

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\
 Data File : VX011001.D
 Acq On : 19 Jul 2019 14:41
 Operator : JC/SP
 Sample : K3884-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0613

Manual Integrations
 APPROVED

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 7/22/2019 5:23:00 PM

Quant Time: Jul 20 01:32:31 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	224670	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	354783	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	330010	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	170186	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	119011	49.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.58%	
35) Dibromofluoromethane	5.50	113	109181	48.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.96%	
50) Toluene-d8	8.71	98	425903	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
62) 4-Bromofluorobenzene	11.13	95	159572	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	

Target Compounds

						Qvalue
16) Acetone	2.44	43	1684m	1.560	ug/l	
31) Cyclohexane	5.59	56	462307	142.456	ug/l	99
39) Methylcyclohexane	7.46	83	240841	63.728	ug/l	98
67) Ethyl Benzene	10.25	91	1243916	107.818	ug/l	100
68) m/p-Xylenes	10.36	106	790682	178.662	ug/l	100
69) o-Xylene	10.69	106	594218	137.578	ug/l	98
73) Isopropylbenzene	11.02	105	289248	25.153	ug/l	100
78) n-propylbenzene	11.36	91	171645	13.509	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	255612	26.601	ug/l	100
83) tert-Butylbenzene	11.77	119	14279	1.513	ug/l	95
84) 1,2,4-Trimethylbenzene	11.80	105	453683	46.845	ug/l	99
85) sec-Butylbenzene	11.94	105	59379	5.369	ug/l	94
86) p-Isopropyltoluene	12.06	119	32518	3.180	ug/l	99
89) n-Butylbenzene	12.38	91	32210	3.682	ug/l #	28
95) Naphthalene	13.83	128	605004	55.415	ug/l	99

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

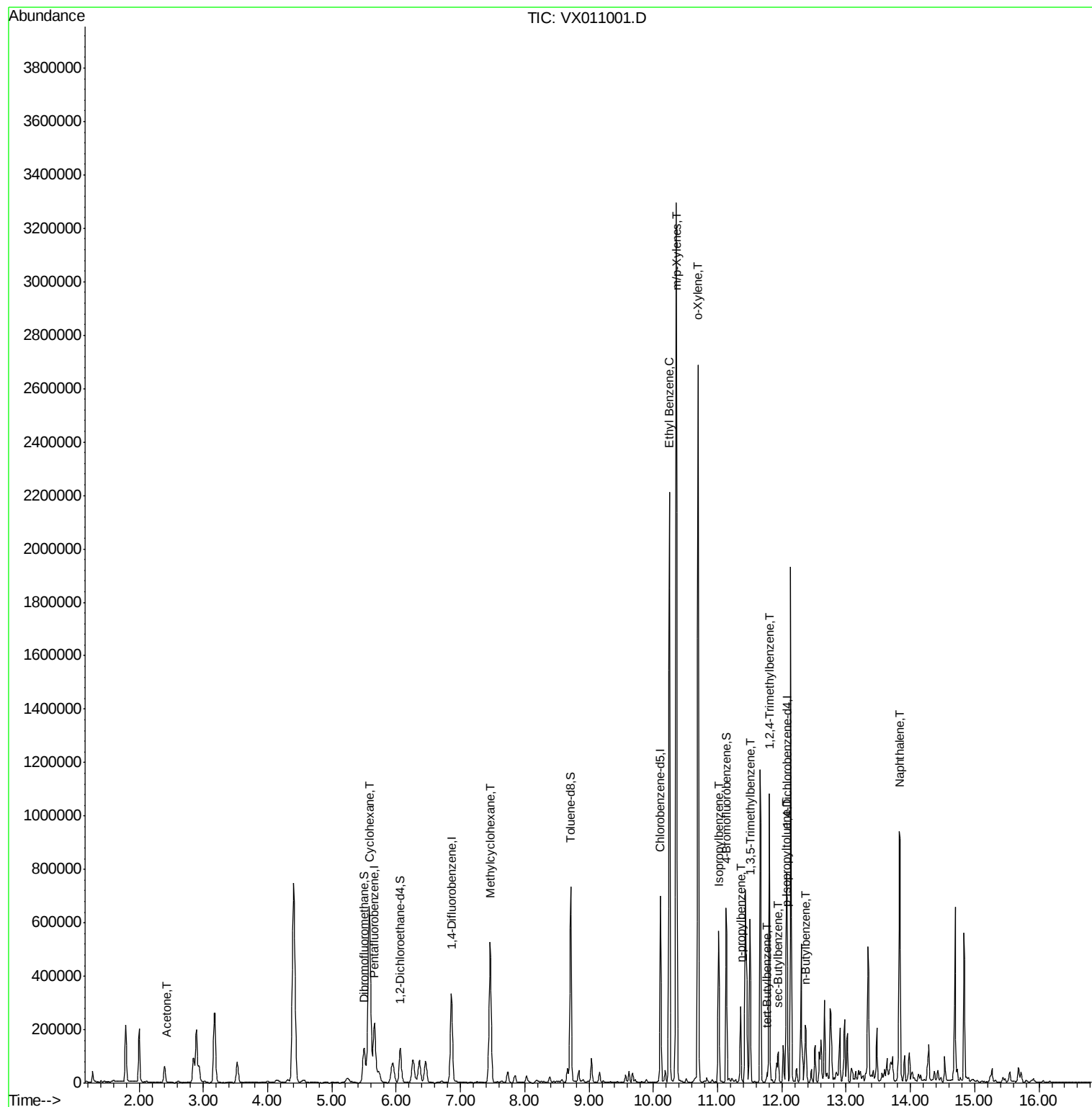
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072019\
Data File : VX011001.D
Acq On : 19 Jul 2019 14:41
Operator : JC/SP
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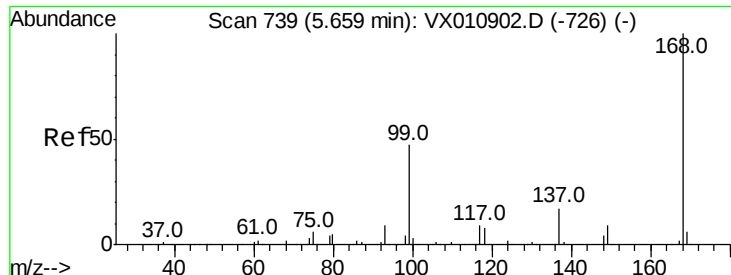
Instrument :
MSVOA_X
ClientSampleId :
FL-0613

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Quant Time: Jul 20 01:32:31 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

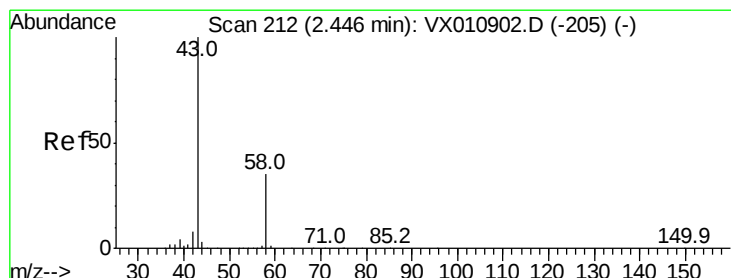
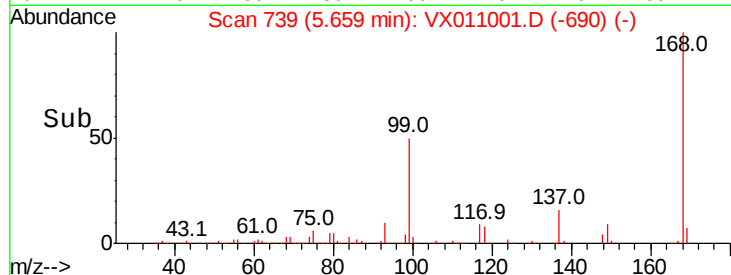
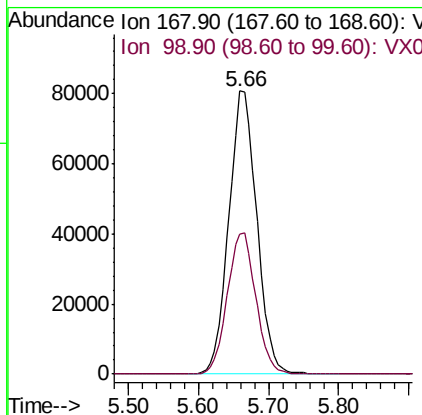
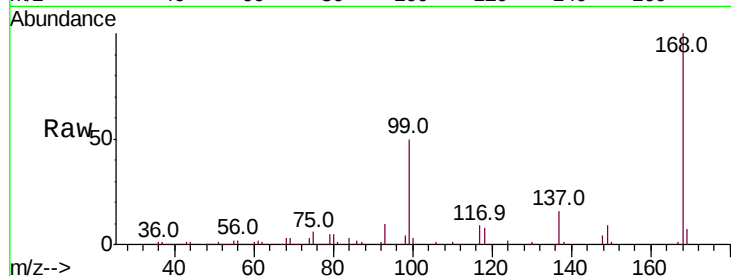
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VX011001.D
 Acq: 19 Jul 2019 14:41

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0613

Tot Ion	Ratio	Resp	Lower	Upper
168	100	224670		
99	49.5		37.6	56.4

Manual Integrations
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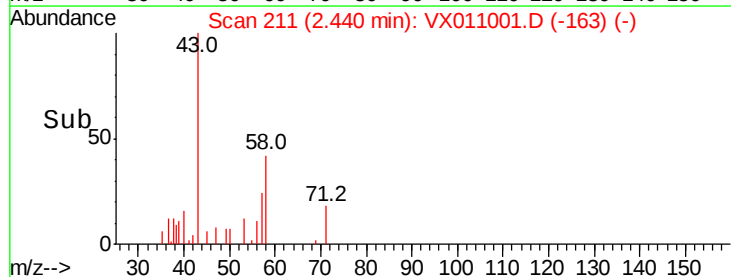
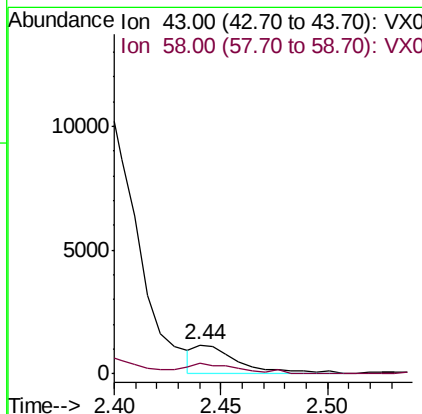
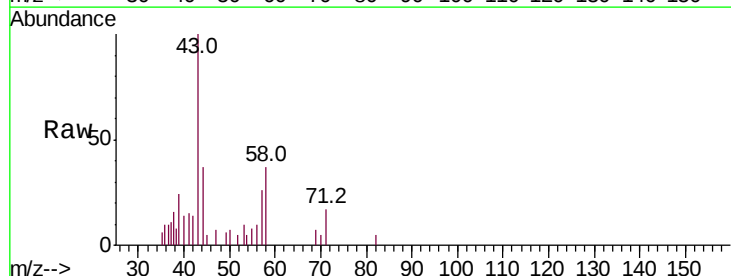
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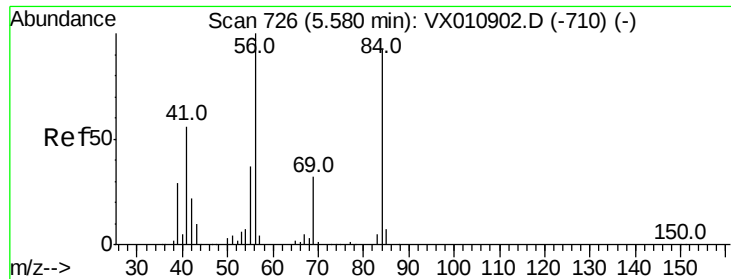


#16

Acetone
 Concen: 1.560 ug/l m
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX011001.D
 Acq: 19 Jul 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	1684		
58	37.4		27.7	41.5





#31

Cyclohexane

Concen: 142.456 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX011001.D

Acq: 19 Jul 2019 14:41

Instrument :

MSVOA_X

ClientSampleId :

FL-0613

Tot Ion: 56 Resp: 462307

Ion Ratio Lower Upper

56 100

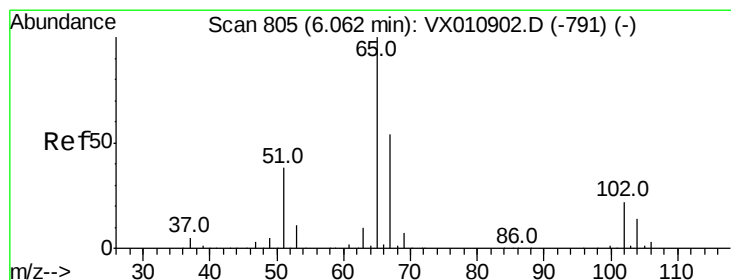
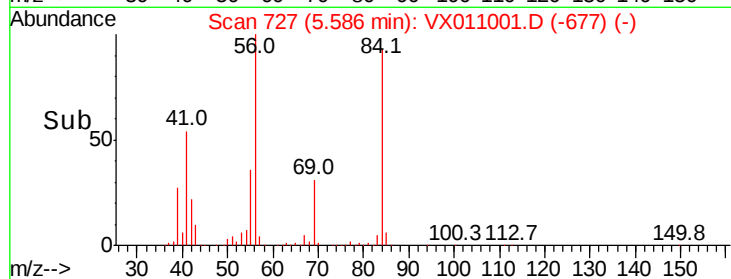
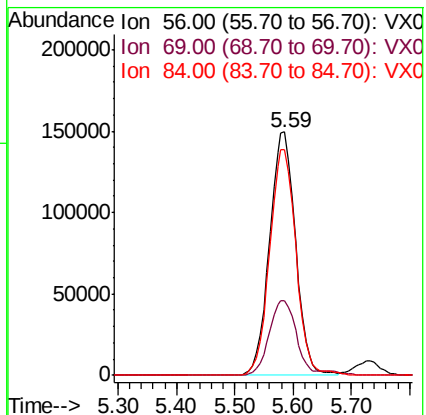
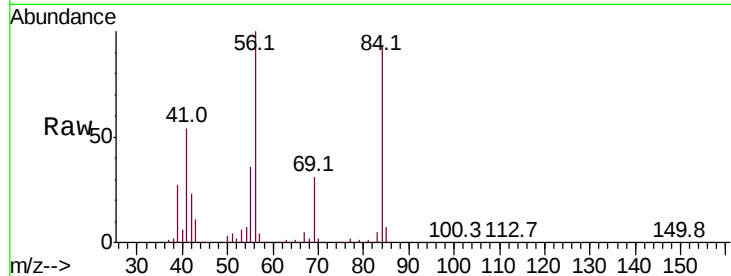
69 30.6 25.8 38.8

84 92.9 73.8 110.6

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#33

1,2-Dichloroethane-d4

Concen: 49.792 ug/l

RT: 6.06 min Scan# 805

Delta R.T. -0.00 min

Lab File: VX011001.D

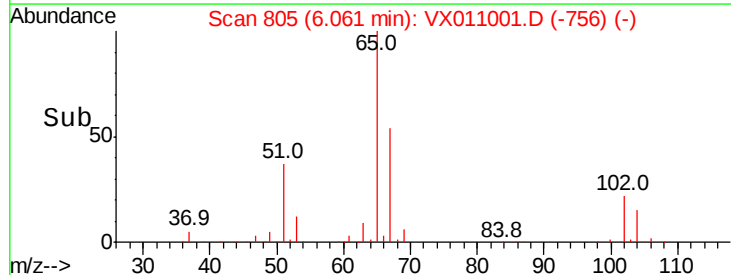
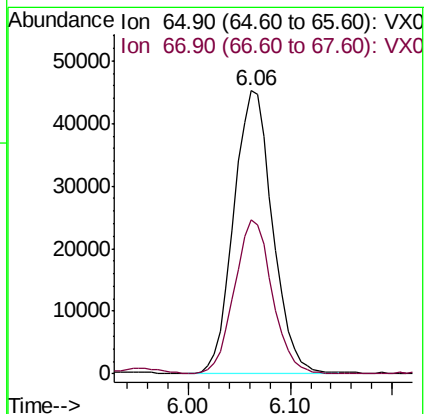
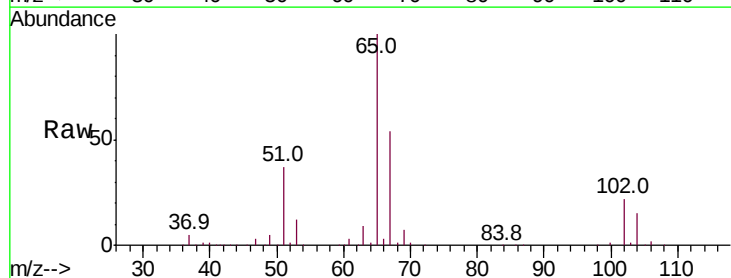
Acq: 19 Jul 2019 14:41

Tgt Ion: 65 Resp: 119011

Ion Ratio Lower Upper

65 100

67 52.5 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: VX011001.D

Acq: 19 Jul 2019 14:41

Instrument :

MSVOA_X

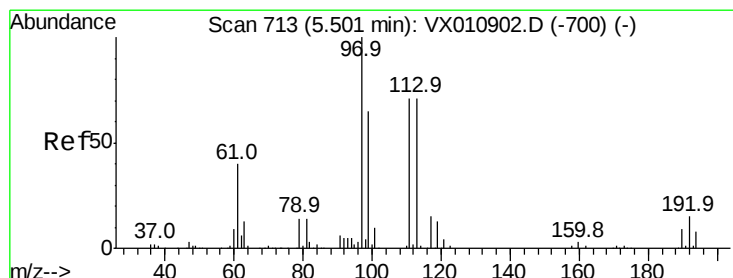
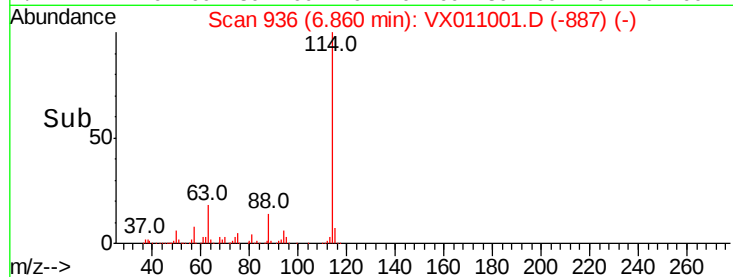
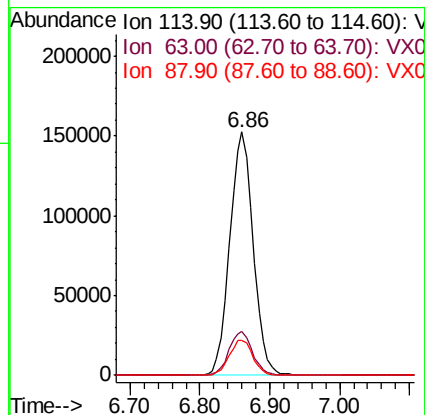
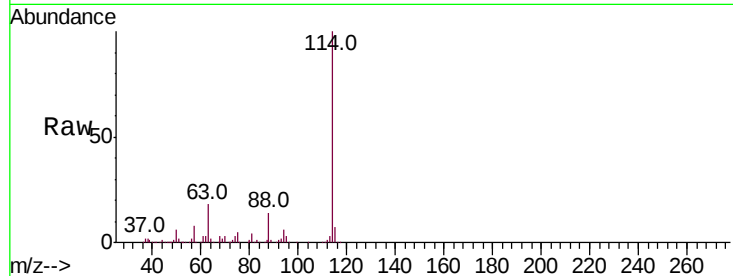
ClientSampleId :

FL-0613

Tot Ion:	114	Resp:	354783
Ion Ratio	Lower	Upper	
114	100		
63	18.1	0.0	35.6
88	14.4	0.0	29.8

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#35

Dibromofluoromethane

Concen: 48.484 ug/l

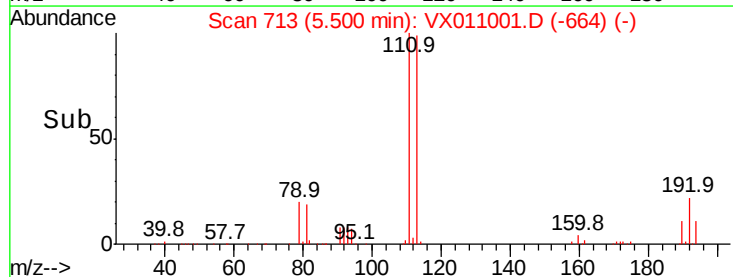
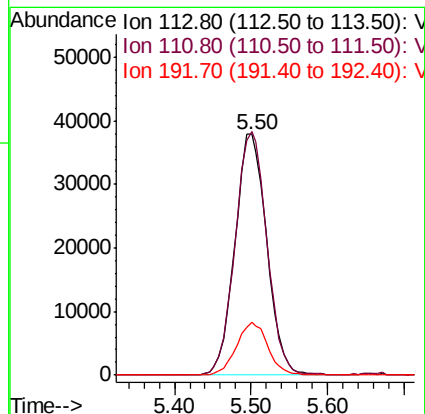
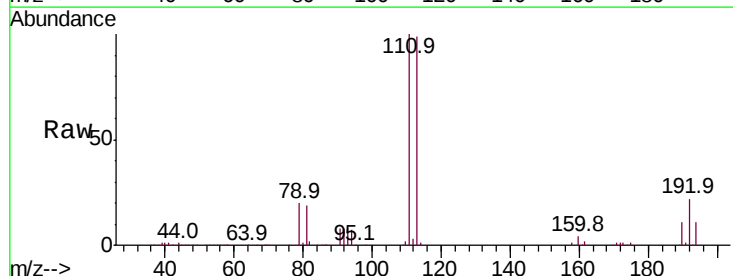
RT: 5.50 min Scan# 713

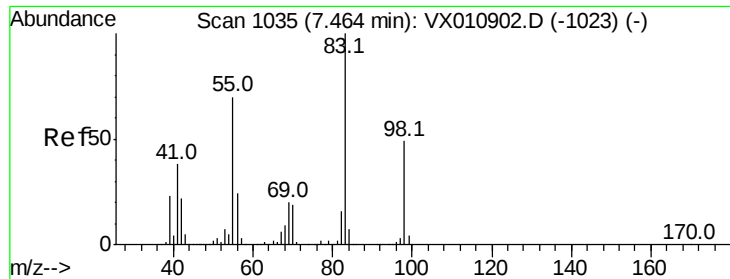
Delta R.T. -0.00 min

Lab File: VX011001.D

Acq: 19 Jul 2019 14:41

Tgt Ion:	113	Resp:	109181
Ion Ratio	Lower	Upper	
113	100		
111	101.2	82.3	123.5
192	21.5	17.4	26.2





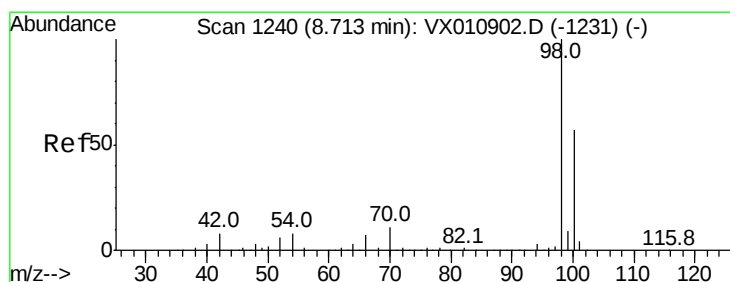
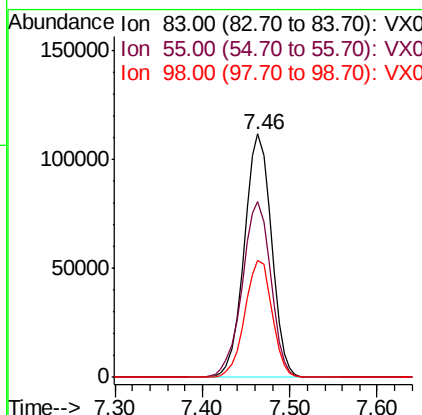
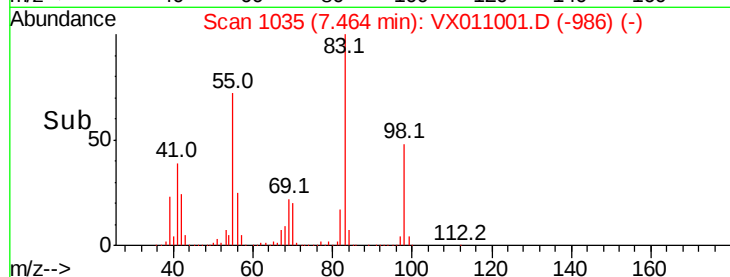
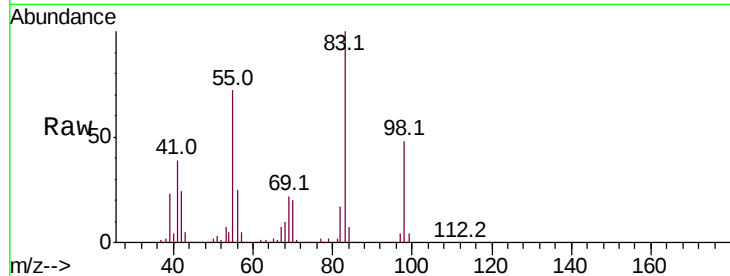
#39
Methvlcvclohexane
Concen: 63.728 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. -0.00 min
Lab File: VX011001.D
Acq: 19 Jul 2019 14:41

Instrument :
MSVOA_X
ClientSampled :
FL-0613

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.1	56.2	84.4
98	48.1	39.0	58.4

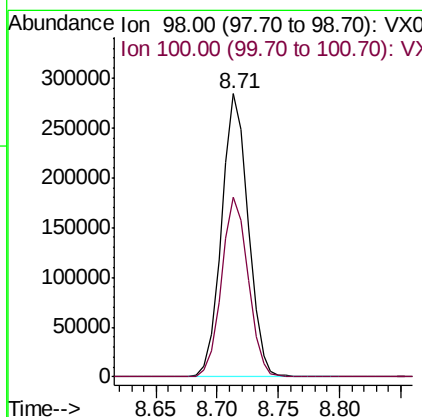
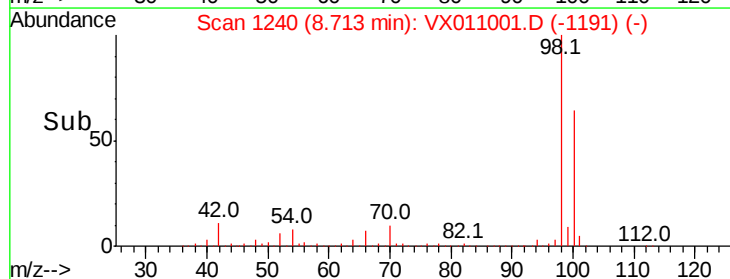
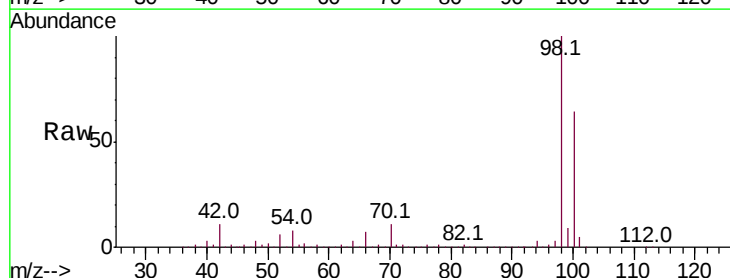
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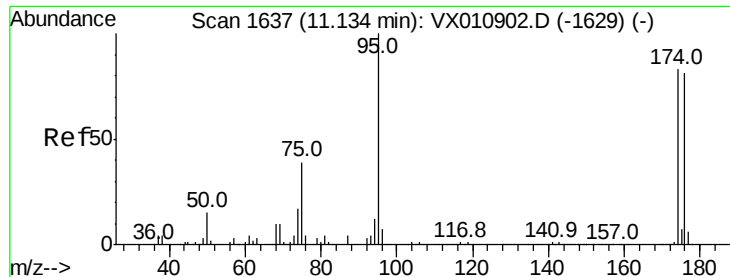
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#50
Toluene-d8
Concen: 50.427 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011001.D
Acq: 19 Jul 2019 14:41

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	50.6	75.8





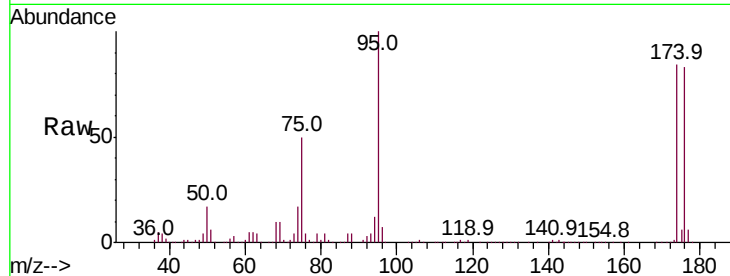
#62
4-Bromofluorobenzene
Concen: 51.400 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX011001.D
Acq: 19 Jul 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
FL-0613

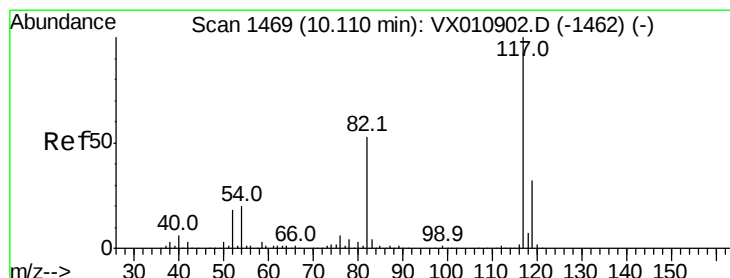
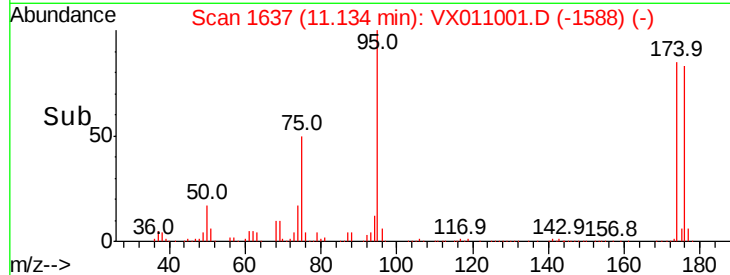
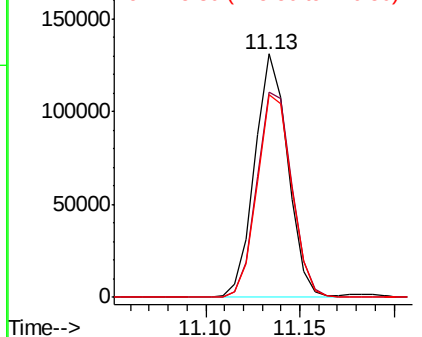
Tot Ion	Ratio	Resp	Lower	Upper
95	100	159572		
174	89.8	0.0	180.6	
176	87.3	0.0	173.8	

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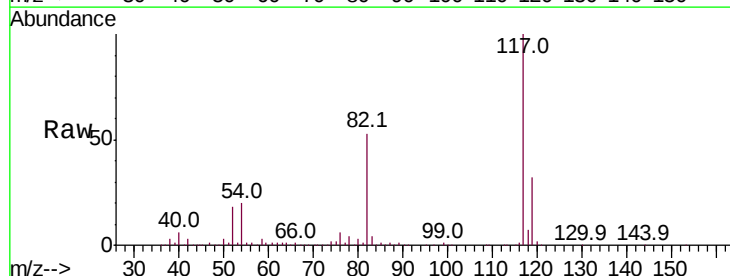


Abundance Ion 94.90 (94.60 to 95.60): VX010902.D (-1629) (-)
Ion 173.80 (173.50 to 174.50): VX010902.D (-1629) (-)
Ion 175.80 (175.50 to 176.50): VX010902.D (-1629) (-)

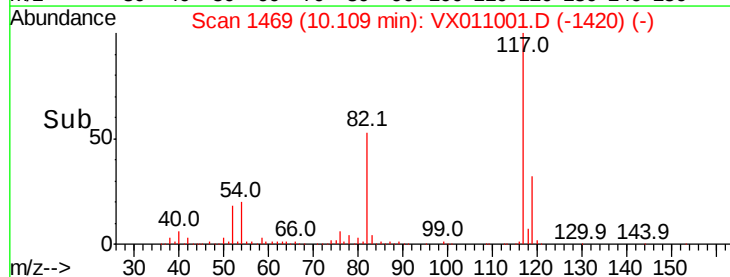
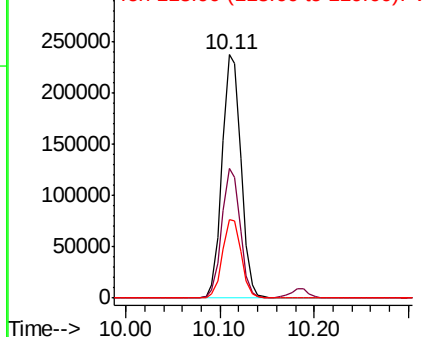


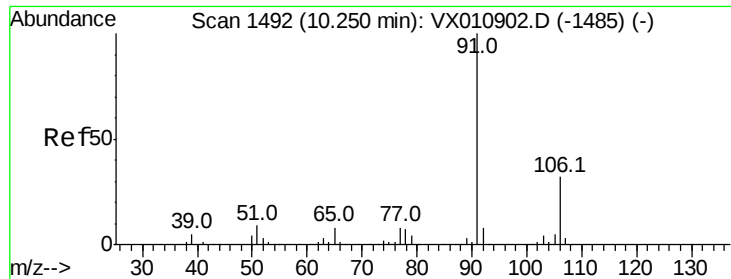
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX011001.D
Acq: 19 Jul 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	330010		
82	53.1	42.6	63.8	
119	32.3	25.9	38.9	



Abundance Ion 116.90 (116.60 to 117.60): VX010902.D (-1462) (-)
Ion 82.00 (81.70 to 82.70): VX010902.D (-1462) (-)
Ion 118.90 (118.60 to 119.60): VX010902.D (-1462) (-)





#67

Ethyl Benzene

Concen: 107.818 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011001.D

Acq: 19 Jul 2019 14:41

Instrument :

MSVOA_X

ClientSampled :

FL-0613

Tot Ion: 91 Resp: 1243916

Ion Ratio Lower Upper

91 100

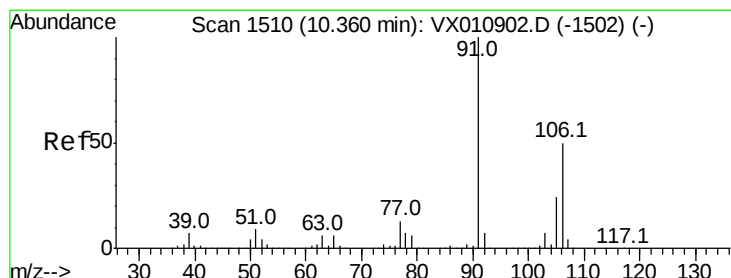
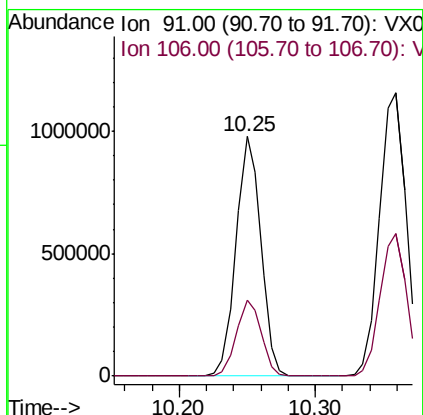
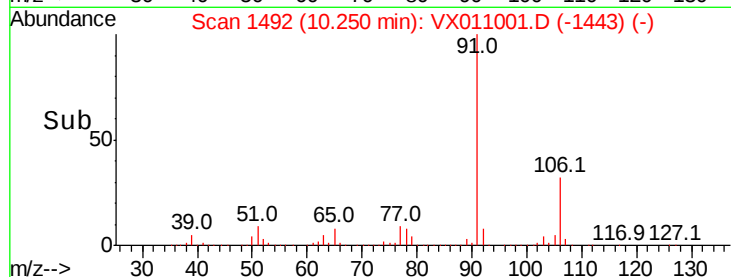
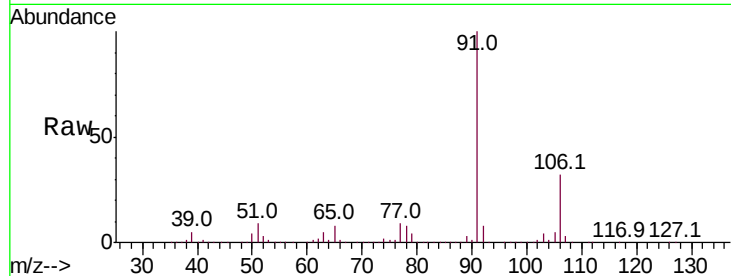
106 31.9 25.4 38.2

Manual Integrations

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#68

m/p-Xylenes

Concen: 178.662 ug/l

RT: 10.36 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VX011001.D

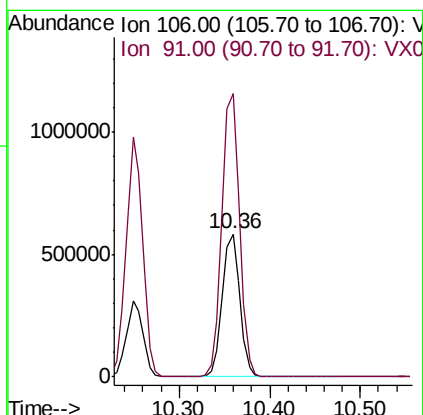
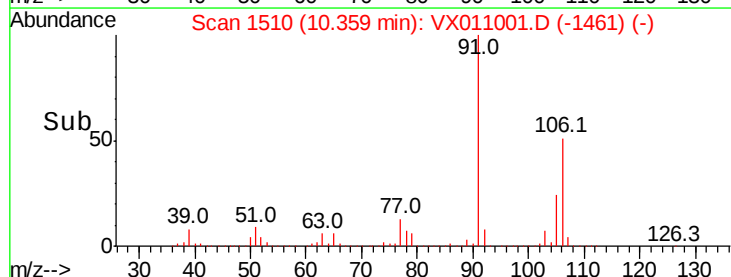
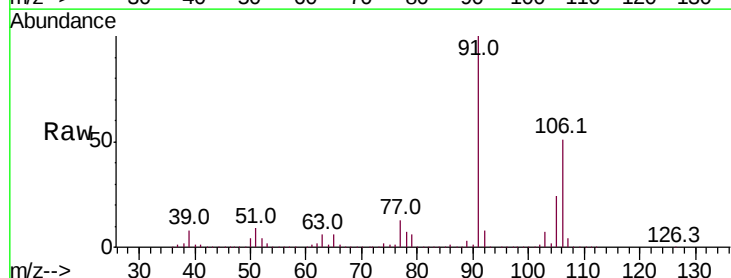
Acq: 19 Jul 2019 14:41

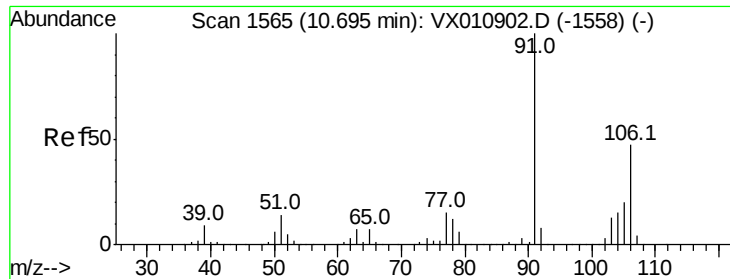
Tgt Ion: 106 Resp: 790682

Ion Ratio Lower Upper

106 100

91 199.8 160.1 240.1





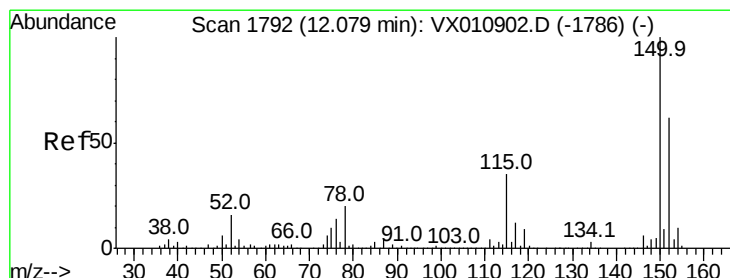
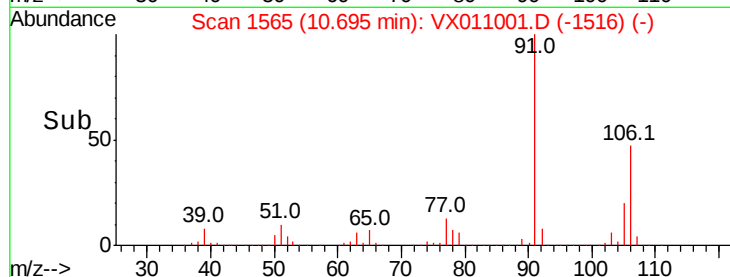
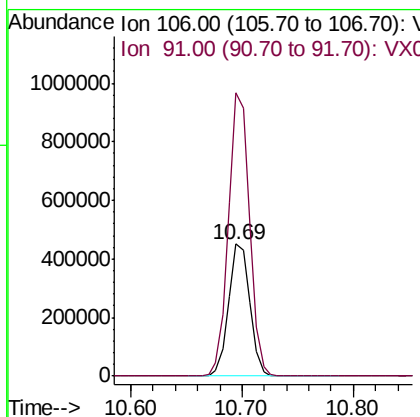
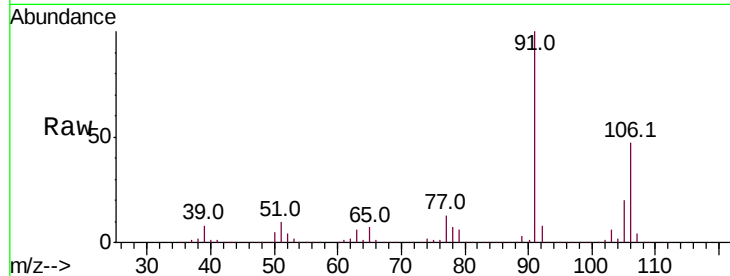
#69
o-Xylene
Concen: 137.578 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.00 min
Lab File: VX011001.D
Acq: 19 Jul 2019 14:41

Instrument :
MSVOA_X
ClientSampled :
FL-0613

Tot Ion:106 Resp: 594218
Ion Ratio Lower Upper
106 100
91 213.2 105.1 315.3

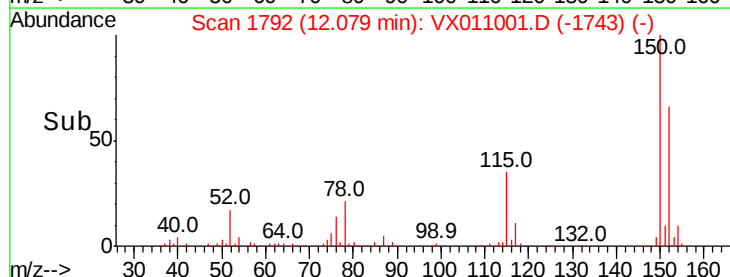
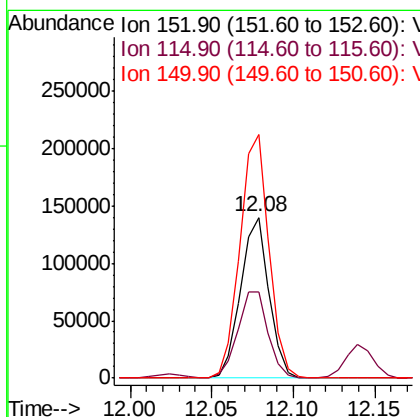
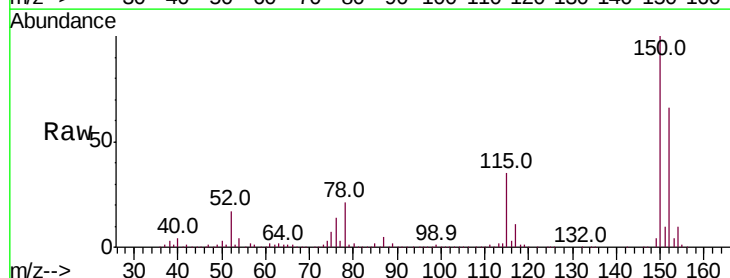
Manual Integrations
APPROVED

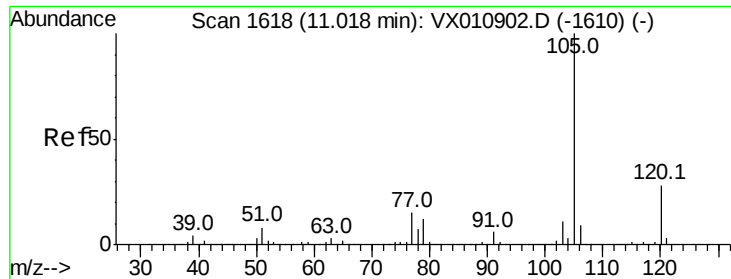
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011001.D
Acq: 19 Jul 2019 14:41

Tgt Ion:152 Resp: 170186
Ion Ratio Lower Upper
152 100
115 56.9 39.7 119.1
150 154.3 0.0 345.6





#73

Isopropylbenzene

Concen: 25.153 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX011001.D

Acq: 19 Jul 2019 14:41

Instrument :

MSVOA_X

ClientSampled :

FL-0613

Tot Ion: 105 Resp: 289248

Ion Ratio Lower Upper

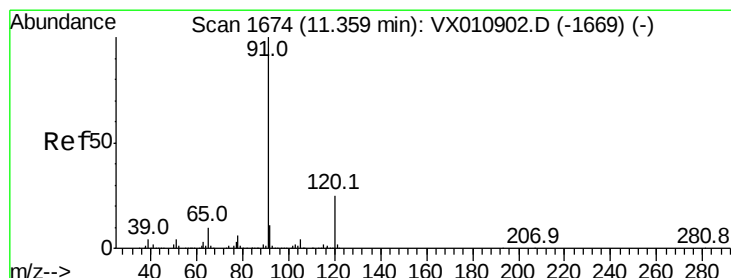
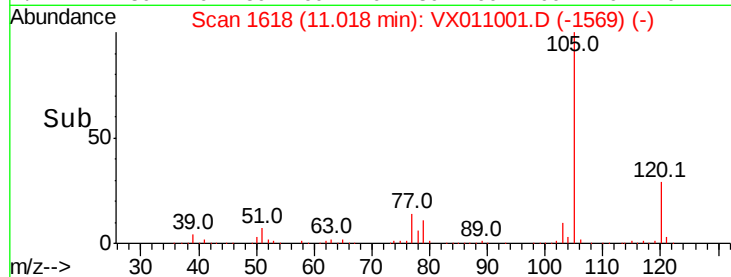
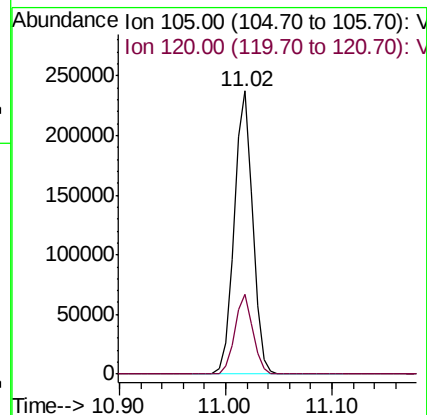
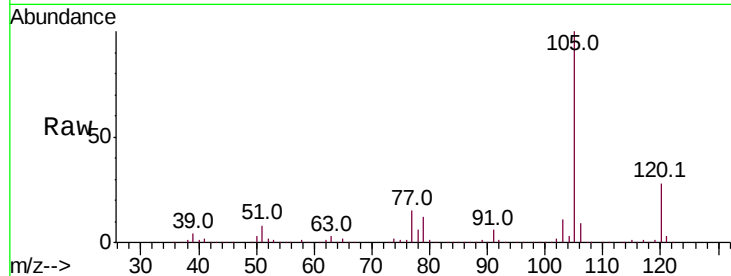
105 100

120 27.6 13.7 41.1

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#78

n-propylbenzene

Concen: 13.509 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011001.D

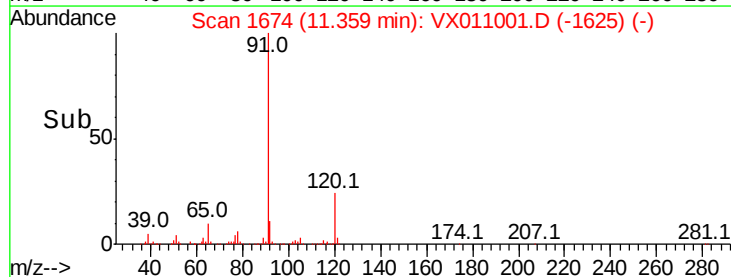
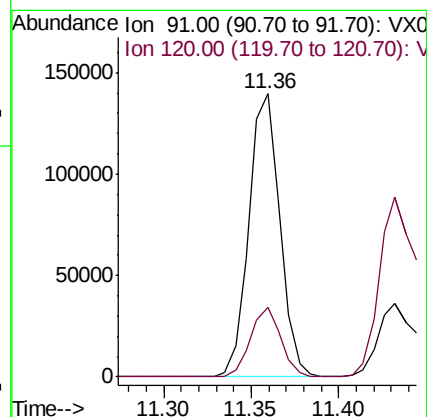
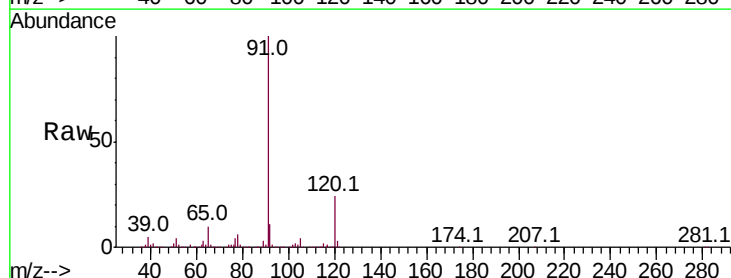
Acq: 19 Jul 2019 14:41

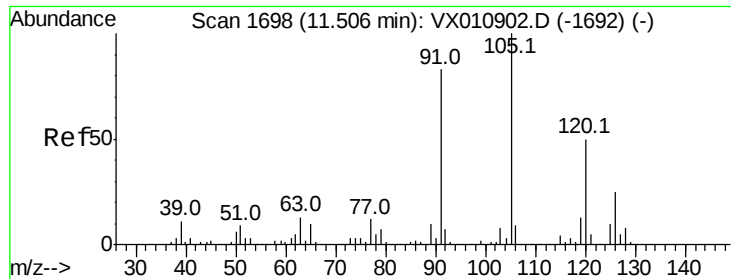
Tgt Ion: 91 Resp: 171645

Ion Ratio Lower Upper

91 100

120 24.1 12.3 36.8





#80

1,3,5-Trimethylbenzene

Concen: 26.601 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011001.D

Acq: 19 Jul 2019 14:41

Instrument :

MSVOA_X

ClientSampled :

FL-0613

Tot Ion:105 Resp: 255612

Ion Ratio Lower Upper

105 100

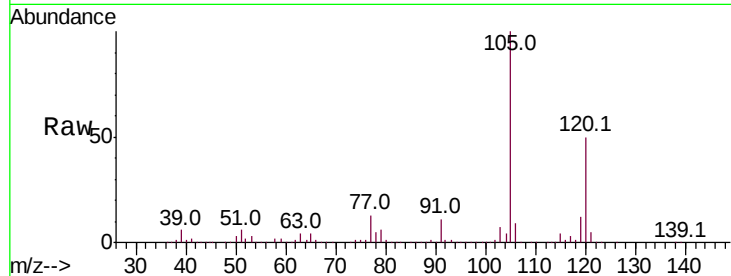
120 48.9 24.6 73.8

Manual Integrations

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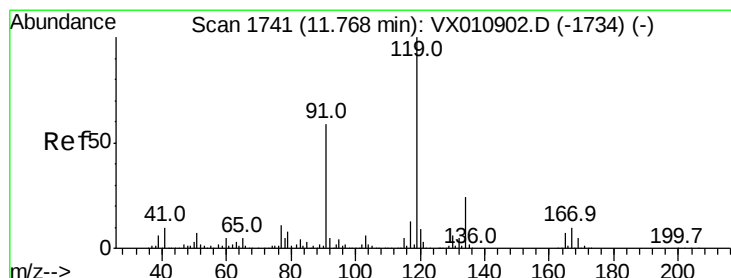
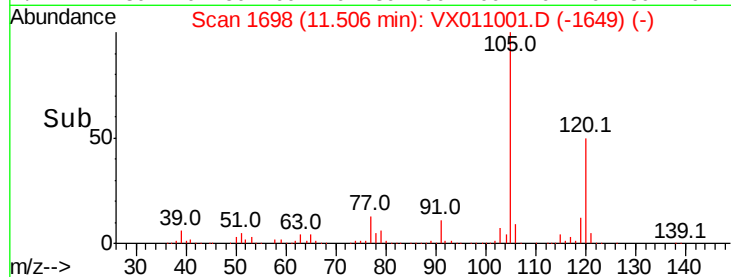
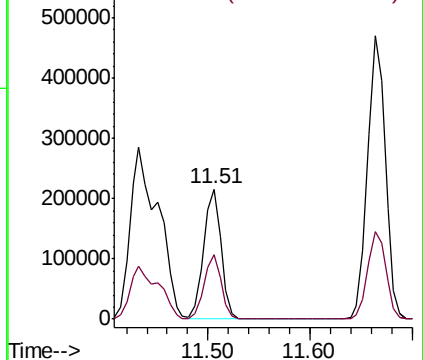
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#83

tert-Butylbenzene

Concen: 1.513 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX011001.D

Acq: 19 Jul 2019 14:41

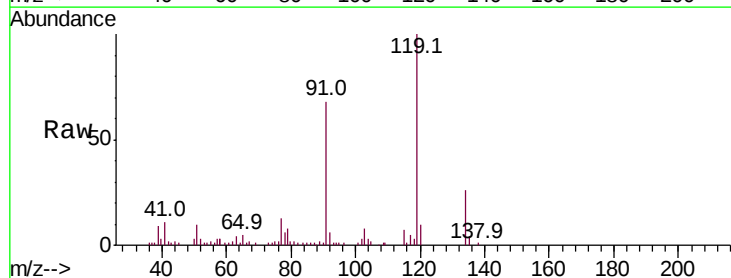
Tgt Ion:119 Resp: 14279

Ion Ratio Lower Upper

119 100

91 61.5 28.6 85.8

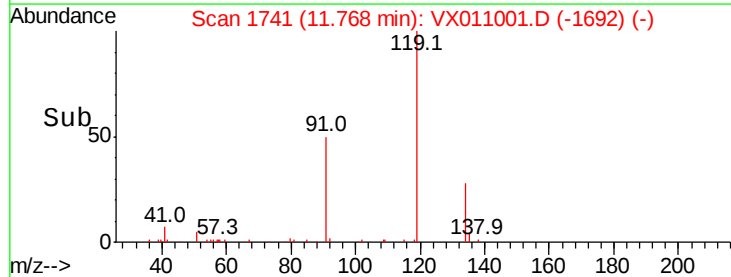
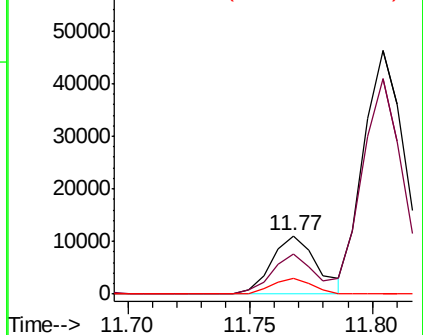
134 24.9 11.6 34.8

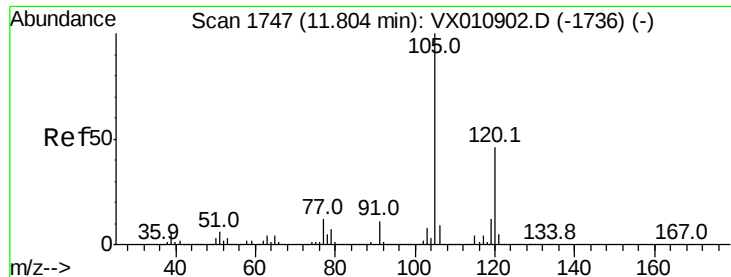


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V





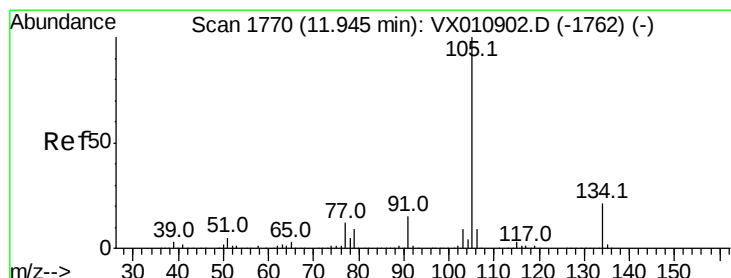
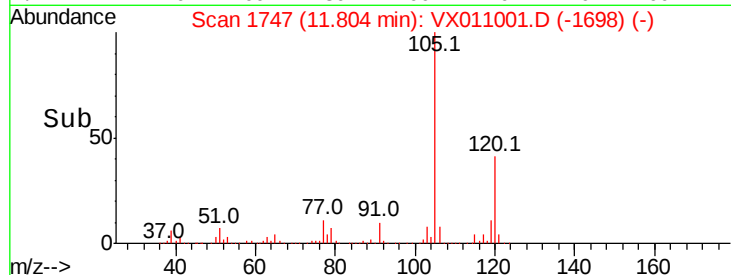
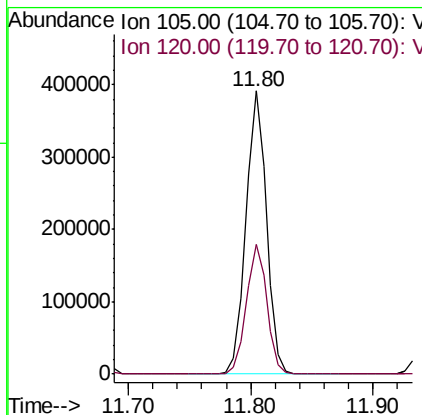
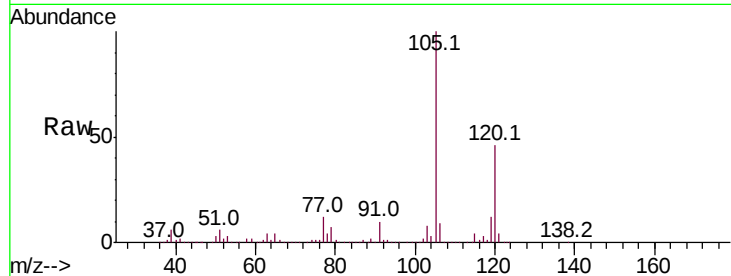
#84
 1,2,4-Trimethylbenzene
 Concen: 46.845 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX011001.D
 Acq: 19 Jul 2019 14:41

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0613

Tot Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.9	68.5

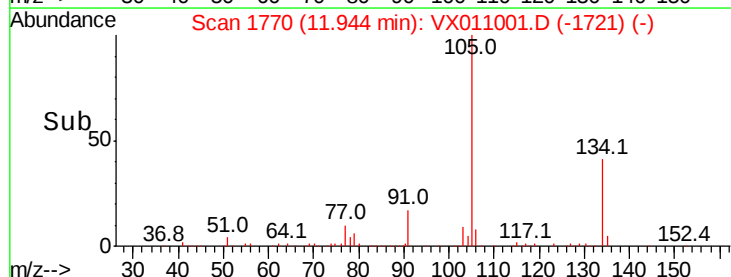
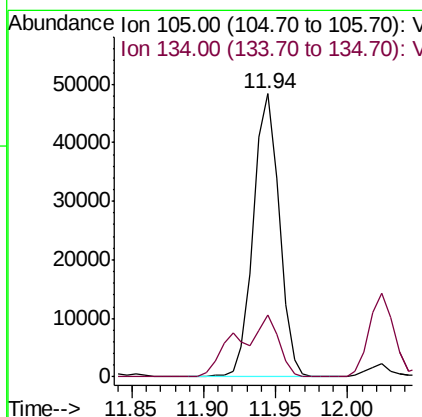
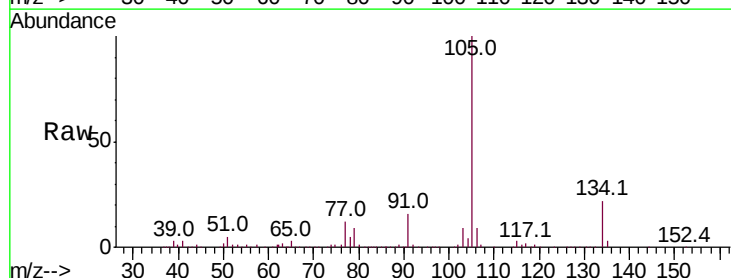
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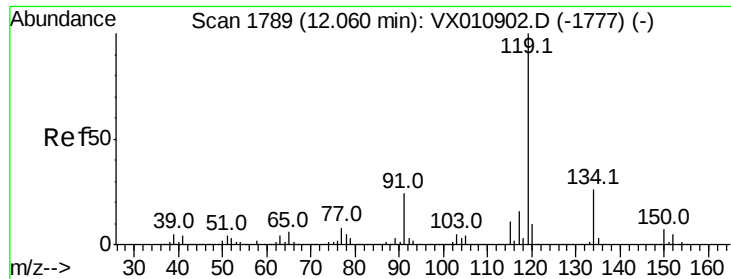
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#85
 sec-Butylbenzene
 Concen: 5.369 ug/l
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX011001.D
 Acq: 19 Jul 2019 14:41

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.0	10.4	31.4





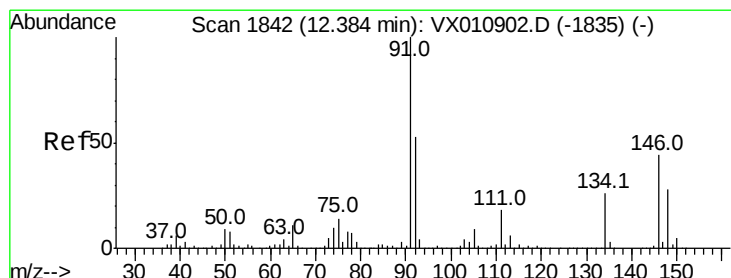
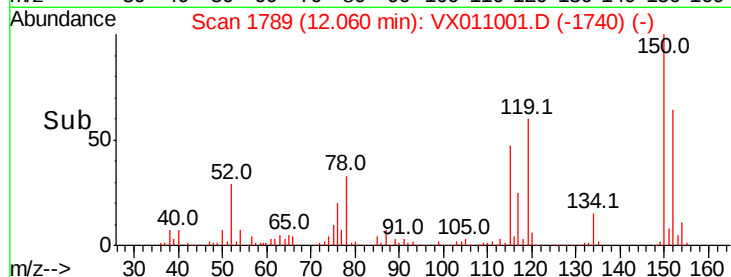
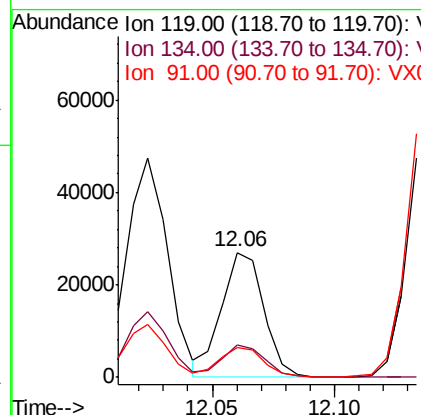
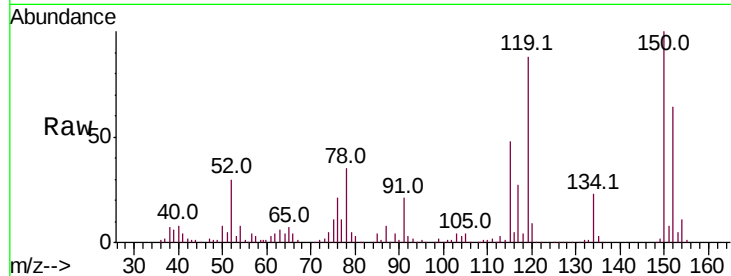
#86
p-Isopropyltoluene
Concen: 3.180 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX011001.D
Acq: 19 Jul 2019 14:41

Instrument :
MSVOA_X
ClientSampled :
FL-0613

Tot Ion	Ratio	Resp	Lower	Upper
119	100	32518		
134	26.8		13.4	40.1
91	24.6		11.8	35.4

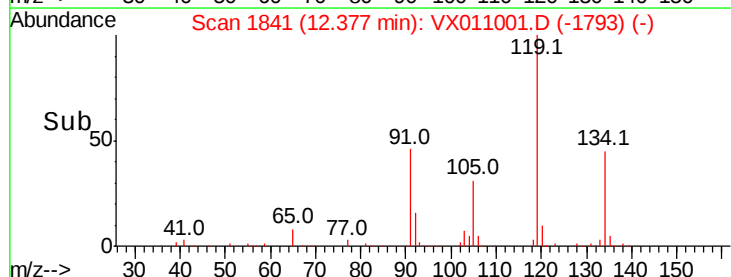
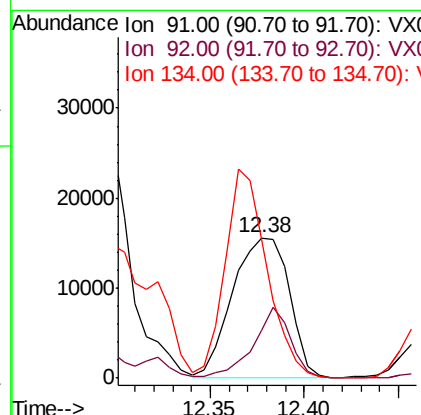
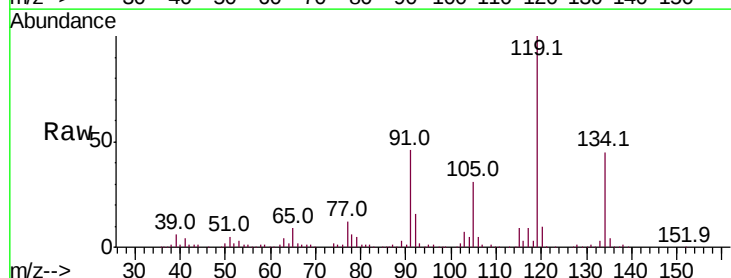
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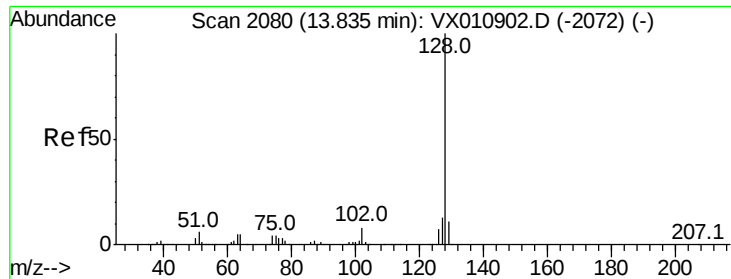
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#89
n-Butylbenzene
Concen: 3.682 ug/l
RT: 12.38 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX011001.D
Acq: 19 Jul 2019 14:41

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	32210		
92	33.6		26.2	78.5
134	110.7		13.8	41.3#





#95
Naphthalene
Concen: 55.415 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX011001.D
Acq: 19 Jul 2019 14:41

Instrument :
MSVOA_X
ClientSampleId :
FL-0613

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

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