

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\
 Data File : VX011007.D
 Acq On : 19 Jul 2019 17:01
 Operator : JC/SP
 Sample : K3884-22
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0623

Manual Integrations
 APPROVED

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 7/22/2019 5:23:21 PM

Quant Time: Jul 20 01:52:56 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	245610	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	387923	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	366285	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	197835	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	137405	52.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	105.18%	
35) Dibromofluoromethane	5.50	113	120941	49.12	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.24%	
50) Toluene-d8	8.71	98	470072	50.90	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.80%	
62) 4-Bromofluorobenzene	11.13	95	185428	54.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.26%	
Target Compounds						
					Qvalue	
16) Acetone	2.45	43	4276	3.623	ug/l #	83
25) 2-Butanone	4.68	43	6953	4.104	ug/l	90
31) Cyclohexane	5.58	56	292079	82.328	ug/l	99
39) Methylcyclohexane	7.46	83	646188	156.379	ug/l	99
52) Toluene	8.78	92	38209	5.959	ug/l	100
67) Ethyl Benzene	10.25	91	5360424	418.607	ug/l	100
68) m/p-Xylenes	10.37	106	4735011	963.961	ug/l	95
69) o-Xylene	10.70	106	3435842	716.711	ug/l	98
73) Isopropylbenzene	11.02	105	728060	54.464	ug/l	99
78) n-propylbenzene	11.36	91	970168	65.684	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	1233878	110.463	ug/l	100
83) tert-Butylbenzene	11.77	119	7691m	0.701	ug/l	
84) 1,2,4-Trimethylbenzene	11.80	105	4081630	362.544	ug/l	99
85) sec-Butylbenzene	11.94	105	123157m	9.580	ug/l	
86) p-Isopropyltoluene	12.06	119	121251	10.202	ug/l	98
89) n-Butylbenzene	12.38	91	93817	9.226	ug/l #	20
95) Naphthalene	13.83	128	627703	49.458	ug/l	100

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

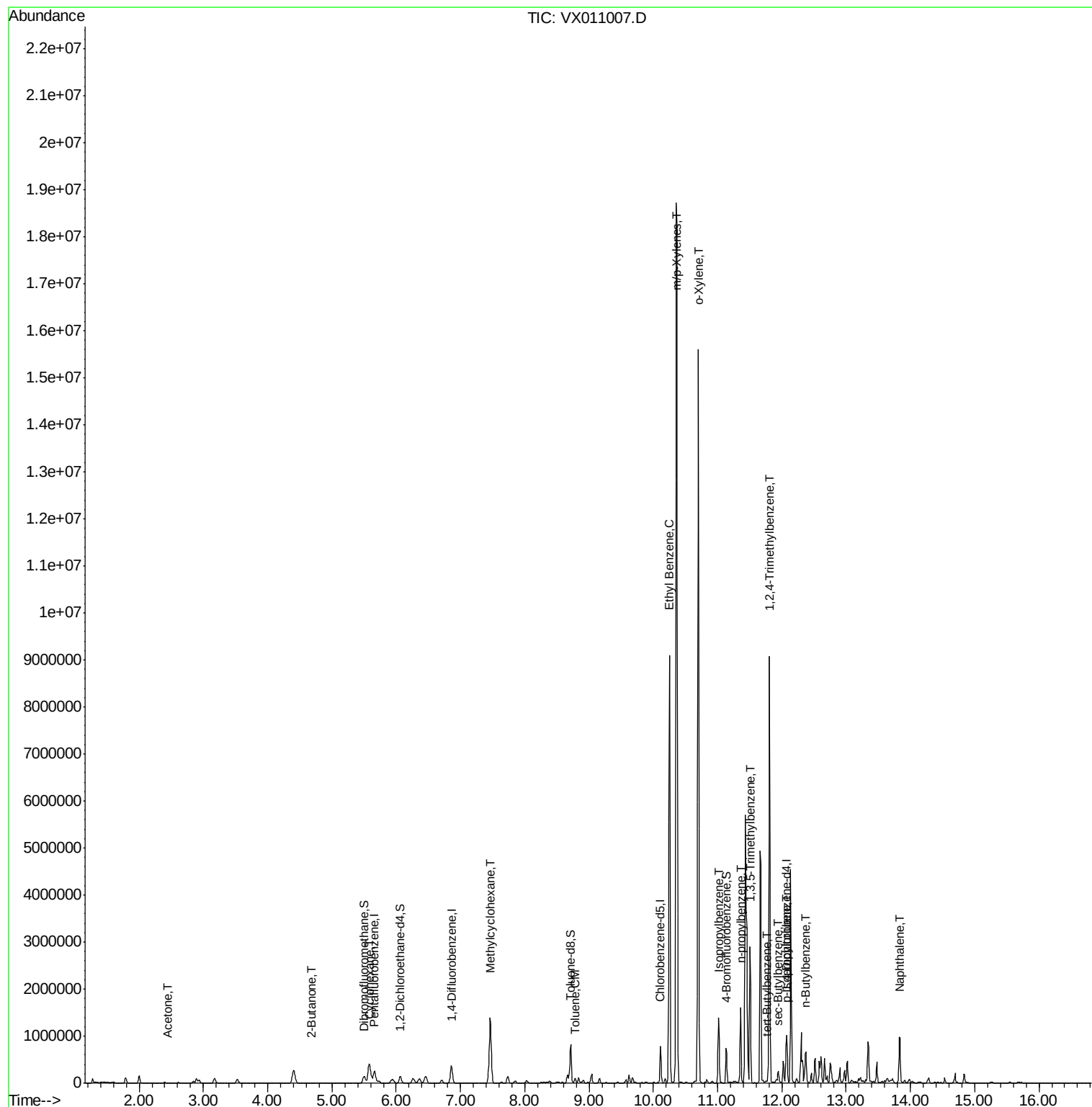
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\
Data File : VX011007.D
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ALS Vial : 18 Sample Multiplier: 1

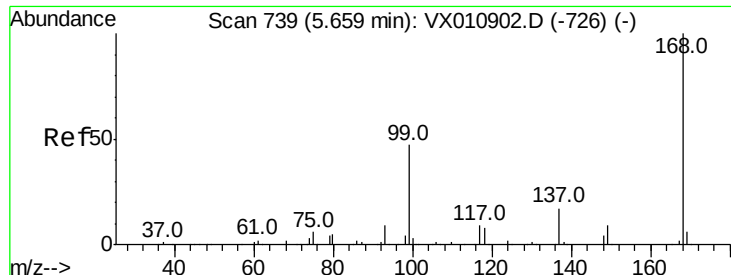
Instrument :
MSVOA_X
ClientSampleId :
FL-0623

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7/22/2019 5:23:21 PM

Quant Time: Jul 20 01:52:56 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: VX011007.D

Acq: 19 Jul 2019 17:01

Instrument :

MSVOA_X

ClientSampled :

FL-0623

Tot Ion:168 Resp: 245610

Ion Ratio Lower Upper

168 100

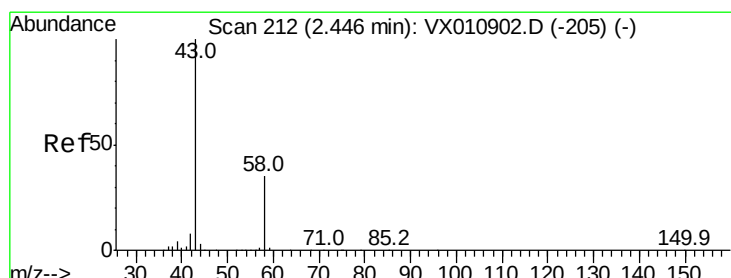
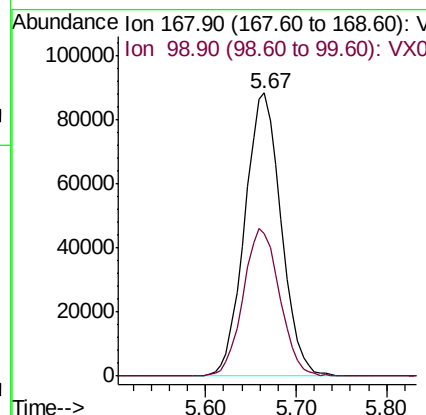
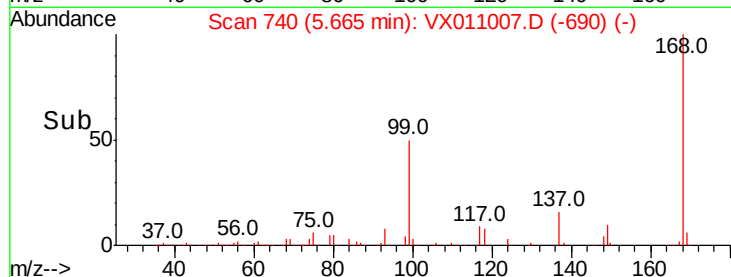
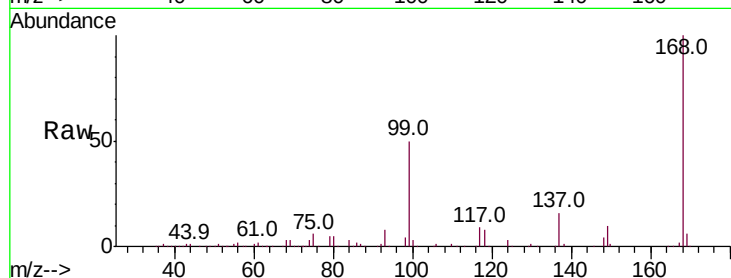
99 50.4 37.6 56.4

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#16

Acetone

Concen: 3.623 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX011007.D

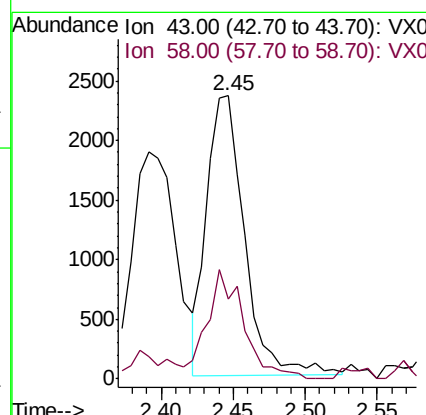
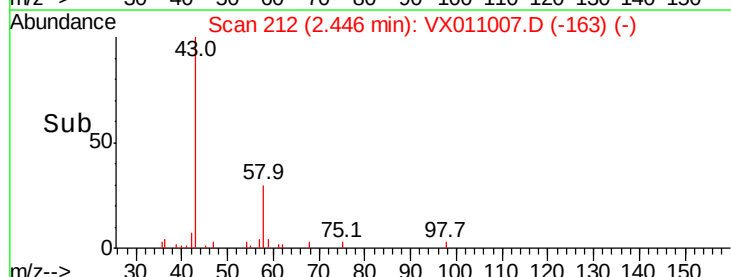
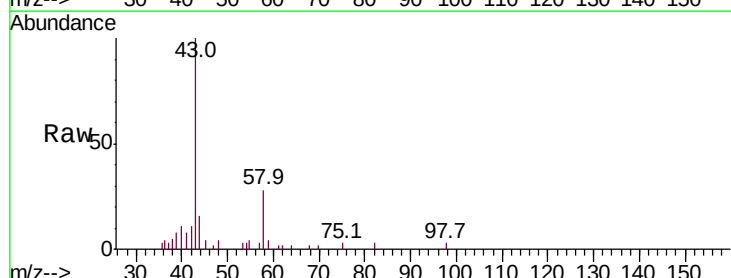
Acq: 19 Jul 2019 17:01

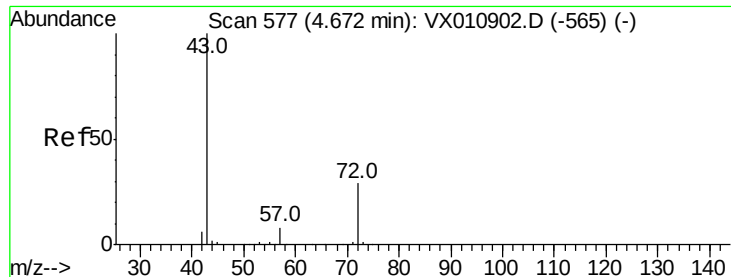
Tgt Ion: 43 Resp: 4276

Ion Ratio Lower Upper

43 100

58 24.9 27.7 41.5#





#25

2-Butanone

Concen: 4.104 ug/l

RT: 4.68 min Scan# 579

Delta R.T. 0.01 min

Lab File: VX011007.D

Acq: 19 Jul 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

FL-0623

Tot Ion: 43 Resp: 6953

Ion Ratio Lower Upper

43 100

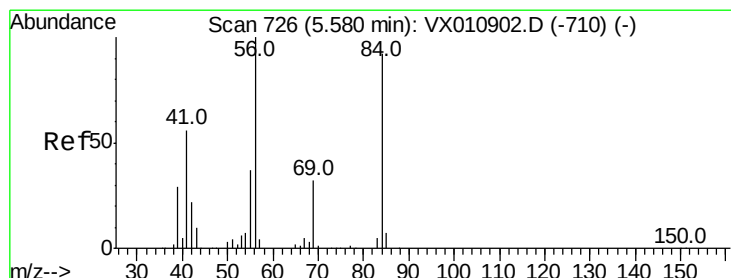
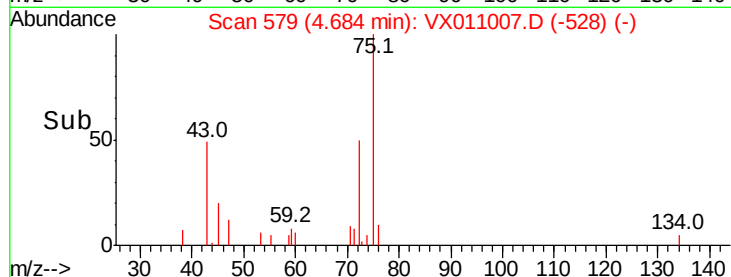
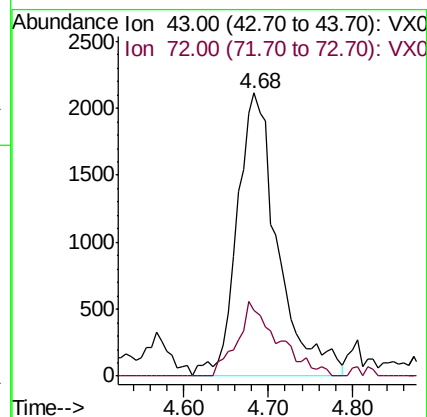
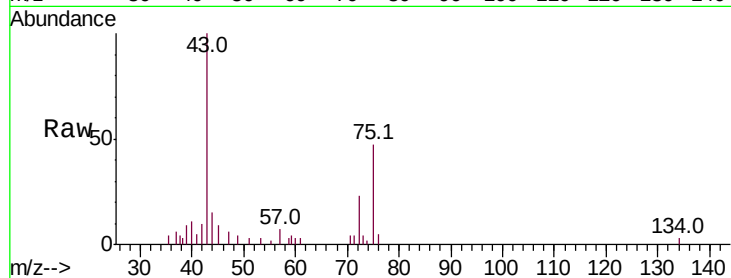
72 23.3 23.0 34.6

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#31

Cyclohexane

Concen: 82.328 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX011007.D

Acq: 19 Jul 2019 17:01

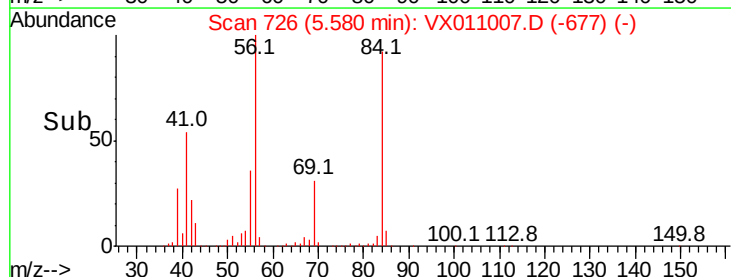
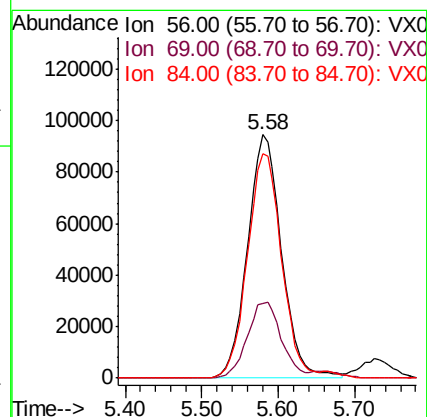
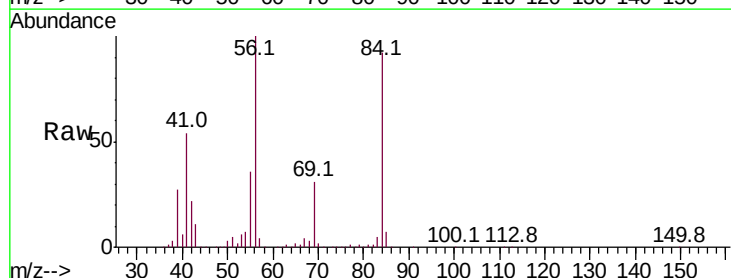
Tgt Ion: 56 Resp: 292079

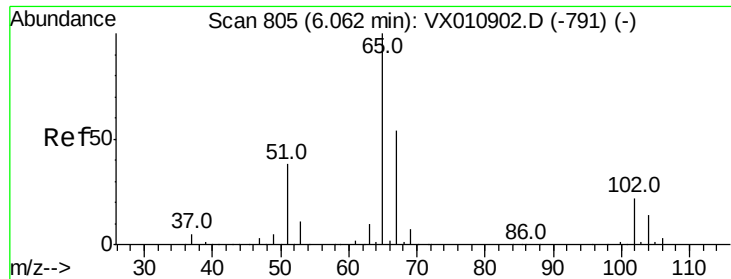
Ion Ratio Lower Upper

56 100

69 30.7 25.8 38.8

84 92.2 73.8 110.6





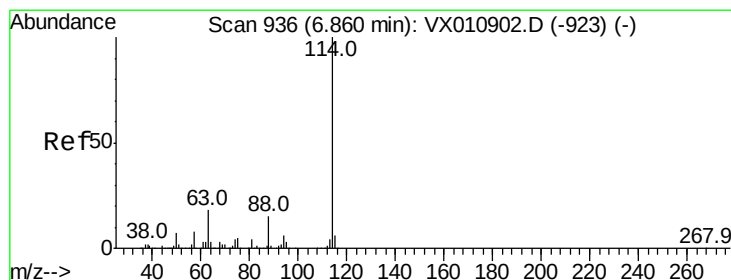
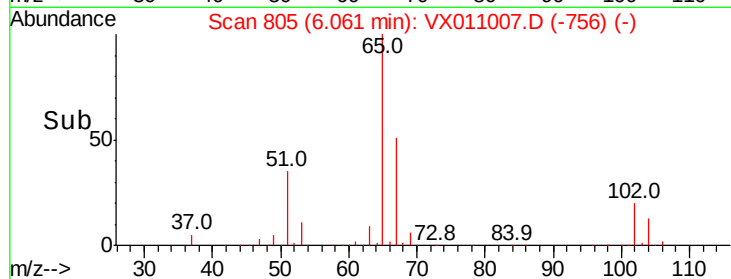
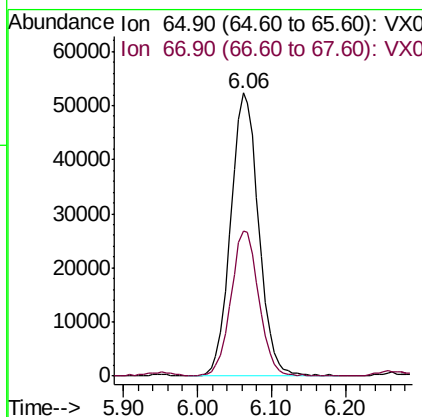
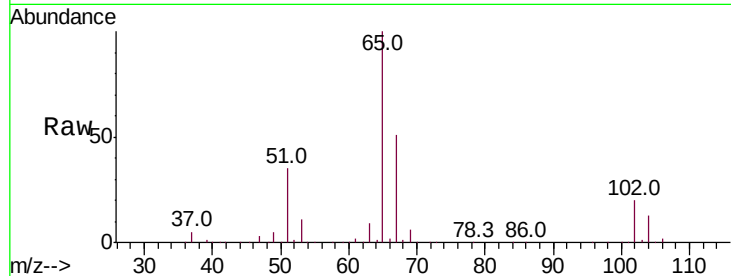
#33
 1,2-Dichloroethane-d4
 Concen: 52.587 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX011007.D
 Acq: 19 Jul 2019 17:01

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0623

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.2	0.0	107.8	

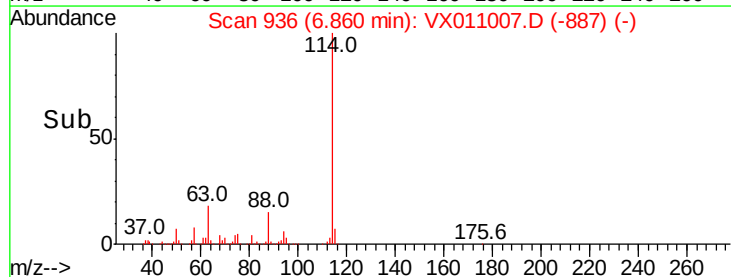
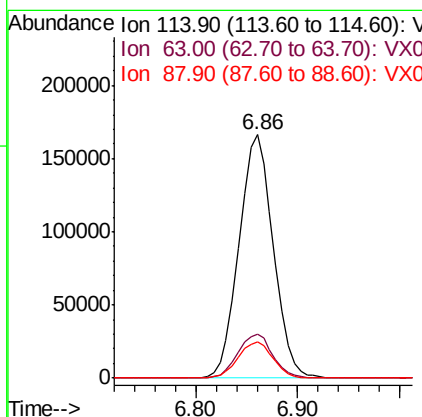
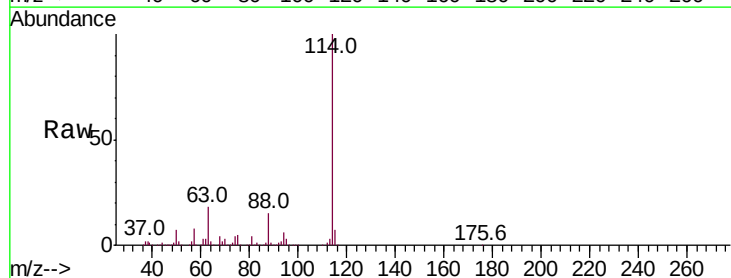
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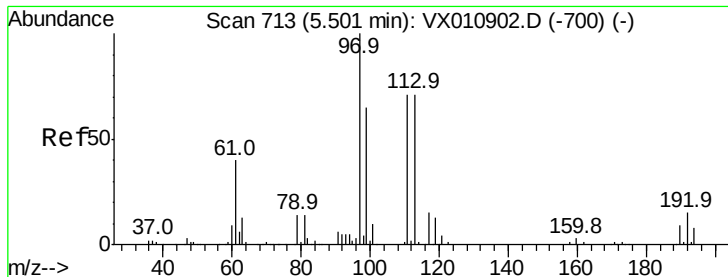
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX011007.D
 Acq: 19 Jul 2019 17:01

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.0	0.0	35.6	
88	14.9	0.0	29.8	





#35

Dibromofluoromethane

Concen: 49.119 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011007.D

Acq: 19 Jul 2019 17:01

Instrument :

MSVOA_X

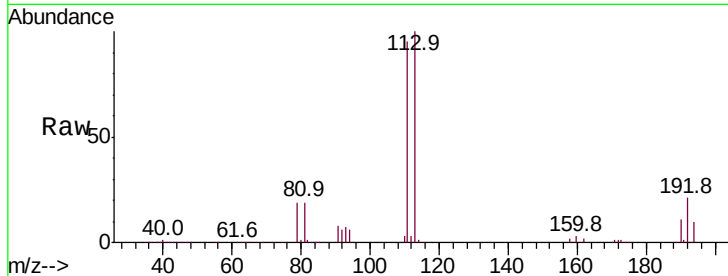
ClientSampleId :

FL-0623

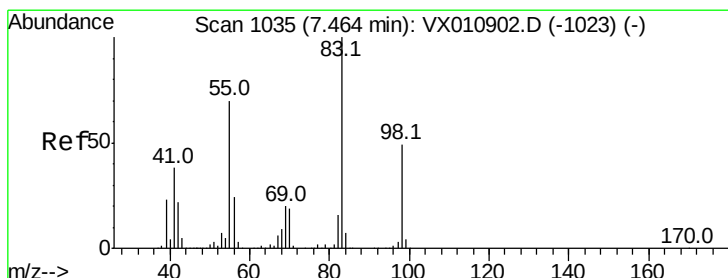
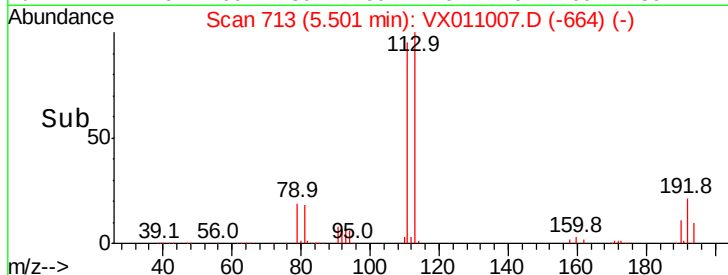
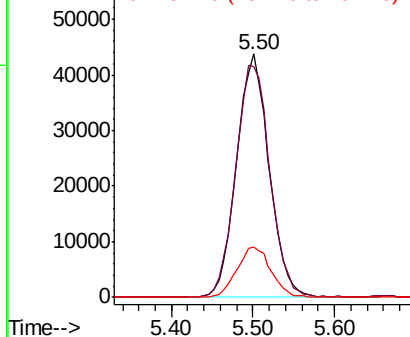
Tot Ion:	113	Resp:	120941
Ion Ratio	Lower	Upper	
113	100		
111	100.7	82.3	123.5
192	21.5	17.4	26.2

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Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#39

Methylcyclohexane

Concen: 156.379 ug/l

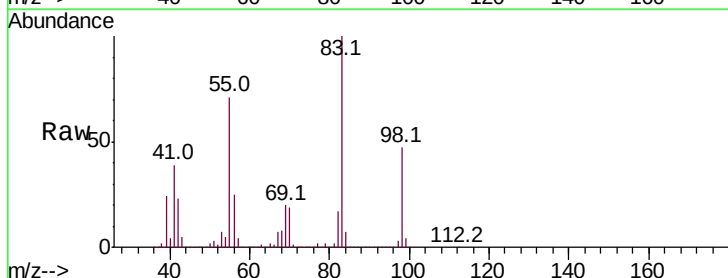
RT: 7.46 min Scan# 1035

Delta R.T. -0.00 min

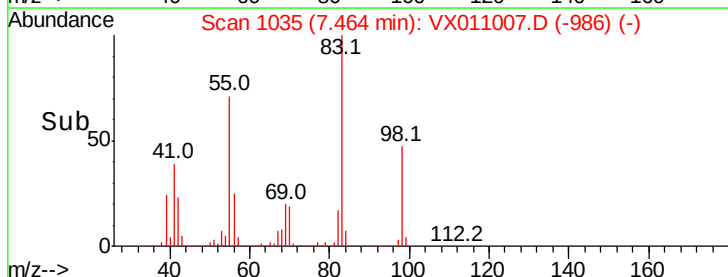
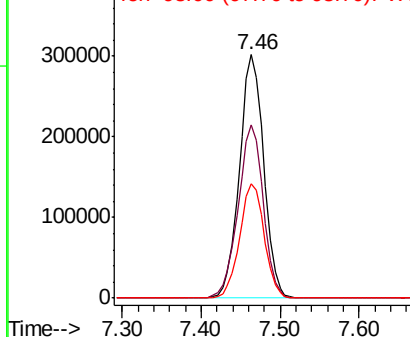
Lab File: VX011007.D

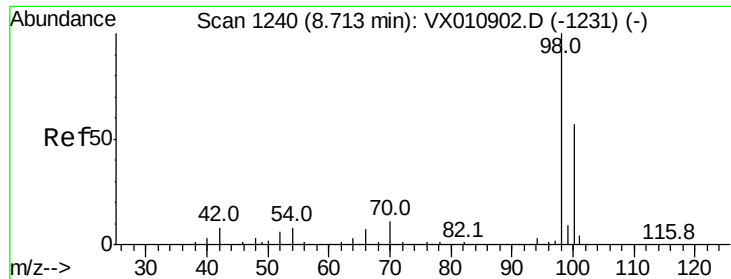
Acq: 19 Jul 2019 17:01

Tgt Ion:	83	Resp:	646188
Ion Ratio	Lower	Upper	
83	100		
55	71.0	56.2	84.4
98	47.1	39.0	58.4



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





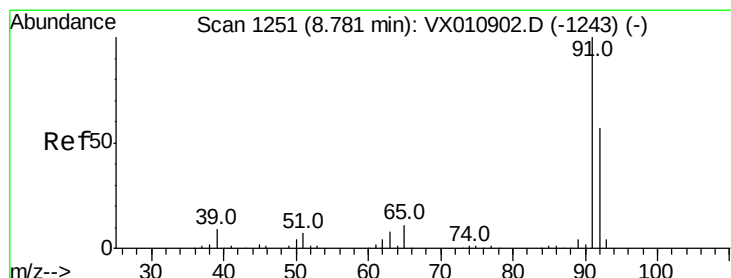
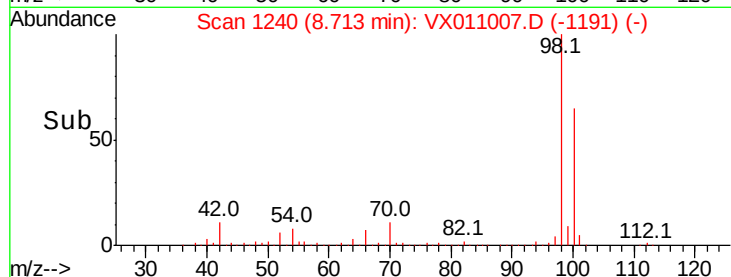
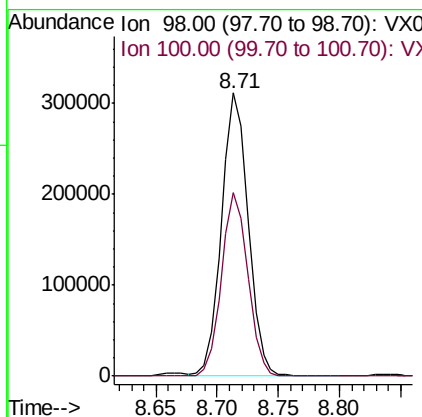
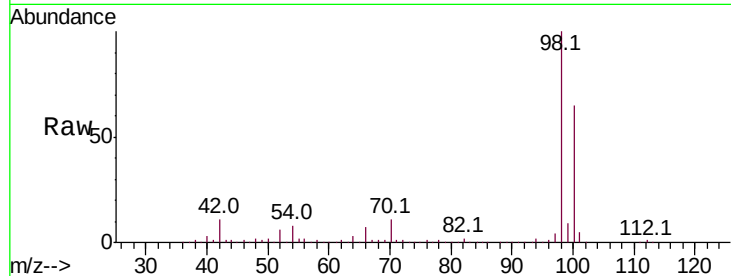
#50
Toluene-d8
Concen: 50.902 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX011007.D
Acq: 19 Jul 2019 17:01

Instrument :
MSVOA_X
ClientSampleId :
FL-0623

Tot Ion: 98 Resp: 470072
Ion Ratio Lower Upper
98 100
100 64.5 50.6 75.8

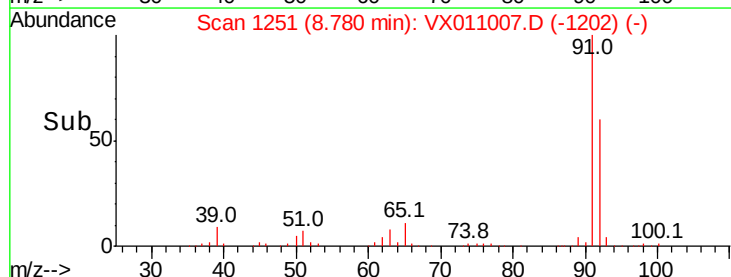
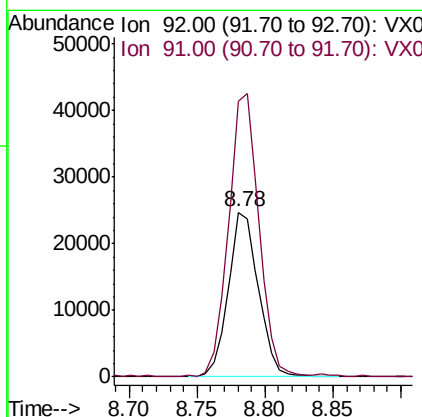
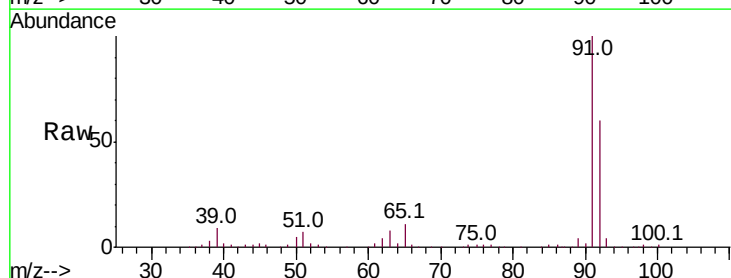
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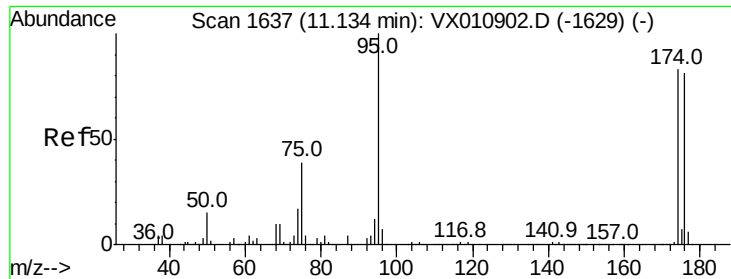
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#52
Toluene
Concen: 5.959 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. -0.00 min
Lab File: VX011007.D
Acq: 19 Jul 2019 17:01

Tgt Ion: 92 Resp: 38209
Ion Ratio Lower Upper
92 100
91 174.0 139.4 209.0





#62

4-Bromofluorobenzene

Concen: 54.626 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011007.D

Acq: 19 Jul 2019 17:01

Instrument :

MSVOA_X

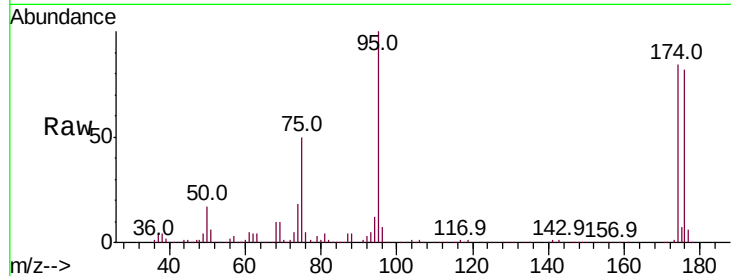
ClientSampleId :

FL-0623

Tot Ion:	95	Resp:	185428
Ion Ratio	Lower	Upper	
95	100		
174	87.9	0.0	180.6
176	85.9	0.0	173.8

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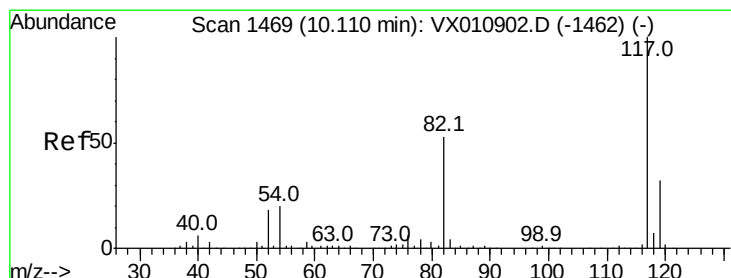
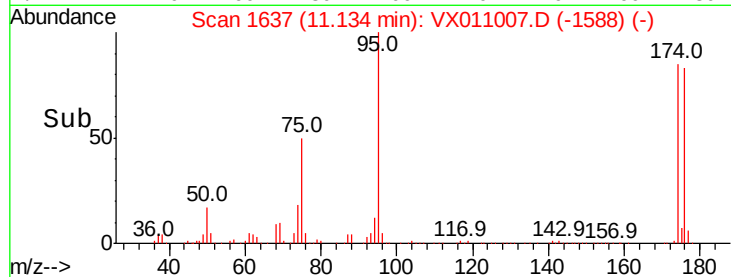
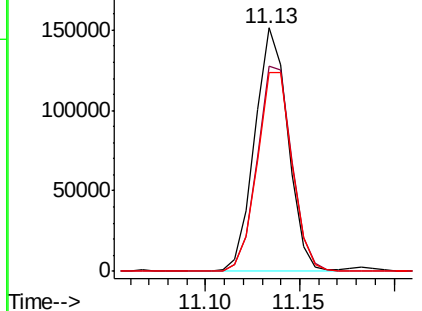
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Abundance Ion 94.90 (94.60 to 95.60): VX011007.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX011007.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX011007.D (-1588) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

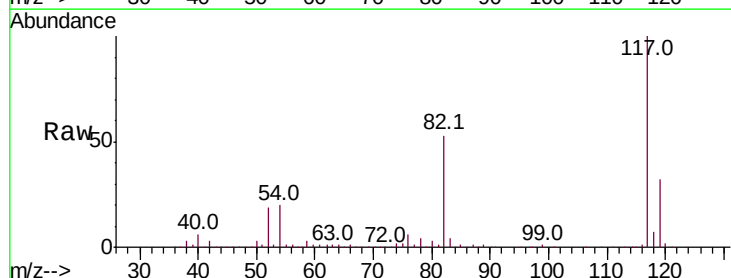
RT: 10.11 min Scan# 1469

Delta R.T. -0.00 min

Lab File: VX011007.D

Acq: 19 Jul 2019 17:01

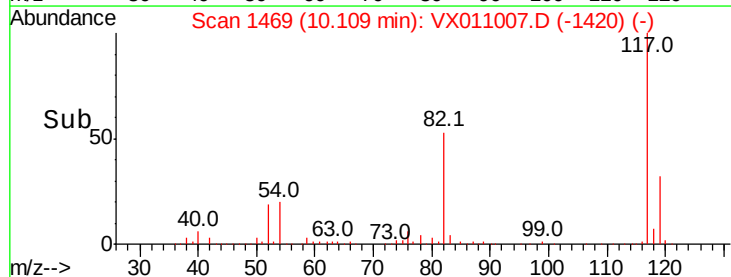
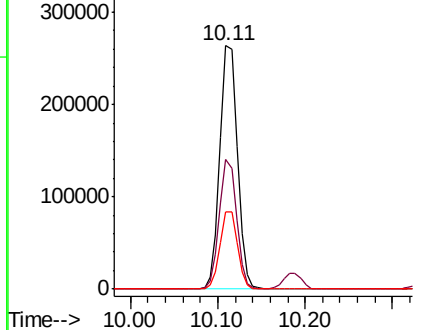
Tgt Ion:	117	Resp:	366285
Ion Ratio	Lower	Upper	
117	100		
82	53.1	42.6	63.8
119	31.8	25.9	38.9

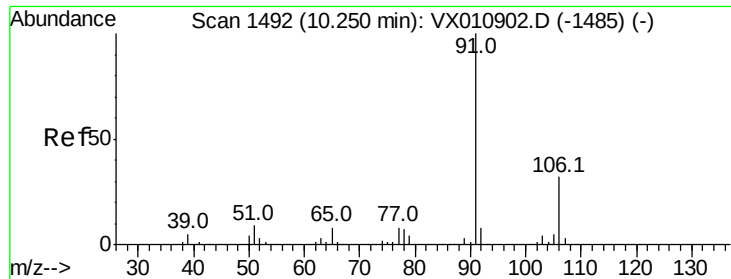


Abundance Ion 116.90 (116.60 to 117.60): VX011007.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX011007.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX011007.D (-1420) (-)





#67

Ethyl Benzene

Concen: 418.607 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX011007.D

Acq: 19 Jul 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

FL-0623

Tot Ion: 91 Resp: 5360424

Ion Ratio Lower Upper

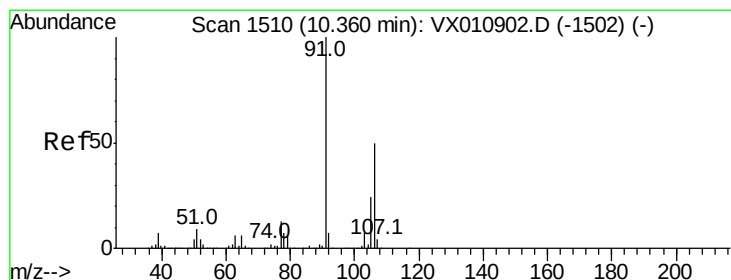
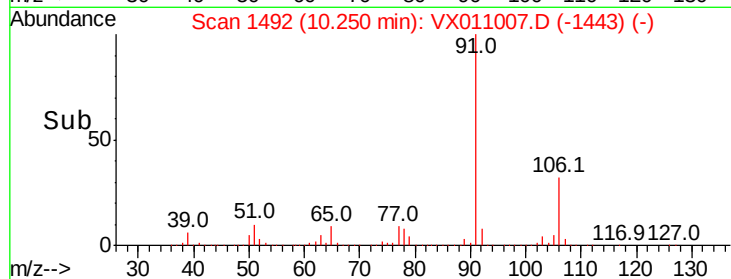
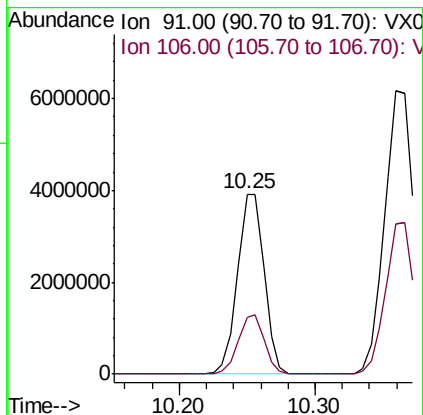
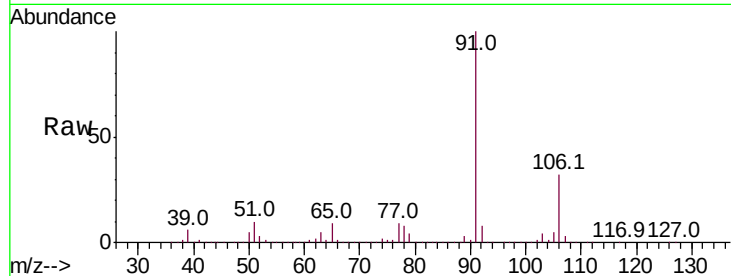
91 100

106 31.9 25.4 38.2

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#68

m/p-Xylenes

Concen: 963.961 ug/l

RT: 10.37 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VX011007.D

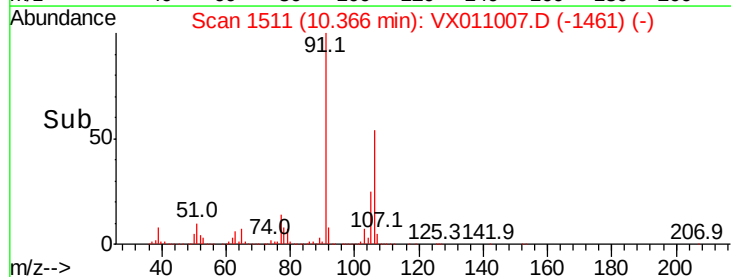
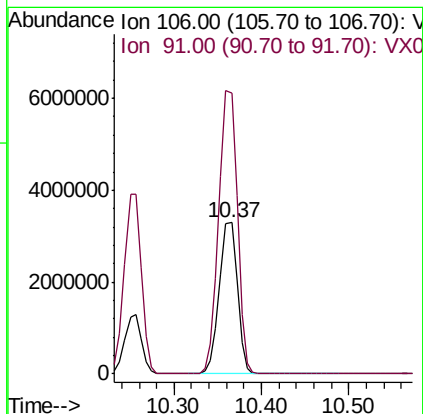
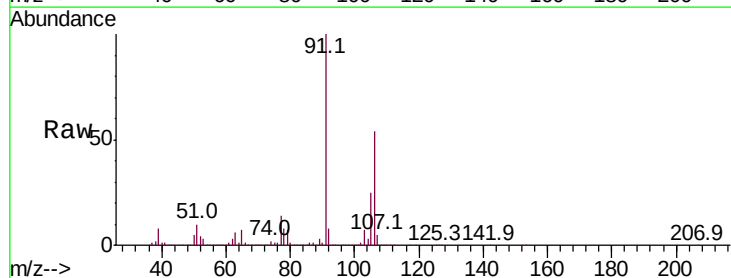
Acq: 19 Jul 2019 17:01

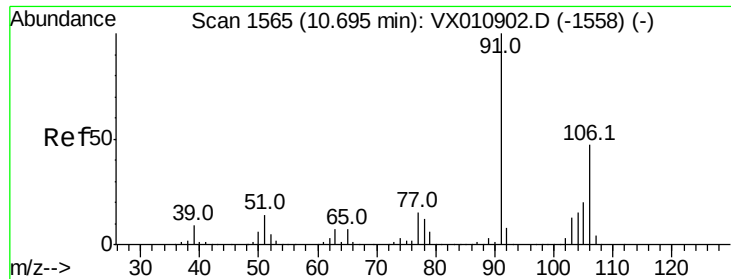
Tgt Ion: 106 Resp: 4735011

Ion Ratio Lower Upper

106 100

91 192.3 160.1 240.1





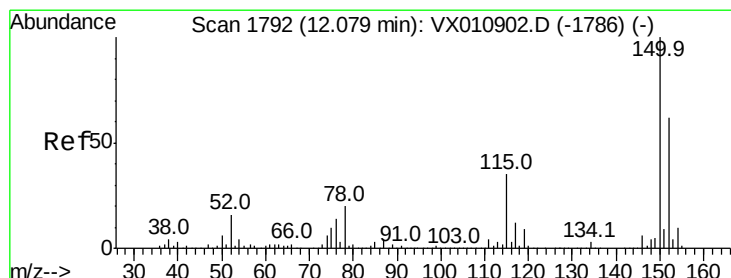
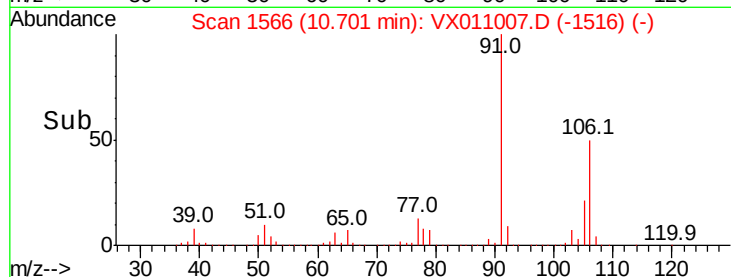
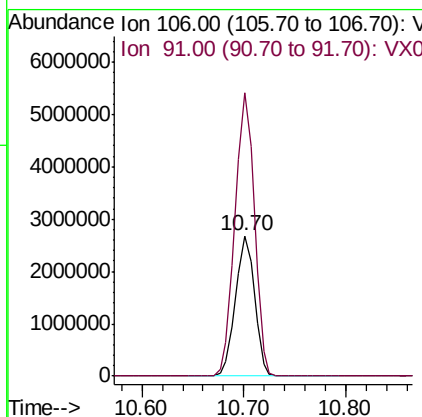
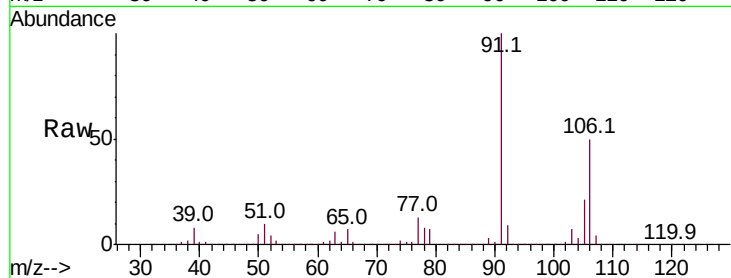
#69
o-Xylene
Concen: 716.711 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX011007.D
Acq: 19 Jul 2019 17:01

Instrument :
MSVOA_X
ClientSampled :
FL-0623

Tot Ion:106 Resp: 3435842
Ion Ratio Lower Upper
106 100
91 206.5 105.1 315.3

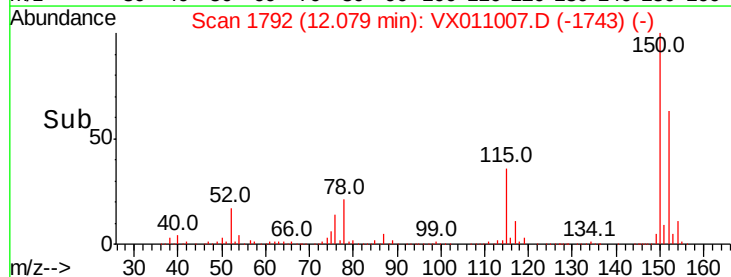
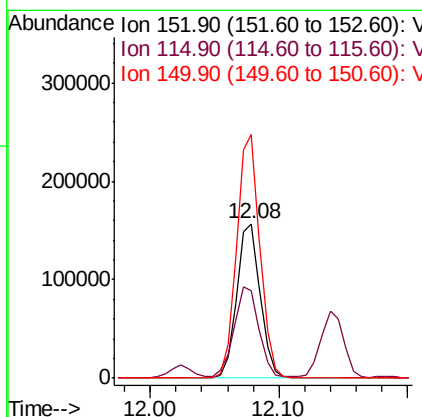
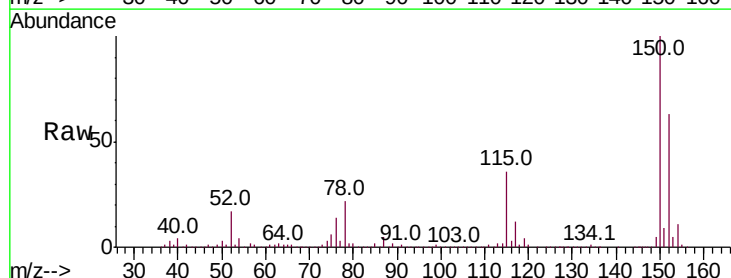
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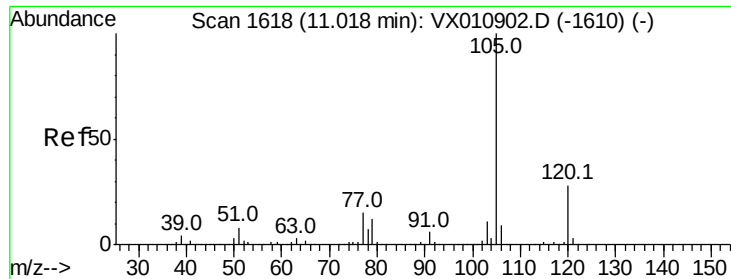
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX011007.D
Acq: 19 Jul 2019 17:01

Tgt Ion:152 Resp: 197835
Ion Ratio Lower Upper
152 100
115 63.2 39.7 119.1
150 156.1 0.0 345.6





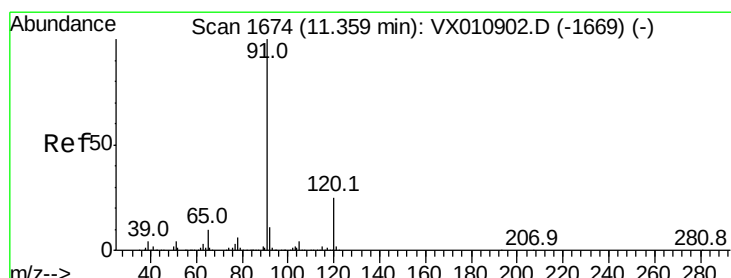
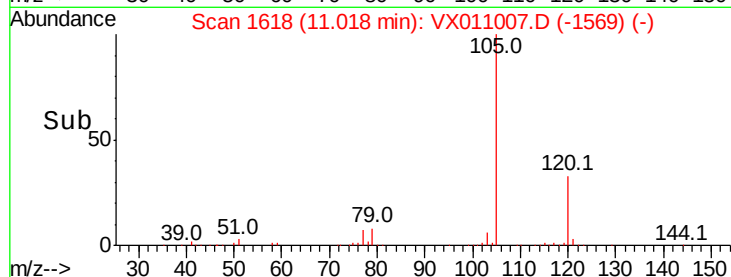
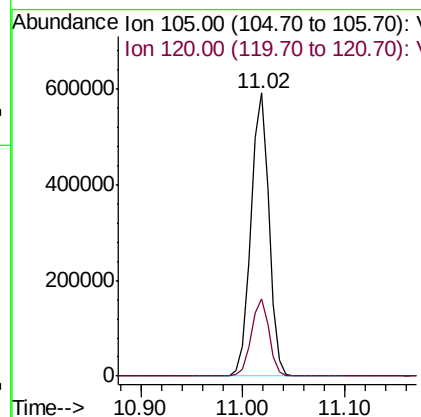
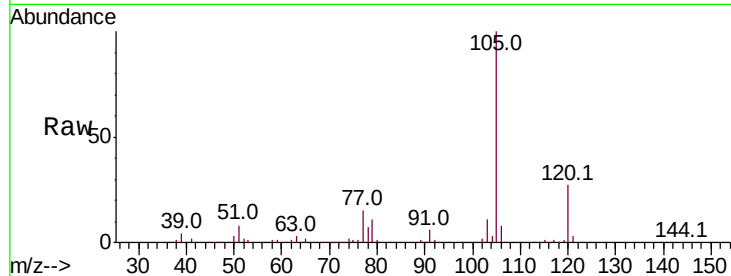
#73
Isopropylbenzene
Concen: 54.464 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX011007.D
Acq: 19 Jul 2019 17:01

Instrument :
MSVOA_X
ClientSampleId :
FL-0623

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.0	13.7	41.1

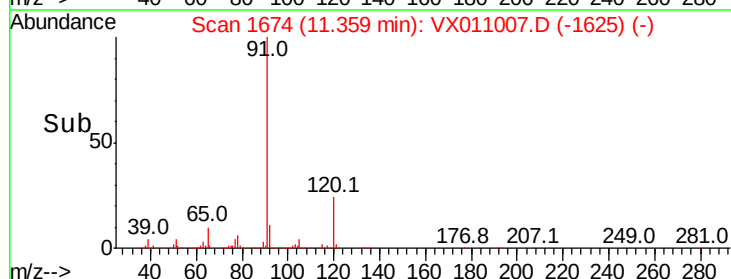
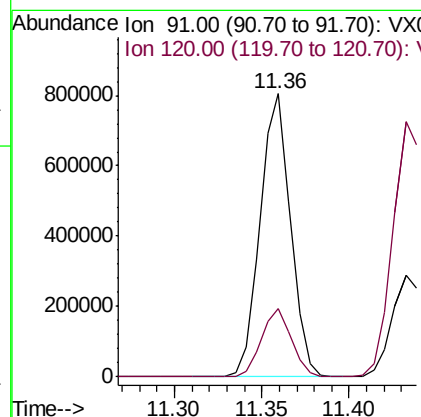
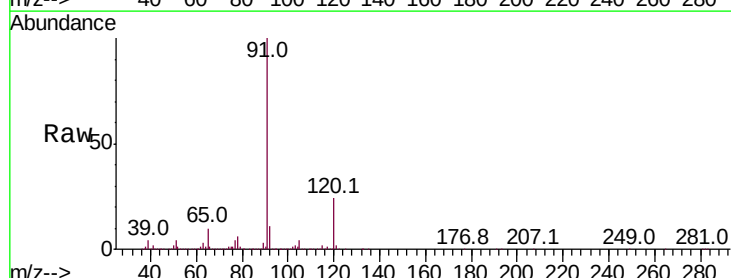
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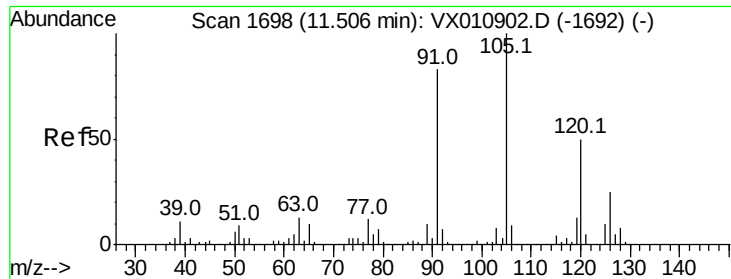
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#78
n-propylbenzene
Concen: 65.684 ug/l
RT: 11.36 min Scan# 1674
Delta R.T. -0.00 min
Lab File: VX011007.D
Acq: 19 Jul 2019 17:01

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	12.3	36.8





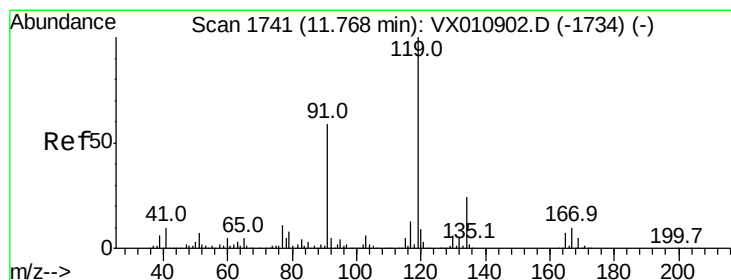
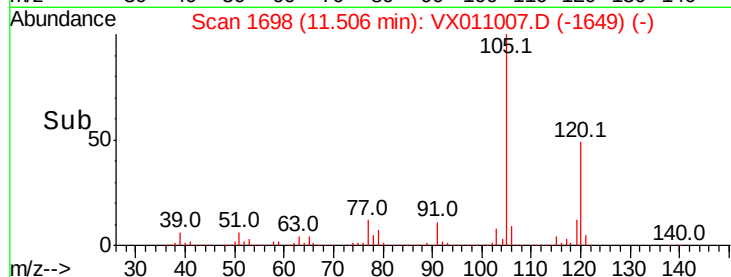
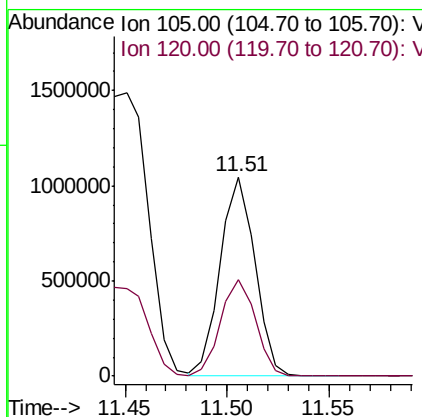
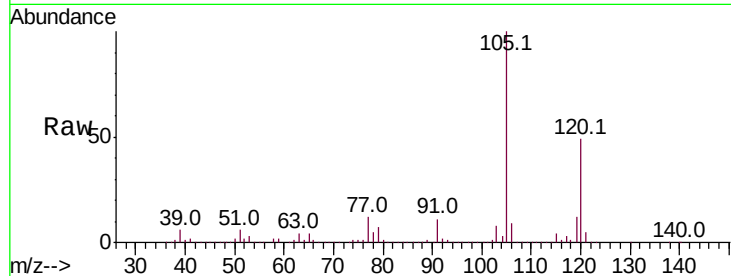
#80
1,3,5-Trimethylbenzene
Concen: 110.463 ug/l
RT: 11.51 min Scan# 1698
Delta R.T. -0.00 min
Lab File: VX011007.D
Acq: 19 Jul 2019 17:01

Instrument :
MSVOA_X
ClientSampled :
FL-0623

Tot Ion:105 Resp: 1233878
Ion Ratio Lower Upper
105 100
120 49.0 24.6 73.8

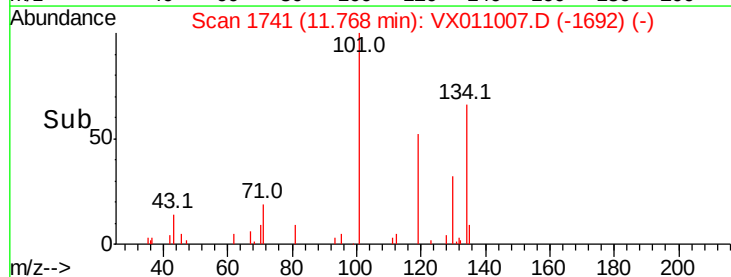
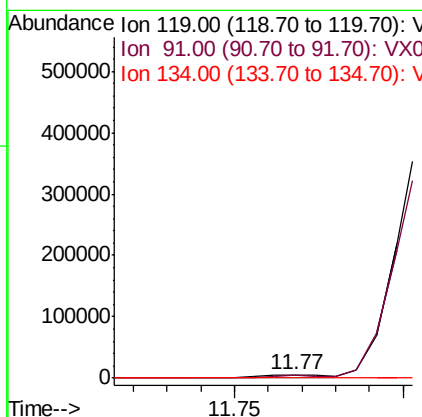
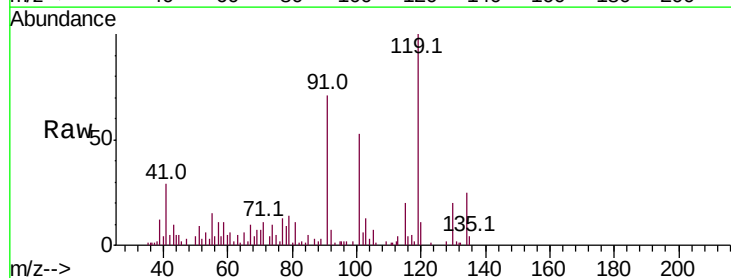
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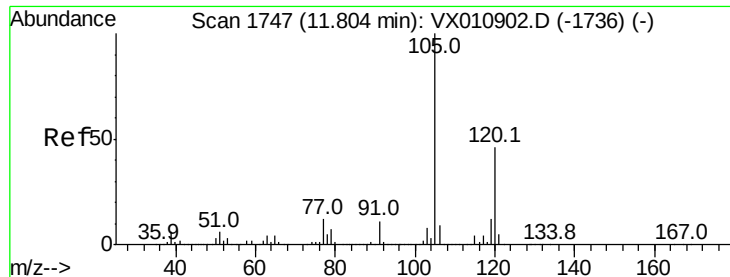
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#83
tert-Butylbenzene
Concen: 0.701 ug/l m
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011007.D
Acq: 19 Jul 2019 17:01

Tgt Ion:119 Resp: 7691
Ion Ratio Lower Upper
119 100
91 5844.2 28.6 85.8#
134 0.0 11.6 34.8#





#84

1,2,4-Trimethylbenzene

Concen: 362.544 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VX011007.D

Acq: 19 Jul 2019 17:01

Instrument :

MSVOA_X

ClientSampleId :

FL-0623

Tot Ion:105 Resp: 4081630

Ion Ratio Lower Upper

105 100

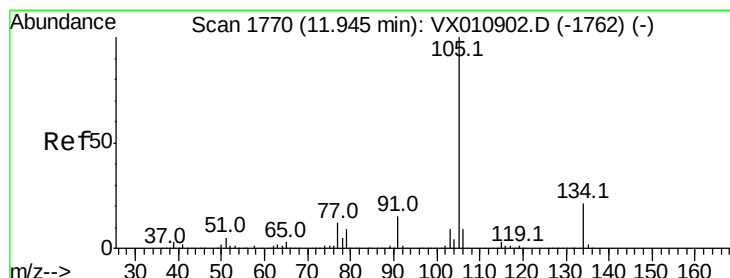
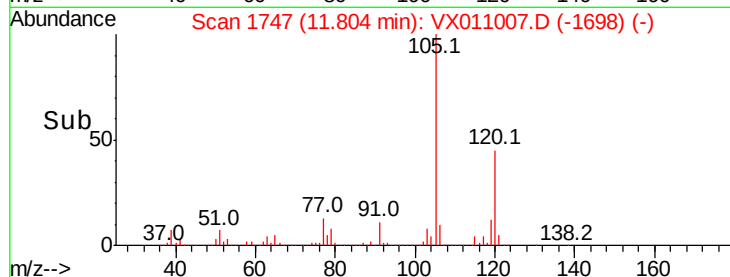
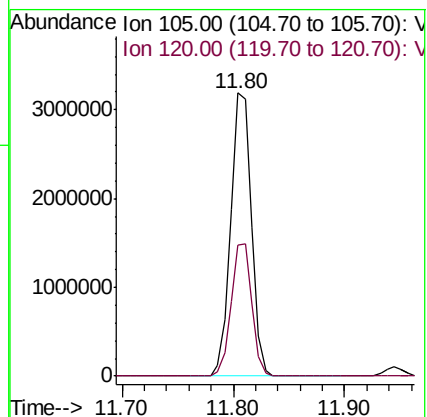
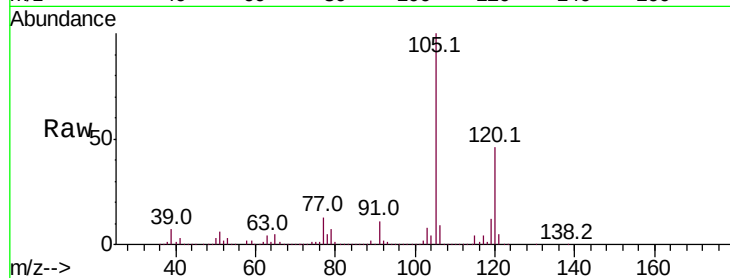
120 46.5

22.9 68.5

Manual Integrations
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#85

sec-Butylbenzene

Concen: 9.580 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011007.D

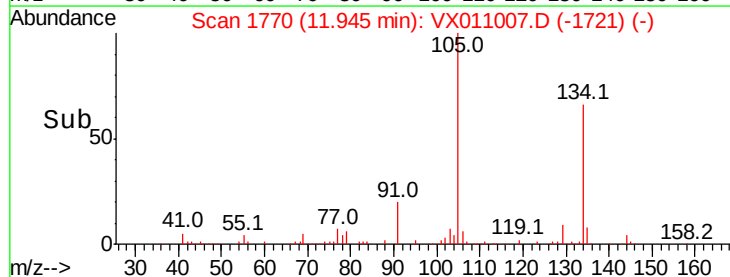
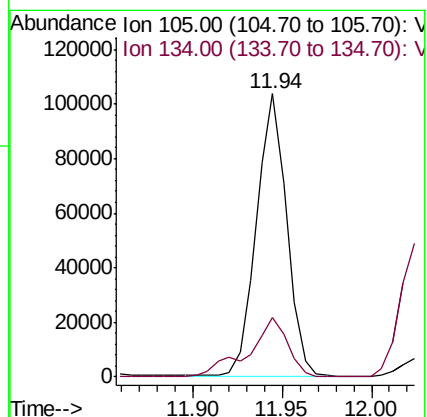
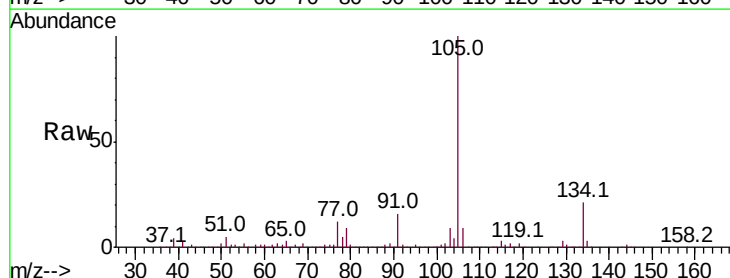
Acq: 19 Jul 2019 17:01

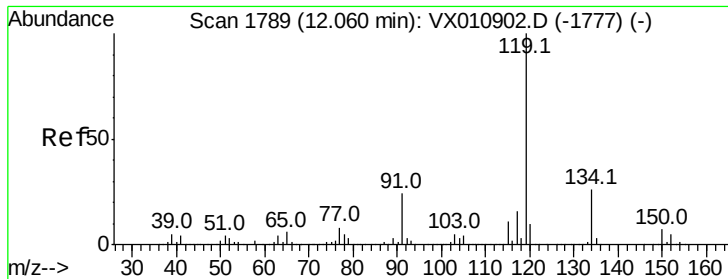
Tgt Ion:105 Resp: 123157

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.4#





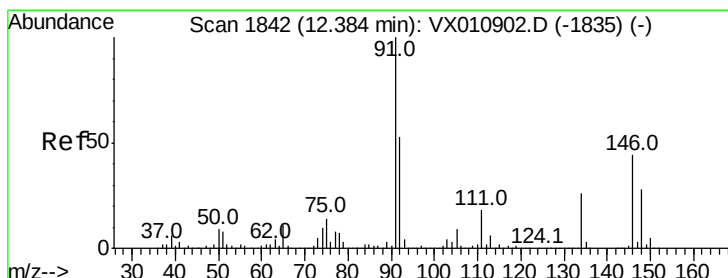
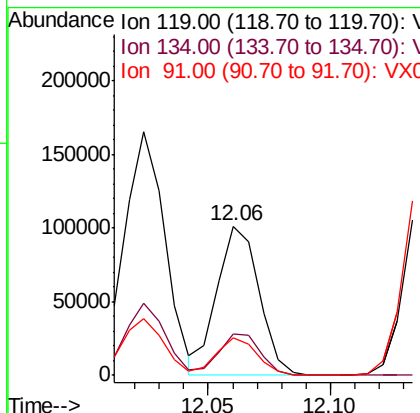
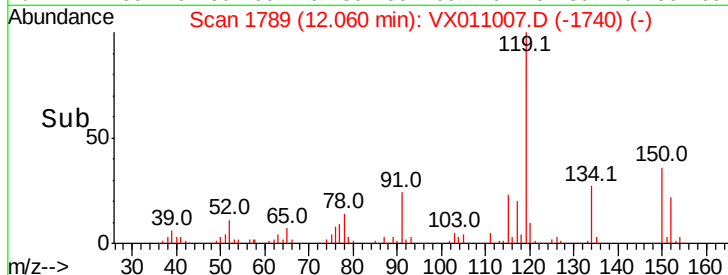
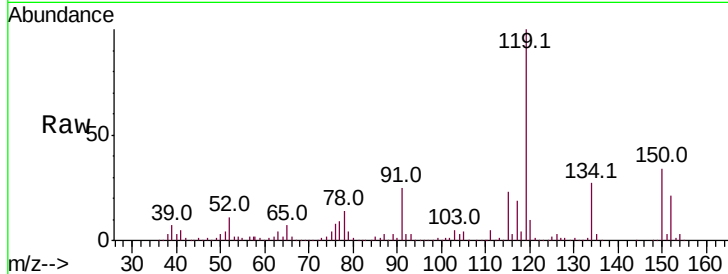
#86
p-Isopropyltoluene
Concen: 10.202 ug/l
RT: 12.06 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VX011007.D
Acq: 19 Jul 2019 17:01

Instrument :
MSVOA_X
ClientSampled :
FL-0623

Tot Ion	Ratio	Resp	Lower	Upper
119	100	121251		
134	27.6	13.4	40.1	
91	24.4	11.8	35.4	

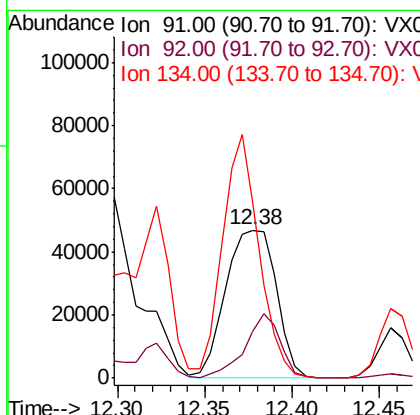
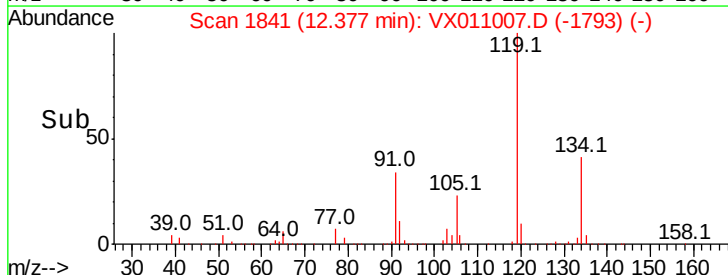
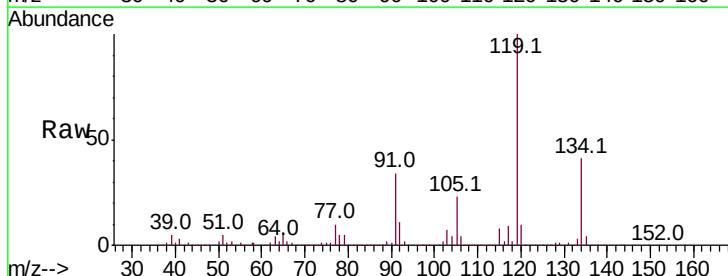
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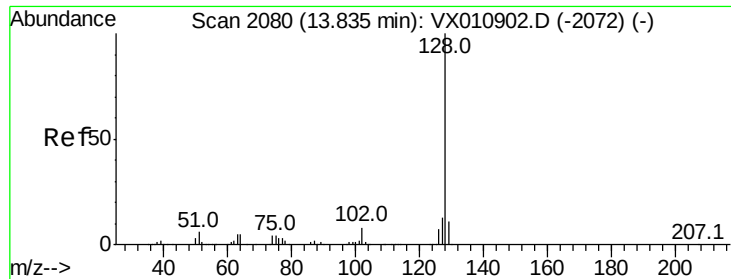
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#89
n-Butylbenzene
Concen: 9.226 ug/l
RT: 12.38 min Scan# 1841
Delta R.T. -0.01 min
Lab File: VX011007.D
Acq: 19 Jul 2019 17:01

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	93817		
92	30.9	26.2	78.5	
134	119.2	13.8	41.3#	





#95
Naphthalene
Concen: 49.458 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX011007.D
Acq: 19 Jul 2019 17:01

Instrument :
MSVOA_X
ClientSampleId :
FL-0623

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.1	8.9	13.3

Manual Integrations
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