

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041720\
 Data File : VX015750.D
 Acq On : 17 Apr 2020 19:48
 Operator : JC/SP
 Sample : L2305-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 I-L-C-1

Manual Integrations
 APPROVED

MMDadoda
 4/20/2020 10:03:32 AM

Quant Time: Apr 20 09:21:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1074205	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1626023	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1602670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	906126	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	604497	39.90	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	79.80%	
35) Dibromofluoromethane	5.47	113	508385	48.91	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.82%	
50) Toluene-d8	8.70	98	1938129	50.65	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.30%	
62) 4-Bromofluorobenzene	11.12	95	848721	54.57	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	109.14%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	48780m	13.452	ug/l	
16) Acetone	2.42	43	3166481	486.477	ug/l	95
17) Carbon Disulfide	2.53	76	57101494m	1845.693	ug/l	
25) 2-Butanone	4.64	43	658945	62.949	ug/l	100
40) Benzene	6.12	78	5609932	127.828	ug/l	99
52) Toluene	8.77	92	1682157	62.171	ug/l	97
67) Ethyl Benzene	10.24	91	1210978	21.362	ug/l	99
68) m/p-Xylenes	10.34	106	1917551	90.842	ug/l	99
69) o-Xylene	10.68	106	776817	37.242	ug/l	99
73) Isopropylbenzene	11.00	105	29477	0.496	ug/l	99
78) n-propylbenzene	11.34	91	67721	0.998	ug/l	91
80) 1,3,5-Trimethylbenzene	11.49	105	289563	5.711	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	1022576	19.790	ug/l	99
86) p-Isopropyltoluene	12.05	119	185668	3.492	ug/l	99
95) Naphthalene	13.81	128	19848919m	296.505	ug/l	

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

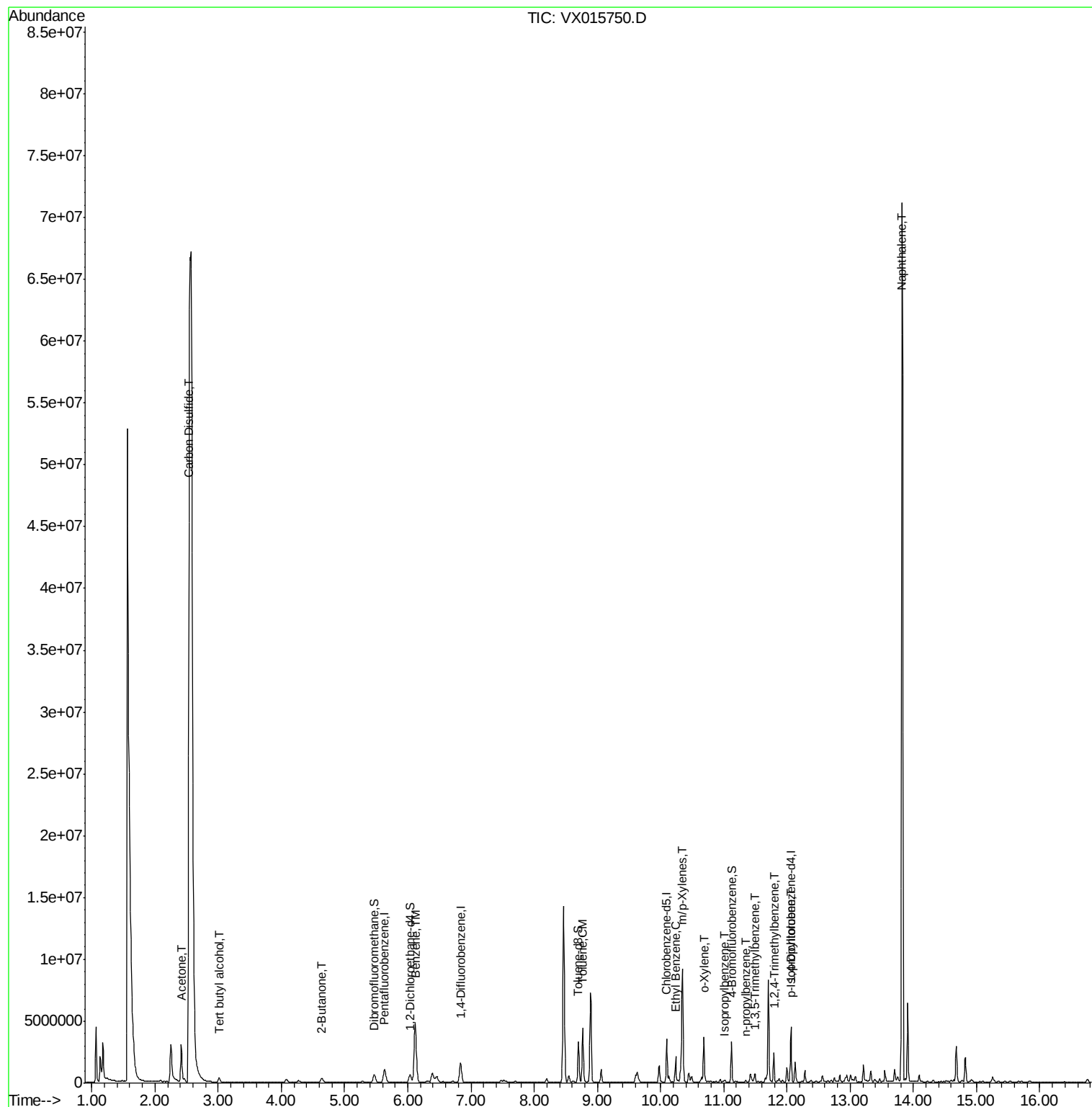
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX041720\
Data File : VX015750.D
Acq On : 17 Apr 2020 19:48
Operator : JC/SP
Sample : L2305-02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 22 Sample Multiplier: 1

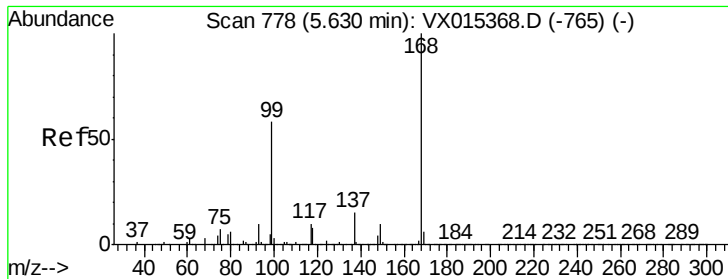
Instrument :
MSVOA_X
ClientSampleId :
I-L-C-1

Manual Integrations
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4/20/2020 10:03:32 AM

Quant Time: Apr 20 09:21:06 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

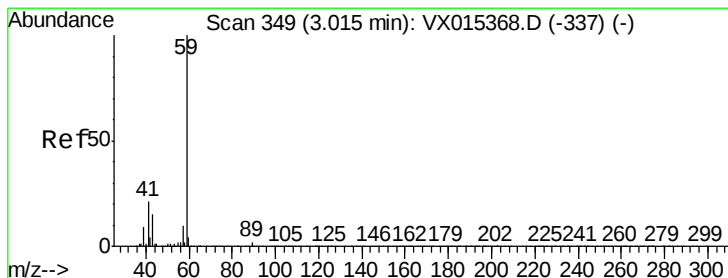
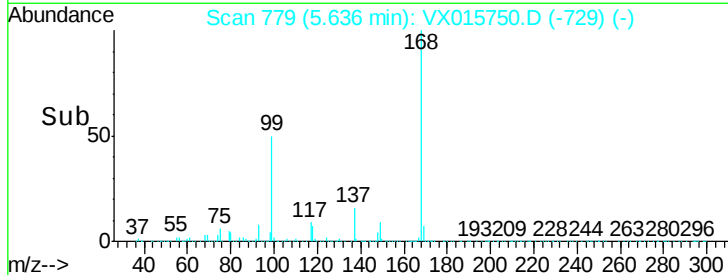
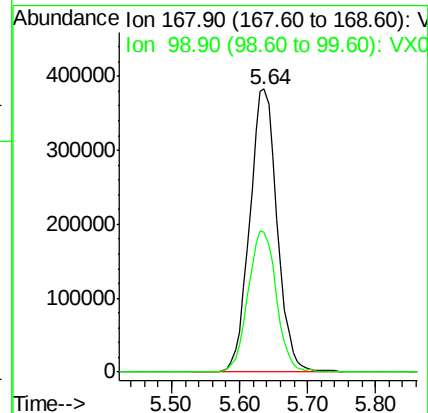
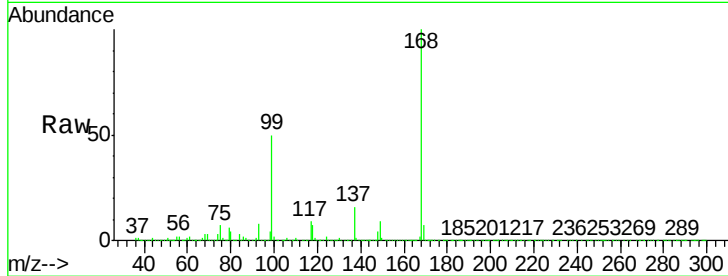
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. 0.01 min
 Lab File: VX015750.D
 Acq: 17 Apr 2020 19:48

Instrument :
 MSVOA_X
 ClientSampled :
 I-L-C-1

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.5	46.4	69.6

Manual Integrations
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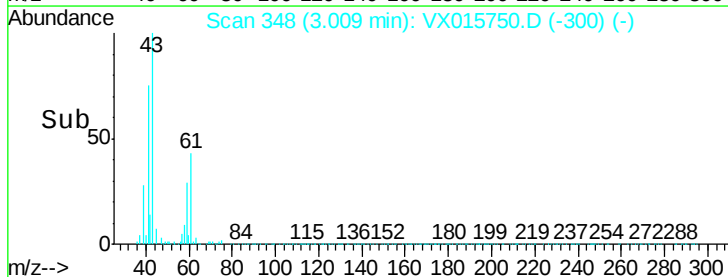
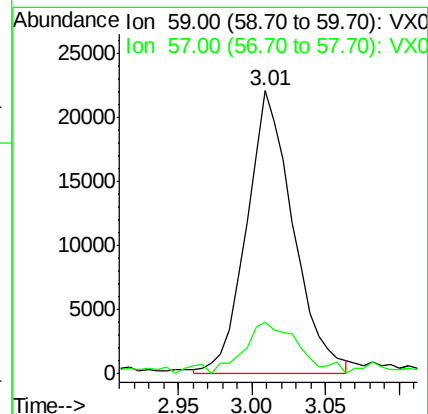
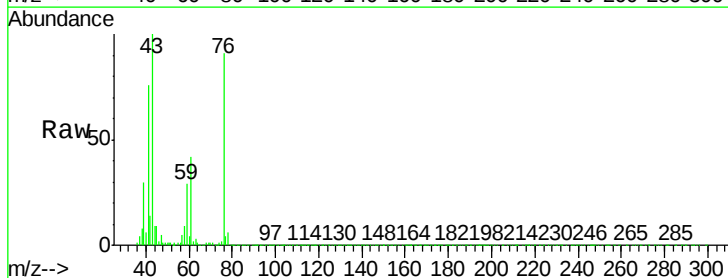
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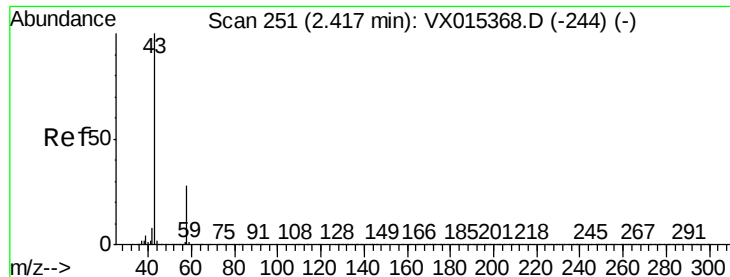


#11

Tert butyl alcohol
 Concen: 13.452 ug/l m
 RT: 3.01 min Scan# 348
 Delta R.T. -0.01 min
 Lab File: VX015750.D
 Acq: 17 Apr 2020 19:48

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.1	12.1#





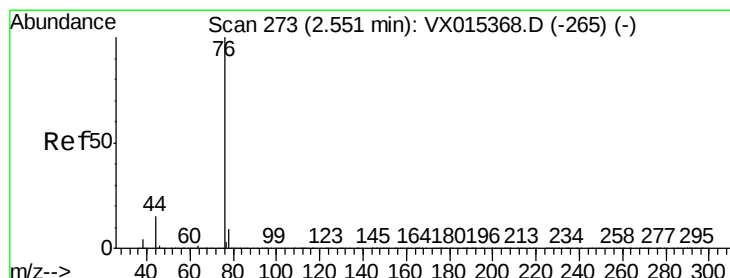
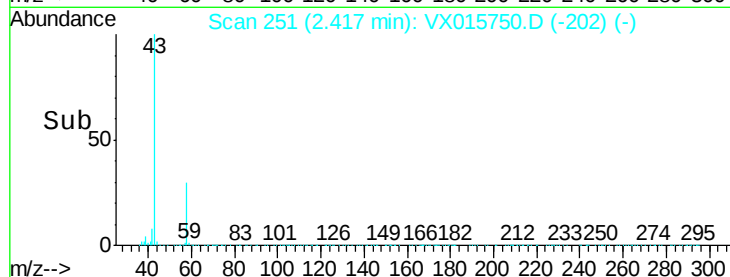
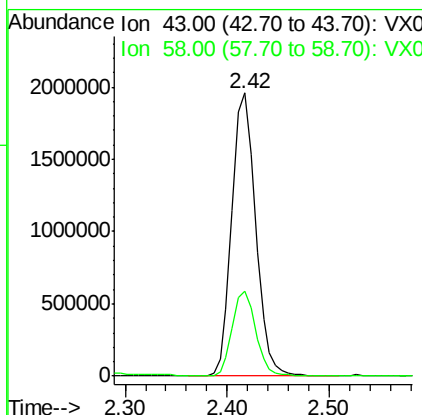
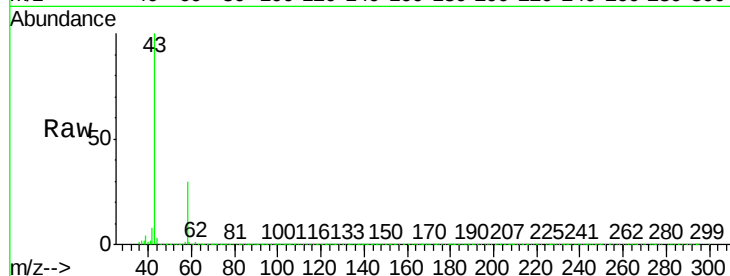
#16
Acetone
Concen: 486.477 ug/l
RT: 2.42 min Scan# 251
Delta R.T. -0.00 min
Lab File: VX015750.D
Acq: 17 Apr 2020 19:48

Instrument :
MSVOA_X
ClientSampled :
I-L-C-1

Tot Ion: 43 Resp: 3166481
Ion Ratio Lower Upper
43 100
58 30.0 22.1 33.1

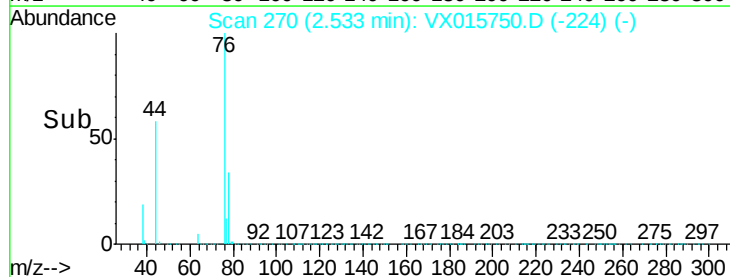
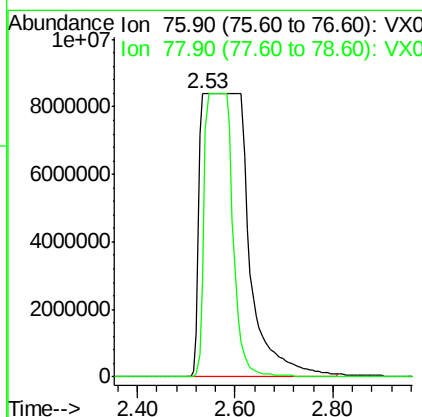
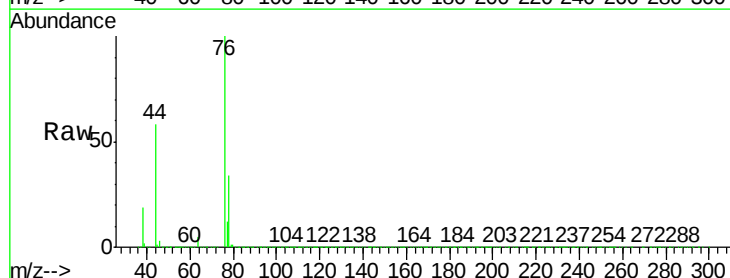
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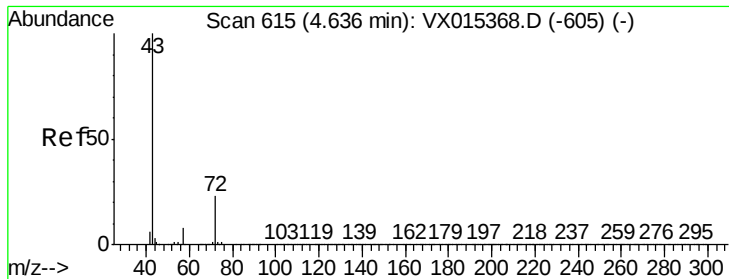
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#17
Carbon Disulfide
Concen: 1845.693 ug/l m
RT: 2.53 min Scan# 270
Delta R.T. -0.02 min
Lab File: VX015750.D
Acq: 17 Apr 2020 19:48

Tgt Ion: 76 Resp: 57101494
Ion Ratio Lower Upper
76 100
78 33.9 7.1 10.7#





#25

2-Butanone

Concen: 62.949 ug/l

RT: 4.64 min Scan# 615

Delta R.T. -0.00 min

Lab File: VX015750.D

Acq: 17 Apr 2020 19:48

Instrument :

MSVOA_X

ClientSampled :

I-L-C-1

Tot Ion: 43 Resp: 658945

Ion Ratio Lower Upper

43 100

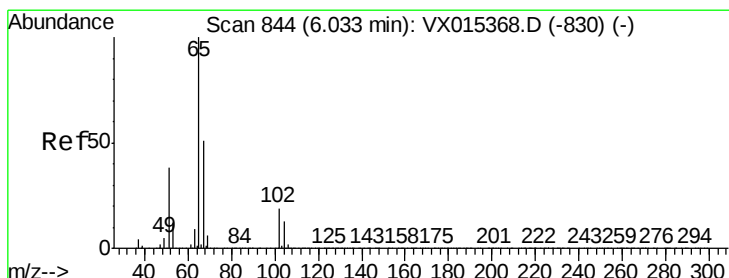
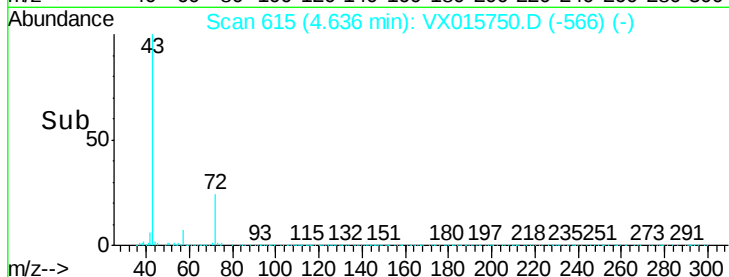
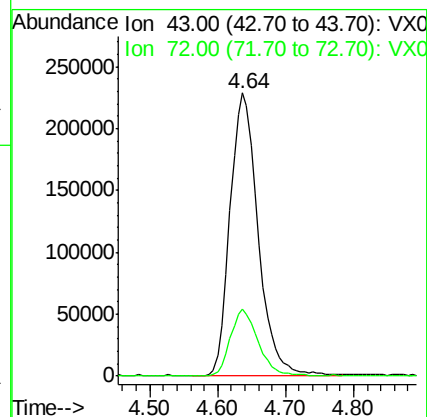
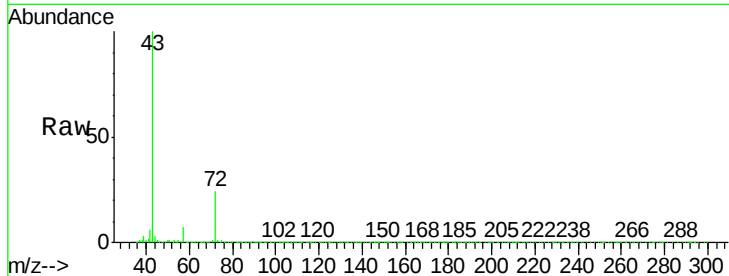
72 23.5 19.0 28.4

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#33

1,2-Dichloroethane-d4

Concen: 39.900 ug/l

RT: 6.03 min Scan# 844

Delta R.T. -0.00 min

Lab File: VX015750.D

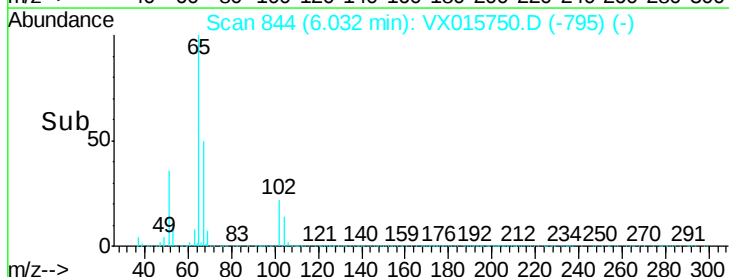
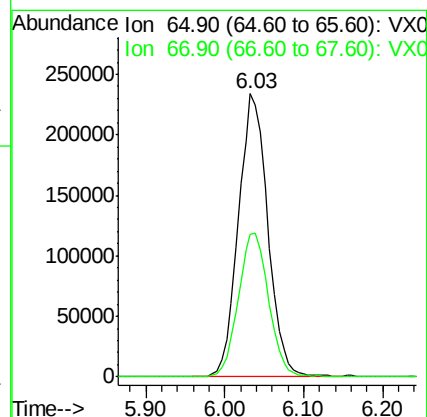
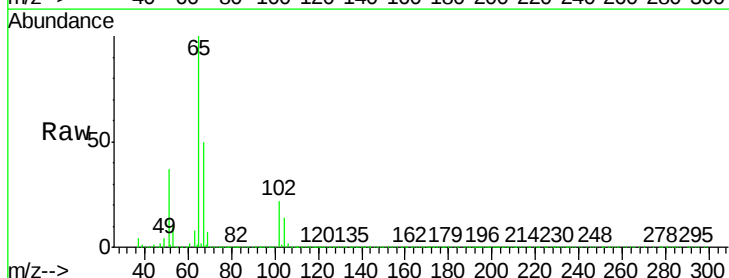
Acq: 17 Apr 2020 19:48

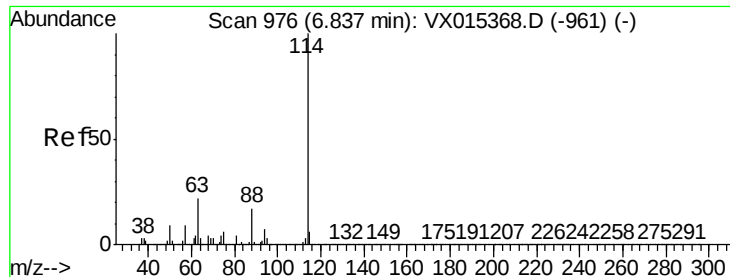
Tgt Ion: 65 Resp: 604497

Ion Ratio Lower Upper

65 100

67 52.0 0.0 102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. -0.00 min

Lab File: VX015750.D

Acq: 17 Apr 2020 19:48

Instrument :

MSVOA_X

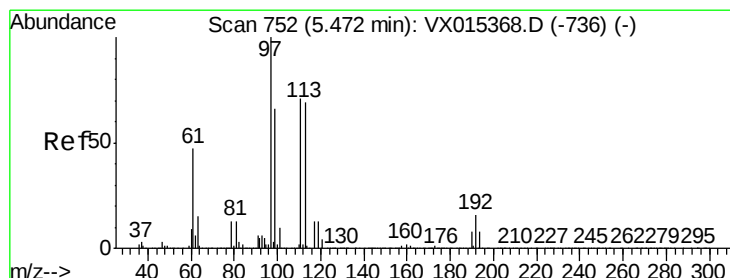
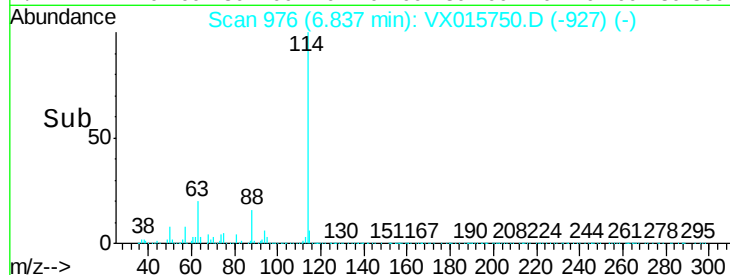
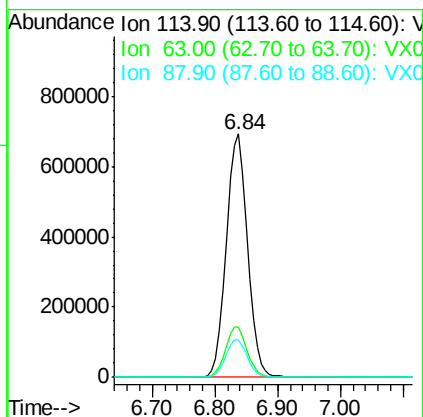
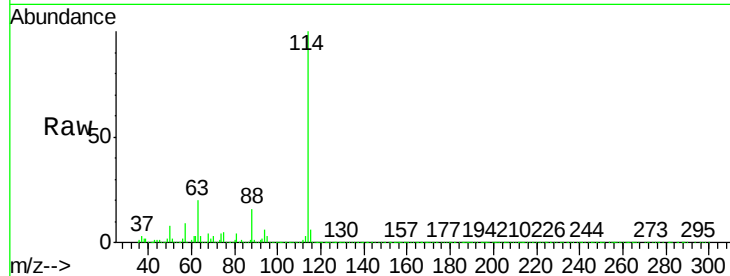
ClientSampleId :

I-L-C-1

Tot Ion:	114	Resp:	1626023
Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	44.2
88	15.5	0.0	33.8

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#35

Dibromofluoromethane

Concen: 48.911 ug/l

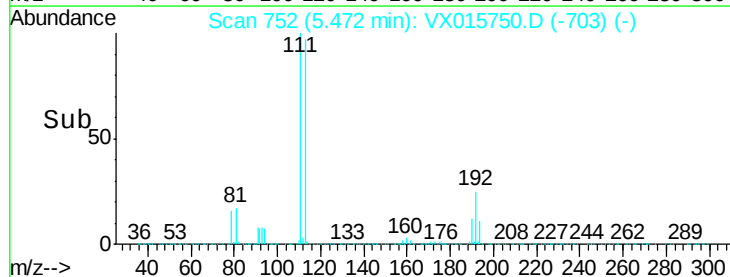
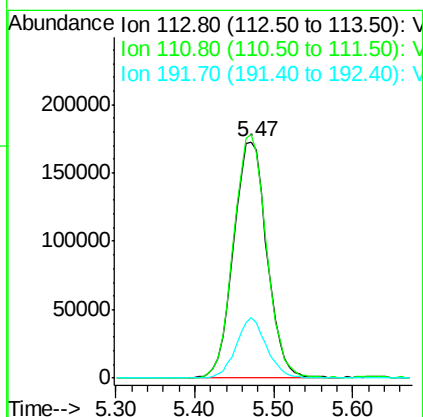
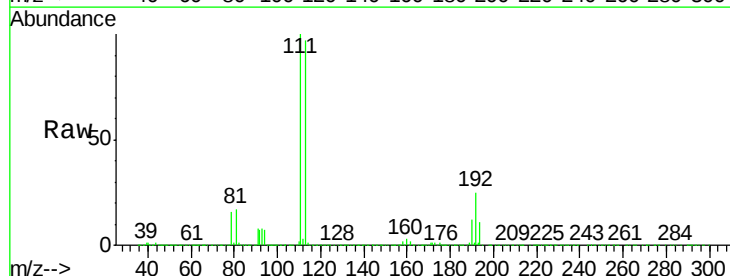
RT: 5.47 min Scan# 752

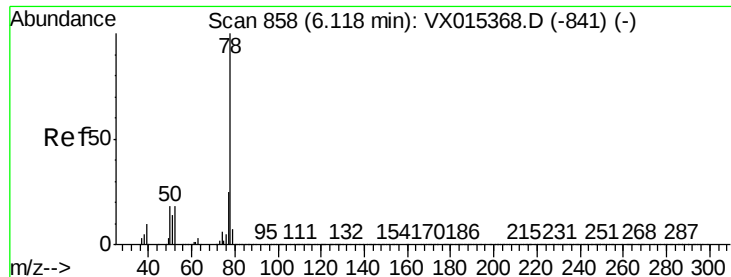
Delta R.T. -0.00 min

Lab File: VX015750.D

Acq: 17 Apr 2020 19:48

Tgt Ion:	113	Resp:	508385
Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.5	122.3
192	23.2	17.8	26.6





#40

Benzene

Concen: 127.828 ug/l

RT: 6.12 min Scan# 858

Delta R.T. -0.00 min

Lab File: VX015750.D

Acq: 17 Apr 2020 19:48

Instrument :

MSVOA_X

ClientSampled :

I-L-C-1

Tot Ion: 78 Resp: 5609932

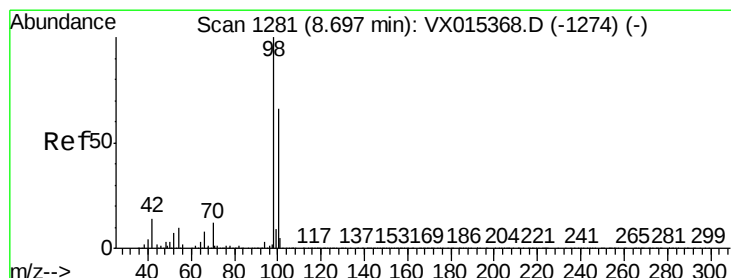
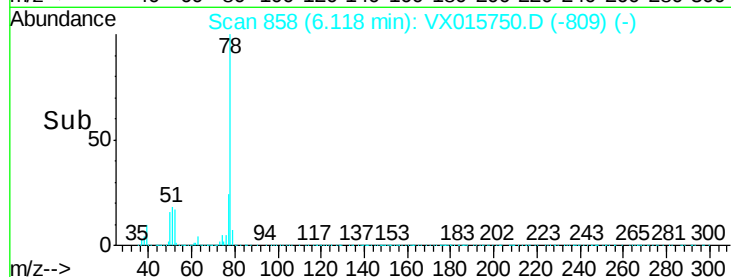
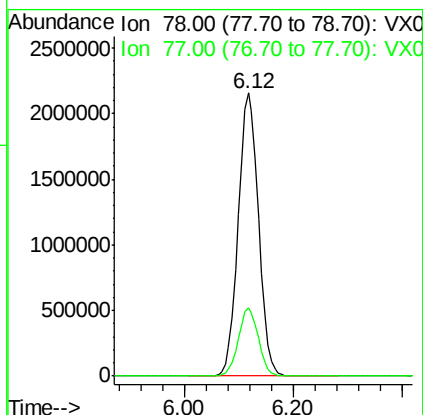
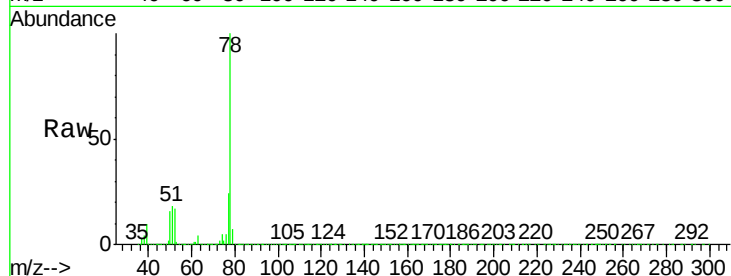
Ion Ratio Lower Upper

78 100

77 24.1 19.8 29.8

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#50

Toluene-d8

Concen: 50.646 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VX015750.D

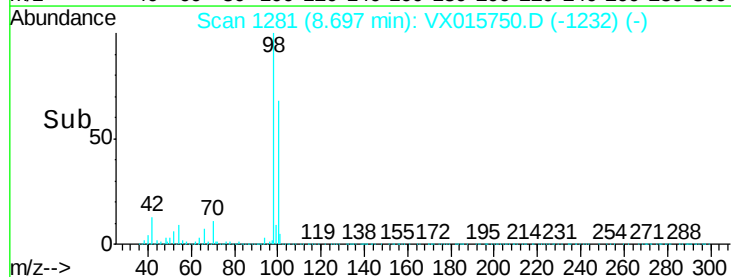
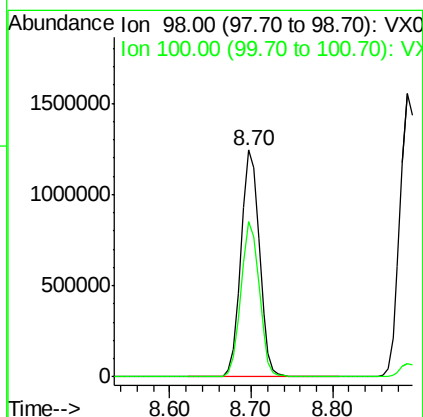
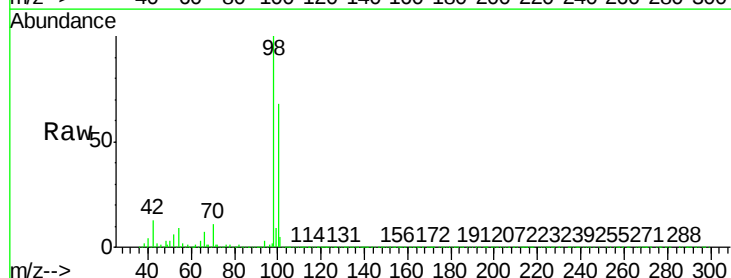
Acq: 17 Apr 2020 19:48

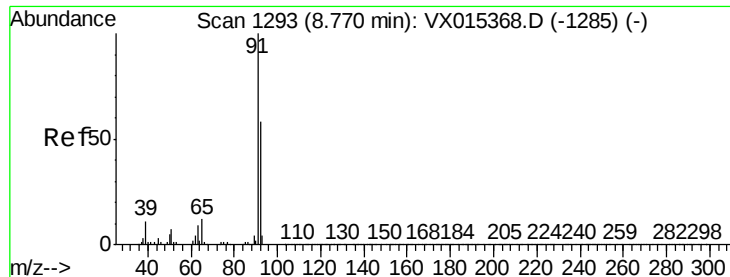
Tgt Ion: 98 Resp: 1938129

Ion Ratio Lower Upper

98 100

100 67.8 53.5 80.3





#52

Toluene

Concen: 62.171 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. -0.00 min

Lab File: VX015750.D

Acq: 17 Apr 2020 19:48

Instrument :

MSVOA_X

ClientSampleId :

I-L-C-1

Tot Ion: 92 Resp: 1682157

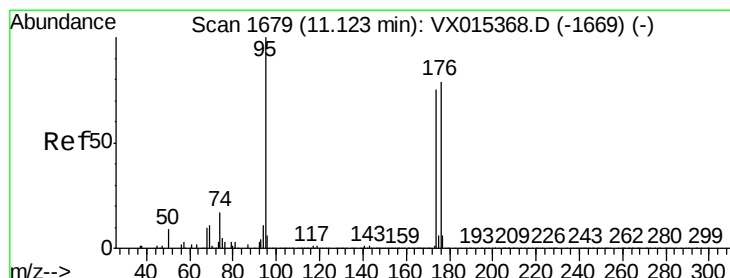
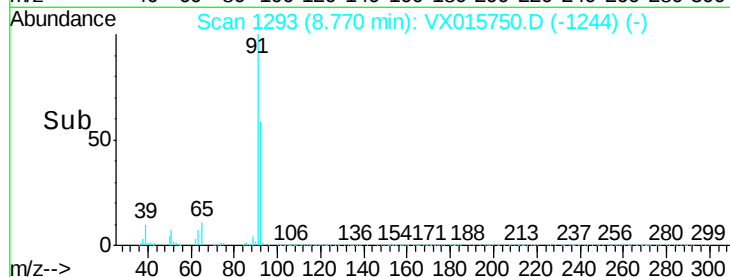
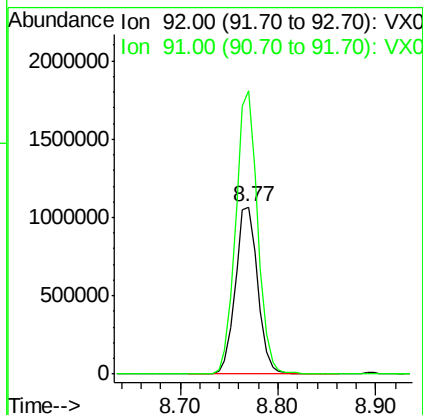
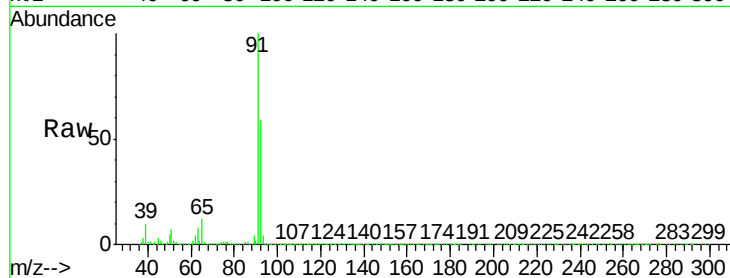
Ion Ratio Lower Upper

92 100

91 166.7 136.6 205.0

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 54.573 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015750.D

Acq: 17 Apr 2020 19:48

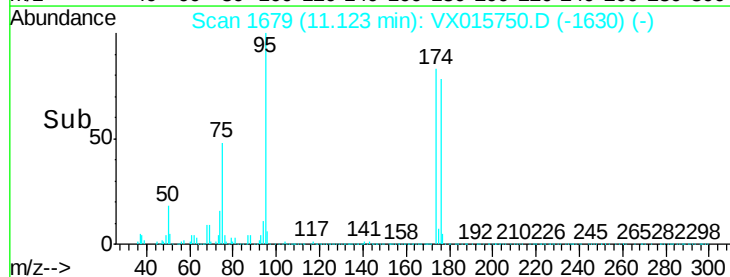
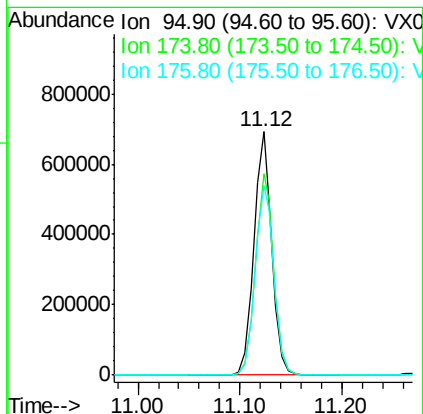
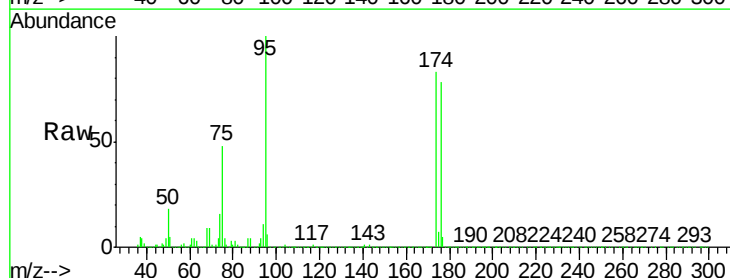
Tgt Ion: 95 Resp: 848721

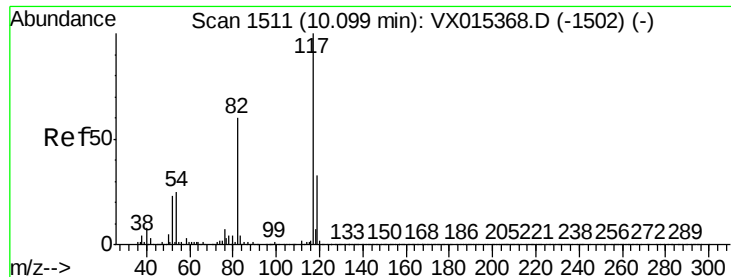
Ion Ratio Lower Upper

95 100

174 85.1 0.0 158.6

176 82.5 0.0 159.0





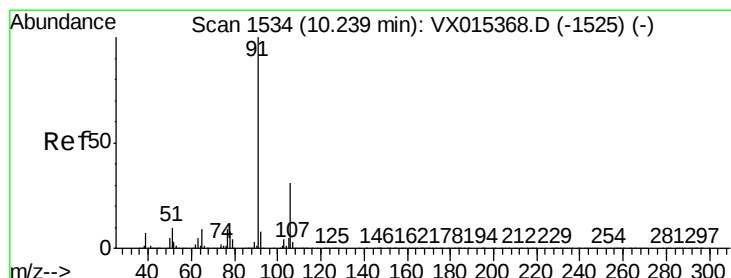
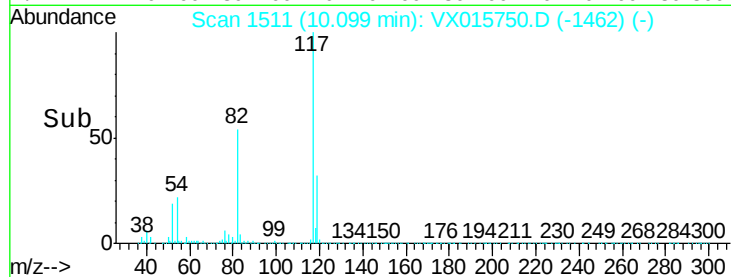
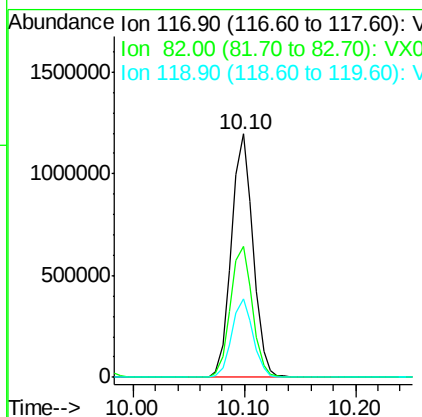
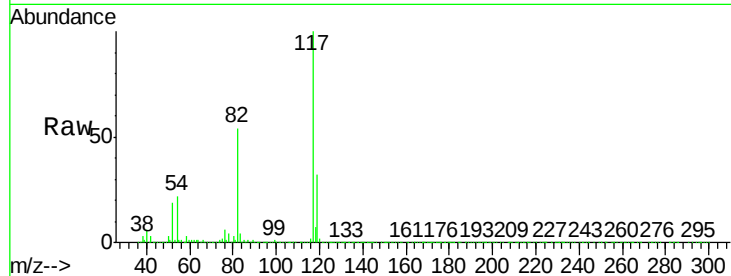
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. -0.00 min
Lab File: VX015750.D
Acq: 17 Apr 2020 19:48

Instrument :
MSVOA_X
ClientSampleId :
I-L-C-1

Tot Ion:117 Resp: 1602670
Ion Ratio Lower Upper
117 100
82 54.0 47.8 71.8
119 32.1 26.8 40.2

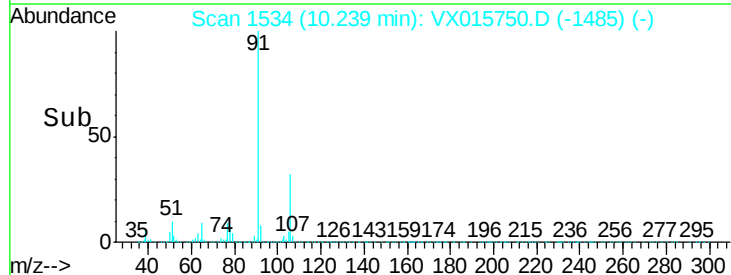
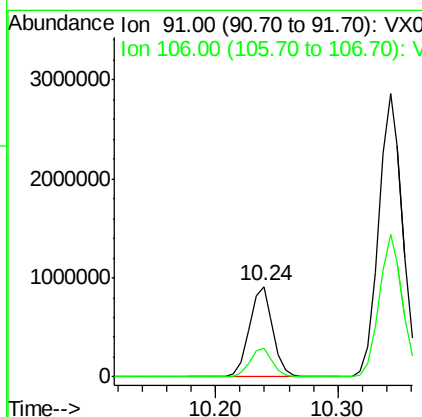
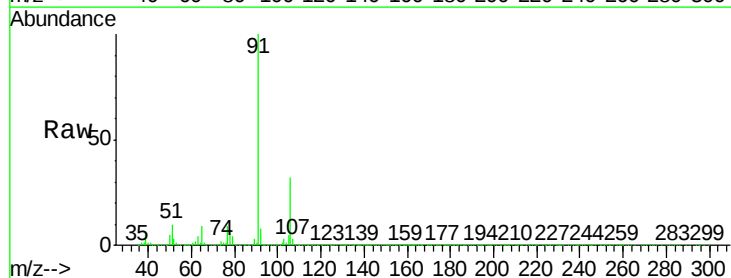
Manual Integrations
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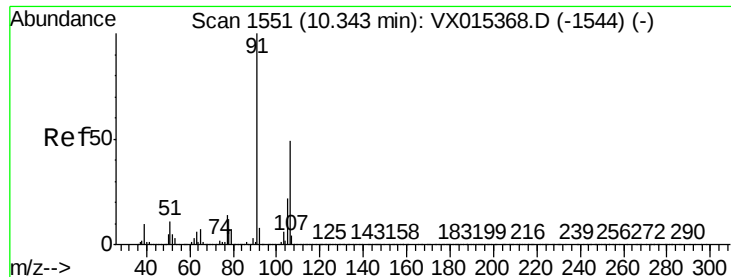
MMDadoda
4/20/2020 10:03:32 AM



#67
Ethyl Benzene
Concen: 21.362 ug/l
RT: 10.24 min Scan# 1534
Delta R.T. -0.00 min
Lab File: VX015750.D
Acq: 17 Apr 2020 19:48

Tgt Ion: 91 Resp: 1210978
Ion Ratio Lower Upper
91 100
106 31.8 24.8 37.2





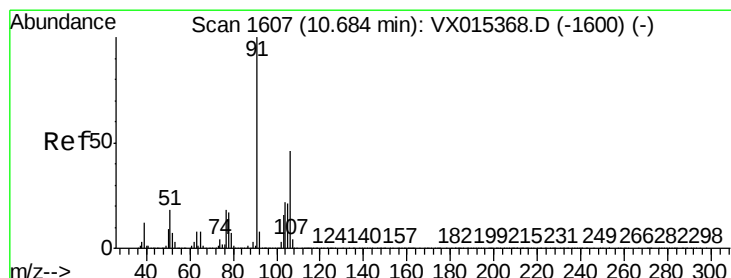
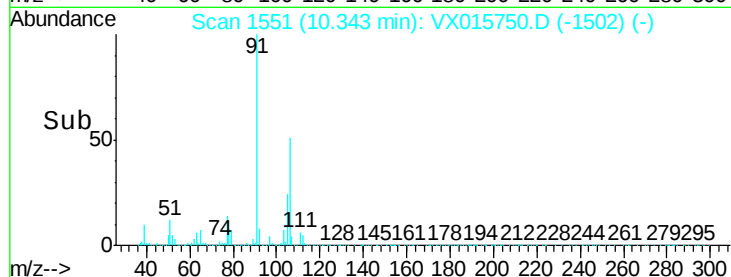
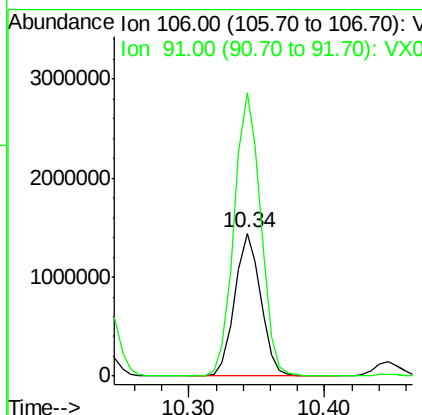
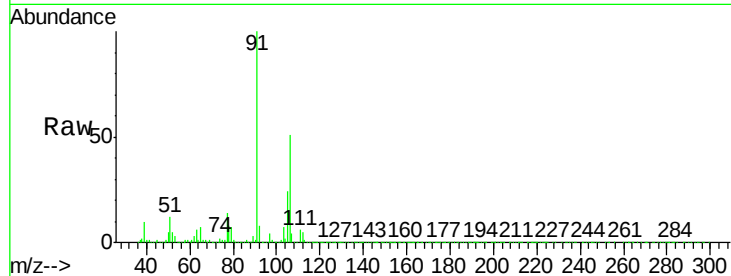
#68
m/p-Xylenes
Concen: 90.842 ug/l
RT: 10.34 min Scan# 1551
Delta R.T. -0.00 min
Lab File: VX015750.D
Acq: 17 Apr 2020 19:48

Instrument :
MSVOA_X
ClientSampleId :
I-L-C-1

Tot Ion:106 Resp: 1917551
Ion Ratio Lower Upper
106 100
91 202.3 163.4 245.0

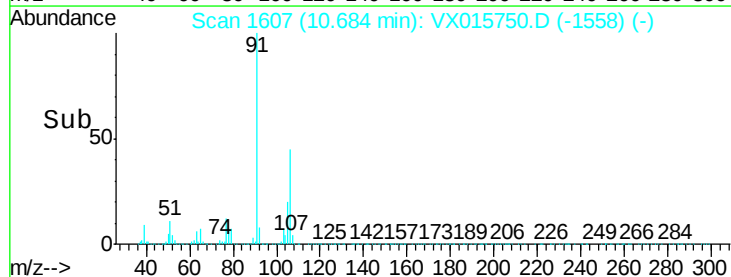
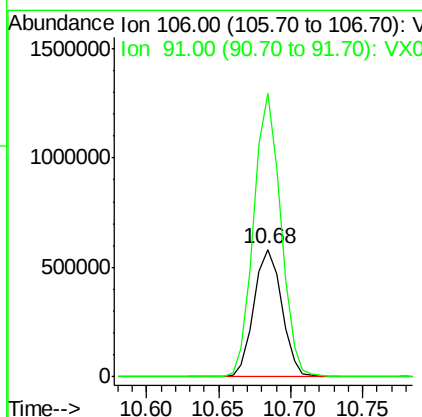
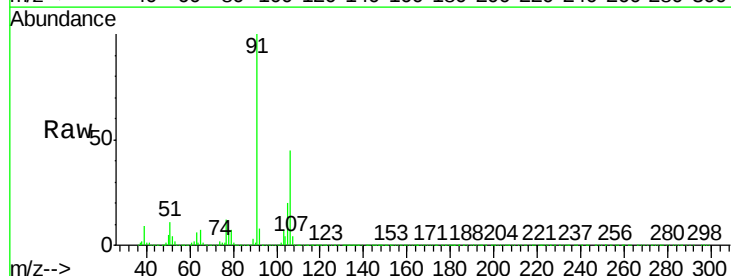
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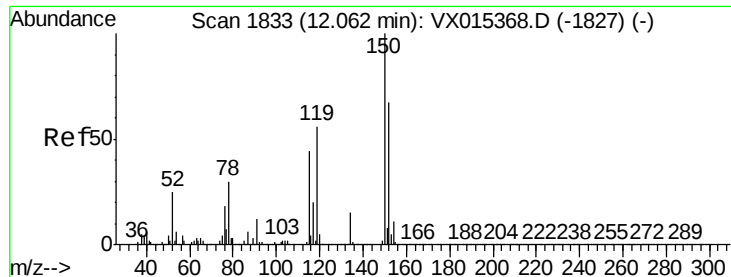
MMDadoda
4/20/2020 10:03:32 AM



#69
o-Xylene
Concen: 37.242 ug/l
RT: 10.68 min Scan# 1607
Delta R.T. -0.00 min
Lab File: VX015750.D
Acq: 17 Apr 2020 19:48

Tgt Ion:106 Resp: 776817
Ion Ratio Lower Upper
106 100
91 215.5 107.1 321.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VX015750.D

Acq: 17 Apr 2020 19:48

Instrument :

MSVOA_X

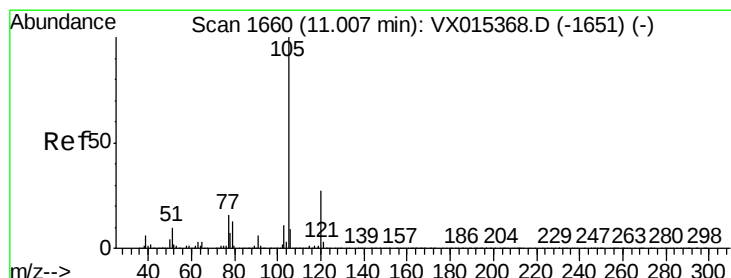
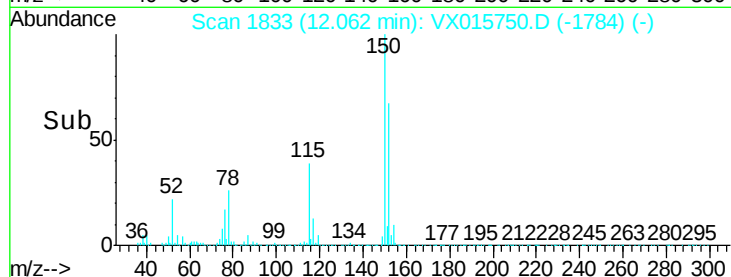
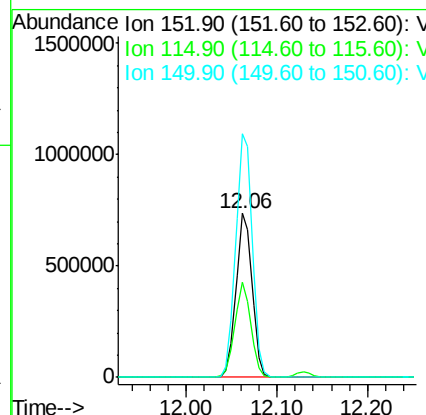
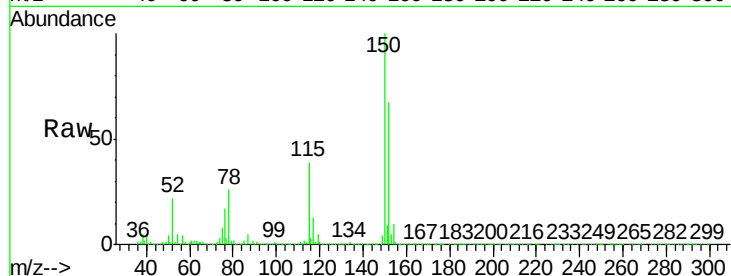
ClientSampled :

I-L-C-1

Tot Ion:	152	Resp:	906126
Ion Ratio	Lower	Upper	
152	100		
115	57.7	39.0	116.9
150	152.8	0.0	340.8

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#73

Isopropylbenzene

Concen: 0.496 ug/l

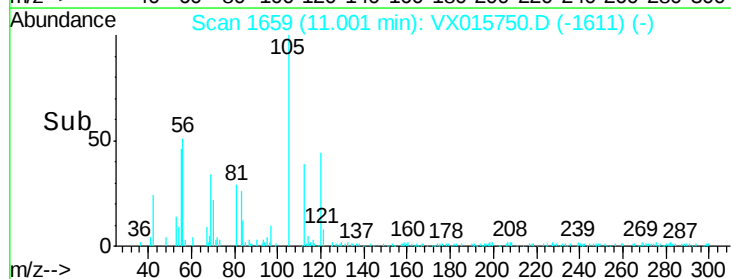
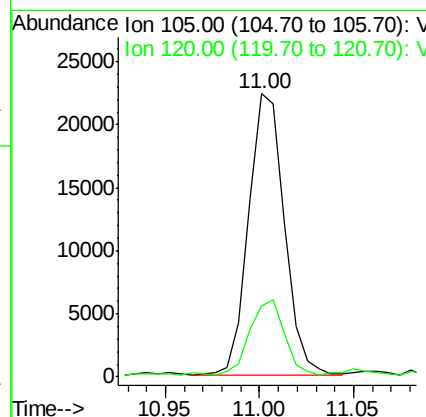
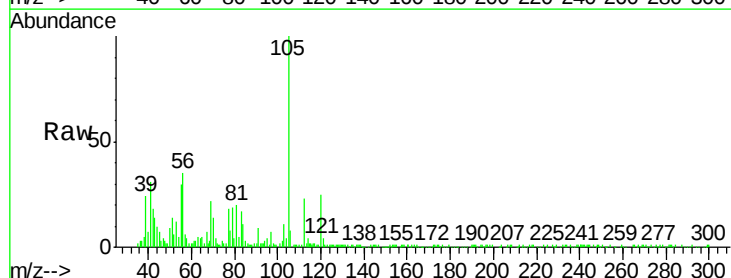
RT: 11.00 min Scan# 1659

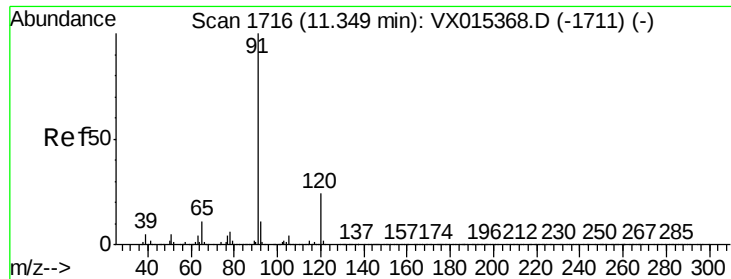
Delta R.T. -0.01 min

Lab File: VX015750.D

Acq: 17 Apr 2020 19:48

Tgt Ion:	105	Resp:	29477
Ion Ratio	Lower	Upper	
105	100		
120	26.6	13.2	39.5





#78

n-propylbenzene

Concen: 0.998 ug/l

RT: 11.34 min Scan# 1715

Delta R.T. -0.01 min

Lab File: VX015750.D

Acq: 17 Apr 2020 19:48

Instrument :

MSVOA_X

ClientSampleId :

I-L-C-1

Tot Ion: 91 Resp: 67721

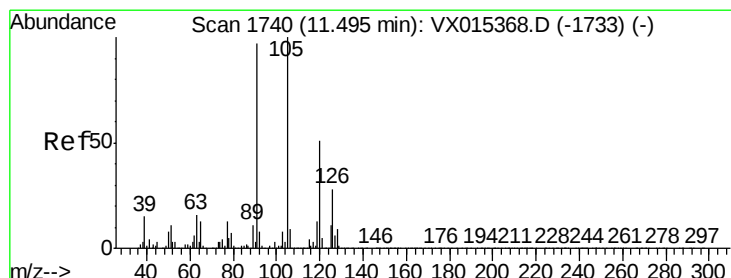
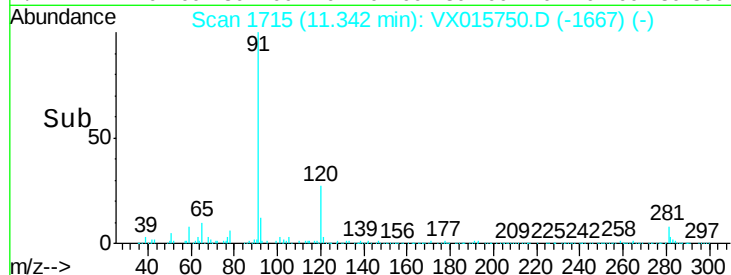
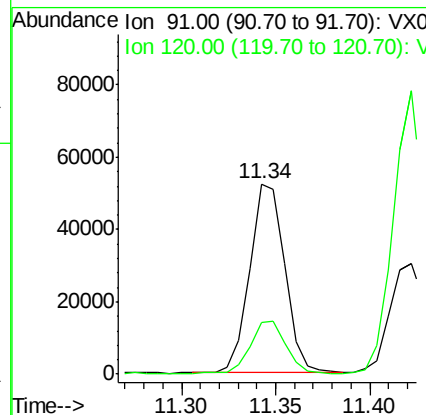
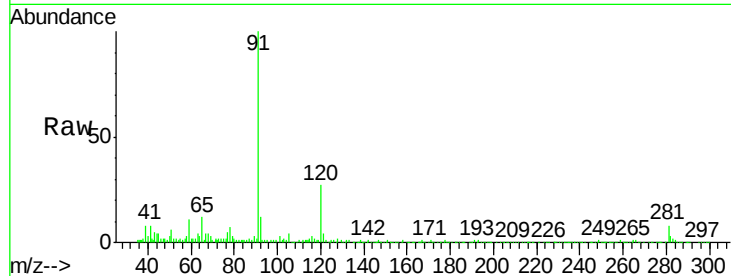
Ion Ratio Lower Upper

91 100

120 27.9 11.7 35.0

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#80

1,3,5-Trimethylbenzene

Concen: 5.711 ug/l

RT: 11.49 min Scan# 1740

Delta R.T. -0.00 min

Lab File: VX015750.D

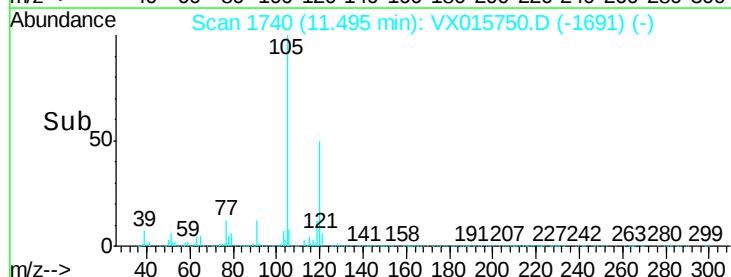
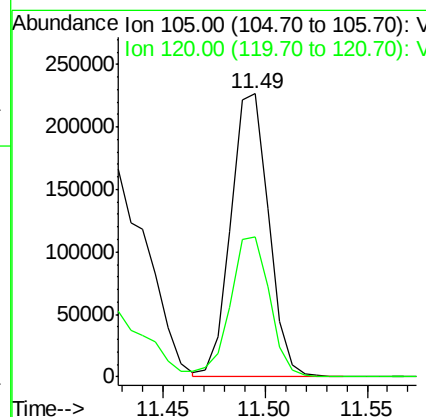
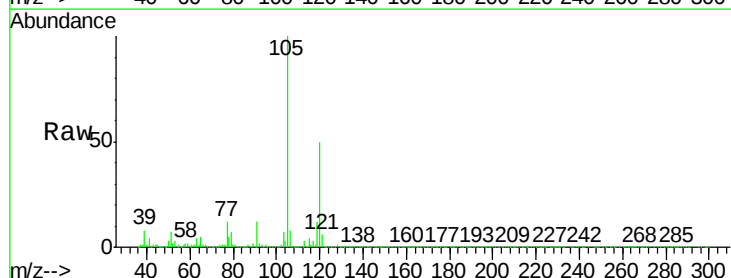
Acq: 17 Apr 2020 19:48

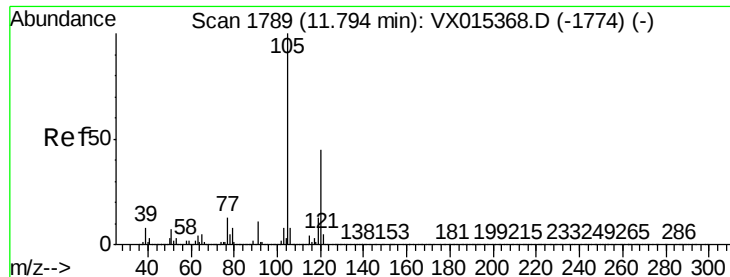
Tgt Ion: 105 Resp: 289563

Ion Ratio Lower Upper

105 100

120 51.0 24.8 74.4





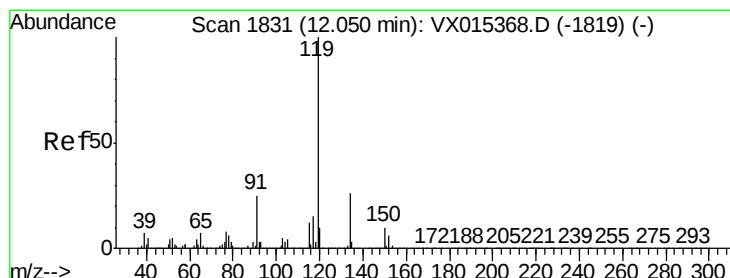
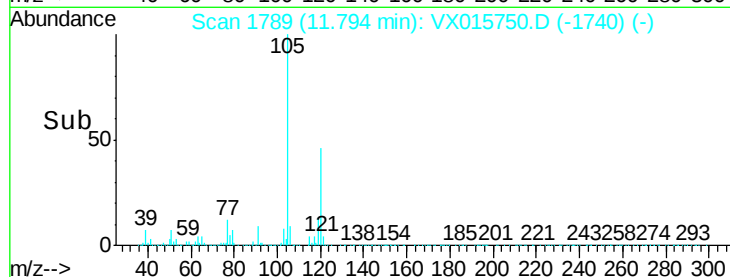
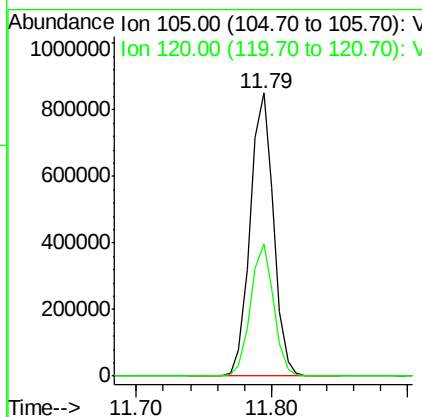
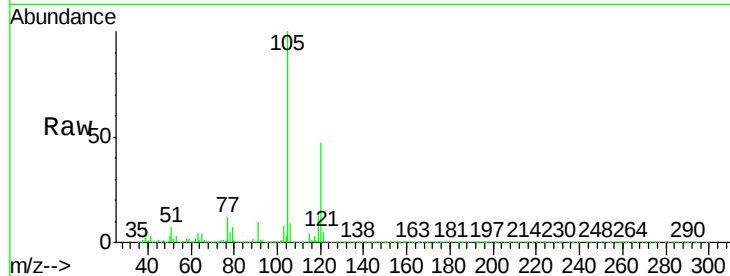
#84
 1,2,4-Trimethylbenzene
 Concen: 19.790 ug/l
 RT: 11.79 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX015750.D
 Acq: 17 Apr 2020 19:48

Instrument :
 MSVOA_X
 ClientSampled :
 I-L-C-1

Tot Ion:105 Resp: 1022576
 Ion Ratio Lower Upper
 105 100
 120 46.1 22.7 68.1

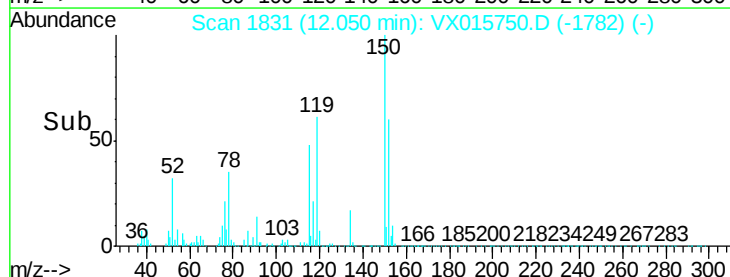
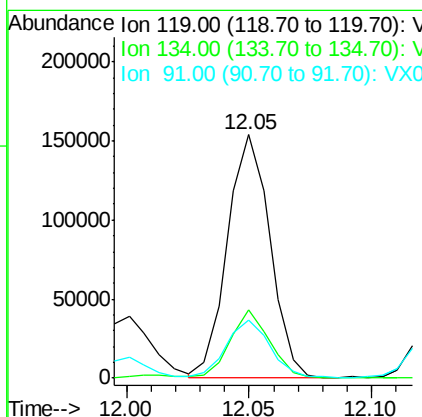
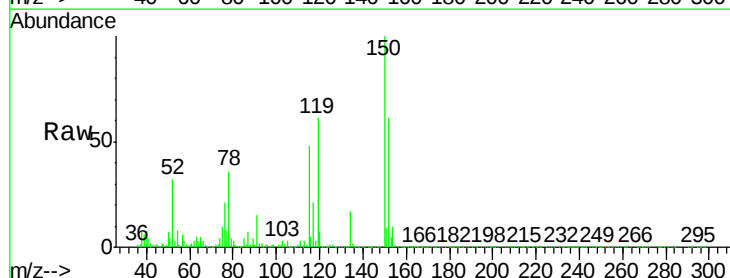
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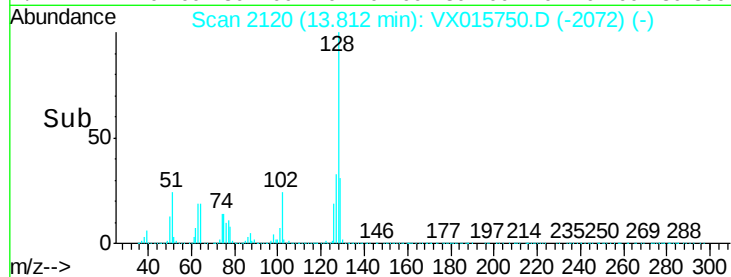
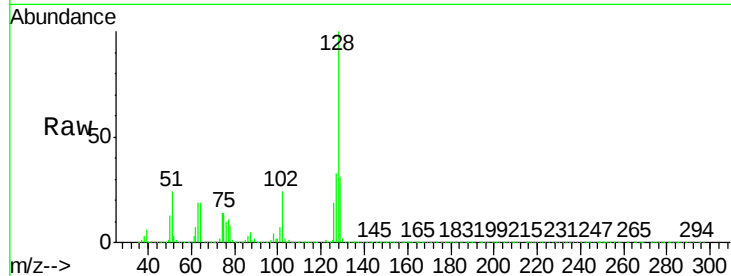
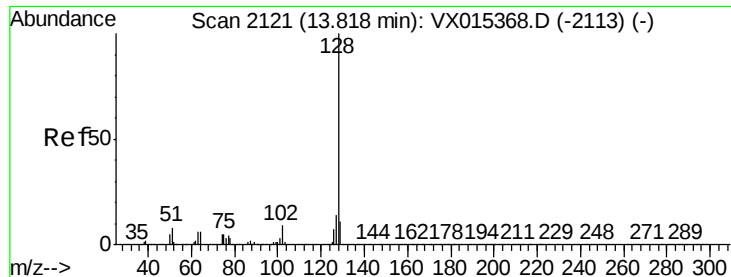
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 4/20/2020 10:03:32 AM



#86
 p-Isopropyltoluene
 Concen: 3.492 ug/l
 RT: 12.05 min Scan# 1831
 Delta R.T. -0.00 min
 Lab File: VX015750.D
 Acq: 17 Apr 2020 19:48

Tgt Ion:119 Resp: 185668
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.1 39.3
 91 24.3 12.4 37.4





#95

Naphthalene

Concen: 296.505 ug/l m

RT: 13.81 min Scan# 2120

Delta R.T. -0.01 min

Lab File: VX015750.D

Acq: 17 Apr 2020 19:48

Tot Ion:128 Resp:19848919

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.8 13.2#

Instrument :

MSVOA_X

ClientSampleId :

I-L-C-1

Manual Integrations

APPROVED

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4/20/2020 10:03:32 AM

