

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX091020\
 Data File : VX018344.D
 Acq On : 10 Sep 2020 17:11
 Operator : JC/SP
 Sample : L3952-09 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40615

Manual Integrations
 APPROVED

MMDadoda
 9/11/2020 10:13:45 AM

Quant Time: Sep 11 07:31:26 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	459779	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	716491	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	696350	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	354830	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	319443	50.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.10%	
35) Dibromofluoromethane	5.46	113	243073	49.81	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.62%	
50) Toluene-d8	8.70	98	868818	47.80	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.60%	
62) 4-Bromofluorobenzene	11.12	95	352621	49.31	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.62%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.01	59	5153	4.152	ug/l #	86
16) Acetone	2.42	43	183903m	73.941	ug/l	
19) Methyl tert-butyl Ether	3.17	73	23373	1.517	ug/l #	84
22) Diisopropyl ether	3.83	45	16561	1.039	ug/l #	85
25) 2-Butanone	4.64	43	59058	14.448	ug/l	99
37) Ethyl Acetate	4.79	43	461070	60.071	ug/l	99
40) Benzene	6.11	78	549873	28.317	ug/l	100
52) Toluene	8.77	92	426479	34.636	ug/l	100
67) Ethyl Benzene	10.24	91	44784	1.894	ug/l	98
68) m/p-Xylenes	10.34	106	56202	6.367	ug/l	93
69) o-Xylene	10.68	106	36109	4.220	ug/l	99
73) Isopropylbenzene	11.01	105	6763	0.289	ug/l	86
78) n-propylbenzene	11.34	91	19754	0.743	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	24834	1.291	ug/l	94
84) 1,2,4-Trimethylbenzene	11.79	105	116900	5.945	ug/l	97
85) sec-Butylbenzene	11.93	105	7873	0.365	ug/l #	74
89) n-Butylbenzene	12.37	91	13741	0.759	ug/l #	45
95) Naphthalene	13.82	128	74560	3.178	ug/l	97

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

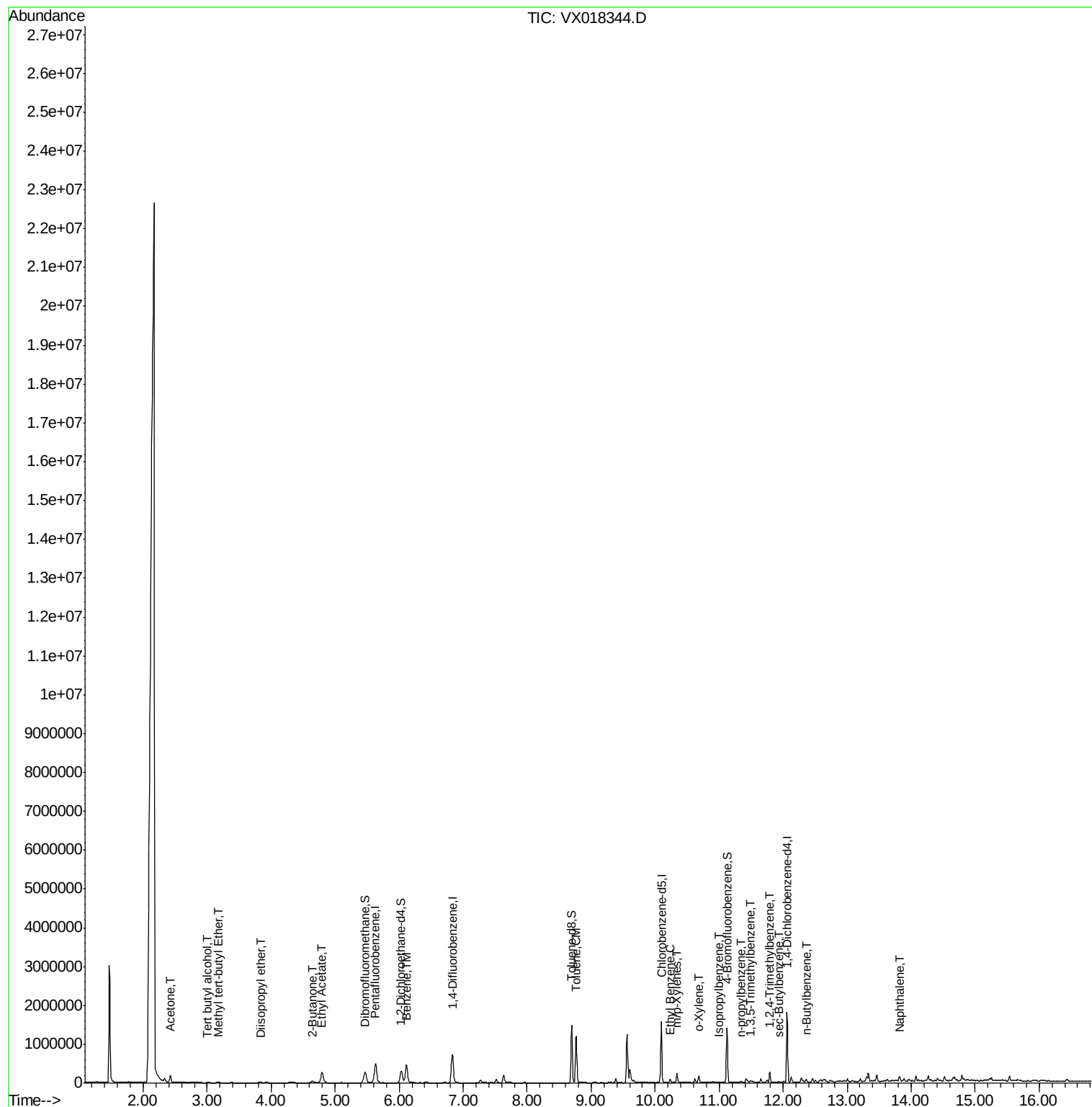
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX091020\
Data File : VX018344.D
Acq On : 10 Sep 2020 17:11
Operator : JC/SP
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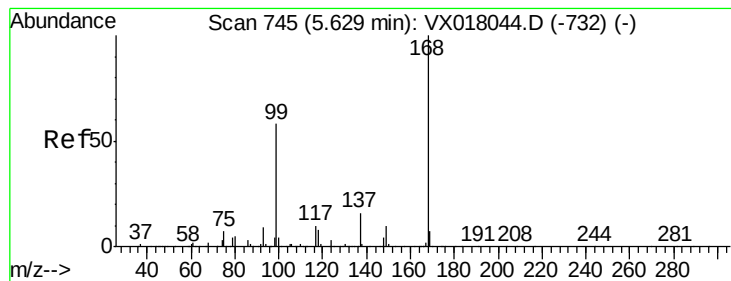
Instrument :
MSVOA_X
ClientSampleId :
40615

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Quant Time: Sep 11 07:31:26 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX018344.D

Acq: 10 Sep 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

40615

Tot Ion:168 Resp: 459779

Ion Ratio Lower Upper

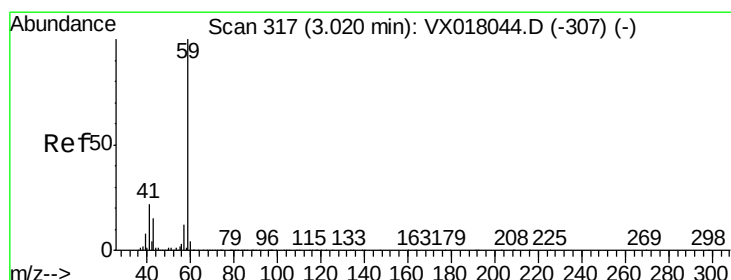
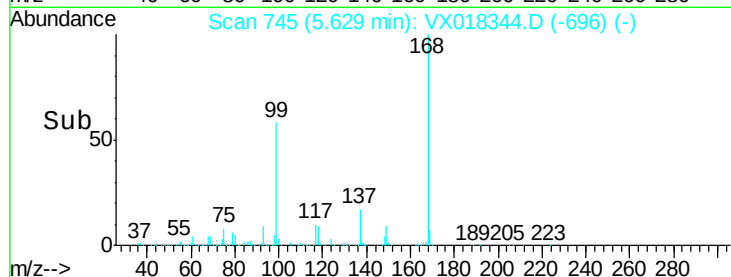
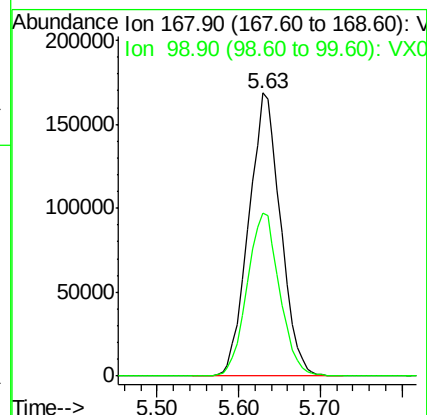
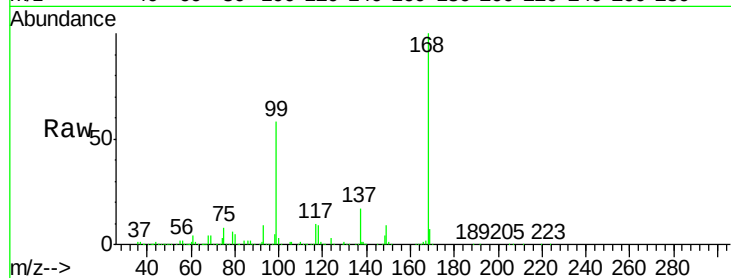
168 100

99 57.8 46.3 69.5

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#11

Tert butyl alcohol

Concen: 4.152 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX018344.D

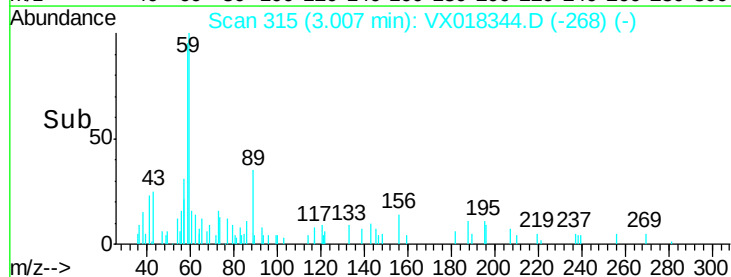
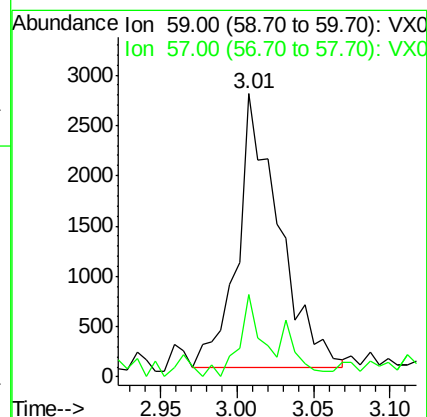
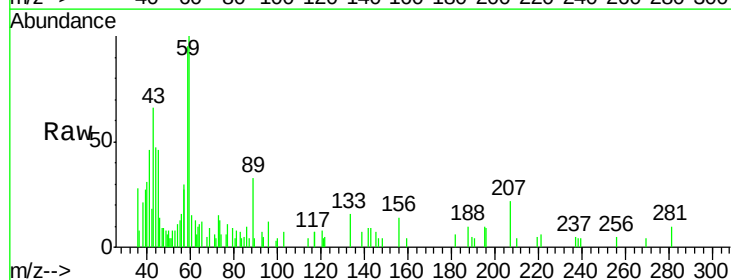
Acq: 10 Sep 2020 17:11

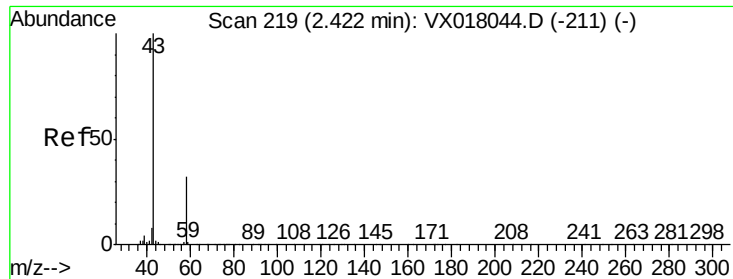
Tgt Ion: 59 Resp: 5153

Ion Ratio Lower Upper

59 100

57 16.5 8.9 13.3#





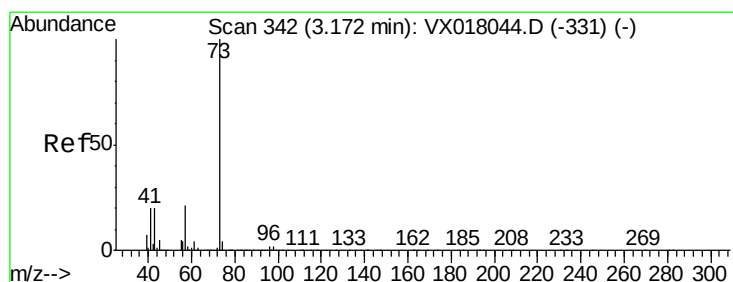
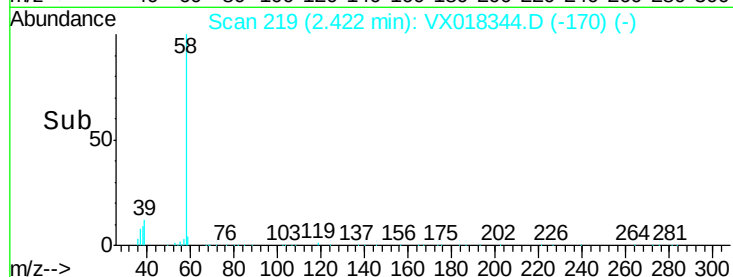
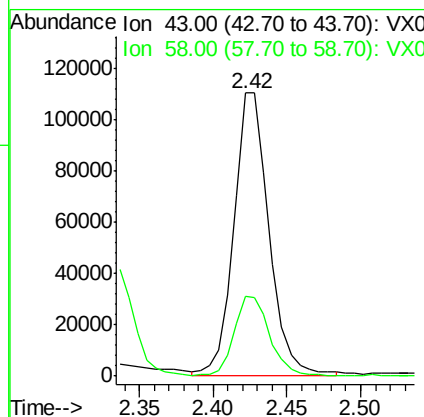
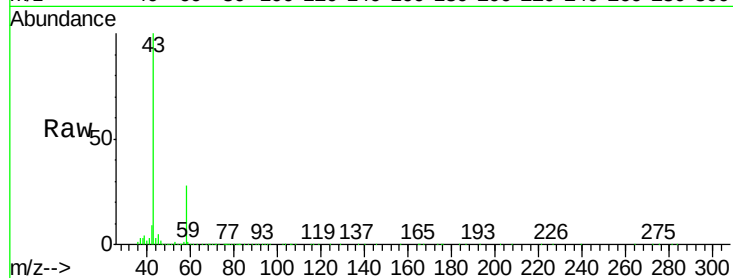
#16
Acetone
Concen: 73.941 ug/l m
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX018344.D
Acq: 10 Sep 2020 17:11

Instrument :
MSVOA_X
ClientSampled :
40615

Tot Ion	Ratio	Lower	Upper
43	100		
58	28.1	25.5	38.3

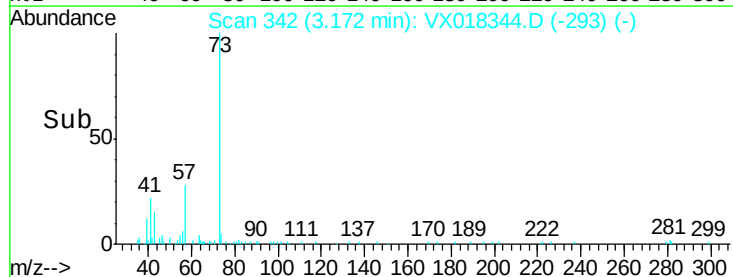
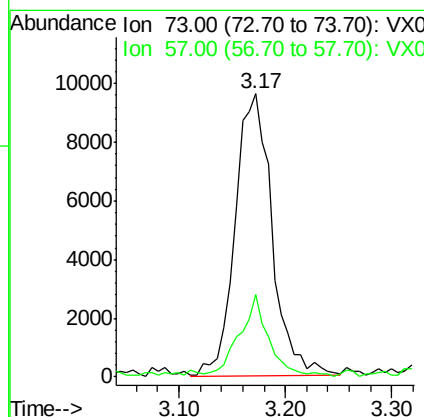
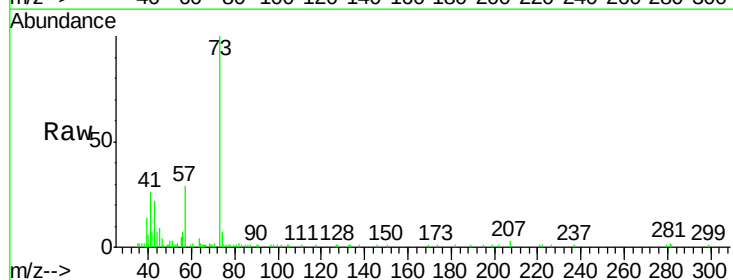
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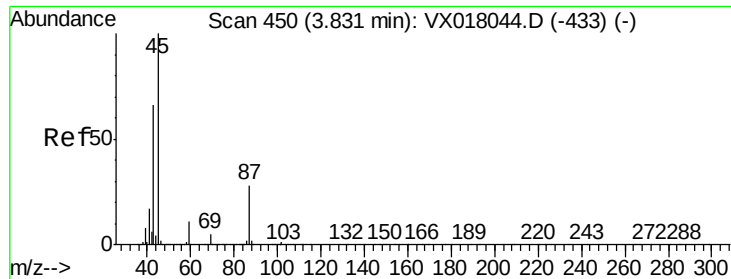
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#19
Methyl tert-butyl Ether
Concen: 1.517 ug/l
RT: 3.17 min Scan# 342
Delta R.T. -0.00 min
Lab File: VX018344.D
Acq: 10 Sep 2020 17:11

Tgt Ion	Ratio	Lower	Upper
73	100		
57	28.6	16.8	25.2#





#22

Diisopropyl ether

Concen: 1.039 ug/l

RT: 3.83 min Scan# 450

Delta R.T. -0.00 min

Lab File: VX018344.D

Acq: 10 Sep 2020 17:11

Instrument :

MSVOA_X

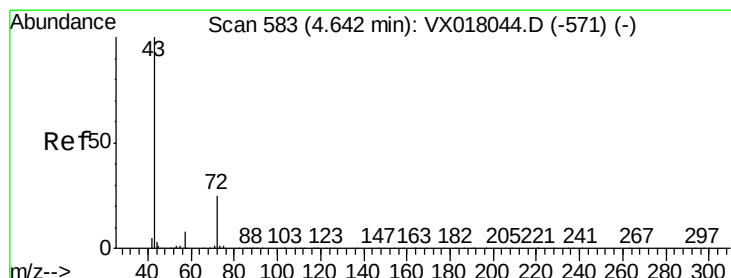
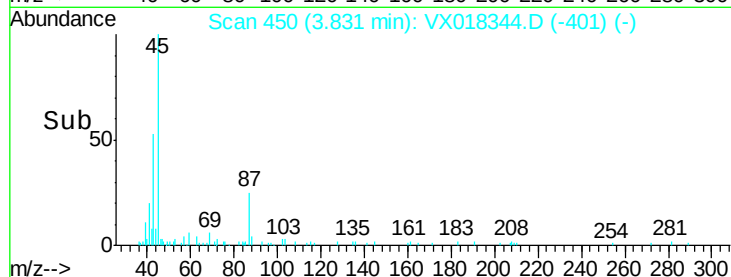
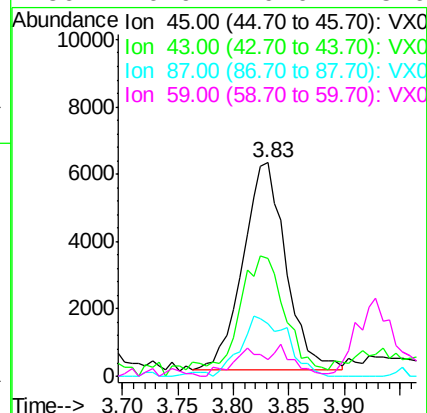
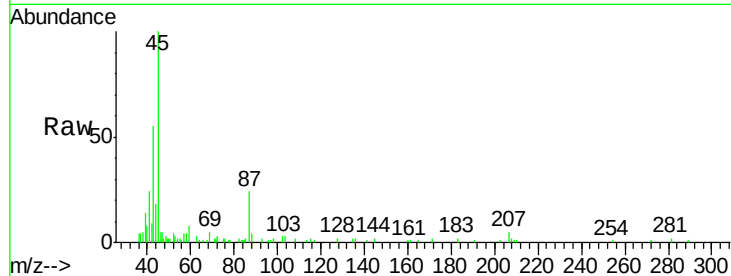
ClientSampled :

40615

Tot Ion	Ratio	Lower	Upper
45	100		
43	50.0	52.8	79.2#
87	25.1	22.5	33.7
59	6.9	9.0	13.6#

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#25

2-Butanone

Concen: 14.448 ug/l

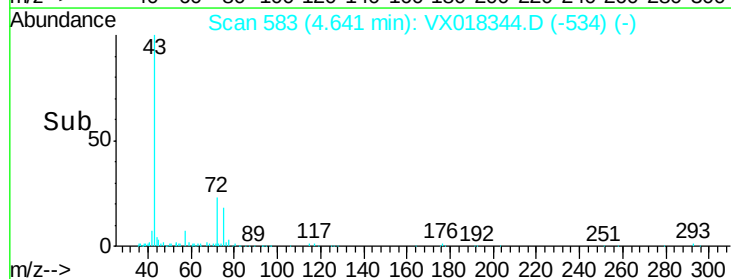
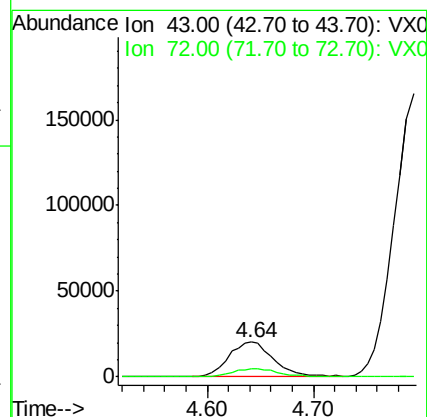
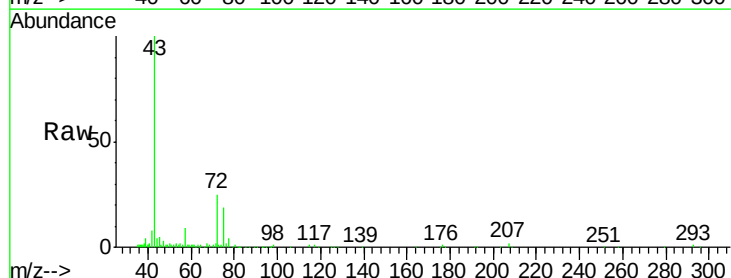
RT: 4.64 min Scan# 583

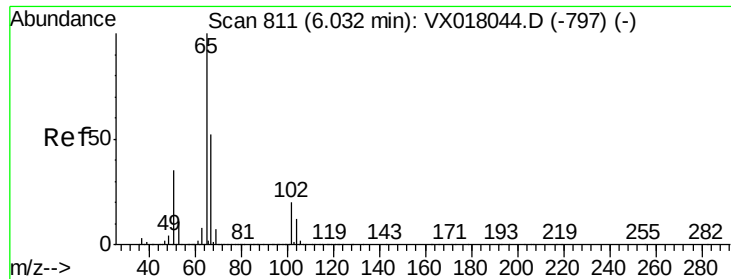
Delta R.T. -0.00 min

Lab File: VX018344.D

Acq: 10 Sep 2020 17:11

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.2	19.8	29.6





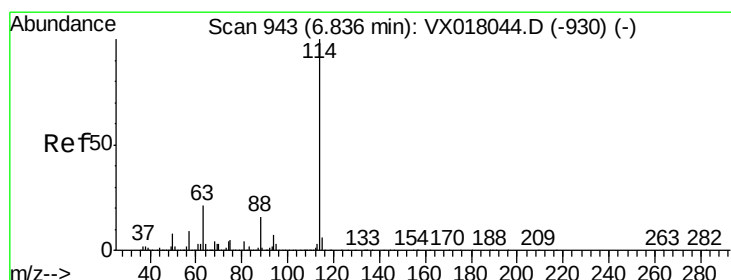
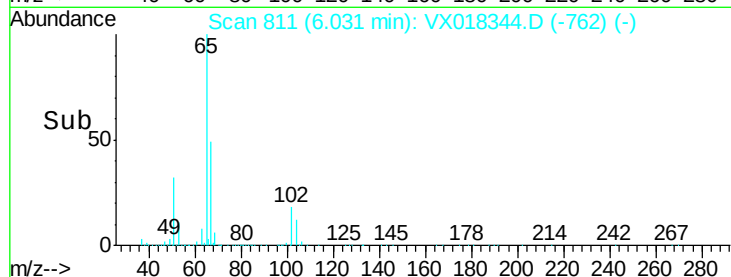
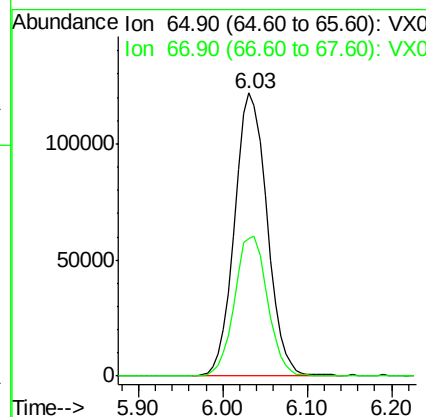
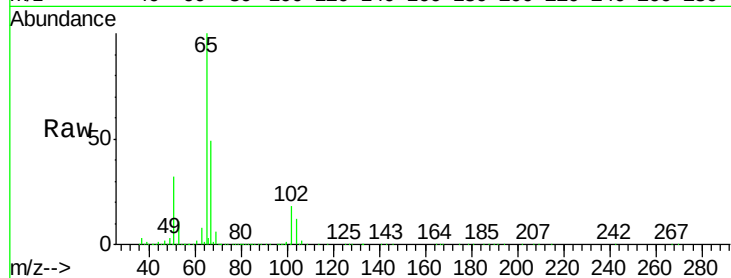
#33
 1,2-Dichloroethane-d4
 Concen: 50.047 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX018344.D
 Acq: 10 Sep 2020 17:11

Instrument :
 MSVOA_X
 ClientSampled :
 40615

Tot Ion	Ratio	Resp	Lower	Upper
65	100	319443		
67	50.0	0.0	105.8	

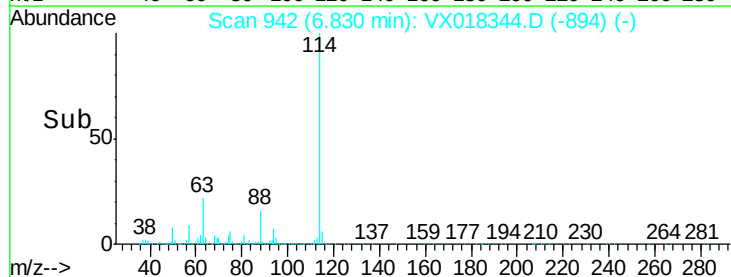
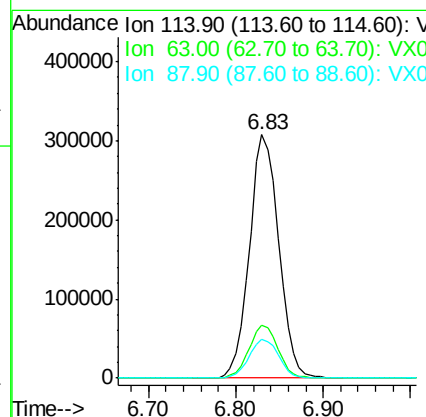
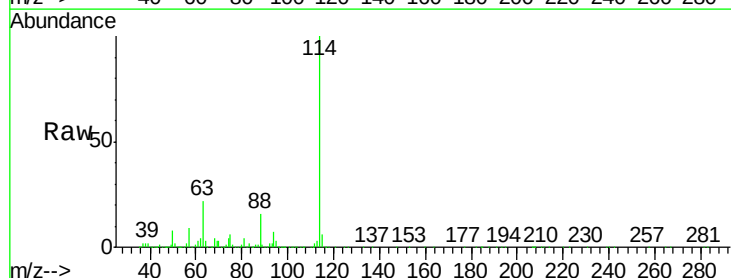
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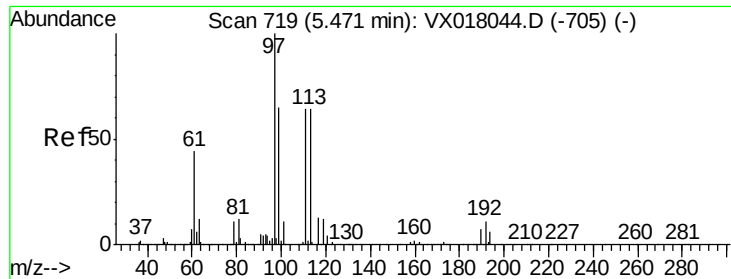
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.01 min
 Lab File: VX018344.D
 Acq: 10 Sep 2020 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	716491		
63	21.9	0.0	42.6	
88	16.0	0.0	31.8	





#35

Dibromofluoromethane

Concen: 49.814 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX018344.D

Acq: 10 Sep 2020 17:11

Instrument :

MSVOA_X

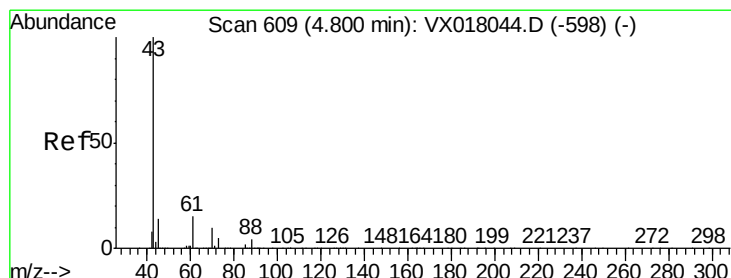
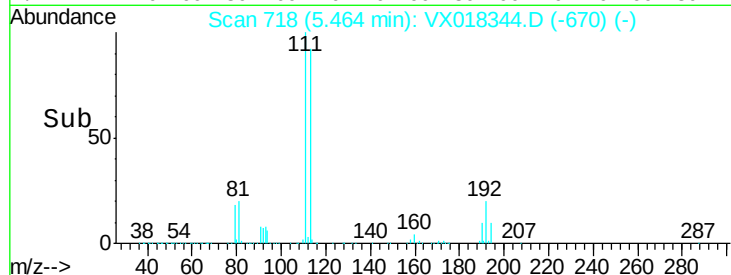
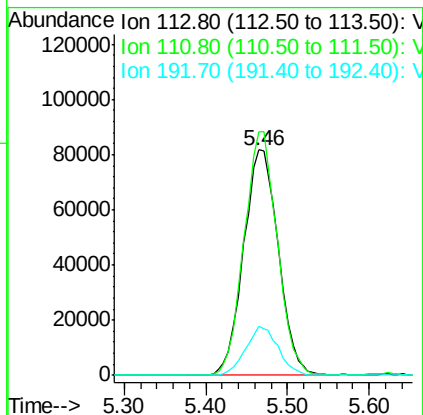
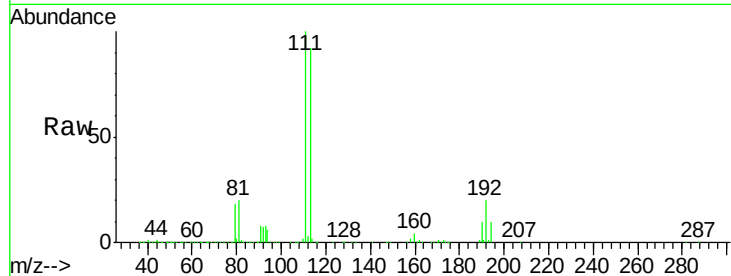
ClientSampleId :

40615

Tot Ion:	113	Resp:	243073
Ion Ratio	Lower	Upper	
113	100		
111	103.1	81.6	122.4
192	20.4	15.8	23.8

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#37

Ethyl Acetate

Concen: 60.071 ug/l

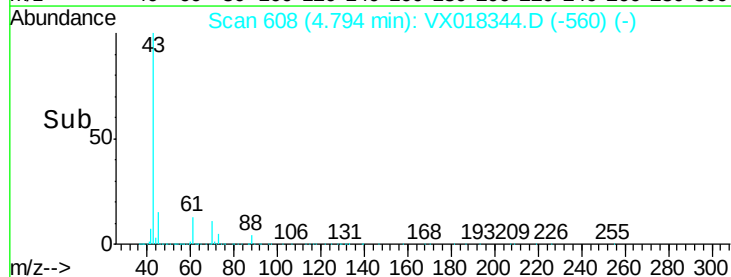
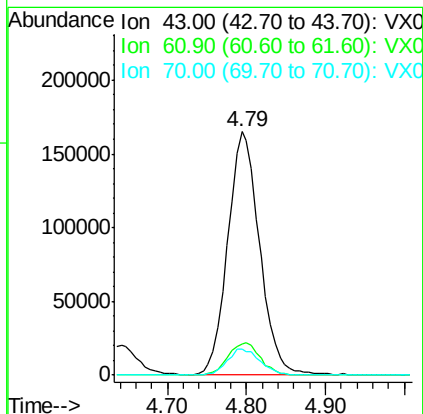
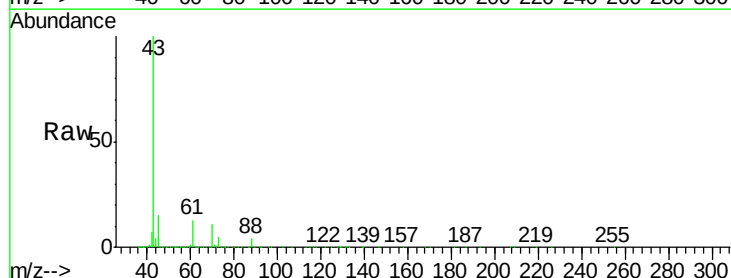
RT: 4.79 min Scan# 608

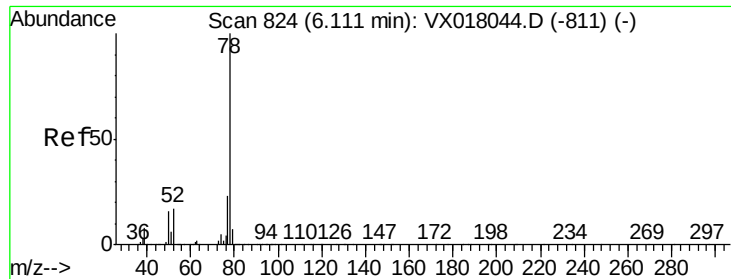
Delta R.T. -0.01 min

Lab File: VX018344.D

Acq: 10 Sep 2020 17:11

Tgt Ion:	43	Resp:	461070
Ion Ratio	Lower	Upper	
43	100		
61	13.9	11.3	16.9
70	11.1	8.2	12.4





#40

Benzene

Concen: 28.317 ug/l

RT: 6.11 min Scan# 824

Delta R.T. -0.00 min

Lab File: VX018344.D

Acq: 10 Sep 2020 17:11

Instrument :

MSVOA_X

ClientSampleId :

40615

Tot Ion: 78 Resp: 549873

Ion Ratio Lower Upper

78 100

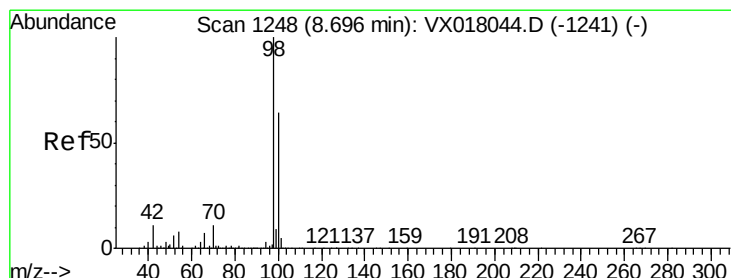
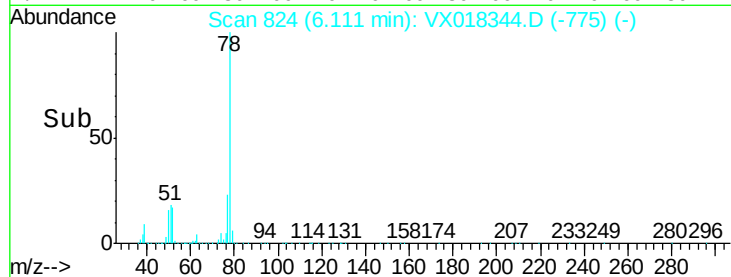
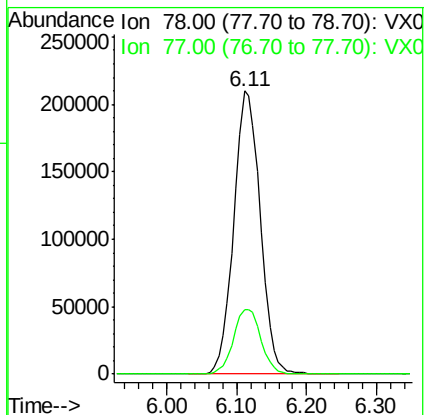
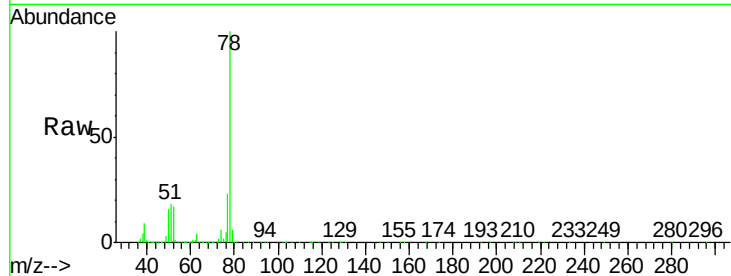
77 22.6 18.2 27.2

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#50

Toluene-d8

Concen: 47.804 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX018344.D

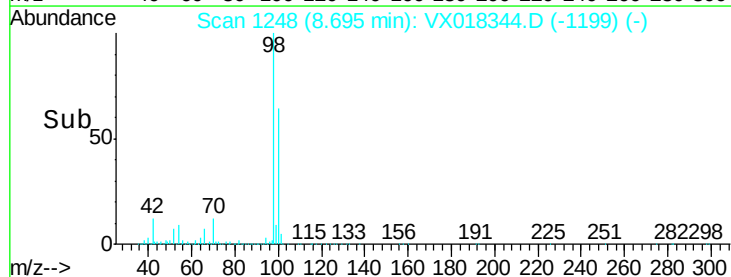
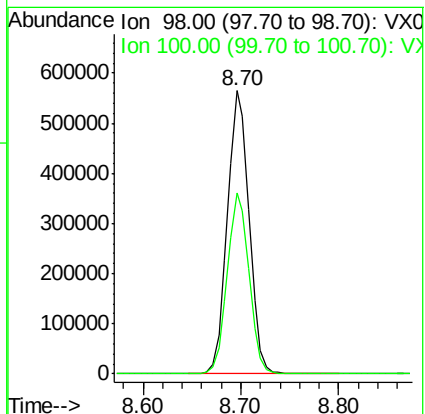
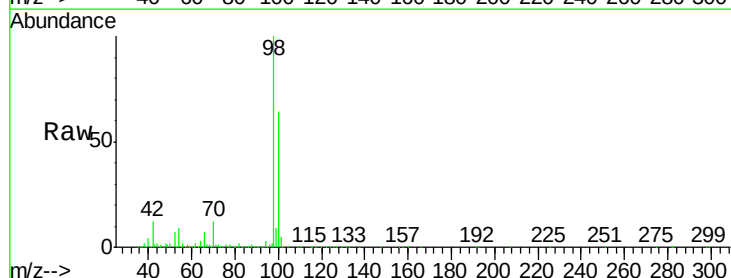
Acq: 10 Sep 2020 17:11

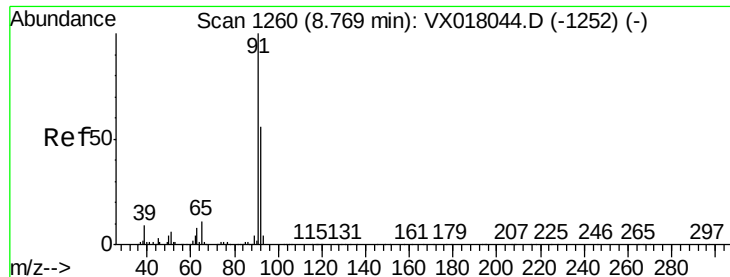
Tgt Ion: 98 Resp: 868818

Ion Ratio Lower Upper

98 100

100 64.2 52.2 78.4





#52

Toluene

Concen: 34.636 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX018344.D

Acq: 10 Sep 2020 17:11

Instrument :

MSVOA_X

ClientSampled :

40615

Tot Ion: 92 Resp: 426479

Ion Ratio Lower Upper

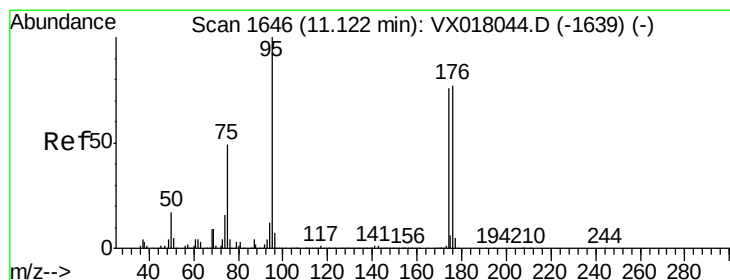
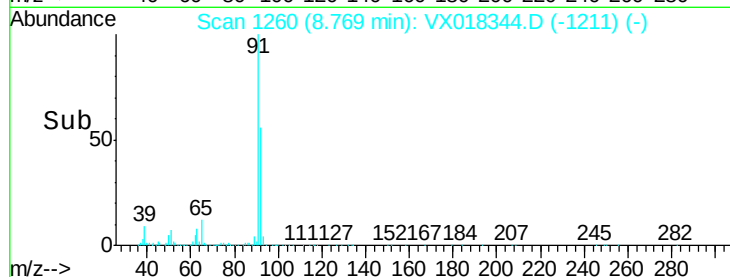
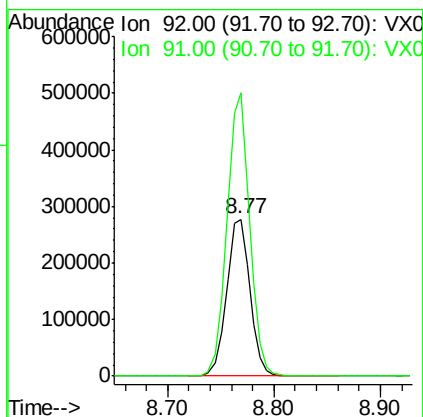
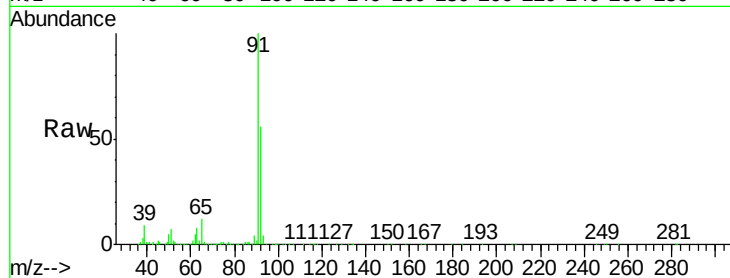
92 100

91 175.0 140.3 210.5

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#62

4-Bromofluorobenzene

Concen: 49.314 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018344.D

Acq: 10 Sep 2020 17:11

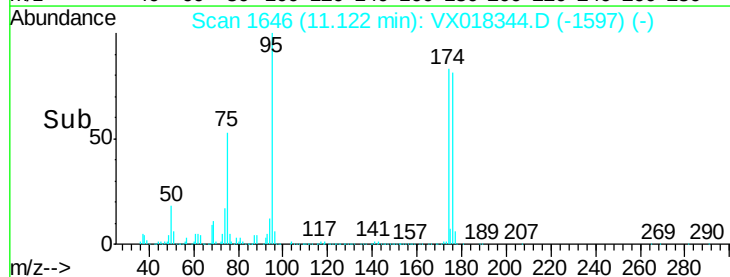
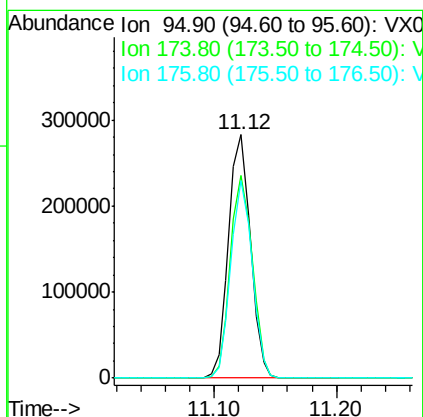
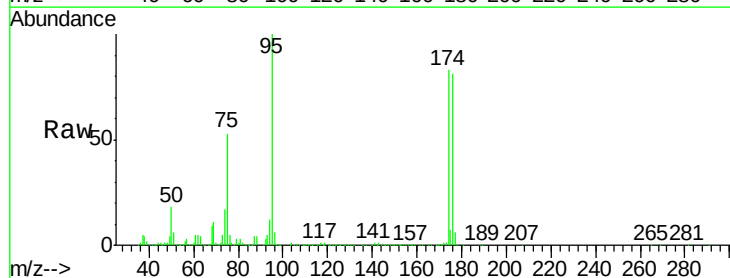
Tgt Ion: 95 Resp: 352621

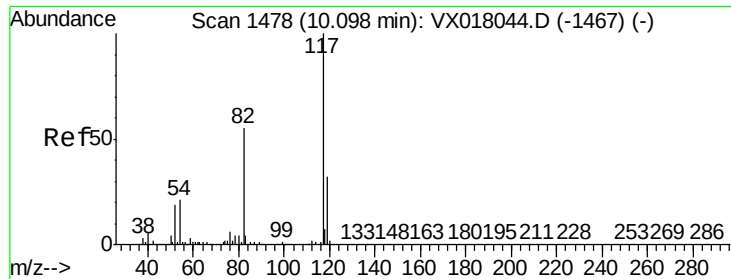
Ion Ratio Lower Upper

95 100

174 83.4 0.0 160.2

176 79.2 0.0 155.8





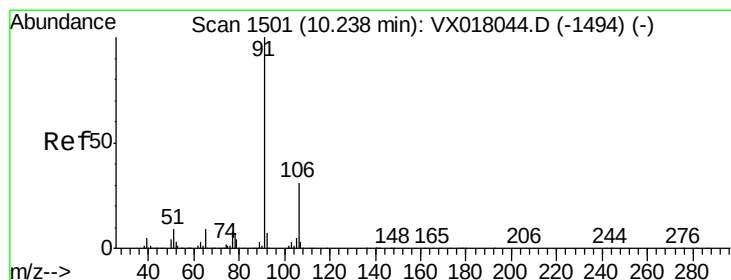
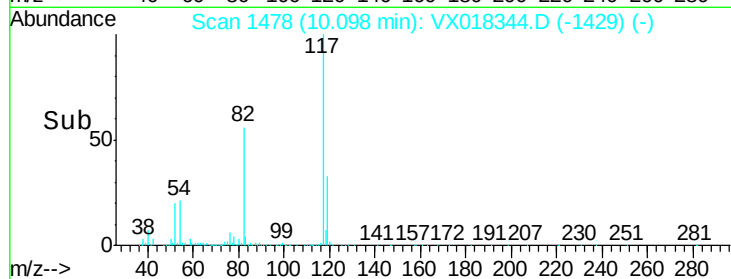
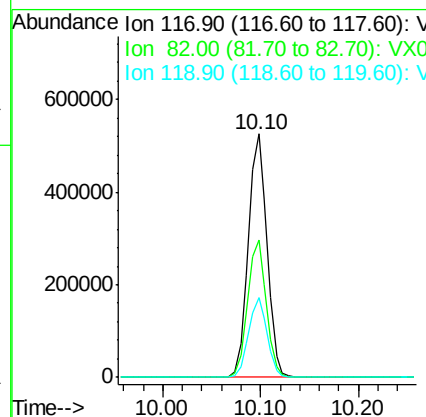
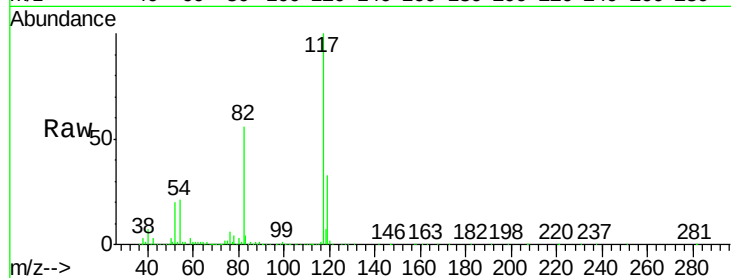
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018344.D
Acq: 10 Sep 2020 17:11

Instrument :
MSVOA_X
ClientSampleId :
40615

Tot Ion	Ratio	Resp	Lower	Upper
117	100	696350		
82	56.2		44.2	66.2
119	32.7		25.7	38.5

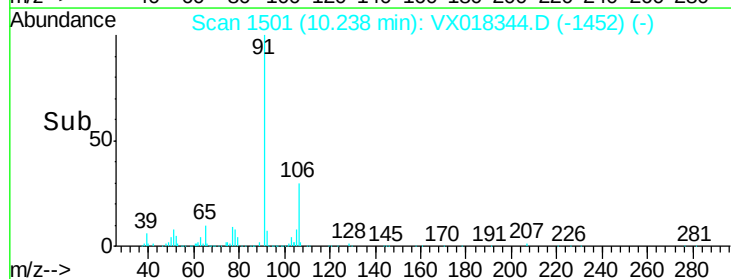
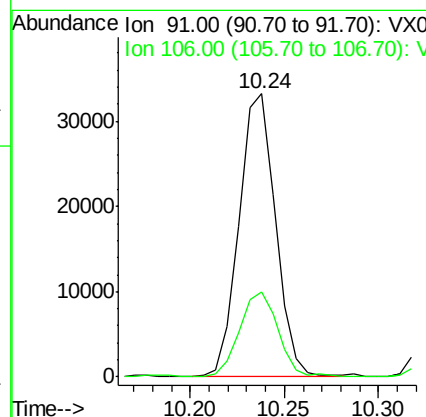
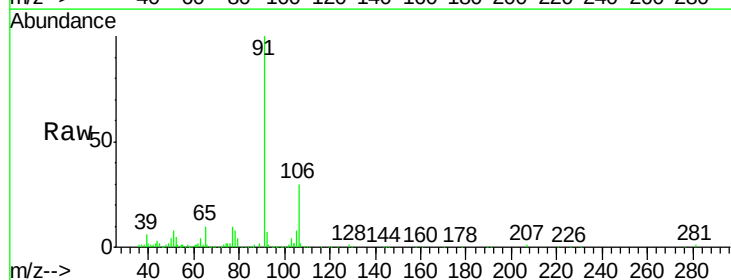
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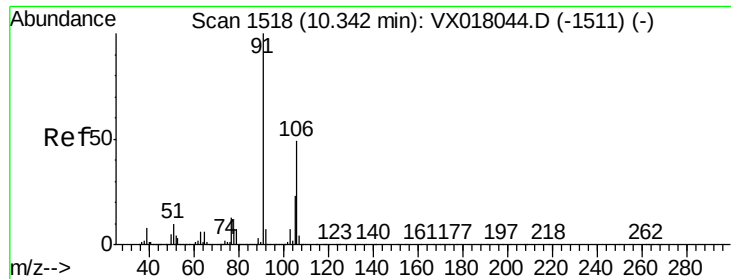
MMDadoda
9/11/2020 10:13:45 AM



#67
Ethyl Benzene
Concen: 1.894 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX018344.D
Acq: 10 Sep 2020 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	44784		
106	30.0		24.9	37.3





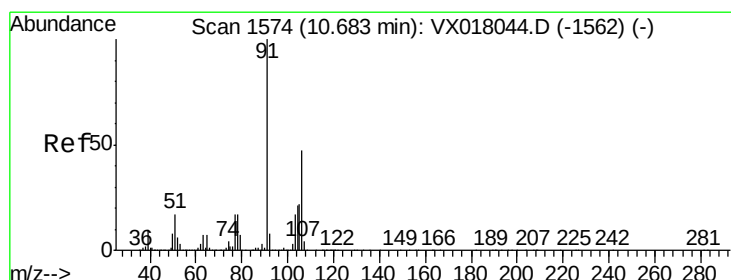
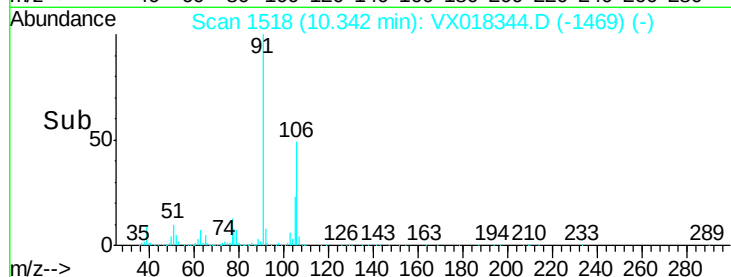
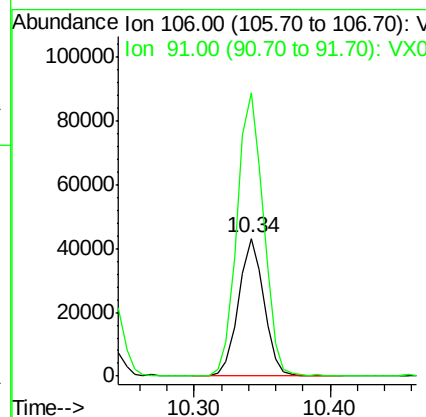
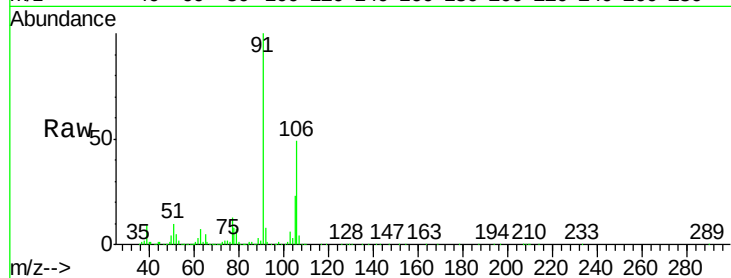
#68
m/p-Xylenes
Concen: 6.367 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX018344.D
Acq: 10 Sep 2020 17:11

Instrument :
MSVOA_X
ClientSampled :
40615

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	212.9	162.2	243.2	

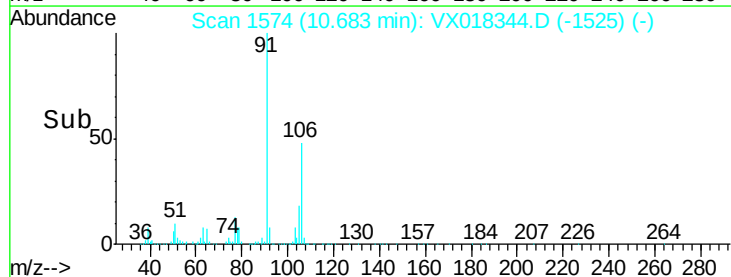
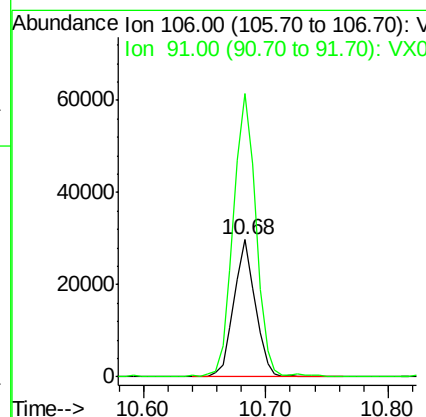
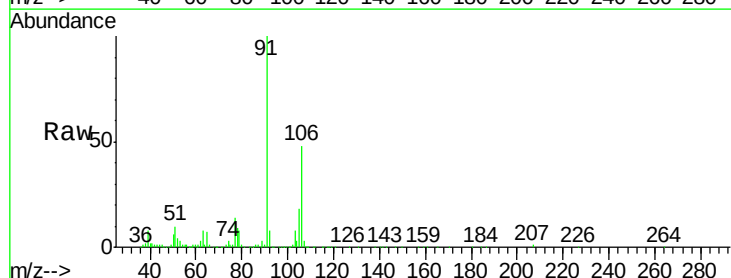
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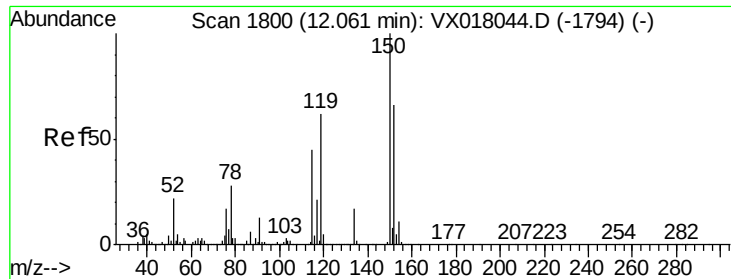
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#69
o-Xylene
Concen: 4.220 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX018344.D
Acq: 10 Sep 2020 17:11

Tgt Ion	Ion	Ratio	Lower	Upper
106	100			
91	215.6	107.1	321.3	





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018344.D

Acq: 10 Sep 2020 17:11

Instrument :

MSVOA_X

ClientSampled :

40615

Tot Ion:152 Resp: 354830

Ion Ratio Lower Upper

152 100

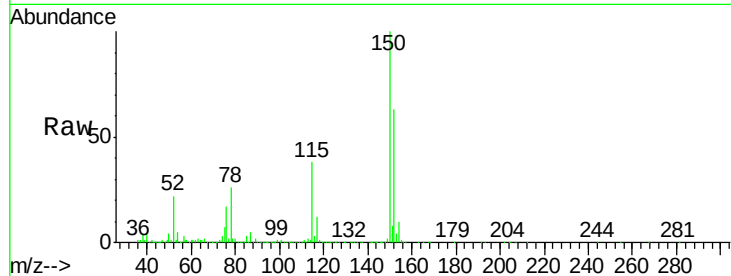
115 60.1 41.5 124.5

150 163.2 0.0 343.8

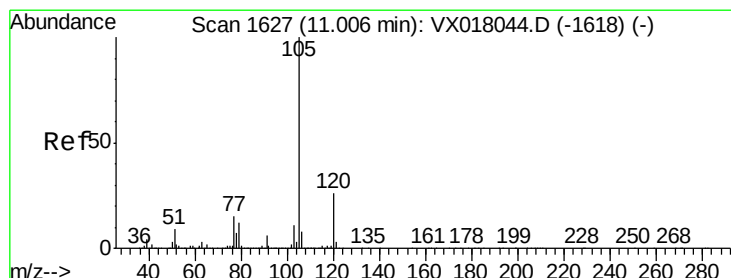
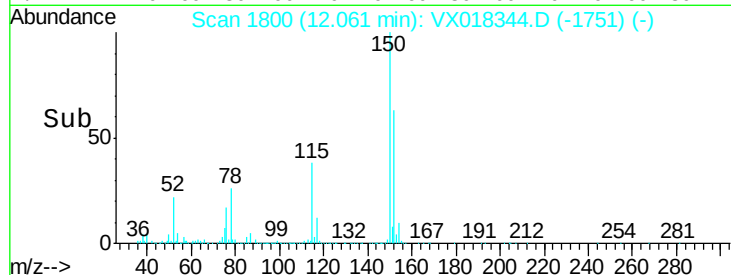
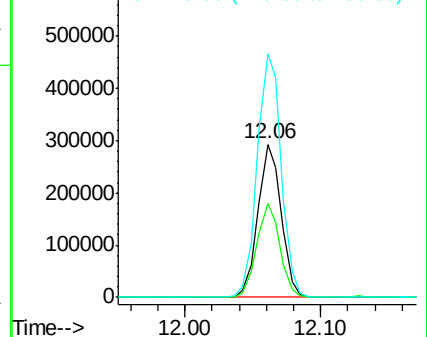
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 0.289 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. -0.00 min

Lab File: VX018344.D

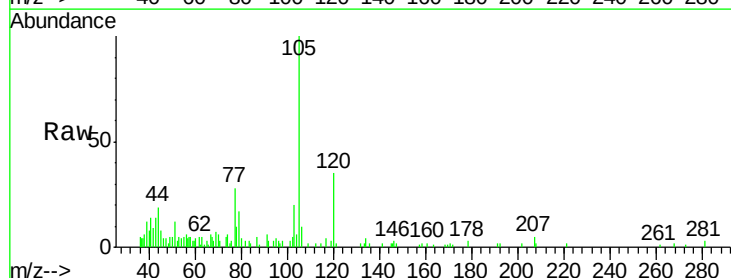
Acq: 10 Sep 2020 17:11

Tgt Ion:105 Resp: 6763

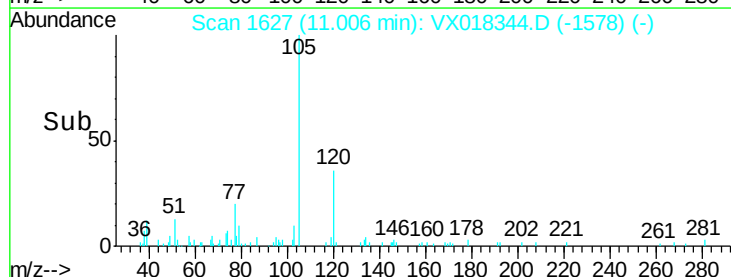
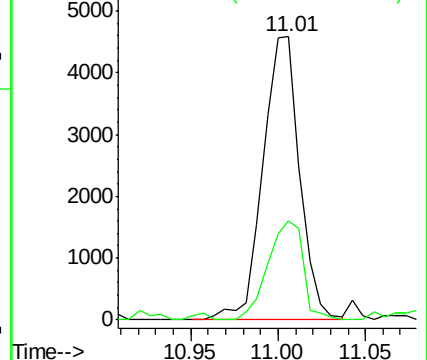
Ion Ratio Lower Upper

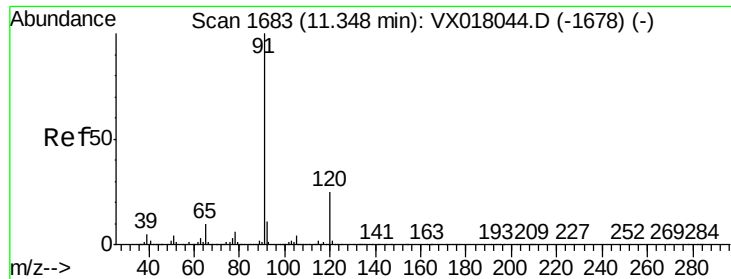
105 100

120 33.5 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 0.743 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VX018344.D

Acq: 10 Sep 2020 17:11

Instrument :

MSVOA_X

ClientSampled :

40615

Tot Ion: 91 Resp: 19754

Ion Ratio Lower Upper

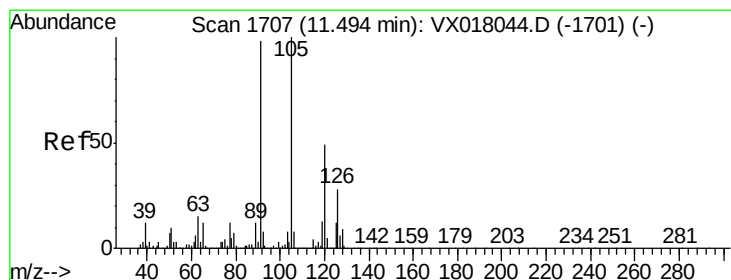
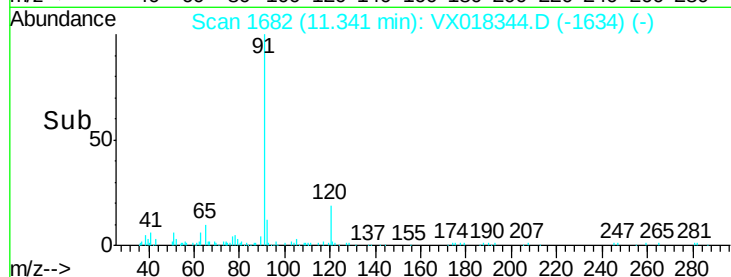
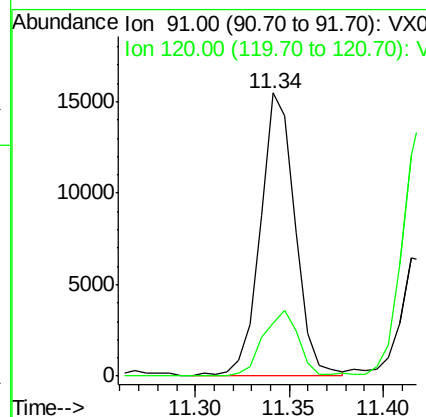
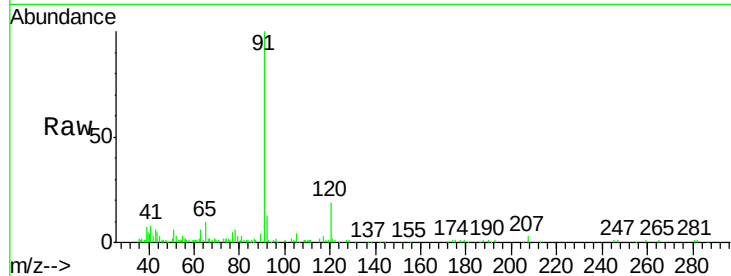
91 100

120 23.3 11.9 35.9

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#80

1,3,5-Trimethylbenzene

Concen: 1.291 ug/l

RT: 11.49 min Scan# 1706

Delta R.T. -0.01 min

Lab File: VX018344.D

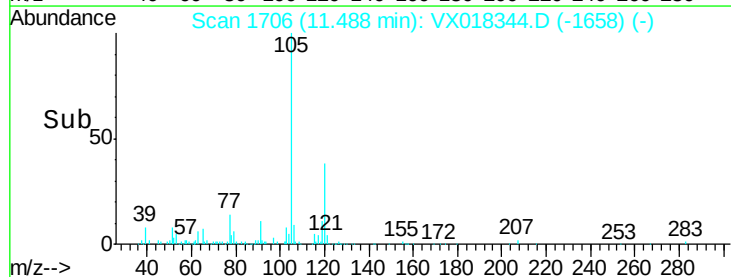
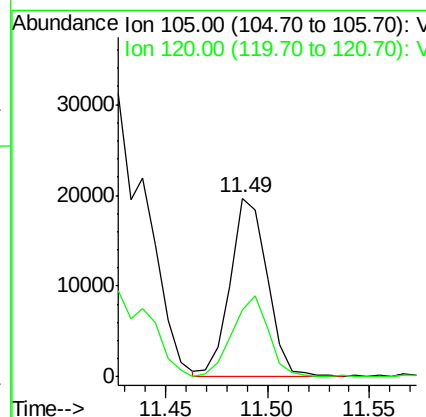
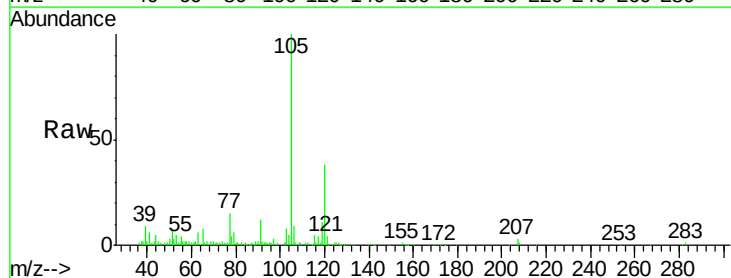
Acq: 10 Sep 2020 17:11

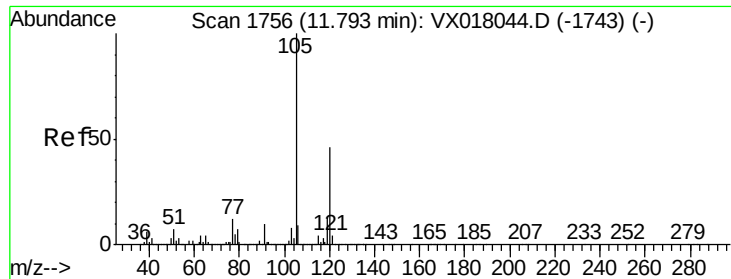
Tgt Ion: 105 Resp: 24834

Ion Ratio Lower Upper

105 100

120 44.2 24.1 72.2





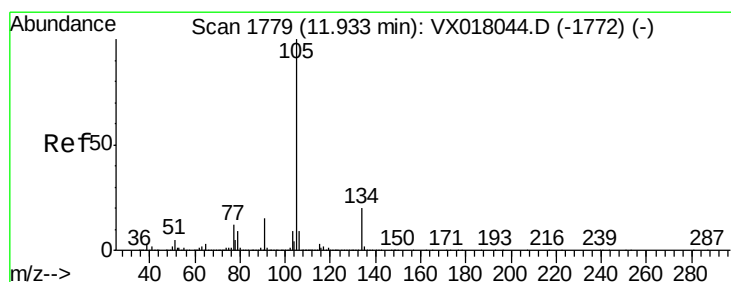
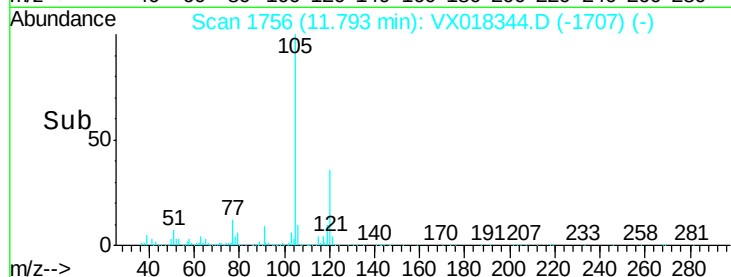
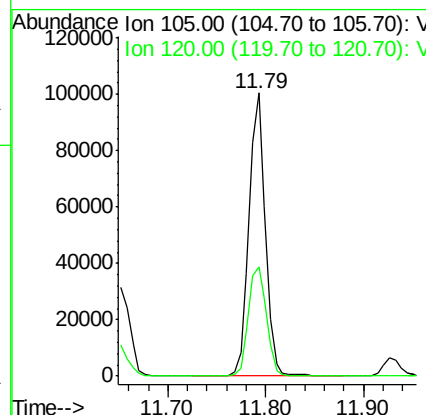
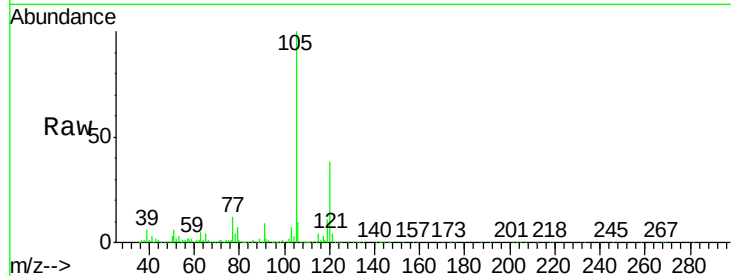
#84
 1,2,4-Trimethylbenzene
 Concen: 5.945 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX018344.D
 Acq: 10 Sep 2020 17:11

Instrument :
 MSVOA_X
 ClientSampleId :
 40615

Tot Ion	Ratio	Lower	Upper
105	100		
120	42.6	22.3	66.9

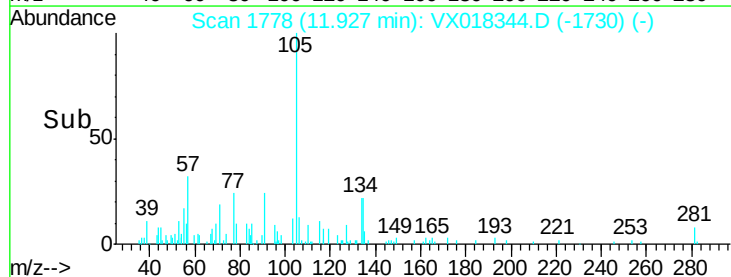
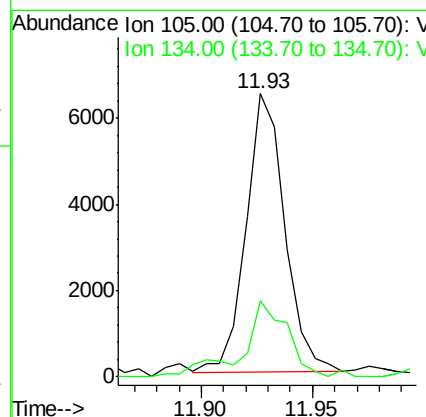
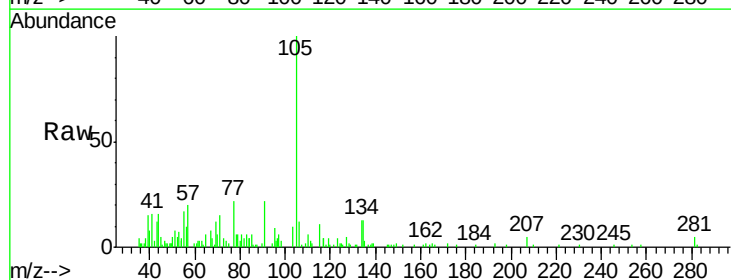
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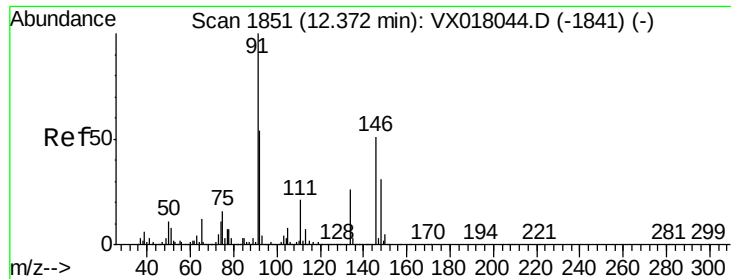
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#85
 sec-Butylbenzene
 Concen: 0.365 ug/l
 RT: 11.93 min Scan# 1778
 Delta R.T. -0.01 min
 Lab File: VX018344.D
 Acq: 10 Sep 2020 17:11

Tgt Ion	Ratio	Lower	Upper
105	100		
134	32.1	10.1	30.3#





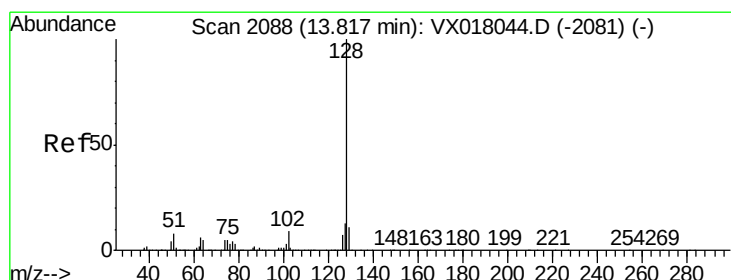
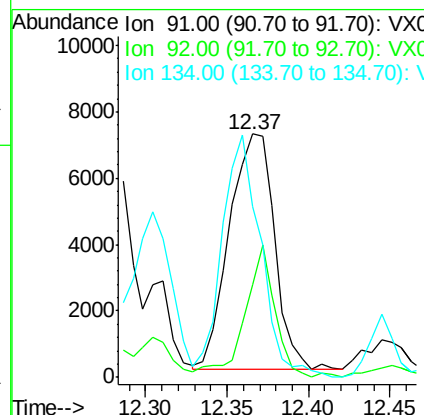
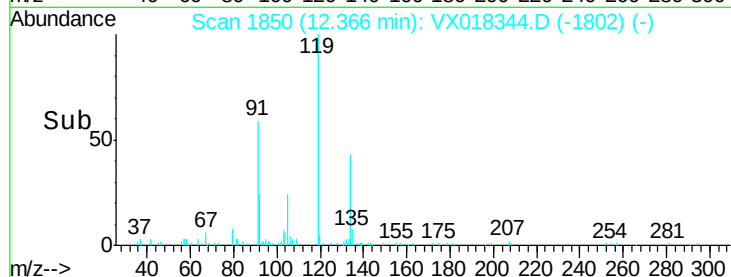
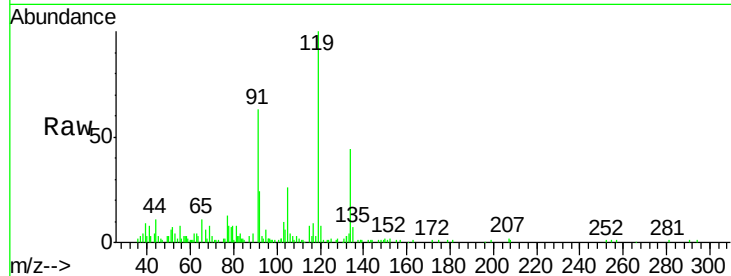
#89
n-Butylbenzene
Concen: 0.759 ug/l
RT: 12.37 min Scan# 1850
Delta R.T. -0.01 min
Lab File: VX018344.D
Acq: 10 Sep 2020 17:11

Instrument :
MSVOA_X
ClientSampled :
40615

Tot Ion	Ratio	Resp	Lower	Upper
91	100	13741		
92	37.2	26.4	79.2	
134	88.1	12.9	38.7#	

Manual Integrations
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#95
Naphthalene
Concen: 3.178 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX018344.D
Acq: 10 Sep 2020 17:11

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	74560		
127	14.1	10.2	15.2	
129	12.2	8.7	13.1	

