

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\
 Data File : VX011004.D
 Acq On : 19 Jul 2019 15:51
 Operator : JC/SP
 Sample : K3884-19
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0619

Manual Integrations
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 7/22/2019 5:23:04 PM

Quant Time: Jul 20 01:41:32 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	234391	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	367806	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	364328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177793	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	127017	50.94	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.88%	
35) Dibromofluoromethane	5.50	113	112723	48.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.56%	
50) Toluene-d8	8.72	98	459388	52.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.94%	
62) 4-Bromofluorobenzene	11.13	95	175942	54.67	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.34%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.45	43	12997838	11541.181	ug/l	100
25) 2-Butanone	4.68	43	10225	6.325	ug/l	99
31) Cyclohexane	5.59	56	1818099	536.997	ug/l	98
39) Methylcyclohexane	7.47	83	1546455	394.715	ug/l	100
40) Benzene	6.14	78	66653	7.202	ug/l	98
52) Toluene	8.80	92	26402749m	4342.861	ug/l	
67) Ethyl Benzene	10.26	91	12650487	993.210	ug/l	89
68) m/p-Xylenes	10.38	106	14915694	3052.872	ug/l #	56
69) o-Xylene	10.71	106	7797672	1635.318	ug/l	81
73) Isopropylbenzene	11.02	105	1207301	100.496	ug/l	99
78) n-propylbenzene	11.36	91	1582538	119.222	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	2366518	235.746	ug/l	99
83) tert-Butylbenzene	11.77	119	23009m	2.334	ug/l	
84) 1,2,4-Trimethylbenzene	11.81	105	6535845	645.978	ug/l	98
85) sec-Butylbenzene	11.94	105	127139m	11.004	ug/l	
86) p-Isopropyltoluene	12.06	119	132738	12.427	ug/l	99
89) n-Butylbenzene	12.38	91	175944	19.254	ug/l #	28
95) Naphthalene	13.83	128	3083376	270.334	ug/l	100

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

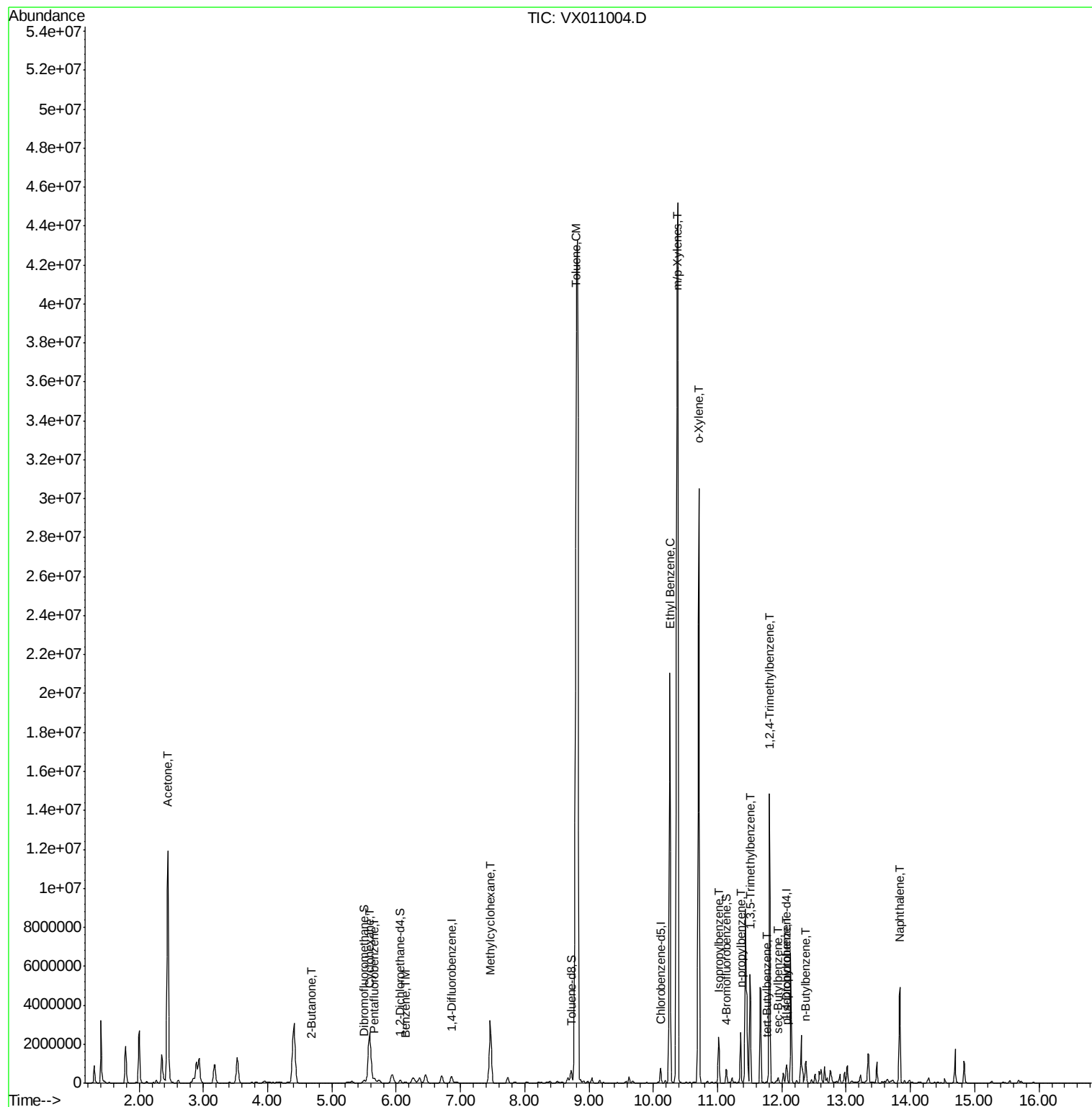
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX072019\
Data File : VX011004.D
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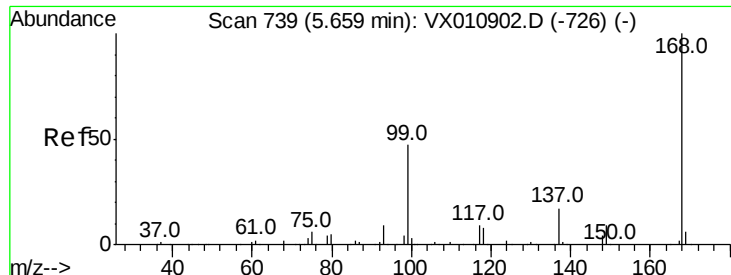
Instrument :
MSVOA_X
ClientSampleId :
FL-0619

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7/22/2019 5:23:04 PM

Quant Time: Jul 20 01:41:32 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: VX011004.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_X

ClientSampled :

FL-0619

Tot Ion:168 Resp: 234391

Ion Ratio Lower Upper

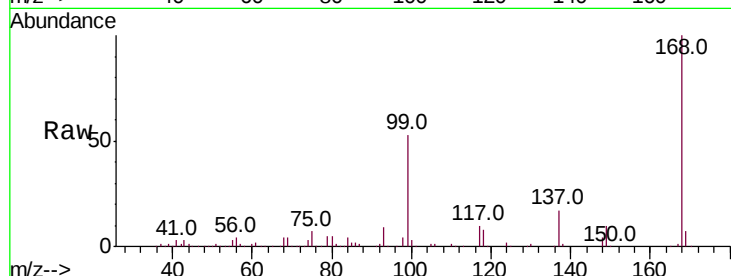
168 100

99 52.9 37.6 56.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

80000

60000

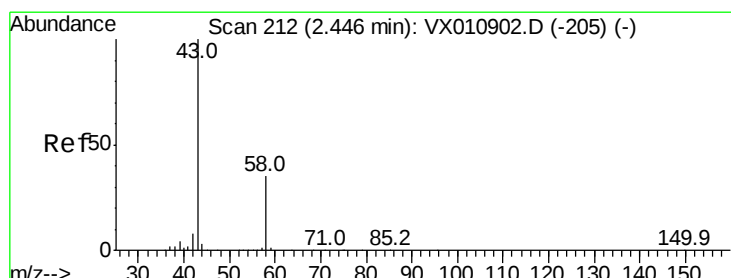
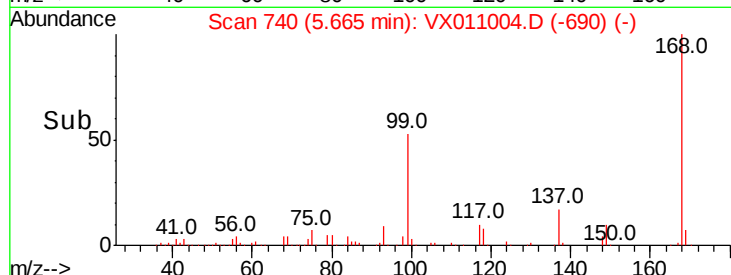
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#16

Acetone

Concen: 11541.181 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX011004.D

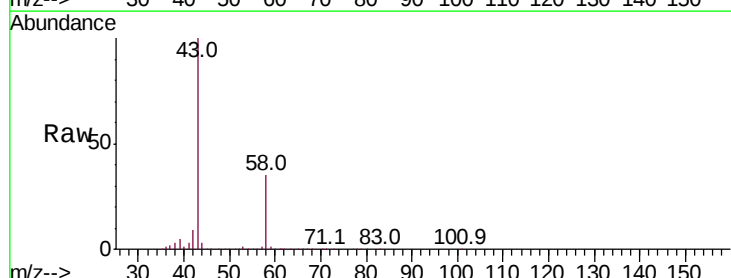
Acq: 19 Jul 2019 15:51

Tgt Ion: 43 Resp:12997838

Ion Ratio Lower Upper

43 100

58 34.6 27.7 41.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

8000000

6000000

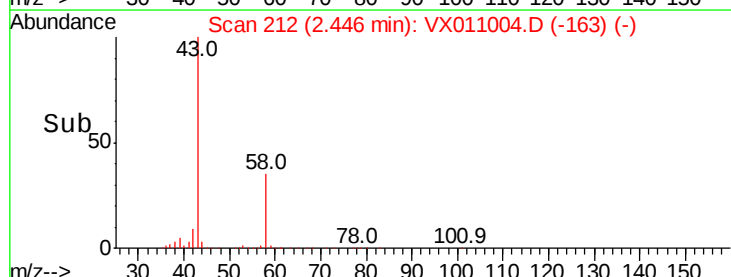
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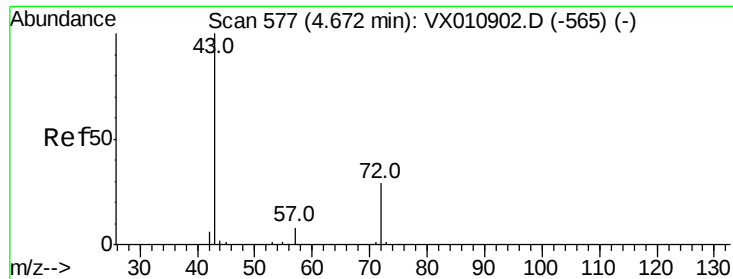
2000000

0

2.30 2.40 2.50 2.60

Time-->





#25

2-Butanone

Concen: 6.325 ug/l

RT: 4.68 min Scan# 578

Delta R.T. 0.01 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

FL-0619

Tot Ion: 43 Resp: 10225

Ion Ratio Lower Upper

43 100

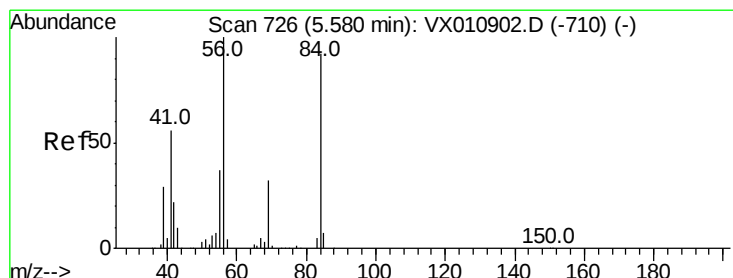
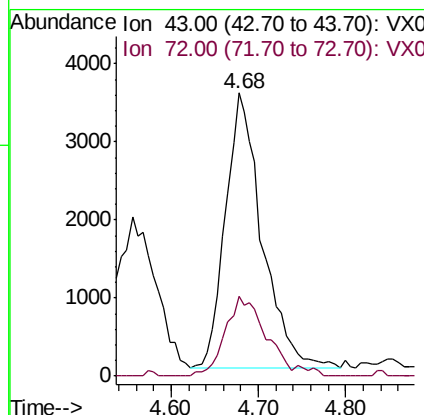
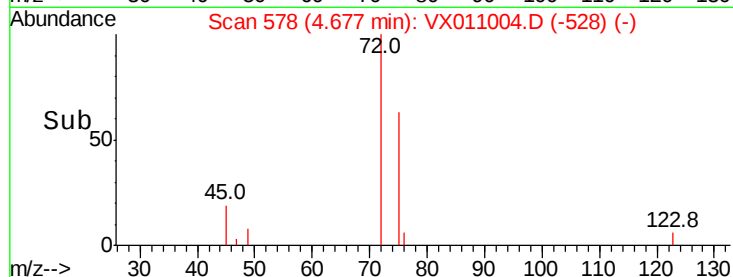
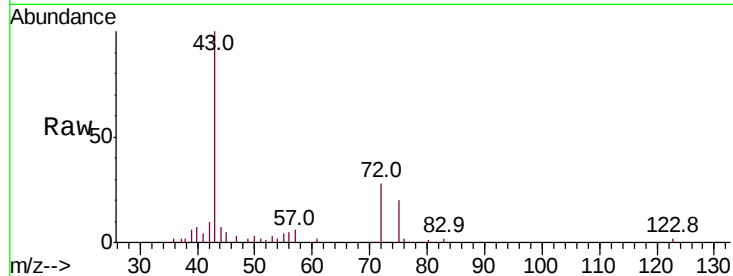
72 29.3 23.0 34.6

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#31

Cyclohexane

Concen: 536.997 ug/l

RT: 5.59 min Scan# 727

Delta R.T. 0.01 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

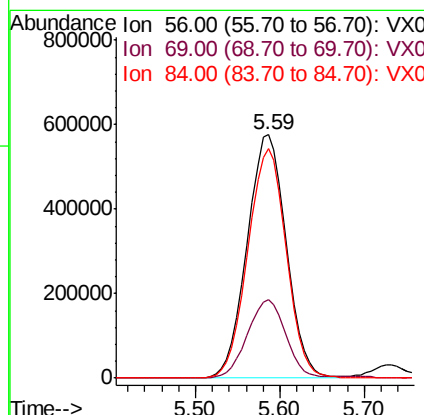
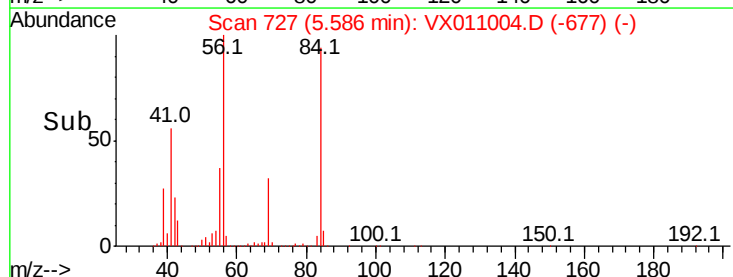
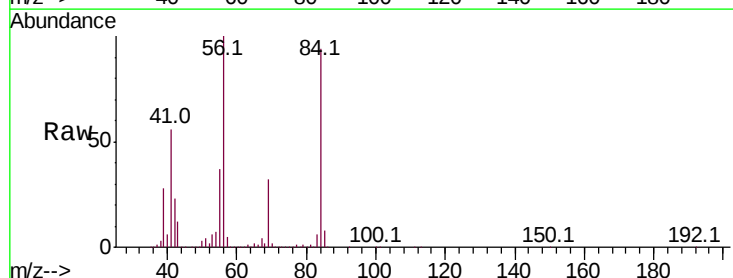
Tgt Ion: 56 Resp: 1818099

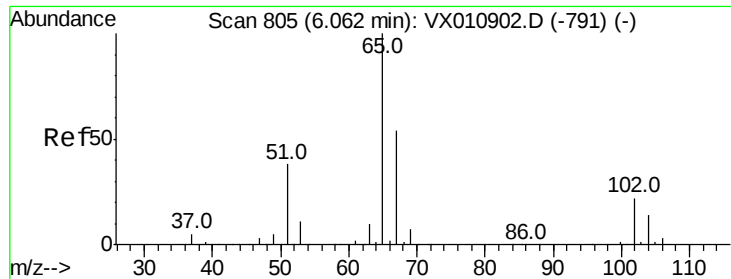
Ion Ratio Lower Upper

56 100

69 31.8 25.8 38.8

84 94.3 73.8 110.6





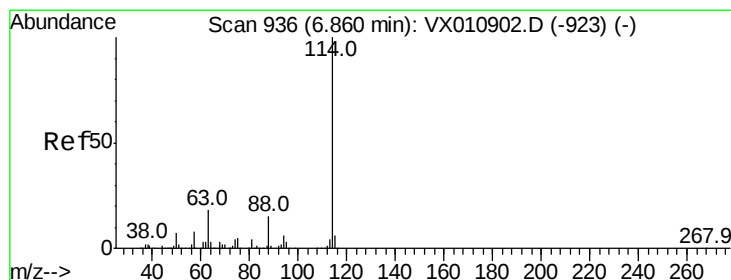
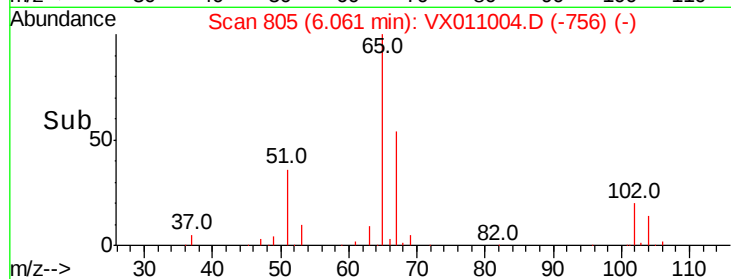
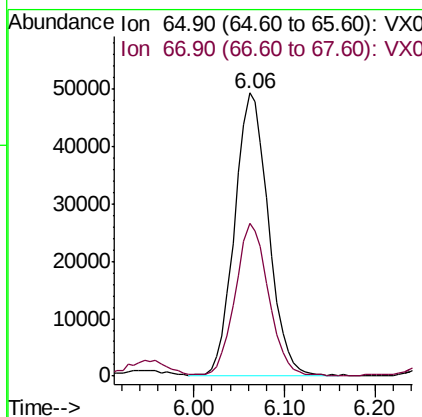
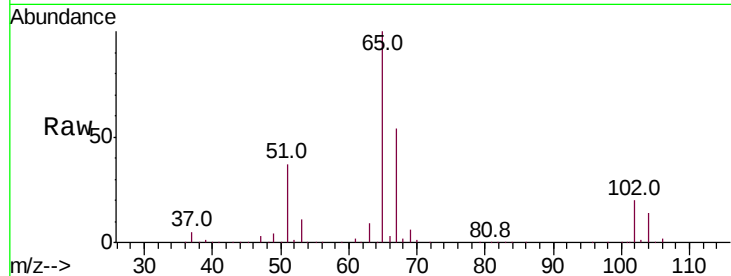
#33
 1,2-Dichloroethane-d4
 Concen: 50.938 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX011004.D
 Acq: 19 Jul 2019 15:51

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0619

Tot Ion	Ratio	Resp	Lower	Upper
65	100	127017		
67	53.1	0.0	107.8	

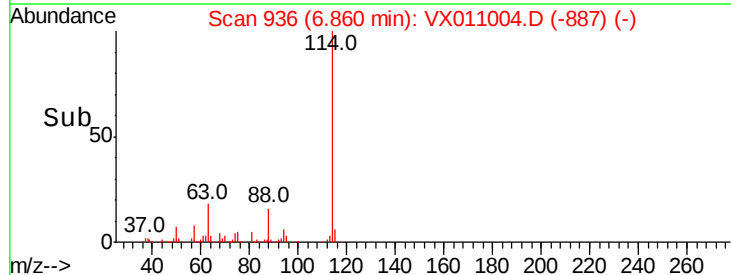
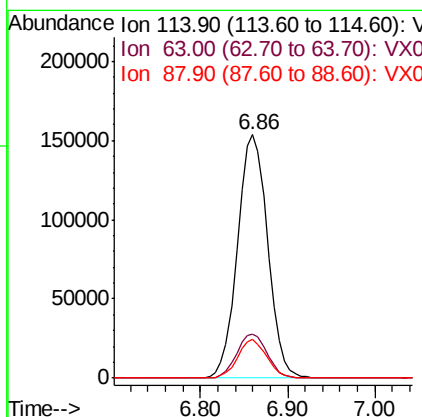
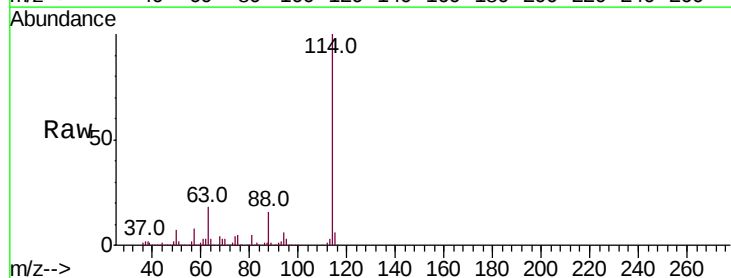
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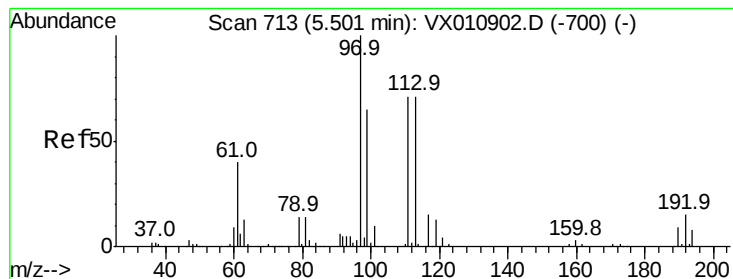
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX011004.D
 Acq: 19 Jul 2019 15:51

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	367806		
63	18.1	0.0	35.6	
88	15.9	0.0	29.8	





#35

Dibromofluoromethane

Concen: 48.285 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_X

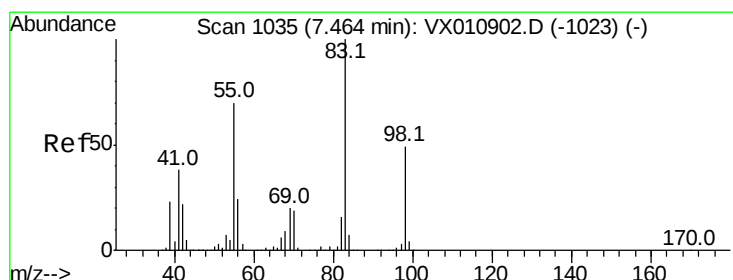
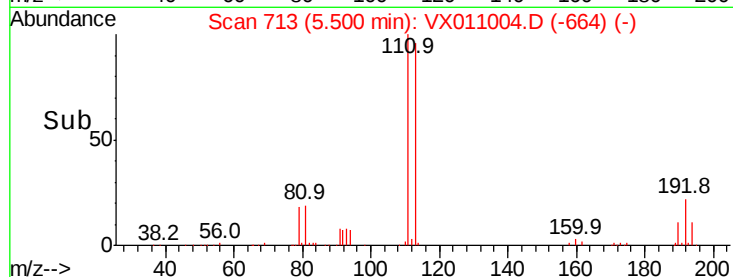
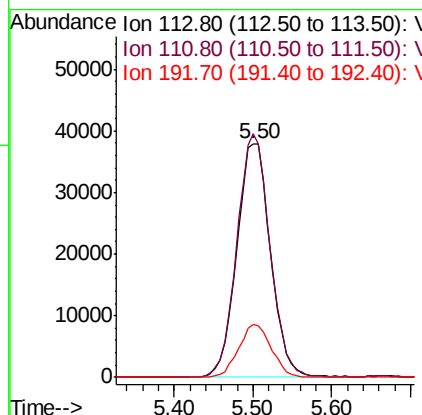
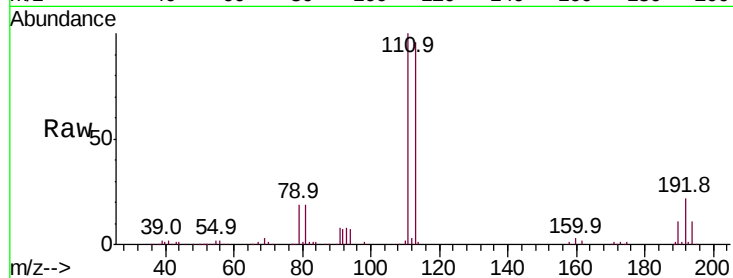
ClientSampled :

FL-0619

Tot Ion:	113	Resp:	112723
Ion Ratio	Lower	Upper	
113	100		
111	101.9	82.3	123.5
192	22.1	17.4	26.2

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#39

Methylcyclohexane

Concen: 394.715 ug/l

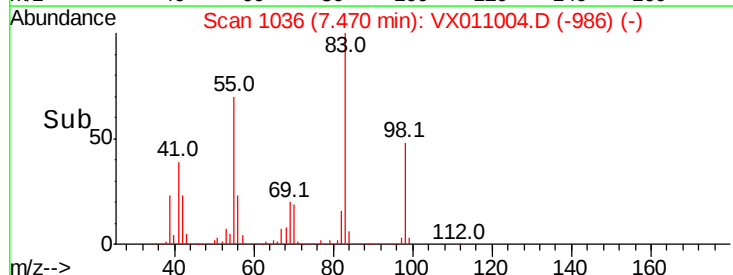
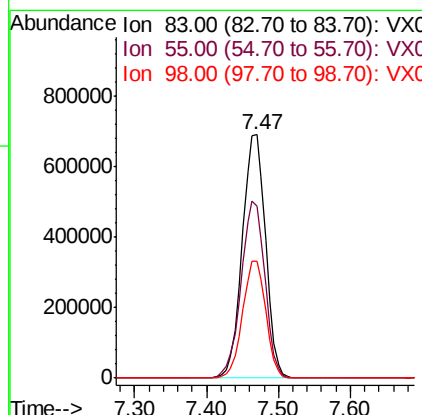
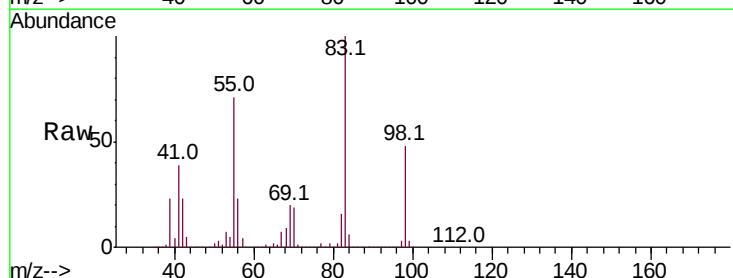
RT: 7.47 min Scan# 1036

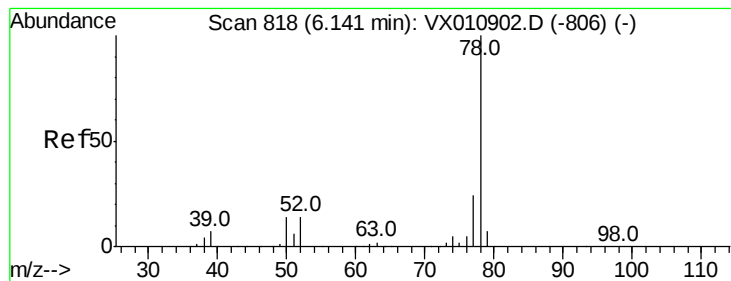
Delta R.T. 0.01 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

Tgt Ion:	83	Resp:	1546455
Ion Ratio	Lower	Upper	
83	100		
55	70.5	56.2	84.4
98	48.2	39.0	58.4





#40

Benzene

Concen: 7.202 ug/l

RT: 6.14 min Scan# 818

Delta R.T. -0.00 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

FL-0619

Tot Ion: 78 Resp: 66653

Ion Ratio Lower Upper

78 100

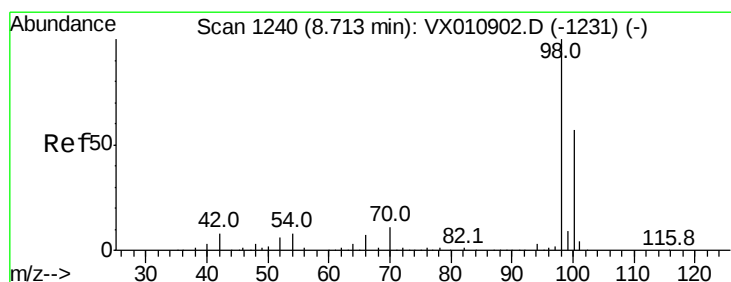
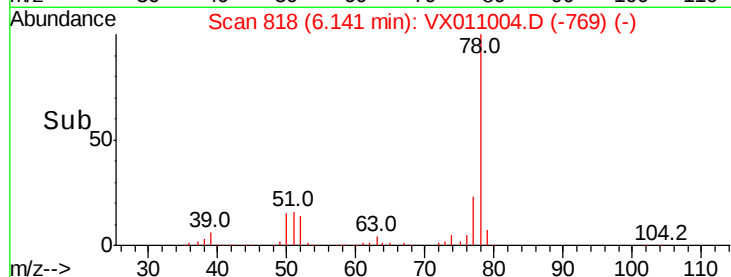
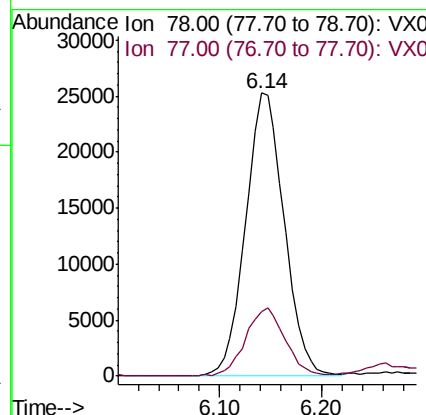
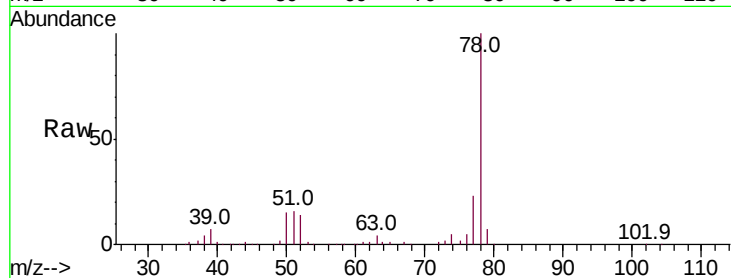
77 22.8 19.0 28.6

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#50

Toluene-d8

Concen: 52.465 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VX011004.D

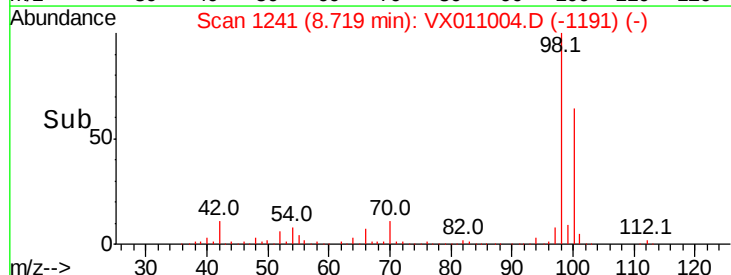
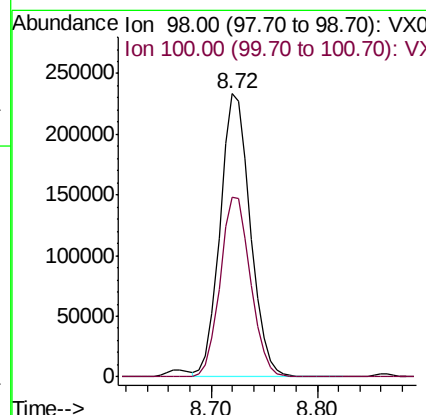
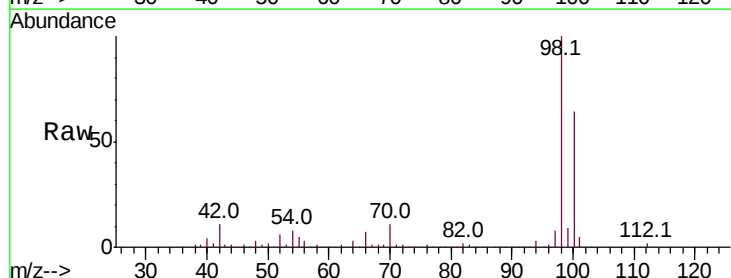
Acq: 19 Jul 2019 15:51

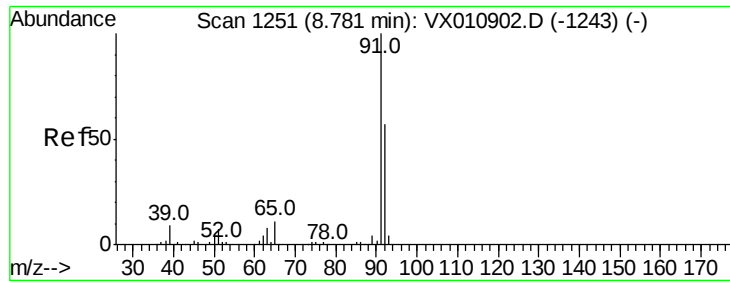
Tgt Ion: 98 Resp: 459388

Ion Ratio Lower Upper

98 100

100 63.8 50.6 75.8





#52

Toluene

Concen: 4342.861 ug/l m

RT: 8.80 min Scan# 1254

Delta R.T. 0.02 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_X

ClientSampleId :

FL-0619

Tot Ion: 92 Resp: 26402749

Ion Ratio Lower Upper

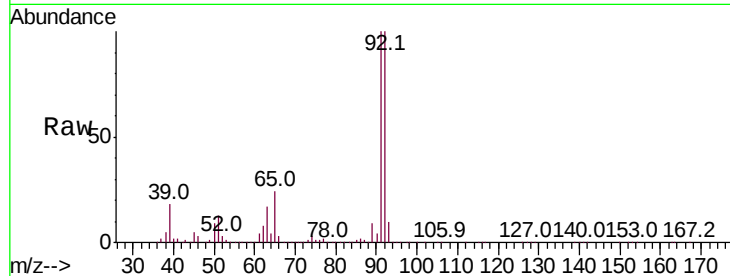
92 100

91 0.0 139.4 209.0#

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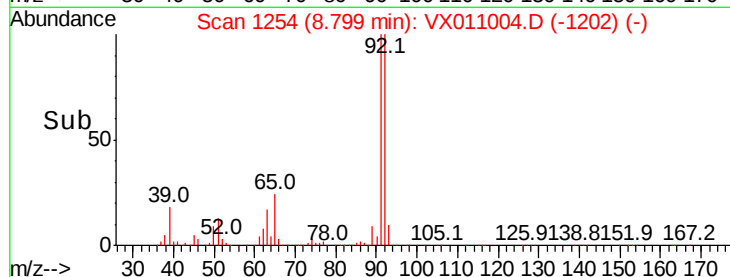
Abundance Ion 92.00 (91.70 to 92.70): VX011004.D (-1202) (-)

Ion 91.00 (90.70 to 91.70): VX011004.D (-1202) (-)

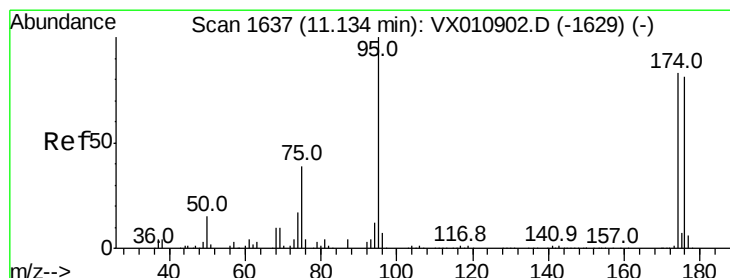
8.80

8.80

8.90



Time-->



#62

4-Bromofluorobenzene

Concen: 54.667 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

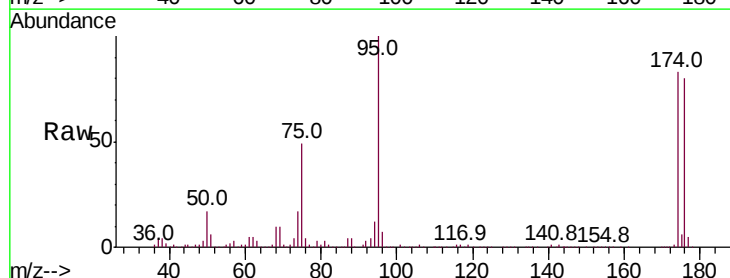
Tgt Ion: 95 Resp: 175942

Ion Ratio Lower Upper

95 100

174 87.3 0.0 180.6

176 85.1 0.0 173.8



Abundance Ion 94.90 (94.60 to 95.60): VX011004.D (-1588) (-)

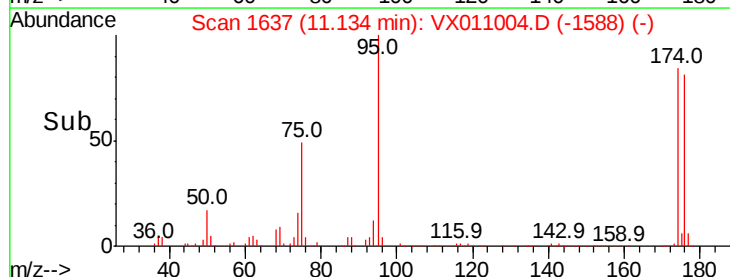
Ion 173.80 (173.50 to 174.50): VX011004.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX011004.D (-1588) (-)

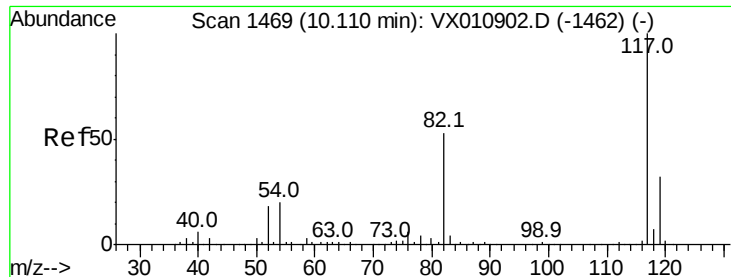
11.13

11.13

11.15



Time-->



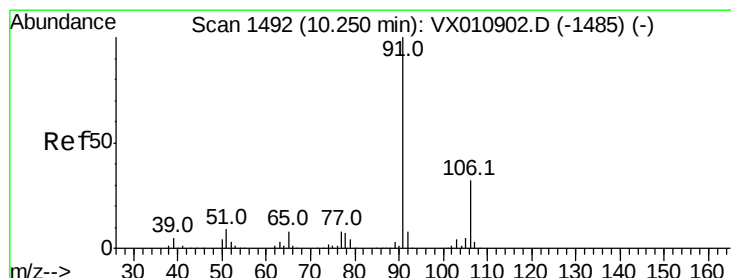
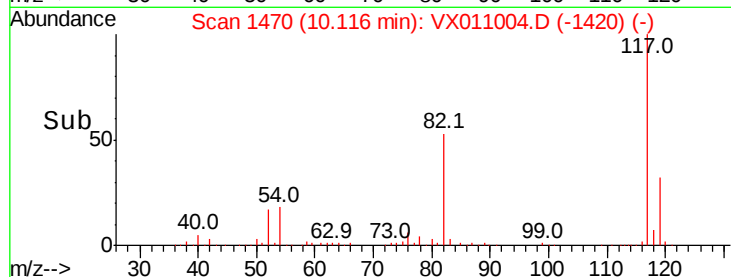
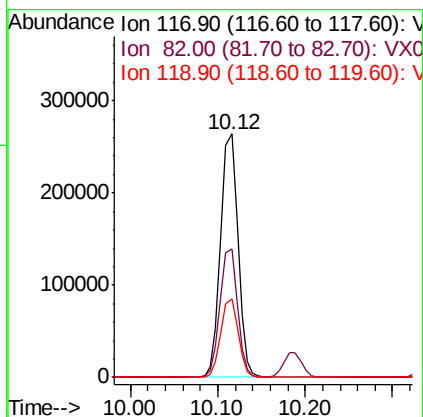
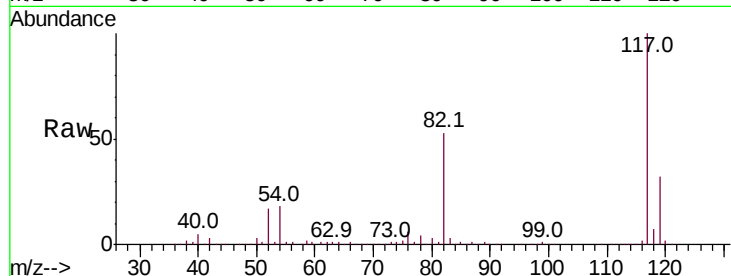
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

Instrument :
MSVOA_X
ClientSampleId :
FL-0619

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.6	63.8
119	32.0	25.9	38.9

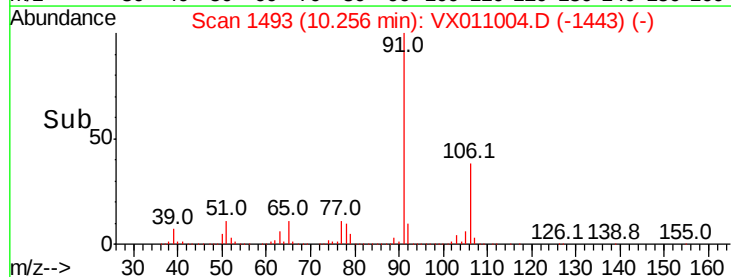
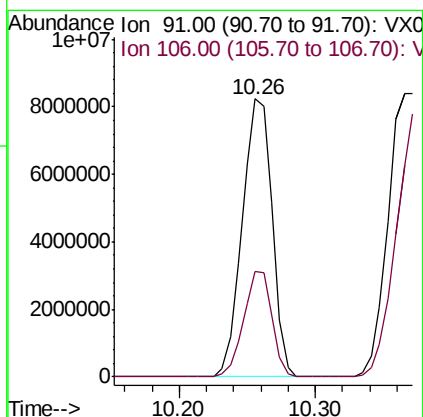
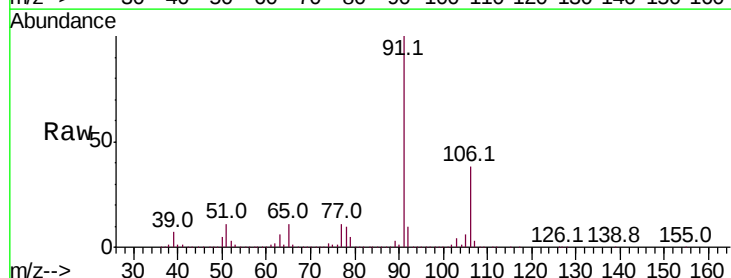
Manual Integrations
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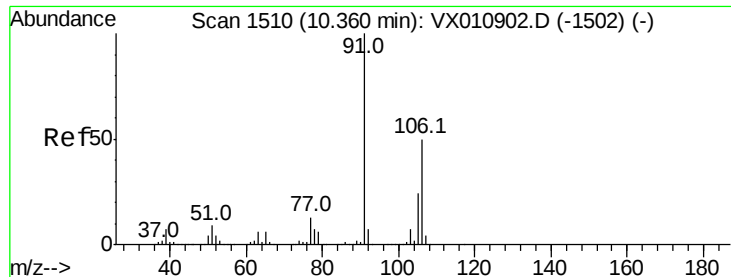
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#67
Ethyl Benzene
Concen: 993.210 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

Tgt Ion	Ratio	Lower	Upper
91	100		
106	38.0	25.4	38.2





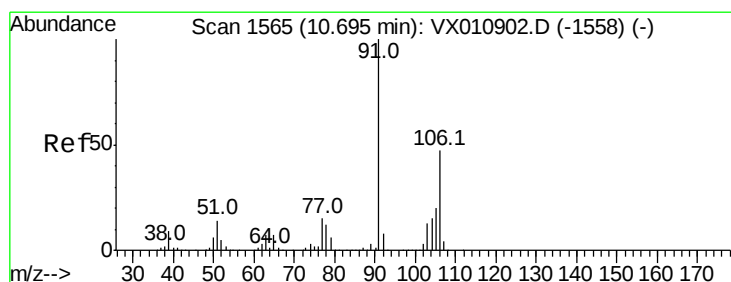
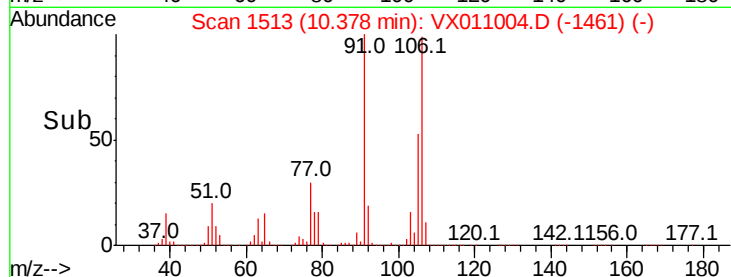
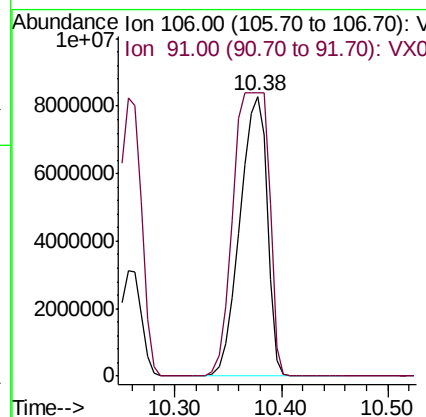
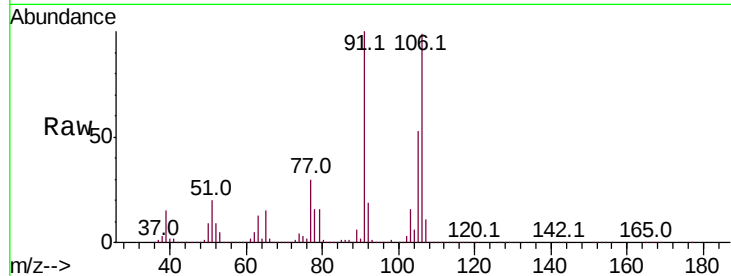
#68
m/p-Xvlenes
Concen: 3052.872 ug/l
RT: 10.38 min Scan# 1513
Delta R.T. 0.02 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

Instrument :
MSVOA_X
ClientSampleId :
FL-0619

Tot Ion:106 Resp:14915694
Ion Ratio Lower Upper
106 100
91 134.1 160.1 240.1#

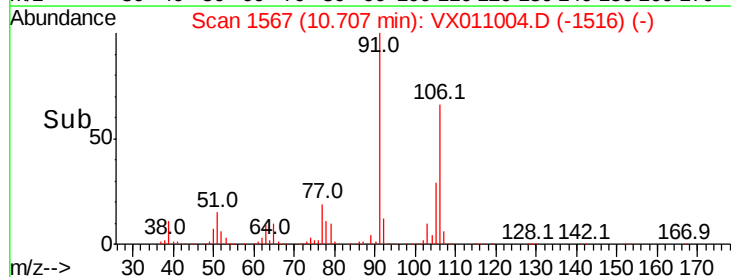
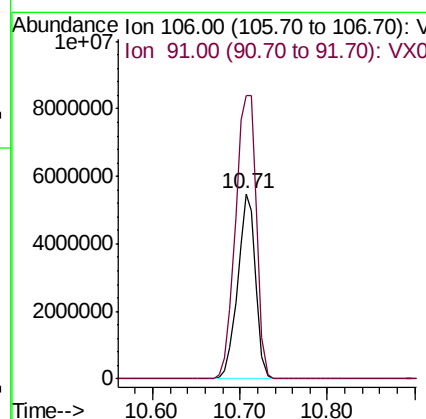
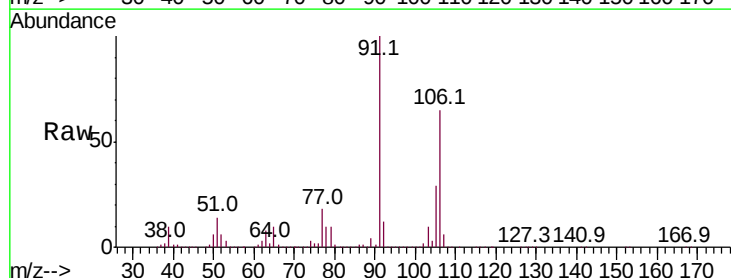
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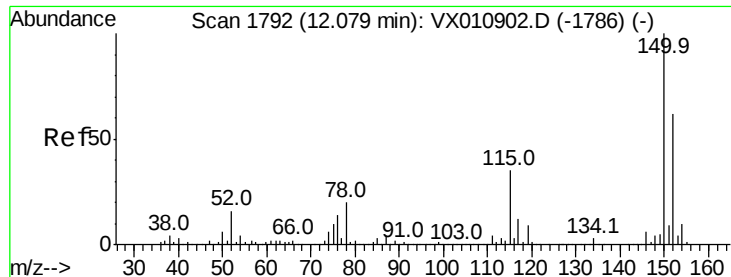
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#69
o-Xylene
Concen: 1635.318 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. 0.01 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

Tgt Ion:106 Resp: 7797672
Ion Ratio Lower Upper
106 100
91 180.1 105.1 315.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_X

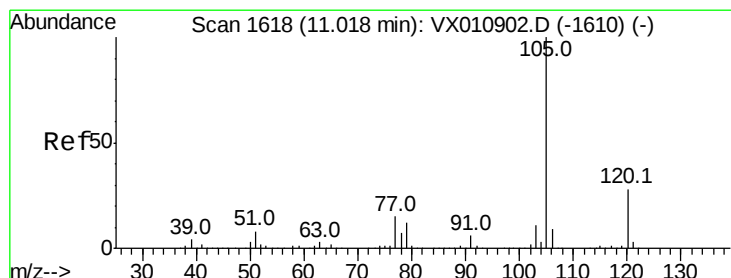
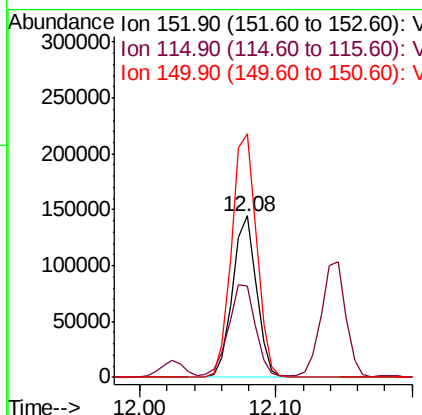
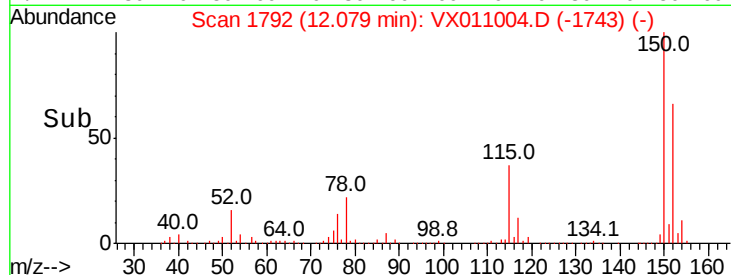
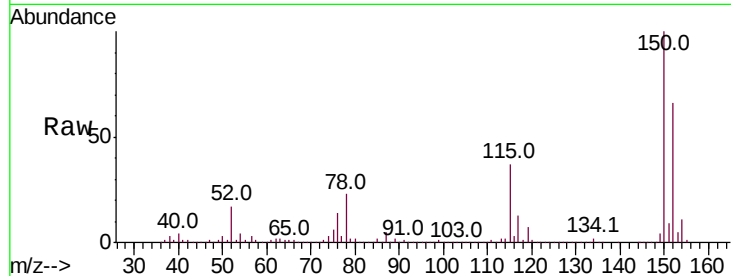
ClientSampled :

FL-0619

Tot Ion:	152	Resp:	177793
Ion Ratio	Lower	Upper	
152	100		
115	64.3	39.7	119.1
150	156.7	0.0	345.6

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#73

Isopropylbenzene

Concen: 100.496 ug/l

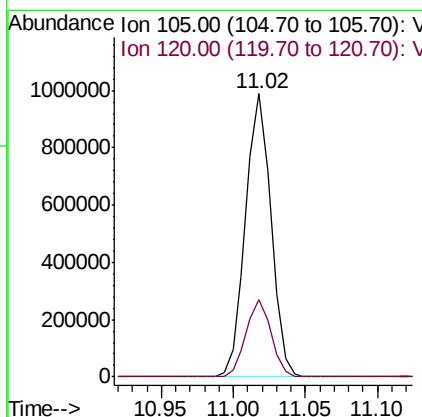
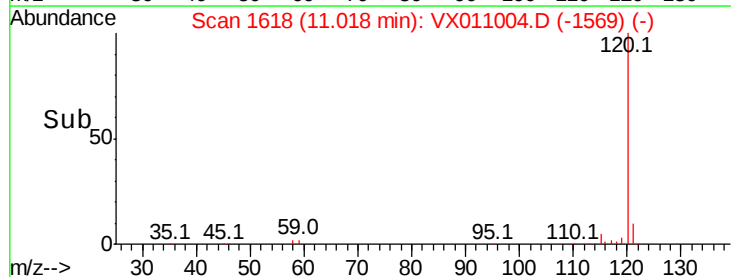
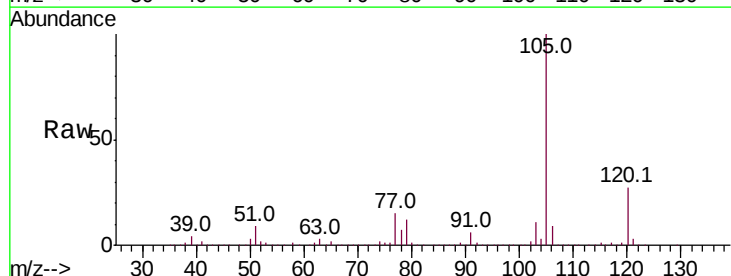
RT: 11.02 min Scan# 1618

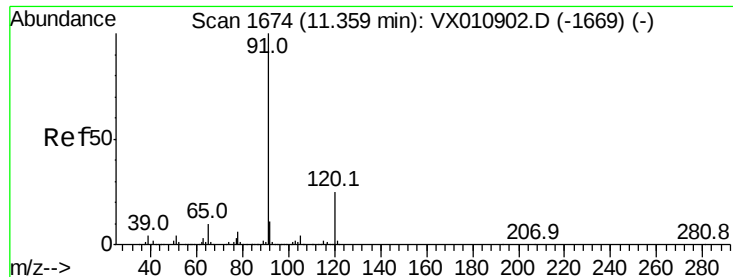
Delta R.T. -0.00 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

Tgt Ion:	105	Resp:	1207301
Ion Ratio	Lower	Upper	
105	100		
120	27.0	13.7	41.1





#78

n-propylbenzene

Concen: 119.222 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_X

ClientSampled :

FL-0619

Tot Ion: 91 Resp: 1582538

Ion Ratio Lower Upper

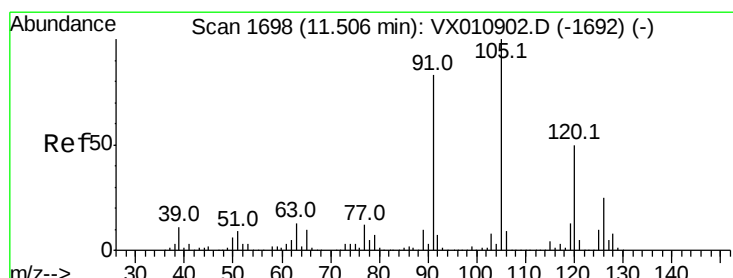
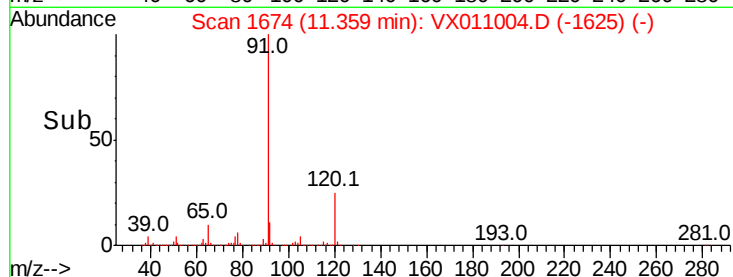
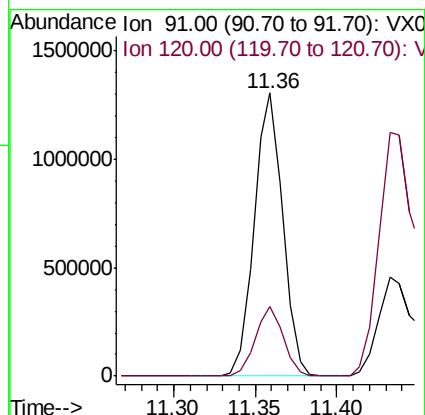
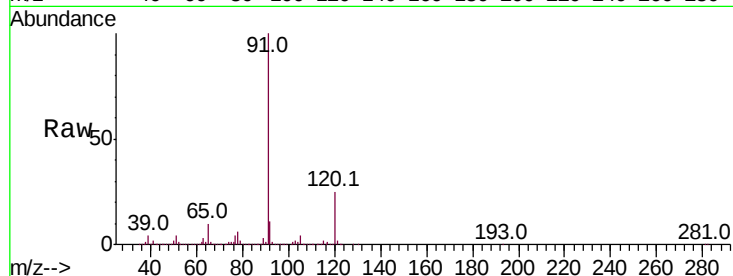
91 100

120 24.1 12.3 36.8

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#80

1,3,5-Trimethylbenzene

Concen: 235.746 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX011004.D

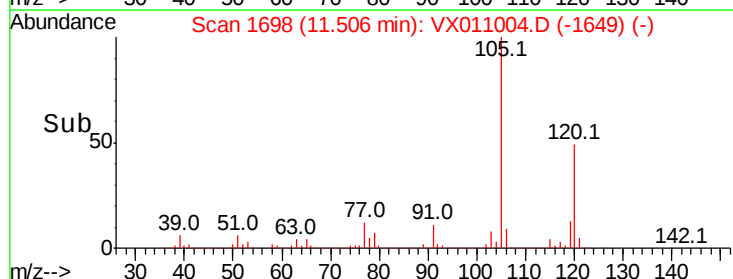
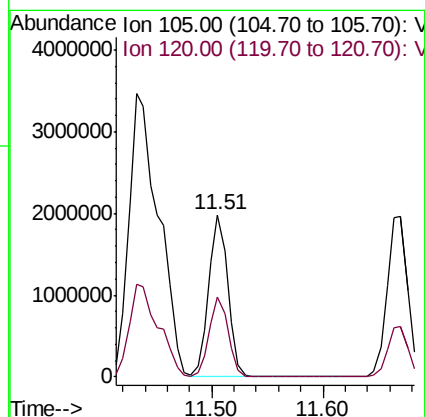
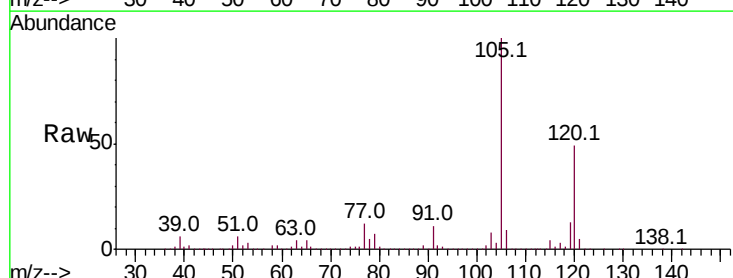
Acq: 19 Jul 2019 15:51

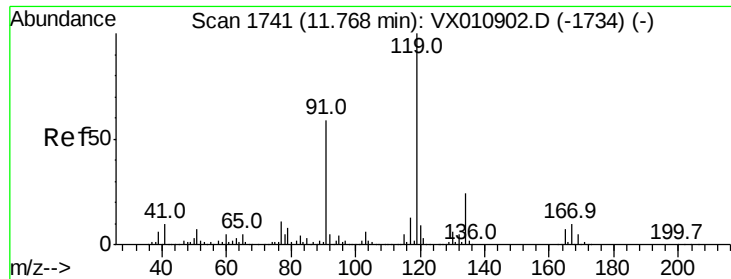
Tgt Ion: 105 Resp: 2366518

Ion Ratio Lower Upper

105 100

120 48.6 24.6 73.8





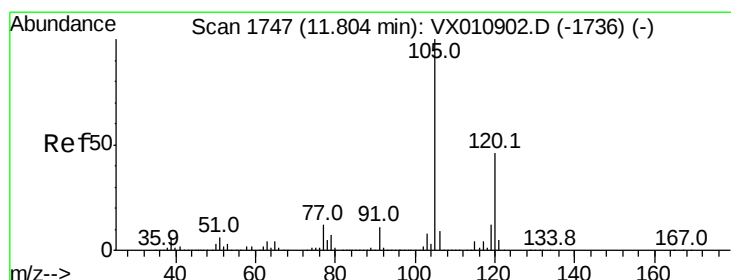
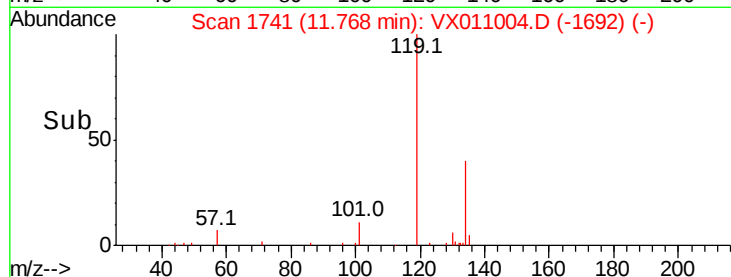
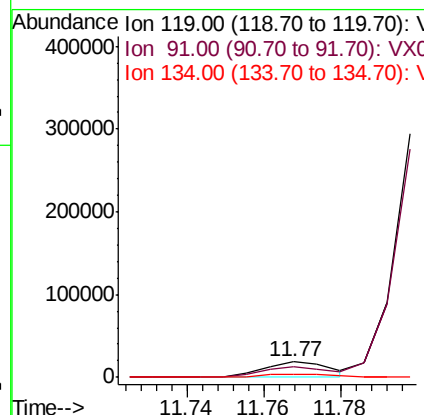
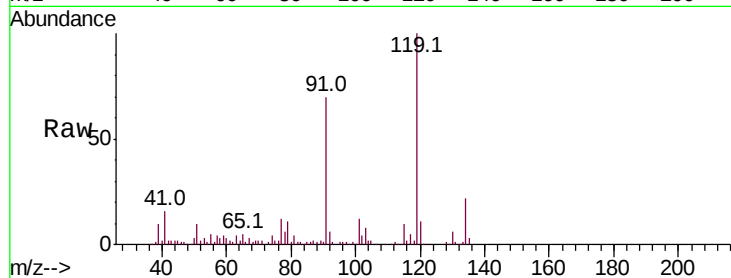
#83
tert-Butylbenzene
Concen: 2.334 ug/l m
RT: 11.77 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

Instrument :
MSVOA_X
ClientSampleId :
FL-0619

Tot Ion:119 Resp: 23009
Ion Ratio Lower Upper
119 100
91 3132.7 28.6 85.8
134 0.0 11.6 34.8#

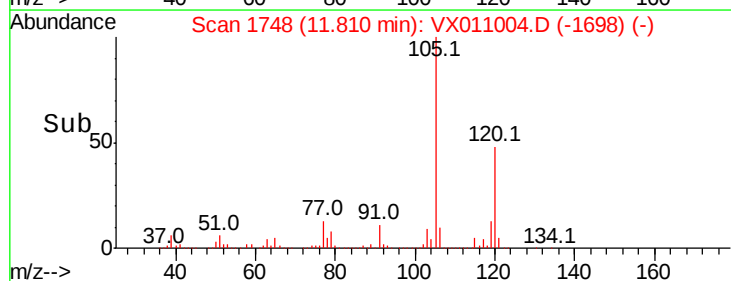
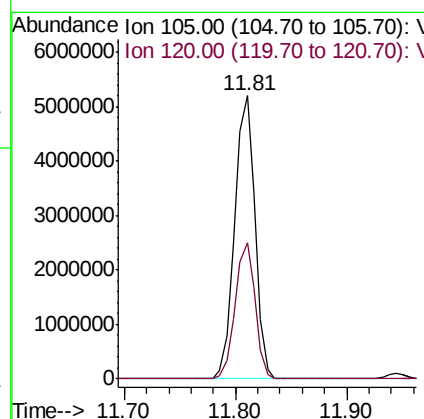
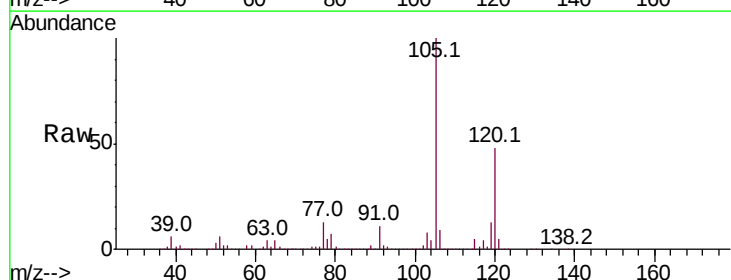
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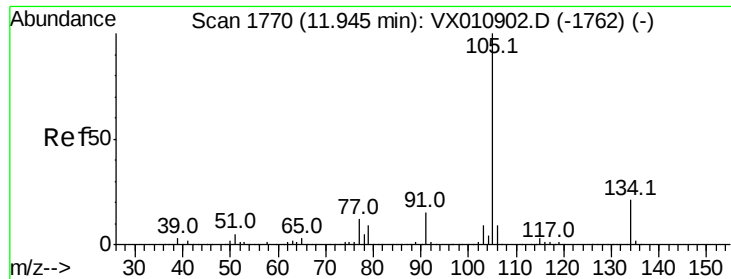
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#84
1,2,4-Trimethylbenzene
Concen: 645.978 ug/l
RT: 11.81 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

Tgt Ion:105 Resp: 6535845
Ion Ratio Lower Upper
105 100
120 47.3 22.9 68.5





#85

sec-Butylbenzene

Concen: 11.004 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. -0.00 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

Instrument :

MSVOA_X

ClientSampled :

FL-0619

Tot Ion:105 Resp: 127139

Ion Ratio Lower Upper

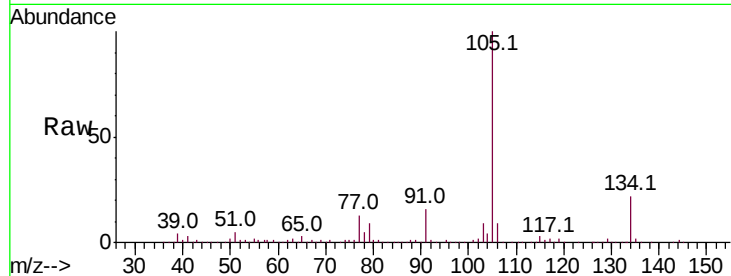
105 100

134 0.0 10.4 31.4#

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

11.94

120000

100000

80000

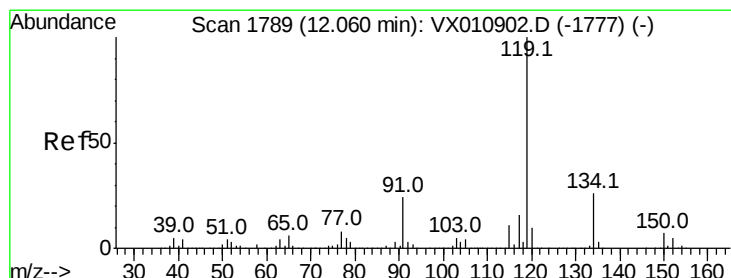
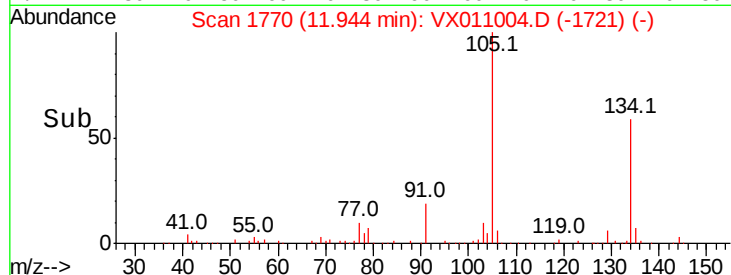
60000

40000

20000

0

Time-->



#86

p-Isopropyltoluene

Concen: 12.427 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. -0.00 min

Lab File: VX011004.D

Acq: 19 Jul 2019 15:51

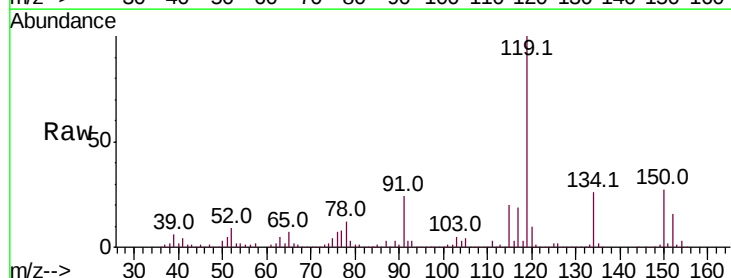
Tgt Ion:119 Resp: 132738

Ion Ratio Lower Upper

119 100

134 27.1 13.4 40.1

91 24.3 11.8 35.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VX0

250000

200000

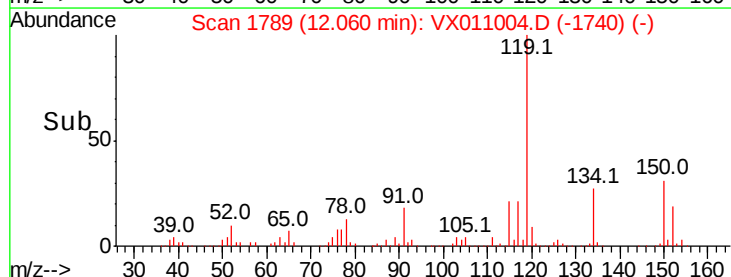
150000

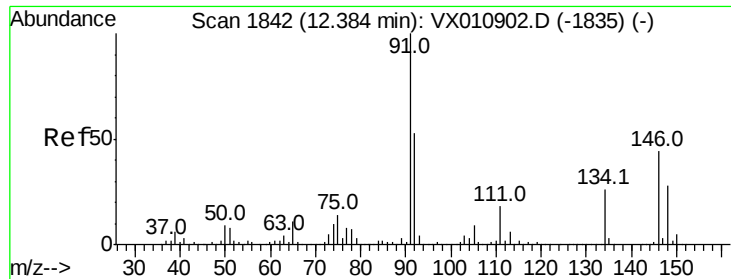
100000

50000

0

Time-->





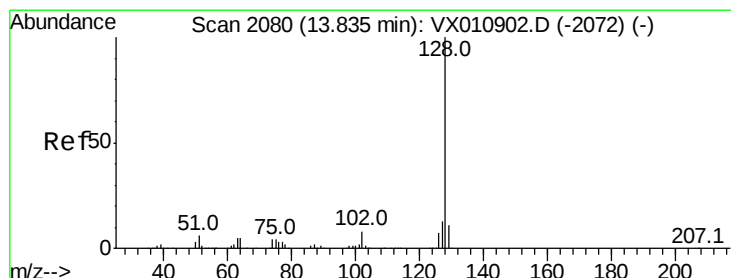
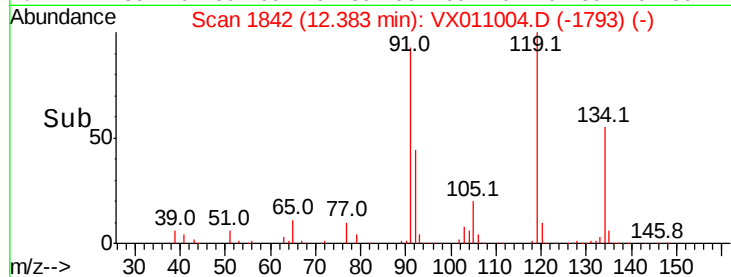
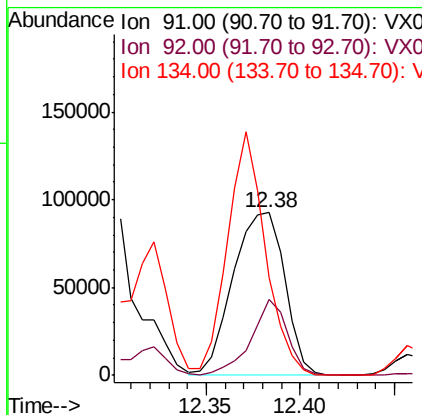
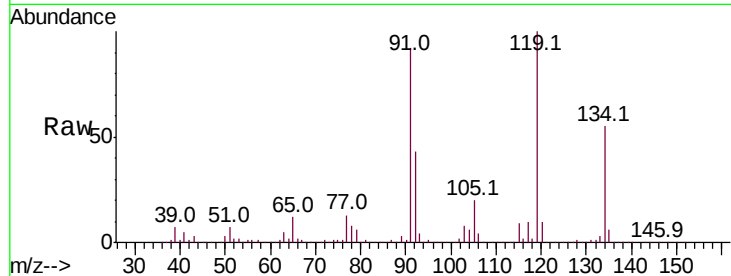
#89
n-Butylbenzene
Concen: 19.254 ug/l
RT: 12.38 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

Instrument :
MSVOA_X
ClientSampled :
FL-0619

Tot Ion	Ratio	Lower	Upper
91	100		
92	32.5	26.2	78.5
134	108.9	13.8	41.3

Manual Integrations
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#95
Naphthalene
Concen: 270.334 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX011004.D
Acq: 19 Jul 2019 15:51

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.3	8.9	13.3

