

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX093019\
 Data File : VX012720.D
 Acq On : 30 Sep 2019 20:59
 Operator : JC/SP
 Sample : K5081-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ171I-20190925

Manual Integrations
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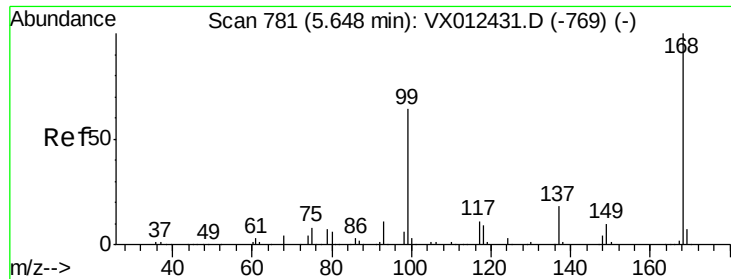
Quant Time: Oct 01 04:57:04 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	165761	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	284682	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	237575	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	88743	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	116050	48.08	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.16%	
35) Dibromofluoromethane	5.49	113	88268	52.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.12%	
50) Toluene-d8	8.71	98	337946	51.76	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.52%	
62) 4-Bromofluorobenzene	11.14	95	111604	43.47	ug/l	0.00
Spiked Amount 50.000			Recovery	=	86.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.72	64	28575	19.915	ug/l	96
12) 1,1-Dichloroethene	2.36	96	23633	13.260	ug/l	98
16) Acetone	2.43	43	8470	6.625	ug/l #	83
24) 1,1-Dichloroethane	3.69	63	718926	193.576	ug/l	99
32) 1,1,1-Trichloroethane	5.48	97	59424	17.646	ug/l	98
40) Benzene	6.13	78	3740	0.463	ug/l	99
73) Isopropylbenzene	11.01	105	4475	0.619	ug/l	96
83) tert-Butylbenzene	11.76	119	3128	0.535	ug/l	92
85) sec-Butylbenzene	11.94	105	14527	2.136	ug/l	85
87) 1,3-Dichlorobenzene	12.02	146	1690	0.574	ug/l	91
88) 1,4-Dichlorobenzene	12.09	146	6955m	2.338	ug/l	
91) 1,2-Dichlorobenzene	12.39	146	3999	1.357	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX012720.D

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Instrument :

MSVOA_X

ClientSampleId :

SA-PZ171I-20190925

Tot Ion:168 Resp: 165761

Ion Ratio Lower Upper

168 100

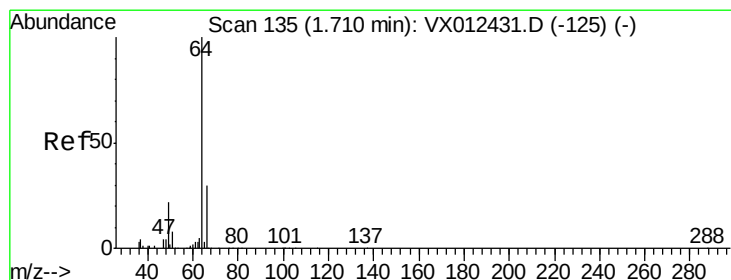
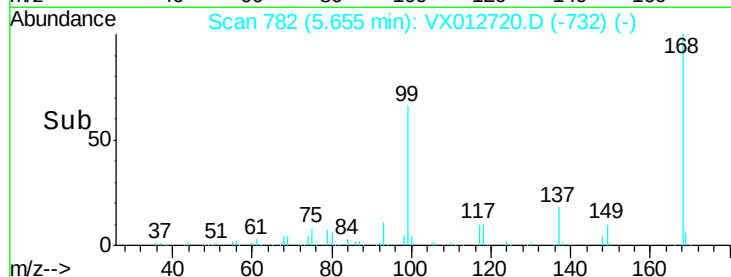
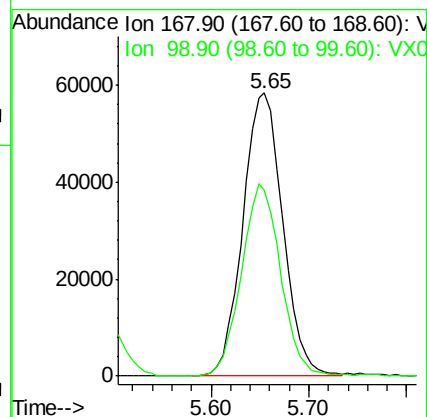
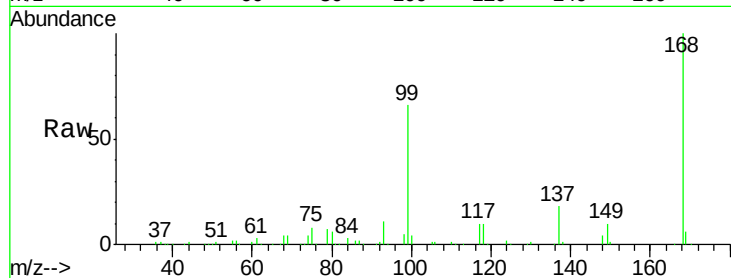
99 65.8 51.4 77.2

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#6

Chloroethane

Concen: 19.915 ug/l

RT: 1.72 min Scan# 137

Delta R.T. 0.01 min

Lab File: VX012720.D

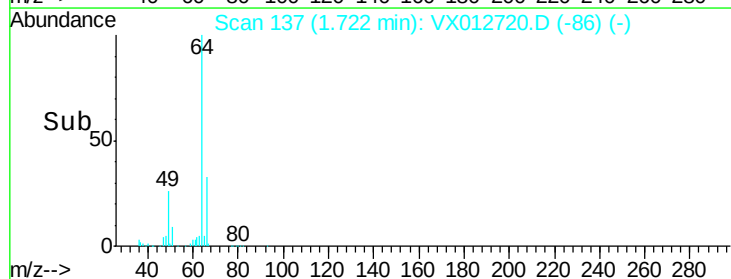
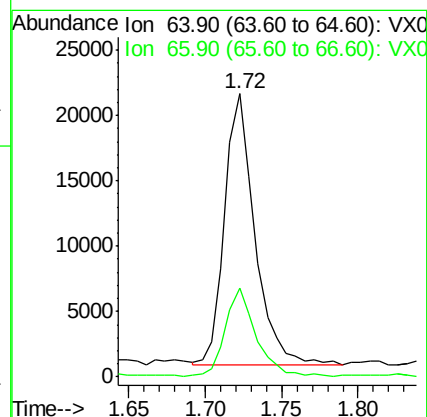
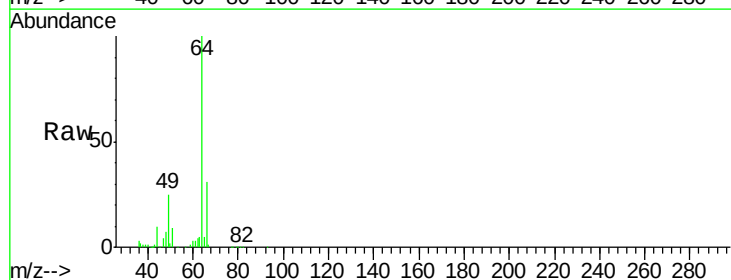
Acq: 30 Sep 2019 20:59

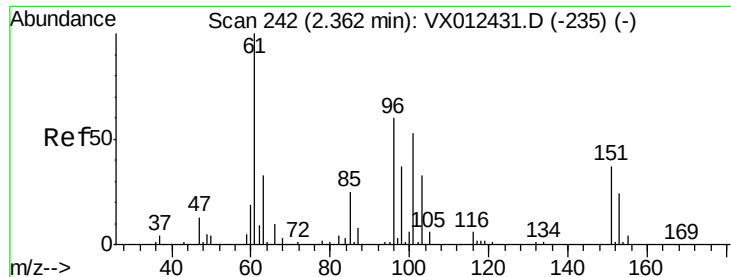
Tgt Ion: 64 Resp: 28575

Ion Ratio Lower Upper

64 100

66 32.2 24.0 36.0





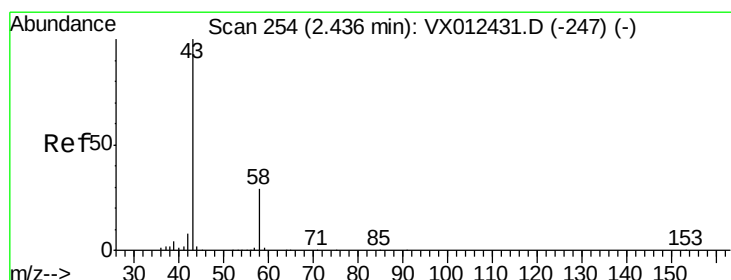
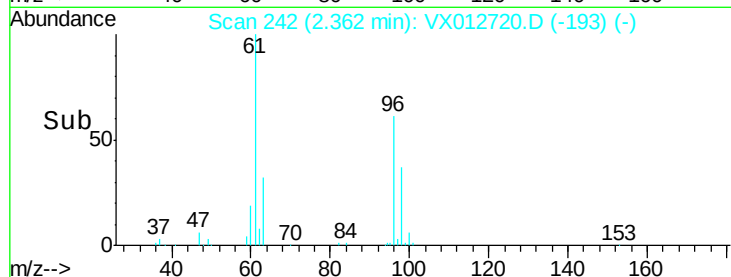
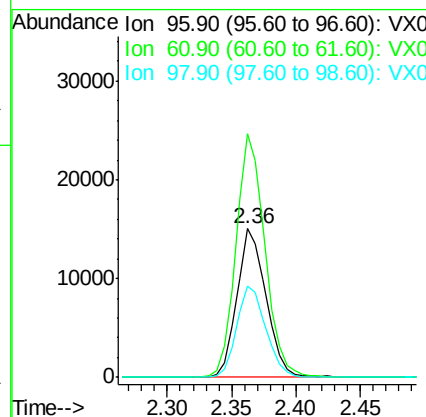
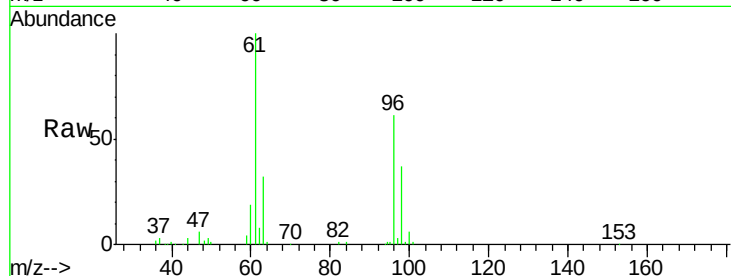
#12
 1,1-Dichloroethene
 Concen: 13.260 ug/l
 RT: 2.36 min Scan# 242
 Delta R.T. 0.00 min
 Lab File: VX012720.D
 Acq: 30 Sep 2019 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ171I-20190925

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.9	133.8	200.6
98	61.3	49.9	74.9

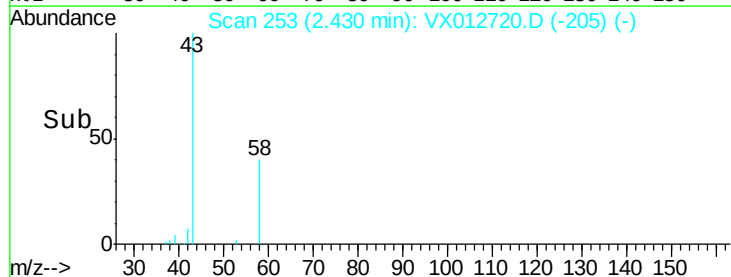
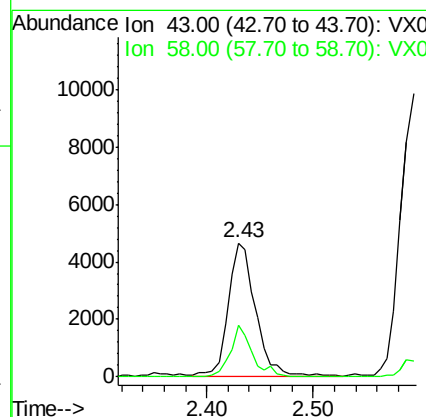
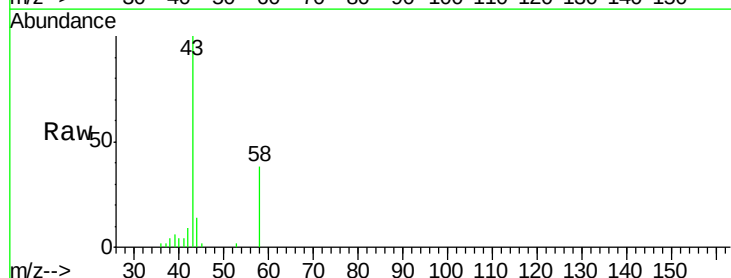
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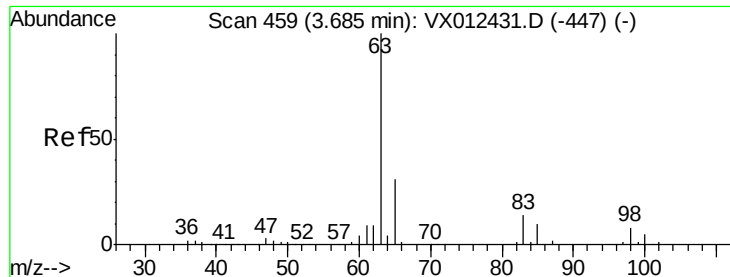
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#16
 Acetone
 Concen: 6.625 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.01 min
 Lab File: VX012720.D
 Acq: 30 Sep 2019 20:59

Tgt Ion	Ratio	Lower	Upper
43	100		
58	38.4	23.3	34.9#





#24

1,1-Dichloroethane

Concen: 193.576 ug/l

RT: 3.69 min Scan# 459

Delta R.T. 0.00 min

Lab File: VX012720.D

Acq: 30 Sep 2019 20:59

Instrument :

MSVOA_X

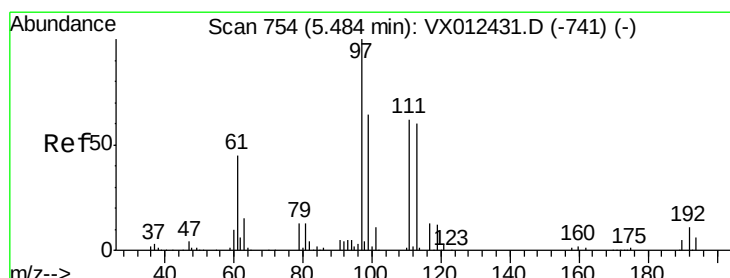
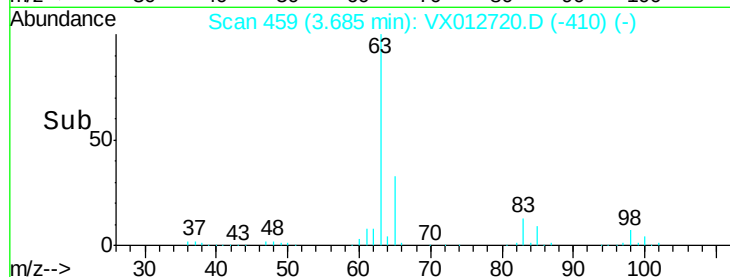
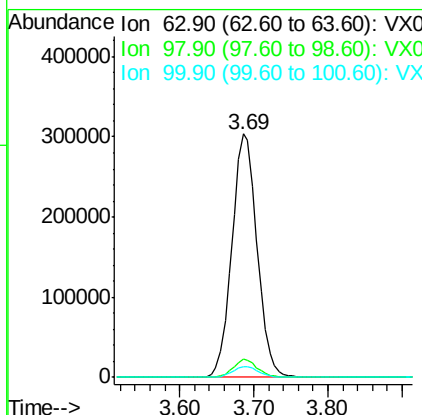
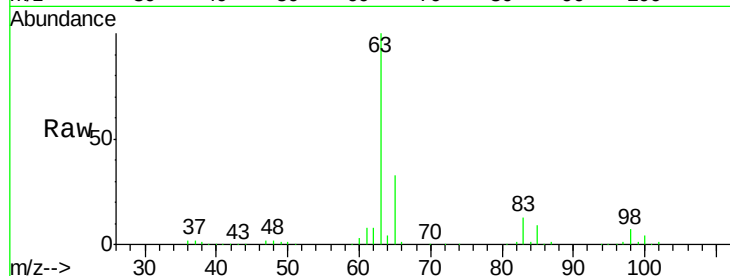
ClientSampleId :

SA-PZ171I-20190925

Tot Ion:	63	Resp:	718926
Ion Ratio		Lower	Upper
63	100		
98	7.4	3.9	11.7
100	4.4	2.3	6.9

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#32

1,1,1-Trichloroethane

Concen: 17.646 ug/l

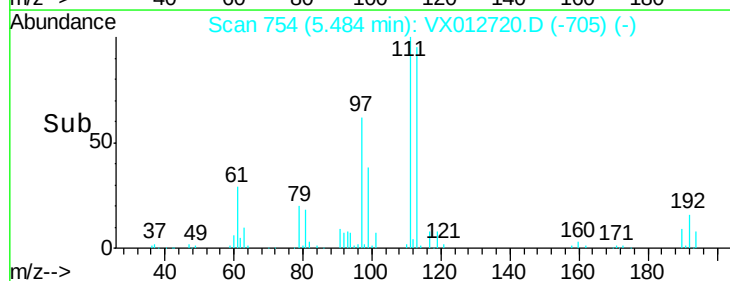
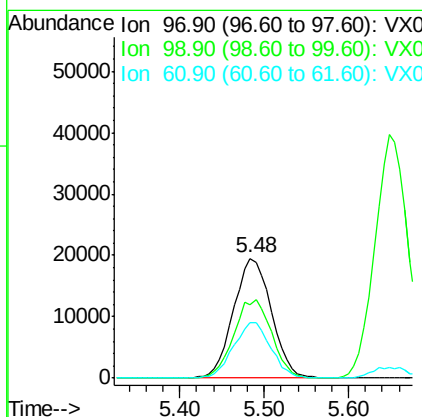
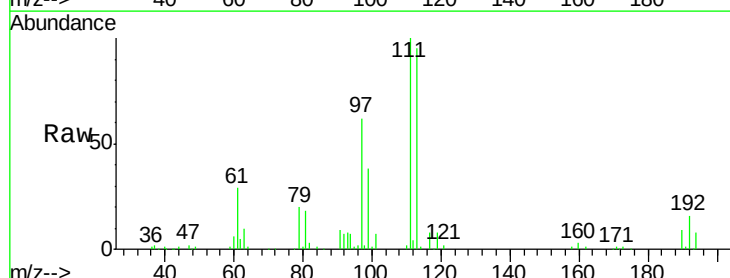
RT: 5.48 min Scan# 754

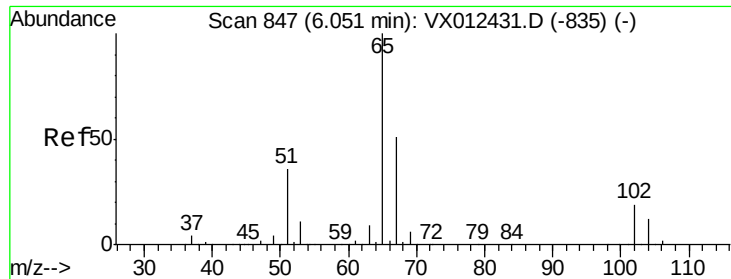
Delta R.T. 0.00 min

Lab File: VX012720.D

Acq: 30 Sep 2019 20:59

Tgt Ion:	97	Resp:	59424
Ion Ratio		Lower	Upper
97	100		
99	65.9	51.3	76.9
61	46.0	36.1	54.1





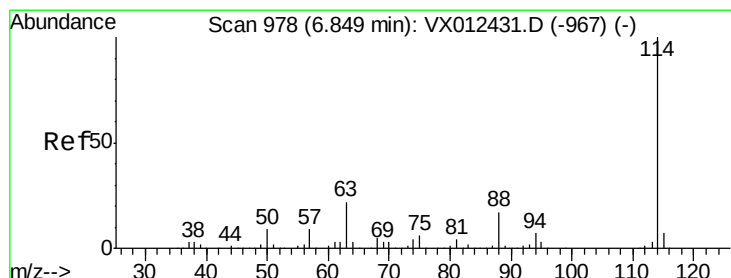
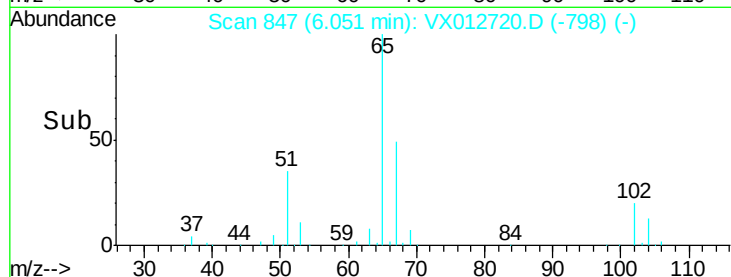
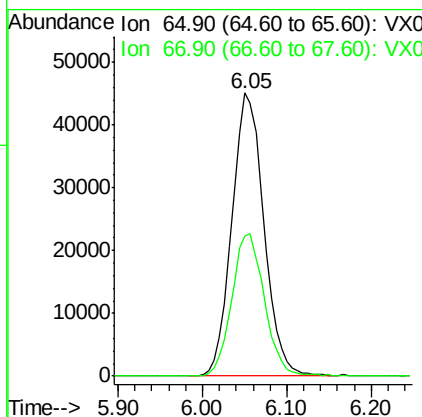
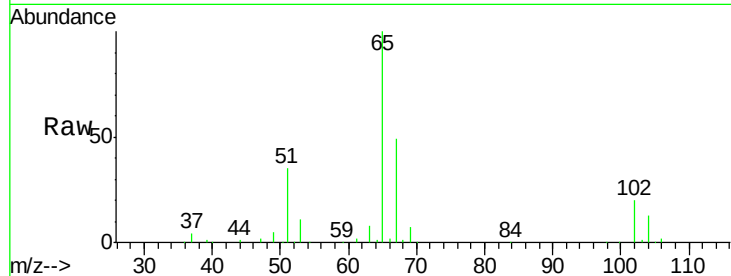
#33
 1,2-Dichloroethane-d4
 Concen: 48.078 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. 0.00 min
 Lab File: VX012720.D
 Acq: 30 Sep 2019 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ171I-20190925

Tot Ion	Ratio	Resp	Lower	Upper
65	100	116050		
67	51.0	0.0	101.2	

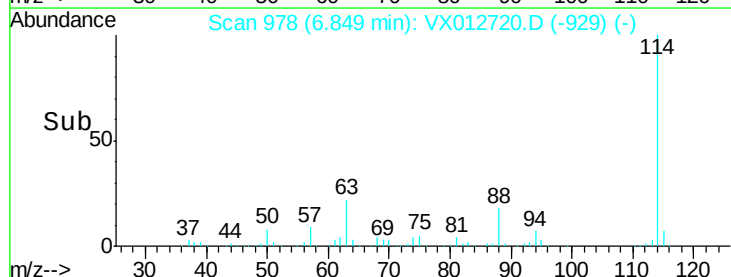
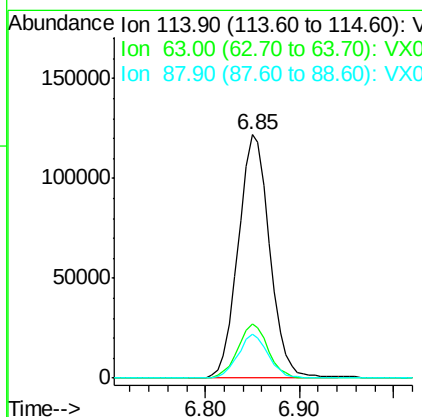
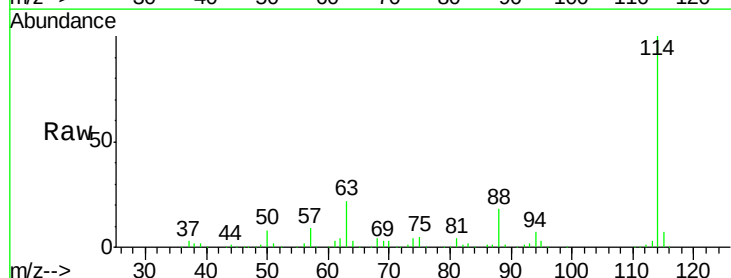
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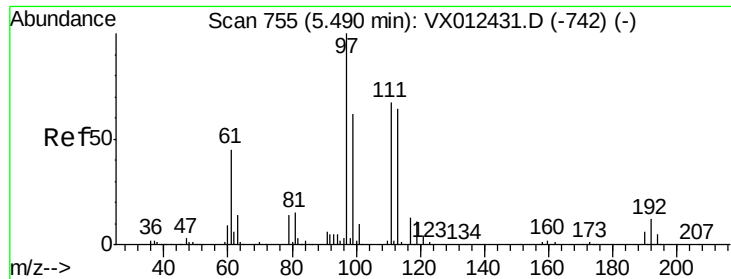
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012720.D
 Acq: 30 Sep 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	284682		
63	22.0	0.0	43.2	
88	17.8	0.0	33.2	





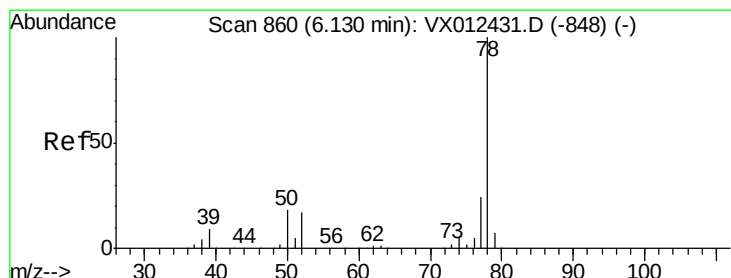
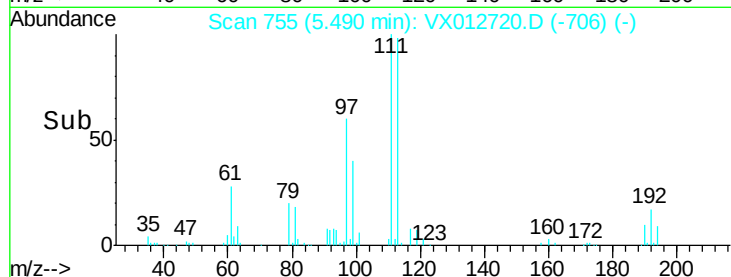
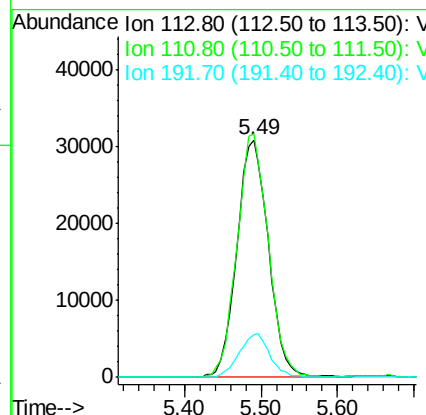
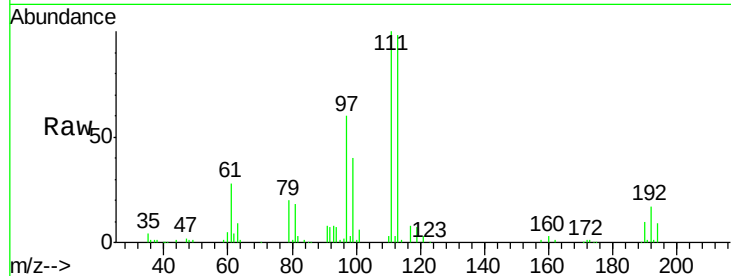
#35
Dibromofluoromethane
Concen: 52.063 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.00 min
Lab File: VX012720.D
Acq: 30 Sep 2019 20:59

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ171I-20190925

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	83.4	125.2
192	17.8	14.4	21.6

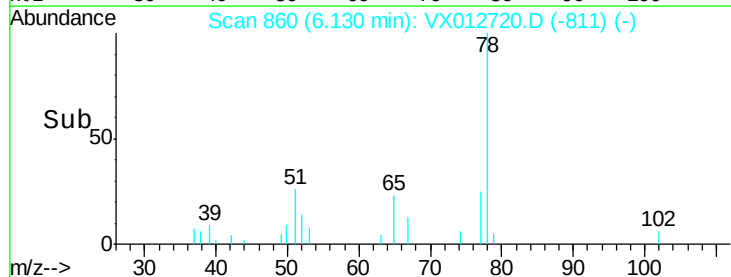
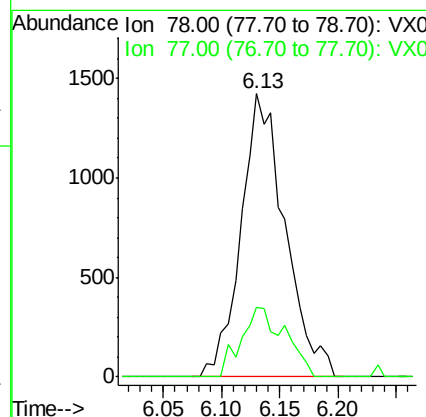
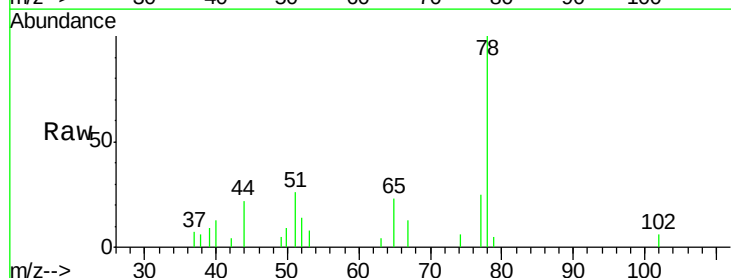
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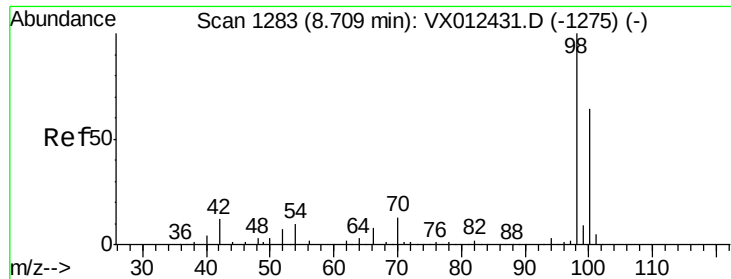
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#40
Benzene
Concen: 0.463 ug/l
RT: 6.13 min Scan# 860
Delta R.T. 0.00 min
Lab File: VX012720.D
Acq: 30 Sep 2019 20:59

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.2	28.8





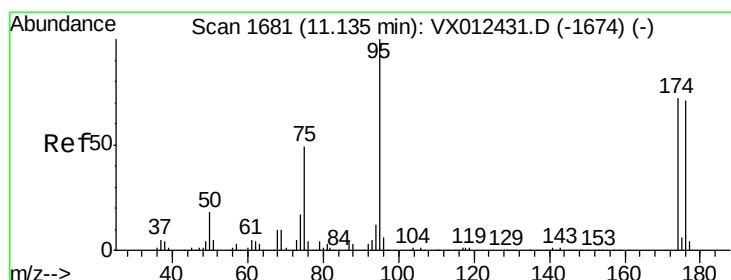
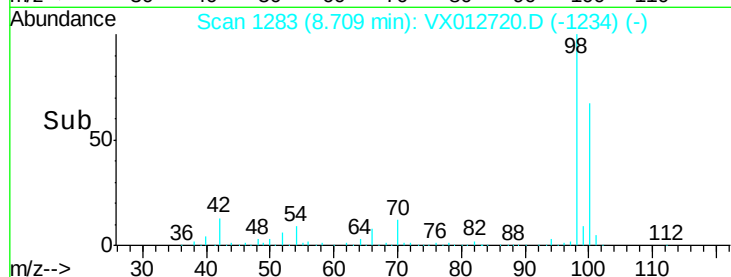
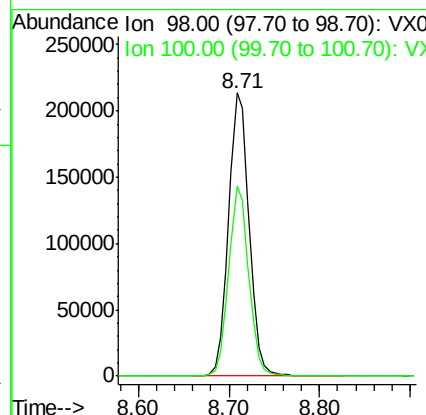
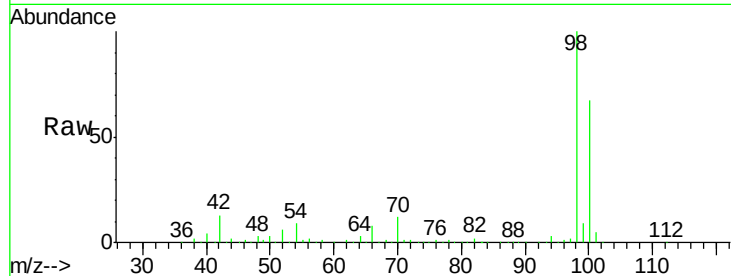
#50
Toluene-d8
Concen: 51.760 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX012720.D
Acq: 30 Sep 2019 20:59

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ171I-20190925

Tot Ion: 98 Resp: 337946
Ion Ratio Lower Upper
98 100
100 65.9 53.4 80.2

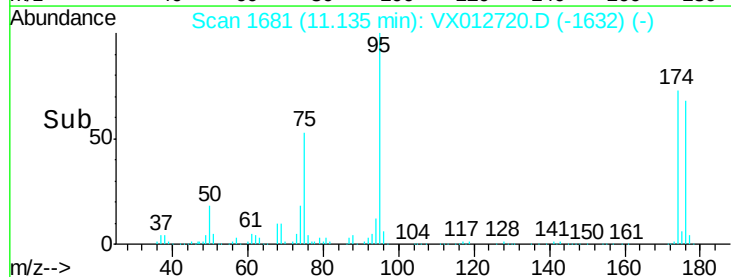
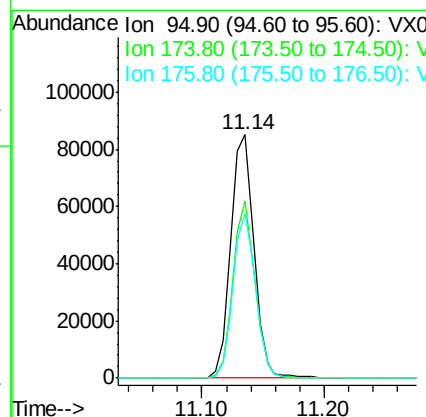
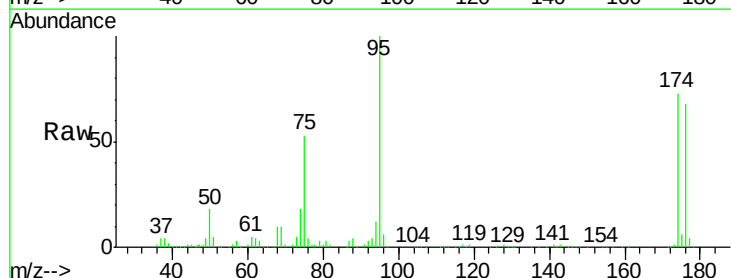
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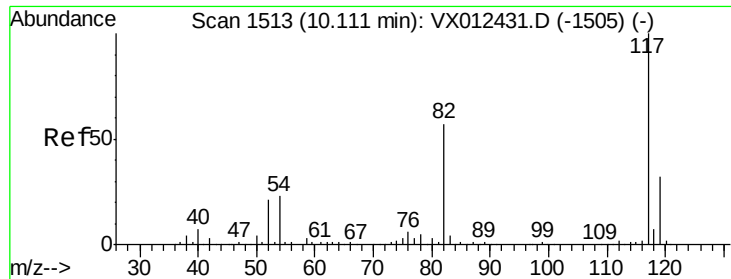
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#62
4-Bromofluorobenzene
Concen: 43.472 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VX012720.D
Acq: 30 Sep 2019 20:59

Tgt Ion: 95 Resp: 111604
Ion Ratio Lower Upper
95 100
174 68.7 0.0 140.0
176 65.7 0.0 135.4





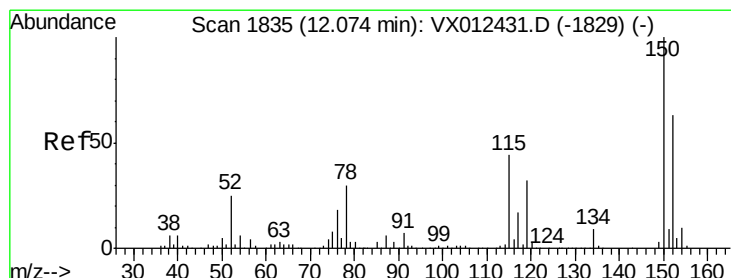
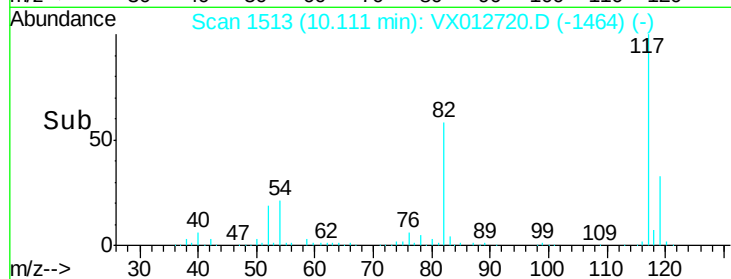
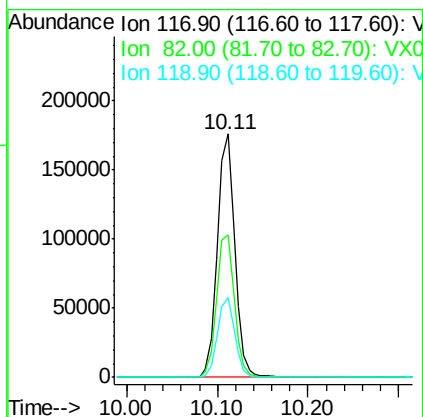
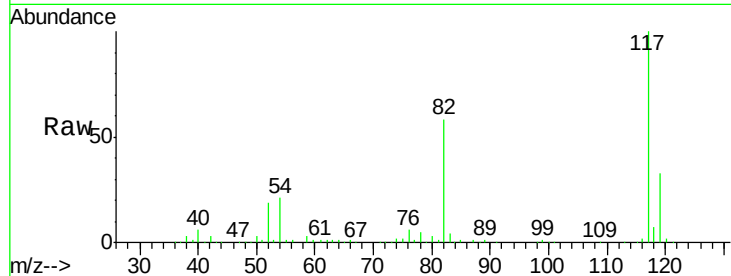
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX012720.D
Acq: 30 Sep 2019 20:59

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ171I-20190925

Tot Ion	Ratio	Resp	Lower	Upper
117	100	237575		
82	58.4	45.9	68.9	
119	32.8	25.3	37.9	

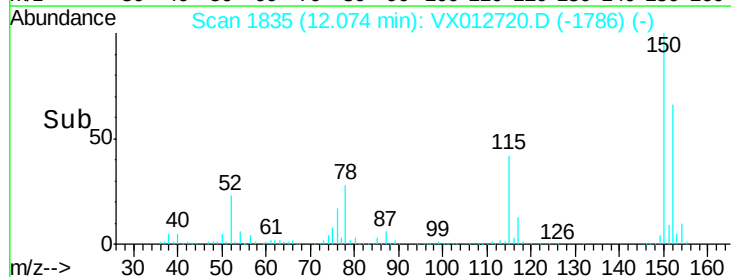
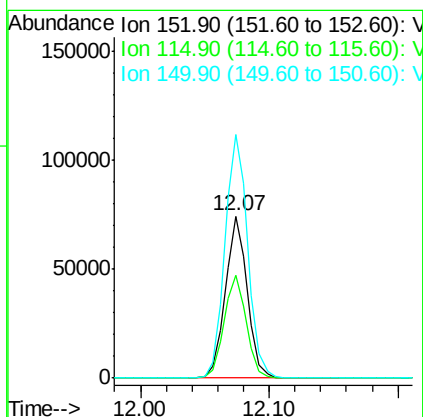
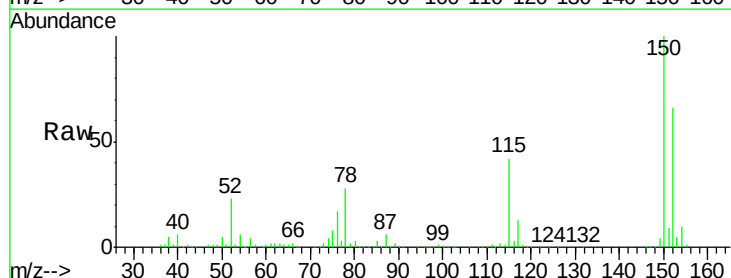
Manual Integrations
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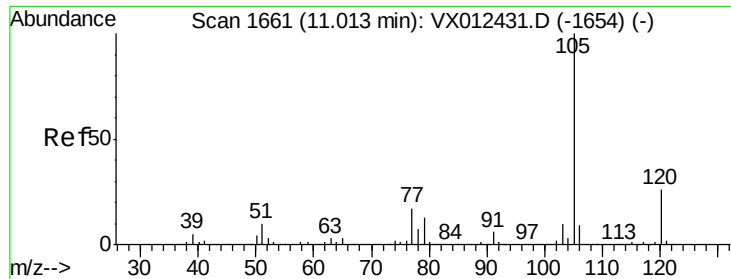
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX012720.D
Acq: 30 Sep 2019 20:59

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	88743		
115	64.5	44.1	132.3	
150	156.8	0.0	343.8	





#73

Isopropylbenzene

Concen: 0.619 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX012720.D

Acq: 30 Sep 2019 20:59

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ171I-20190925

Tot Ion:105 Resp: 4475

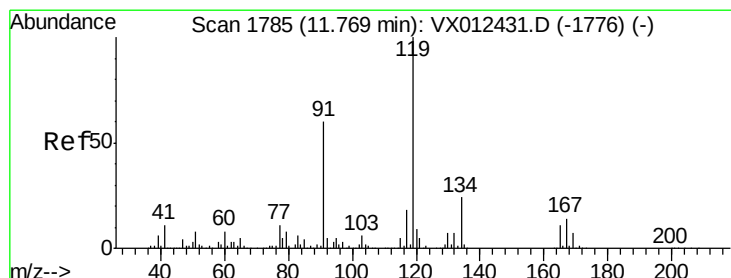
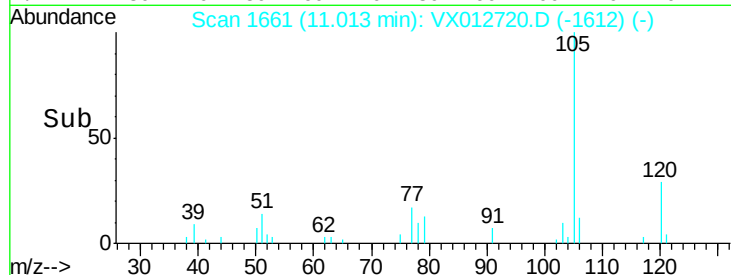
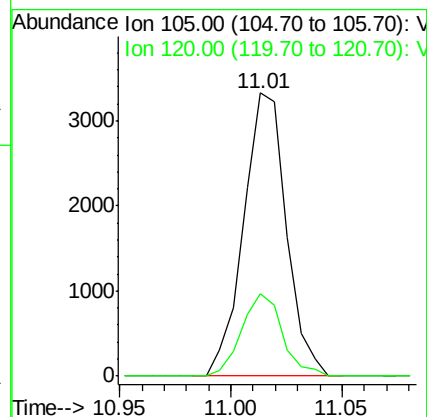
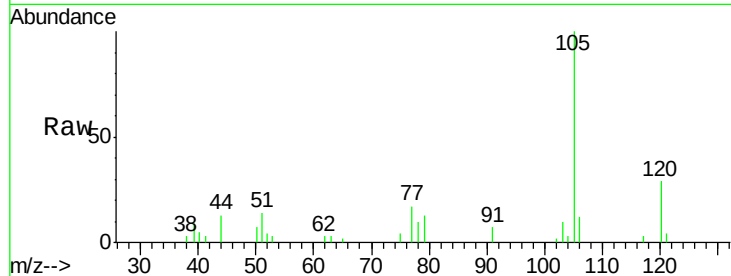
Ion Ratio Lower Upper

105 100

120 27.7 12.9 38.7

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#83

tert-Butylbenzene

Concen: 0.535 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX012720.D

Acq: 30 Sep 2019 20:59

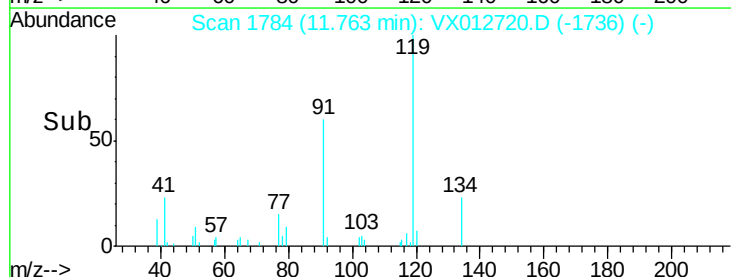
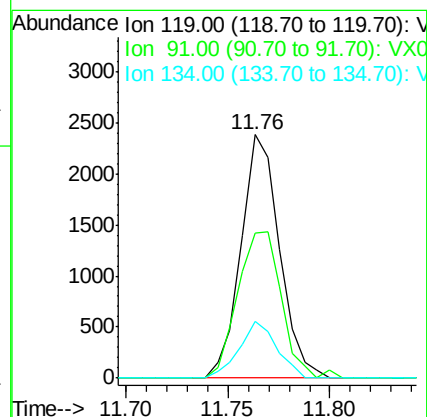
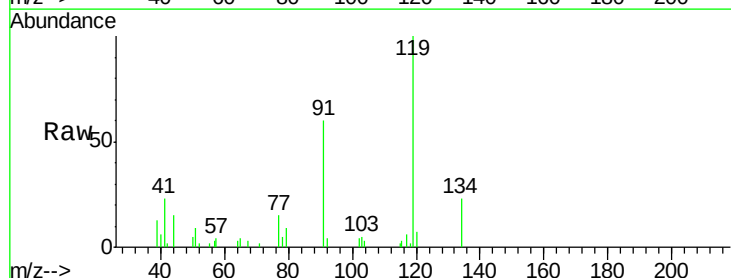
Tgt Ion:119 Resp: 3128

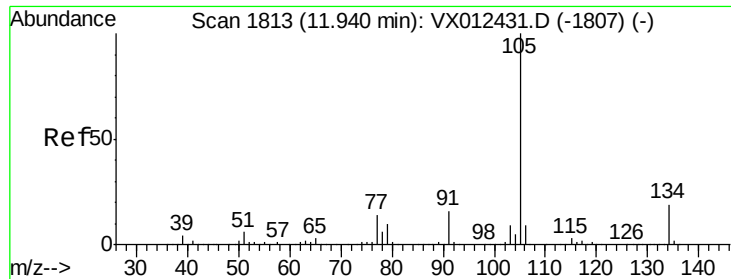
Ion Ratio Lower Upper

119 100

91 67.9 30.0 90.0

134 22.6 11.3 33.9





#85

sec-Butylbenzene

Concen: 2.136 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX012720.D

Acq: 30 Sep 2019 20:59

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ171I-20190925

Tot Ion:105 Resp: 14527

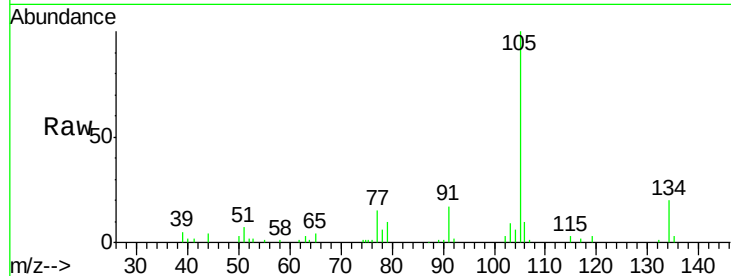
Ion Ratio Lower Upper

105 100

134 26.6 9.8 29.4

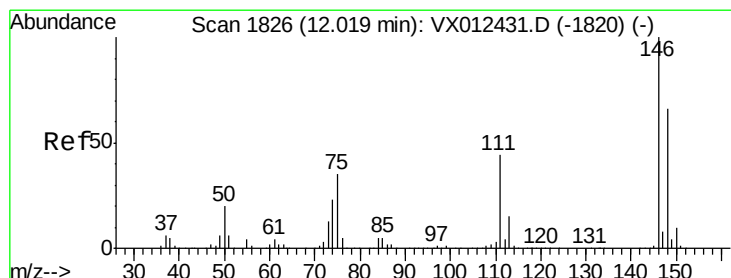
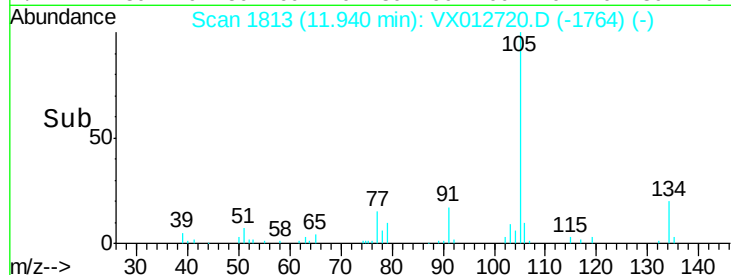
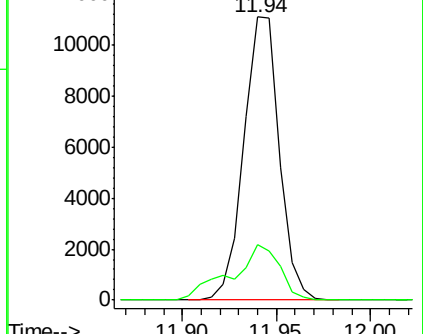
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#87

1,3-Dichlorobenzene

Concen: 0.574 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX012720.D

Acq: 30 Sep 2019 20:59

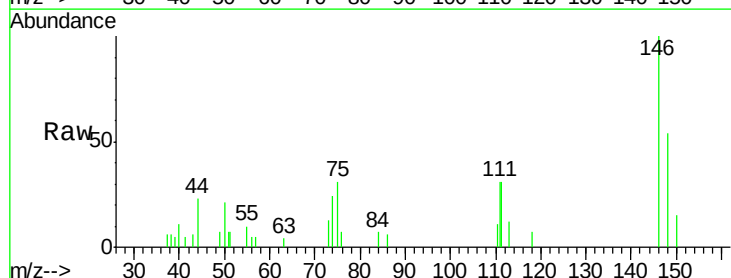
Tgt Ion:146 Resp: 1690

Ion Ratio Lower Upper

146 100

111 55.9 21.3 64.0

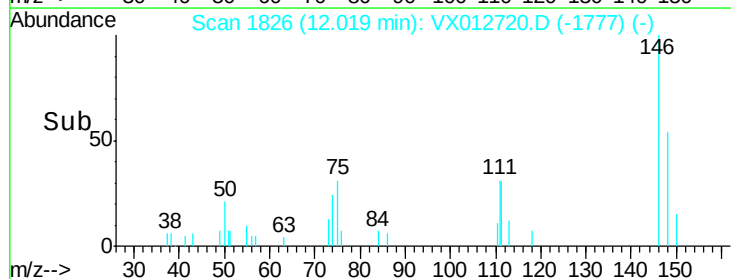
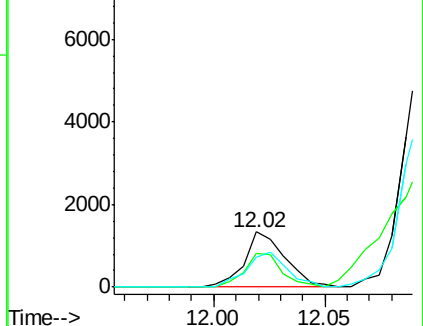
148 64.0 32.4 97.2

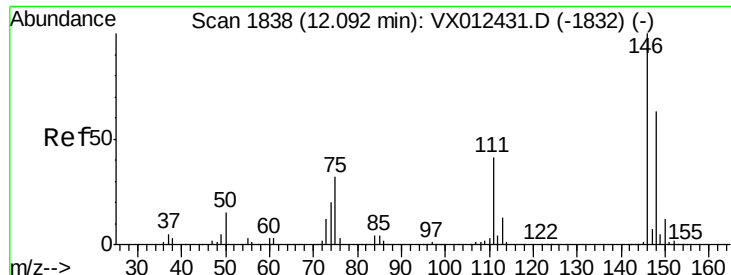


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





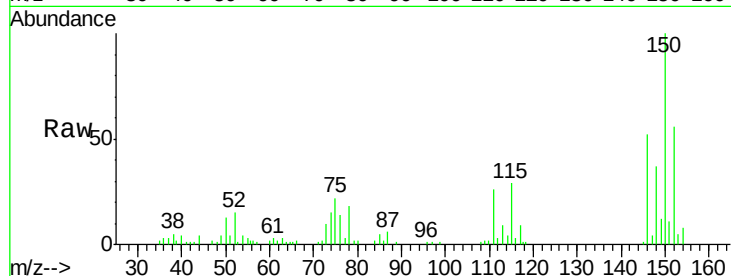
#88
 1,4-Dichlorobenzene
 Concen: 2.338 ug/l m
 RT: 12.09 min Scan# 1838
 Delta R.T. 0.00 min
 Lab File: VX012720.D
 Acq: 30 Sep 2019 20:59

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ171I-20190925

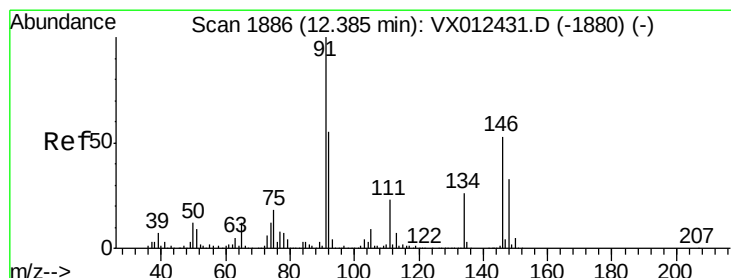
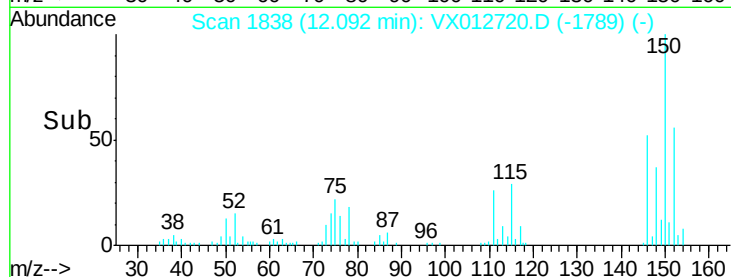
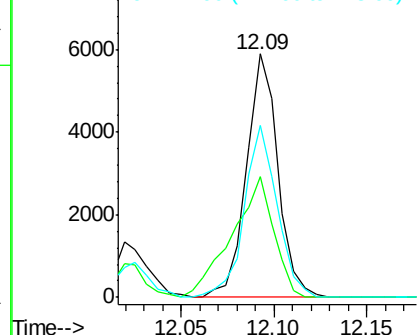
Tot Ion	Ratio	Lower	Upper
146	100		
111	13.6	21.1	63.3#
148	15.5	32.1	96.5#

Manual Integrations
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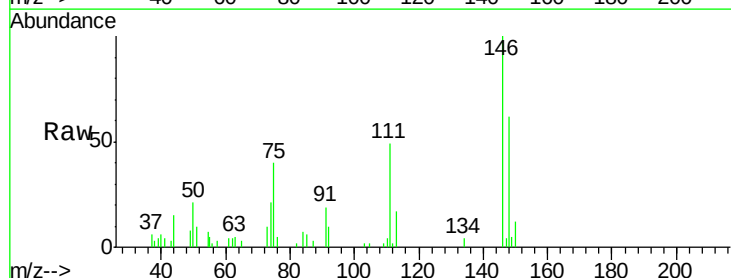


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V



#91
 1,2-Dichlorobenzene
 Concen: 1.357 ug/l
 RT: 12.39 min Scan# 1886
 Delta R.T. 0.00 min
 Lab File: VX012720.D
 Acq: 30 Sep 2019 20:59

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.1	66.1
148	65.3	31.3	93.9



Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

