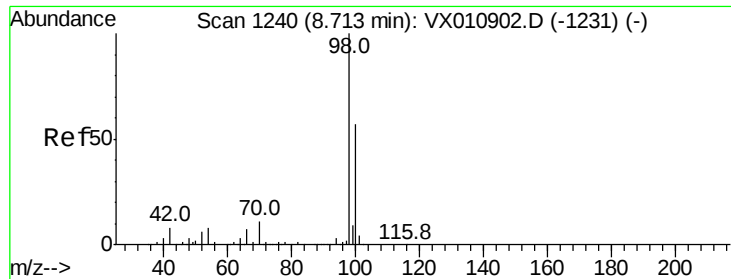
Delta R.T. -0.00 min

Lab File: VX011014.D

Acq: 19 Jul 2019 19:45

Tgt Ion:	83	Resp:	79285
Ion Ratio	Lower	Upper	
83	100		
55	68.3	56.2	84.4
98	46.8	39.0	58.4





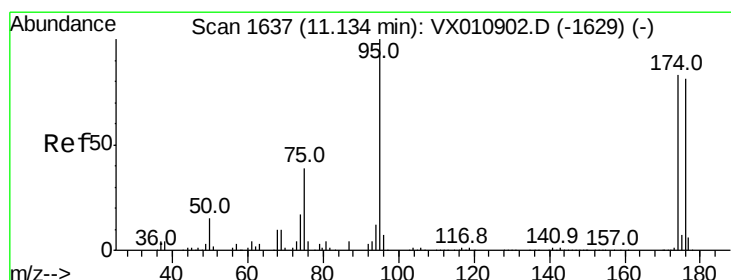
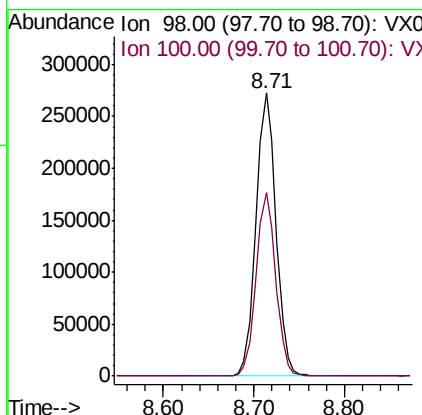
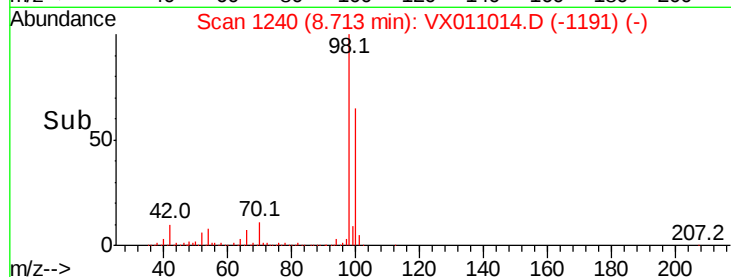
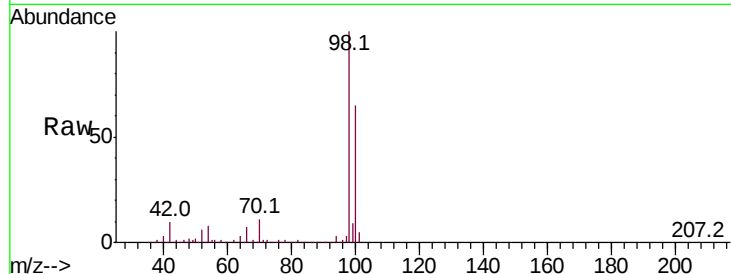
#50
Toluene-d8
Concen: 51.132 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011014.D
Acq: 19 Jul 2019 19:45

Instrument :
MSVOA_X
ClientSampleId :
FL-0608DL

Tot Ion: 98 Resp: 416624
Ion Ratio Lower Upper
98 100
100 63.8 50.6 75.8

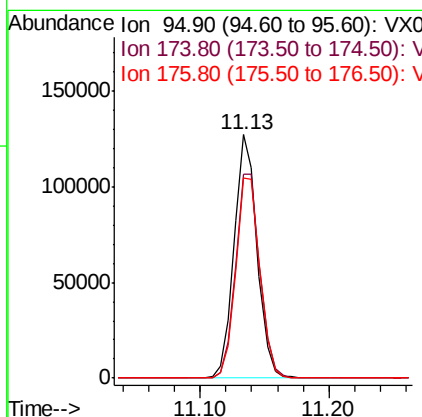
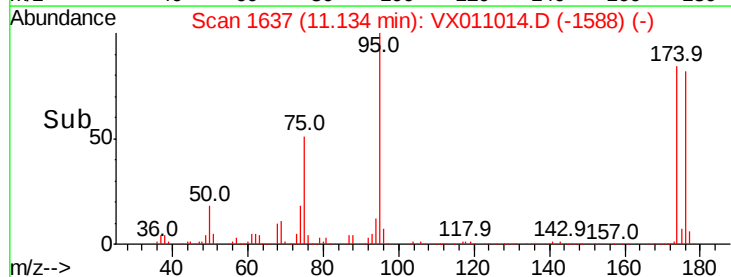
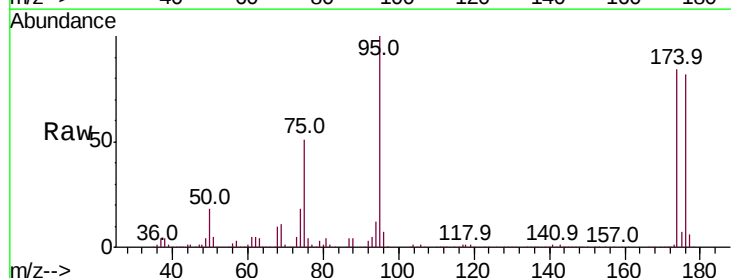
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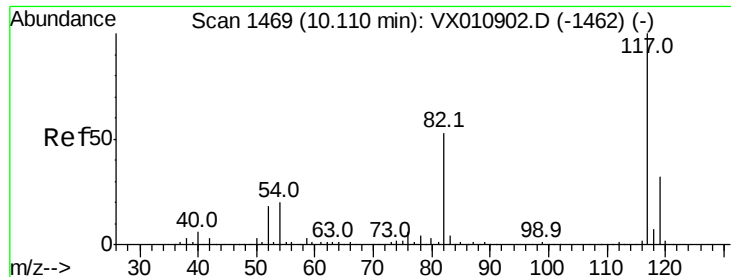
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#62
4-Bromofluorobenzene
Concen: 53.055 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011014.D
Acq: 19 Jul 2019 19:45

Tgt Ion: 95 Resp: 158898
Ion Ratio Lower Upper
95 100
174 88.3 0.0 180.6
176 86.3 0.0 173.8





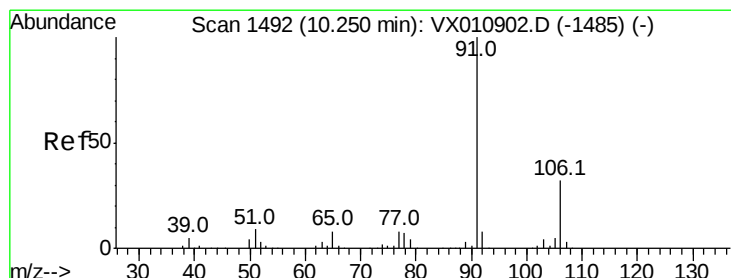
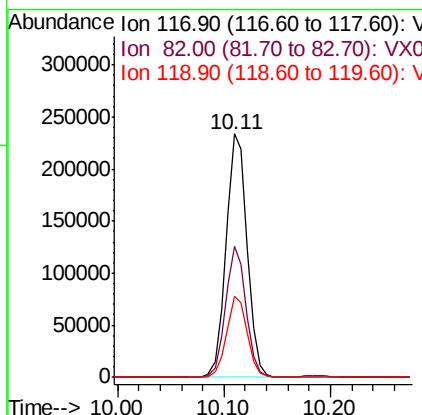
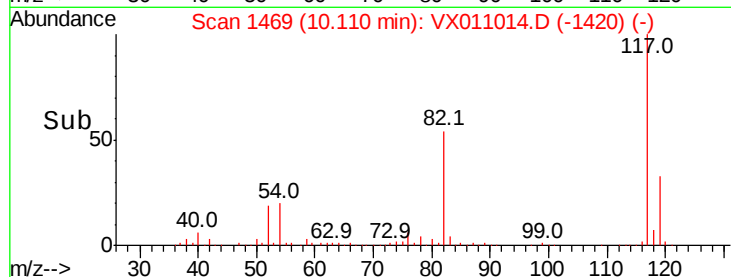
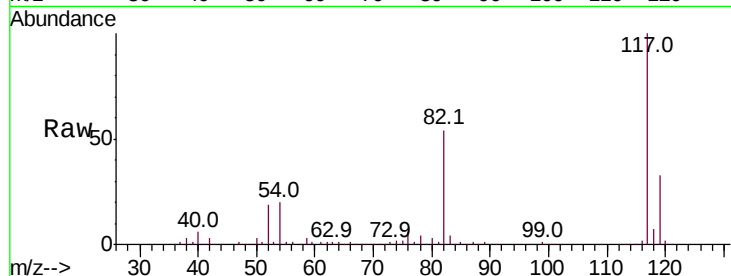
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011014.D
Acq: 19 Jul 2019 19:45

Instrument :
MSVOA_X
ClientSampled :
FL-0608DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	42.6	63.8
119	33.1	25.9	38.9

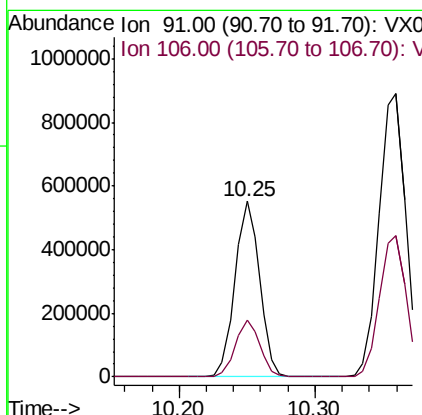
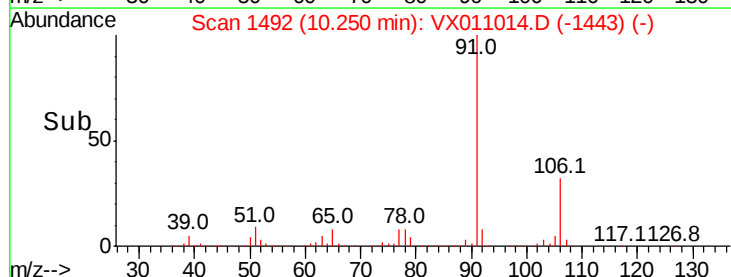
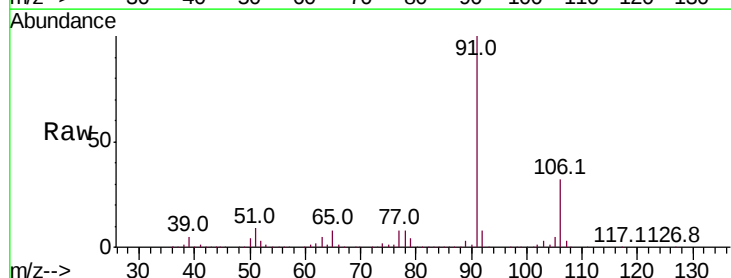
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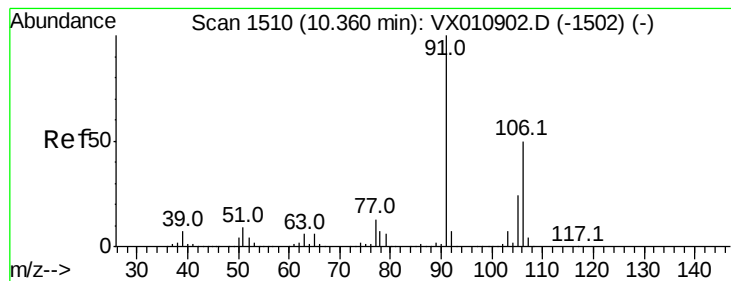
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#67
Ethyl Benzene
Concen: 61.612 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. -0.00 min
Lab File: VX011014.D
Acq: 19 Jul 2019 19:45

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.4	38.2





#68

m/p-Xvlenes

Concen: 140.053 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX011014.D

Acq: 19 Jul 2019 19:45

Instrument :

MSVOA_X

ClientSampled :

FL-0608DL

Tot Ion:106 Resp: 608005

Ion Ratio Lower Upper

106 100

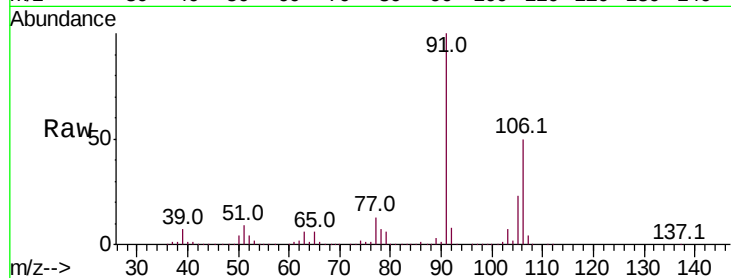
91 200.2 160.1 240.1

Manual Integrations

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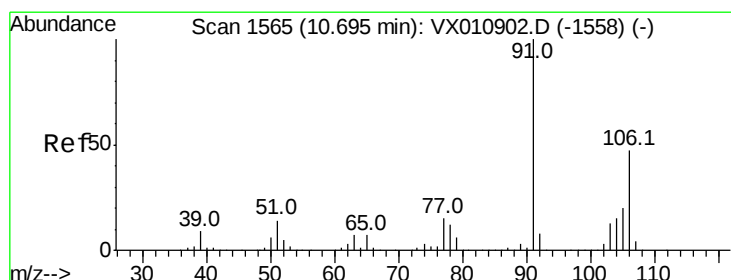
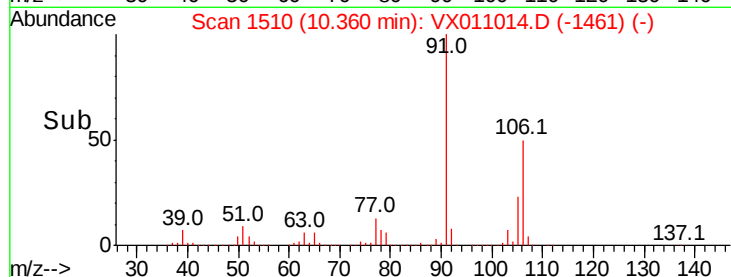
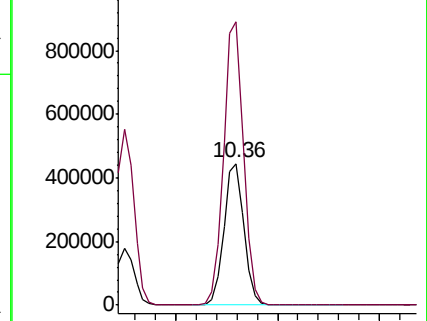
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 45.172 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VX011014.D

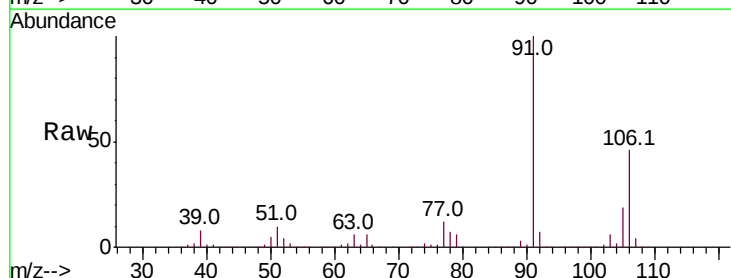
Acq: 19 Jul 2019 19:45

Tgt Ion:106 Resp: 191385

Ion Ratio Lower Upper

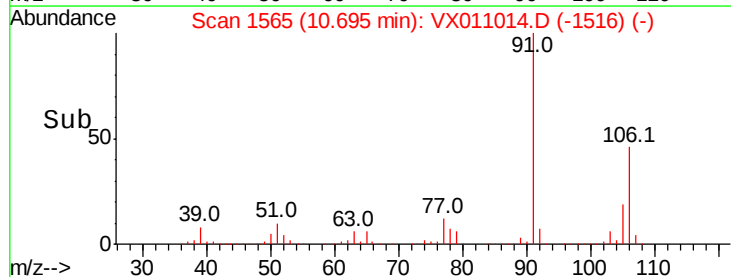
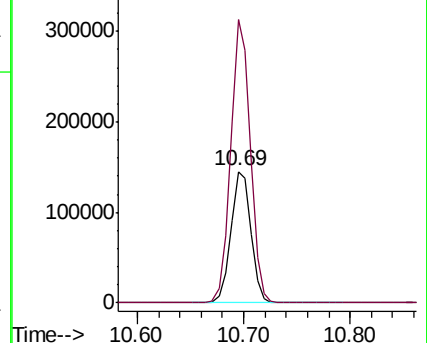
106 100

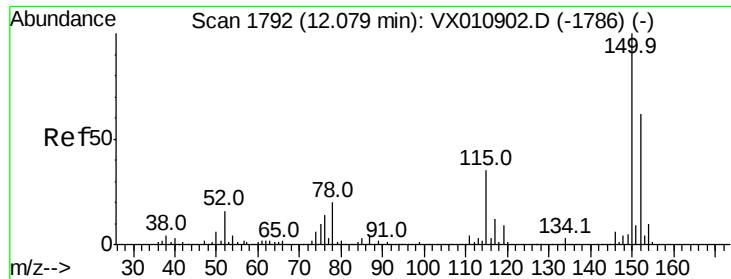
91 210.9 105.1 315.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011014.D

Acq: 19 Jul 2019 19:45

Instrument :

MSVOA_X

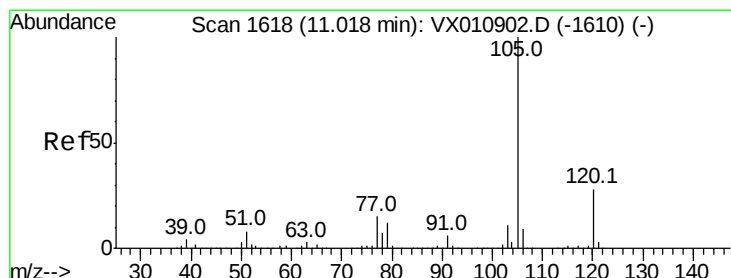
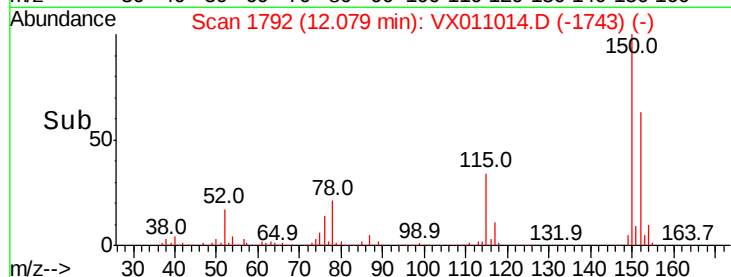
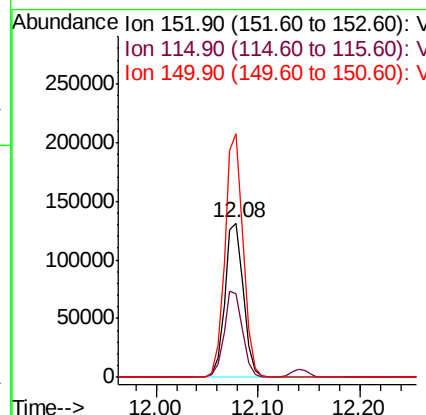
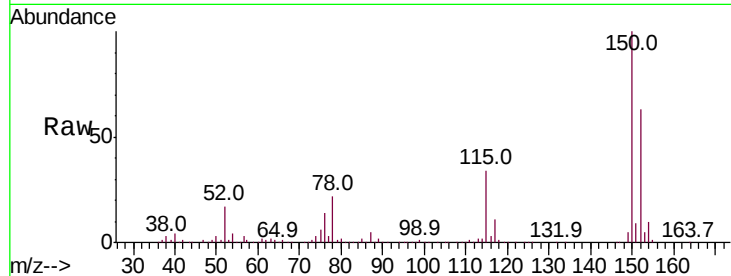
ClientSampled :

FL-0608DL

Tot Ion:	152	Resp:	166587
Ion Ratio	Lower	Upper	
152	100		
115	55.5	39.7	119.1
150	155.4	0.0	345.6

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#73

Isopropylbenzene

Concen: 4.384 ug/l

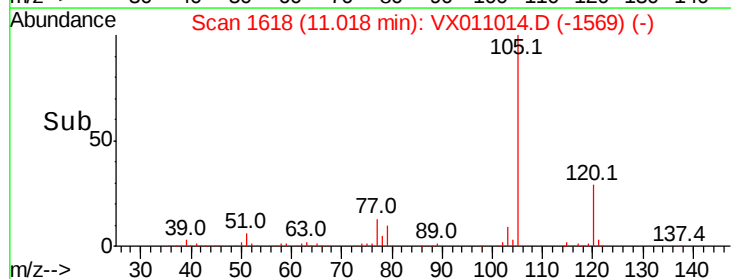
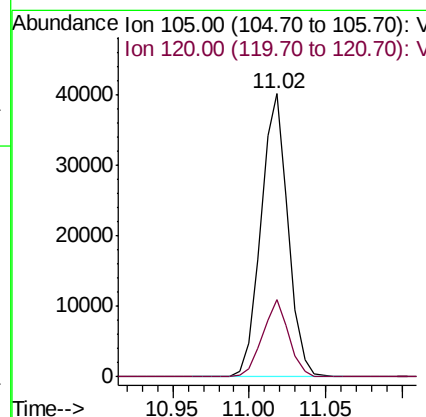
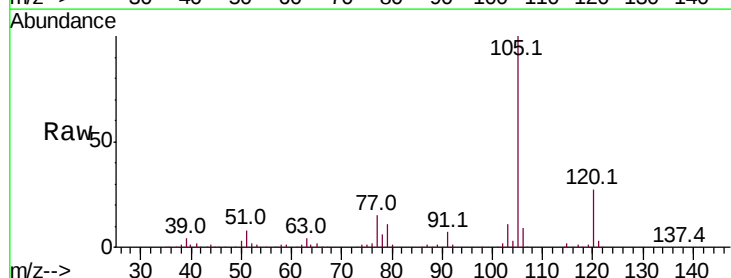
RT: 11.02 min Scan# 1618

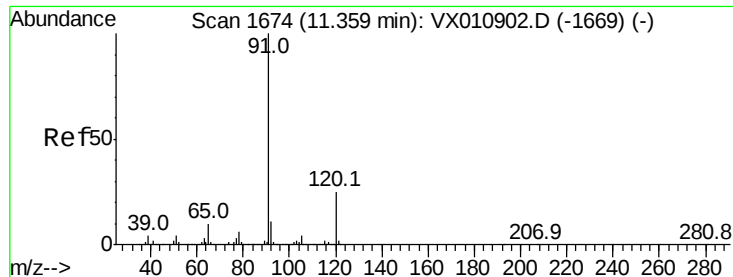
Delta R.T. -0.00 min

Lab File: VX011014.D

Acq: 19 Jul 2019 19:45

Tgt Ion:	105	Resp:	49353
Ion Ratio	Lower	Upper	
105	100		
120	26.7	13.7	41.1





#78

n-propylbenzene

Concen: 5.622 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011014.D

Acq: 19 Jul 2019 19:45

Instrument :

MSVOA_X

ClientSampleId :

FL-0608DL

Tot Ion: 91 Resp: 69918

Ion Ratio Lower Upper

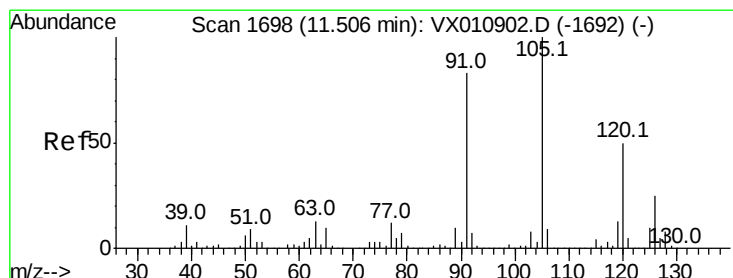
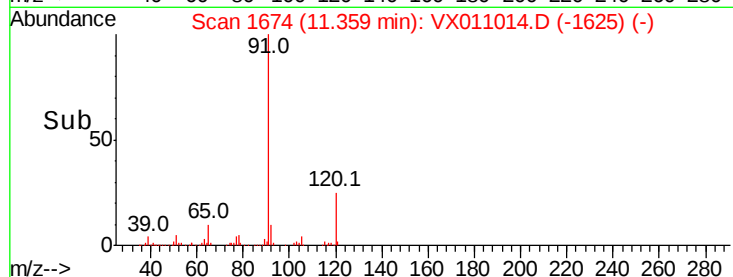
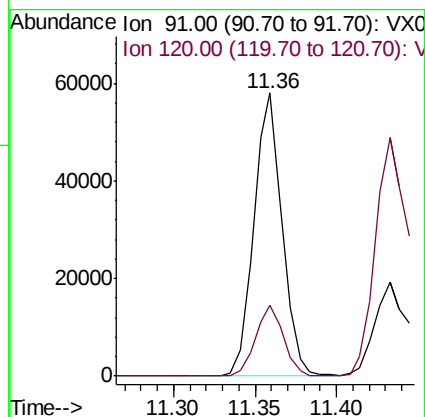
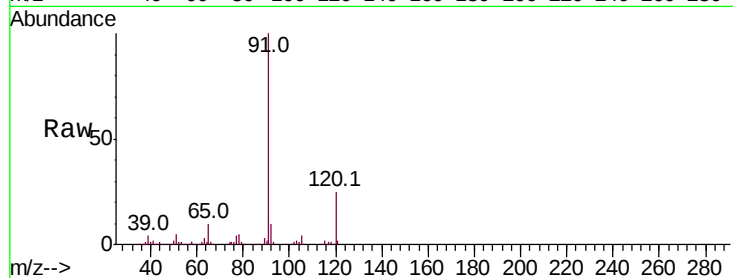
91 100

120 24.7 12.3 36.8

Manual Integrations
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#80

1,3,5-Trimethylbenzene

Concen: 13.212 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011014.D

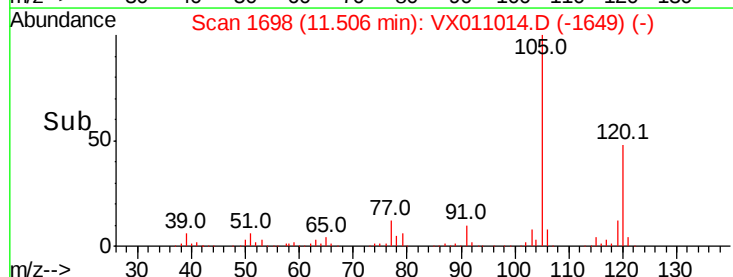
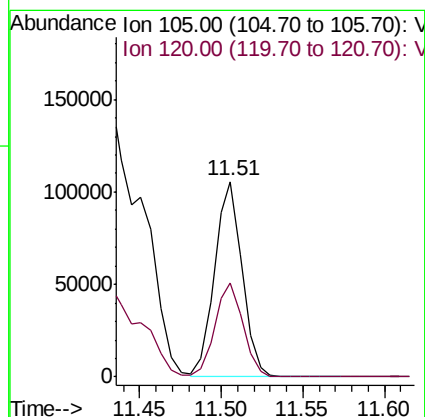
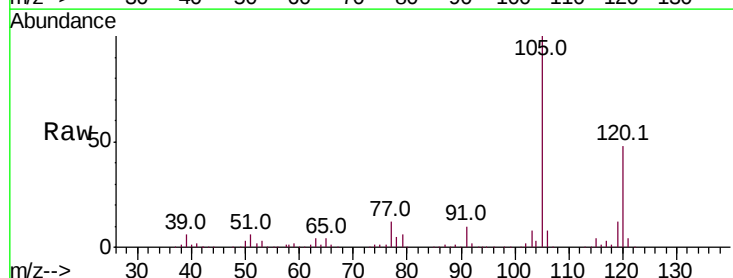
Acq: 19 Jul 2019 19:45

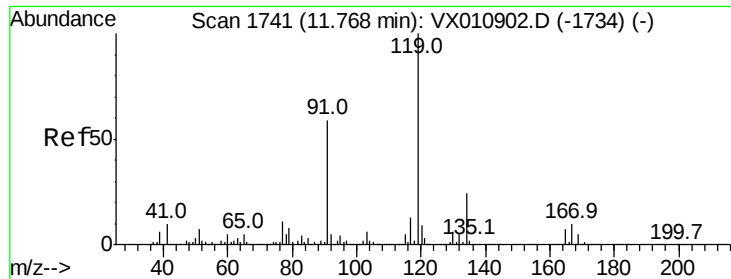
Tgt Ion: 105 Resp: 124273

Ion Ratio Lower Upper

105 100

120 49.5 24.6 73.8





#83

tert-Butylbenzene

Concen: 0.367 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX011014.D

Acq: 19 Jul 2019 19:45

Instrument :

MSVOA_X

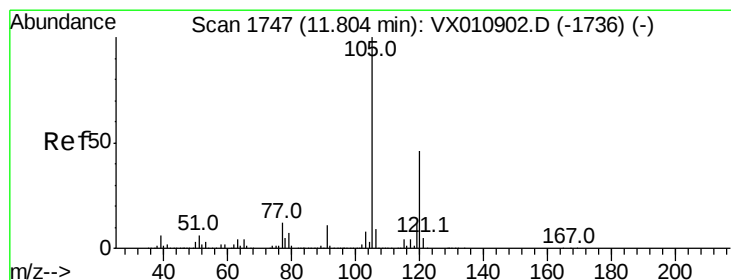
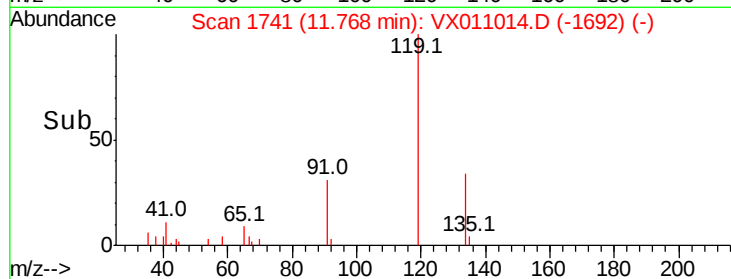
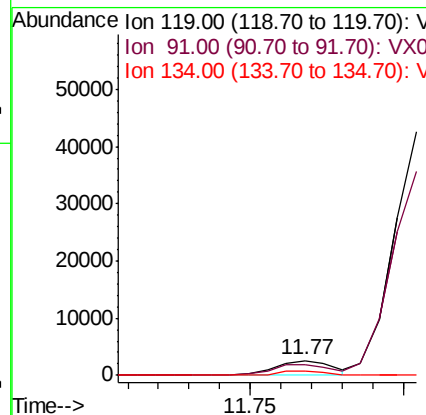
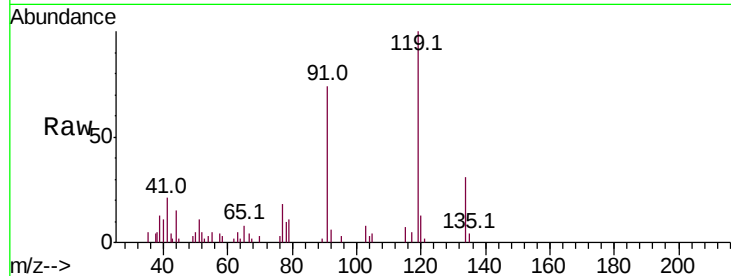
ClientSampled :

FL-0608DL

Tot Ion:	119	Resp:	3389
Ion Ratio	Lower	Upper	
119	100		
91	72.6	28.6	85.8
134	27.6	11.6	34.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 42.063 ug/l

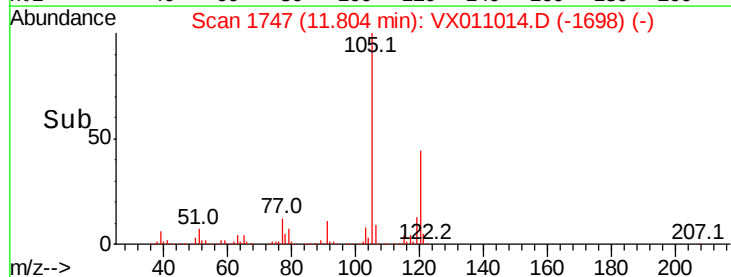
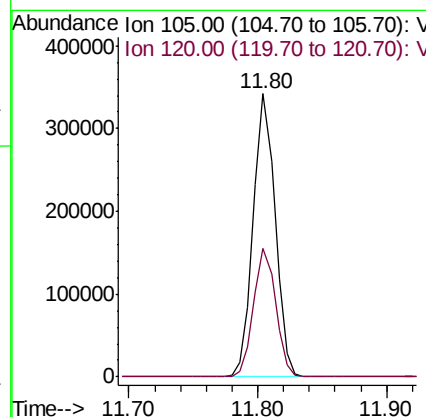
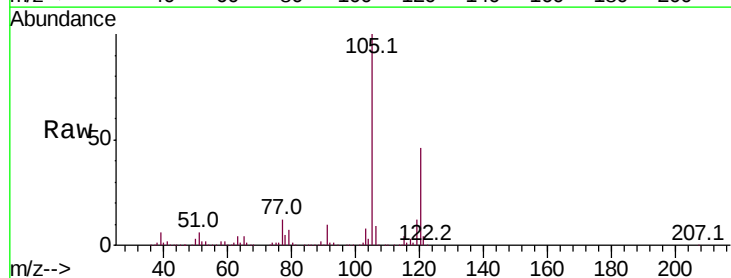
RT: 11.80 min Scan# 1747

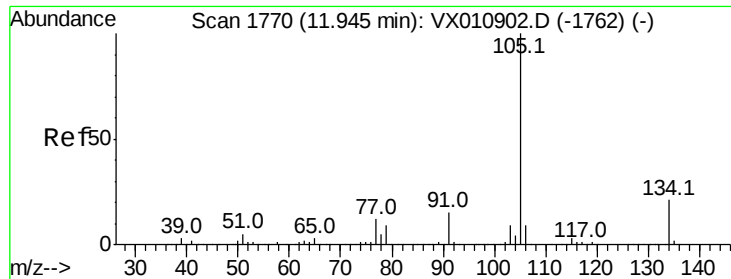
Delta R.T. -0.00 min

Lab File: VX011014.D

Acq: 19 Jul 2019 19:45

Tgt Ion:	105	Resp:	398763
Ion Ratio	Lower	Upper	
105	100		
120	46.1	22.9	68.5





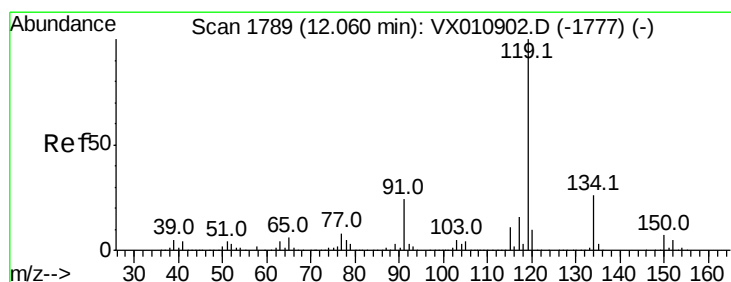
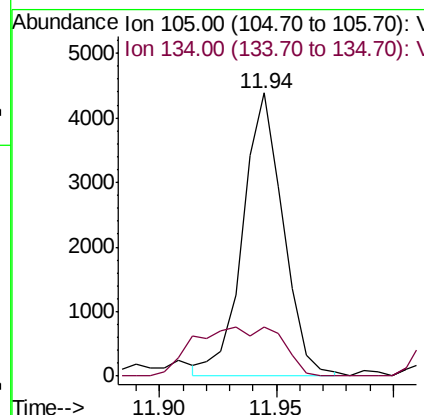
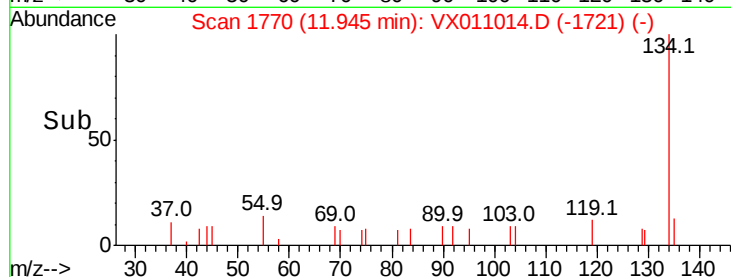
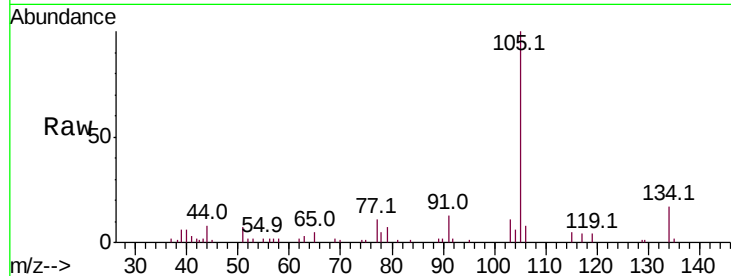
#85
 sec-Butylbenzene
 Concen: 0.489 ug/l m
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX011014.D
 Acq: 19 Jul 2019 19:45

Instrument :
 MSVOA_X
 ClientSampleID :
 FL-0608DL

Tot Ion:105 Resp: 5292
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.4#

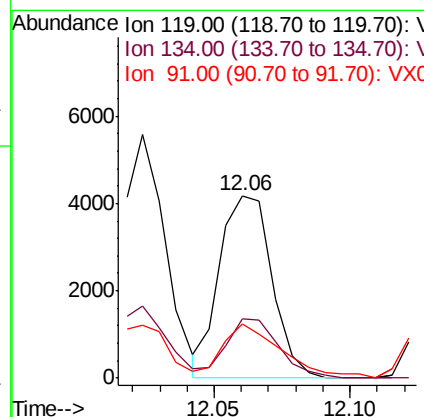
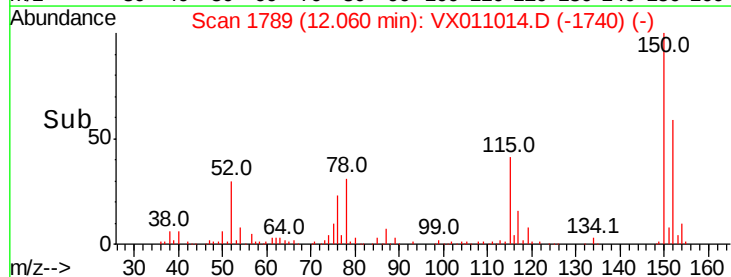
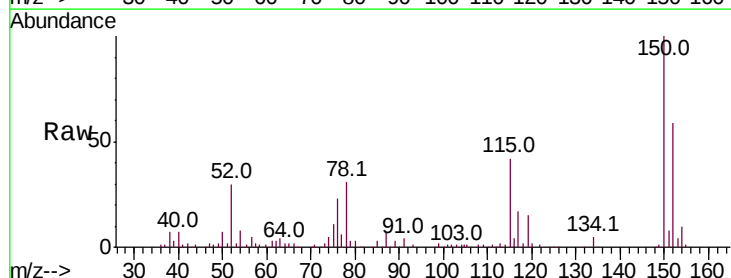
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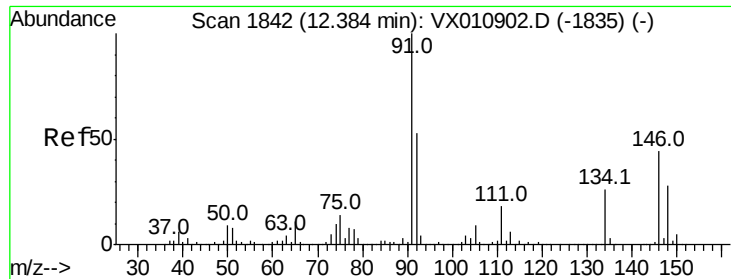
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 7/22/2019 5:24:05 PM



#86
 p-Isopropyltoluene
 Concen: 0.560 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX011014.D
 Acq: 19 Jul 2019 19:45

Tgt Ion:119 Resp: 5606
 Ion Ratio Lower Upper
 119 100
 134 33.2 13.4 40.1
 91 33.8 11.8 35.4





#89

n-Butylbenzene

Concen: 1.026 ug/l

RT: 12.38 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX011014.D

Acq: 19 Jul 2019 19:45

Instrument :

MSVOA_X

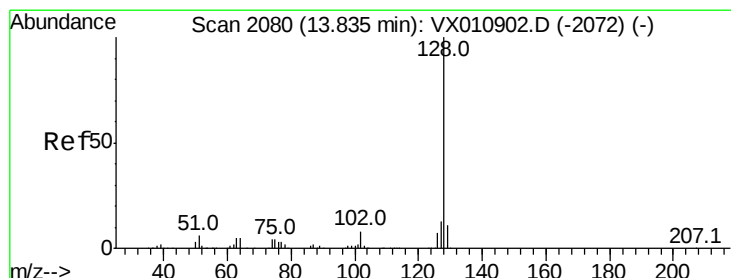
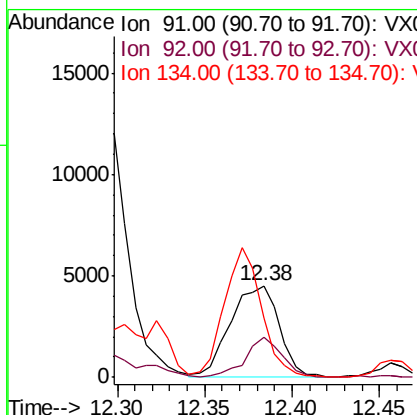
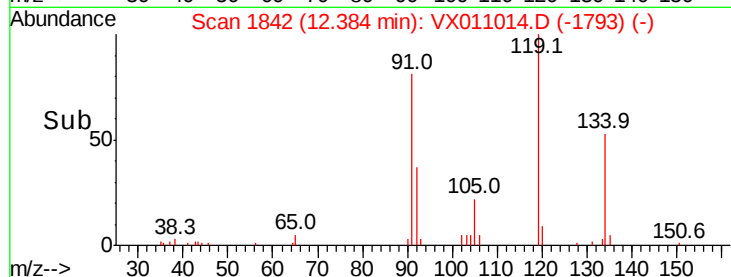
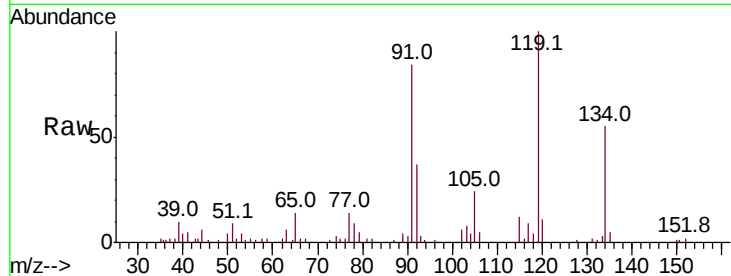
ClientSampled :

FL-0608DL

Tot Ion:	91	Resp:	8785
Ion Ratio	Lower	Upper	
91	100		
92	32.6	26.2	78.5
134	108.4	13.8	41.3#

Manual Integrations
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#95

Naphthalene

Concen: 20.506 ug/l

RT: 13.83 min Scan# 2079

Delta R.T. -0.01 min

Lab File: VX011014.D

Acq: 19 Jul 2019 19:45

Tgt Ion:	128	Resp:	219148
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.4	15.6
129	11.1	8.9	13.3

