

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051220\
 Data File : VL035015.D
 Acq On : 13 May 2020 9:56
 Operator : SY/AP
 Sample : L2566-07DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-OFF-SITEDL

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Quant Time: May 14 14:40:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	796217	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	1947493	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	1783332	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	1432179	9.92	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.58	45	5529m	0.425	ppbv	
22) trans-1,2-Dichloroethene	4.85	96	10125	0.284	ppbv	91
29) Chloroform	5.72	83	117920	0.940	ppbv	86
31) cis-1,2-Dichloroethene	5.53	61	368662	4.929	ppbv	99
38) Trichloroethene	7.83	130	4621489	74.297	ppbv	95
52) Tetrachloroethene	11.26	164	9236409	161.778	ppbv	91
53) Toluene	9.82	91	56064	0.329	ppbv	98
58) Ethyl Benzene	12.73	91	125642	0.570	ppbv	93
59) m/p-Xylene	12.98	91	444519	2.291	ppbv #	59
60) o-Xylene	13.71	91	134249	0.701	ppbv	100
62) Isopropylbenzene	14.69	105	93051	0.326	ppbv	99

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

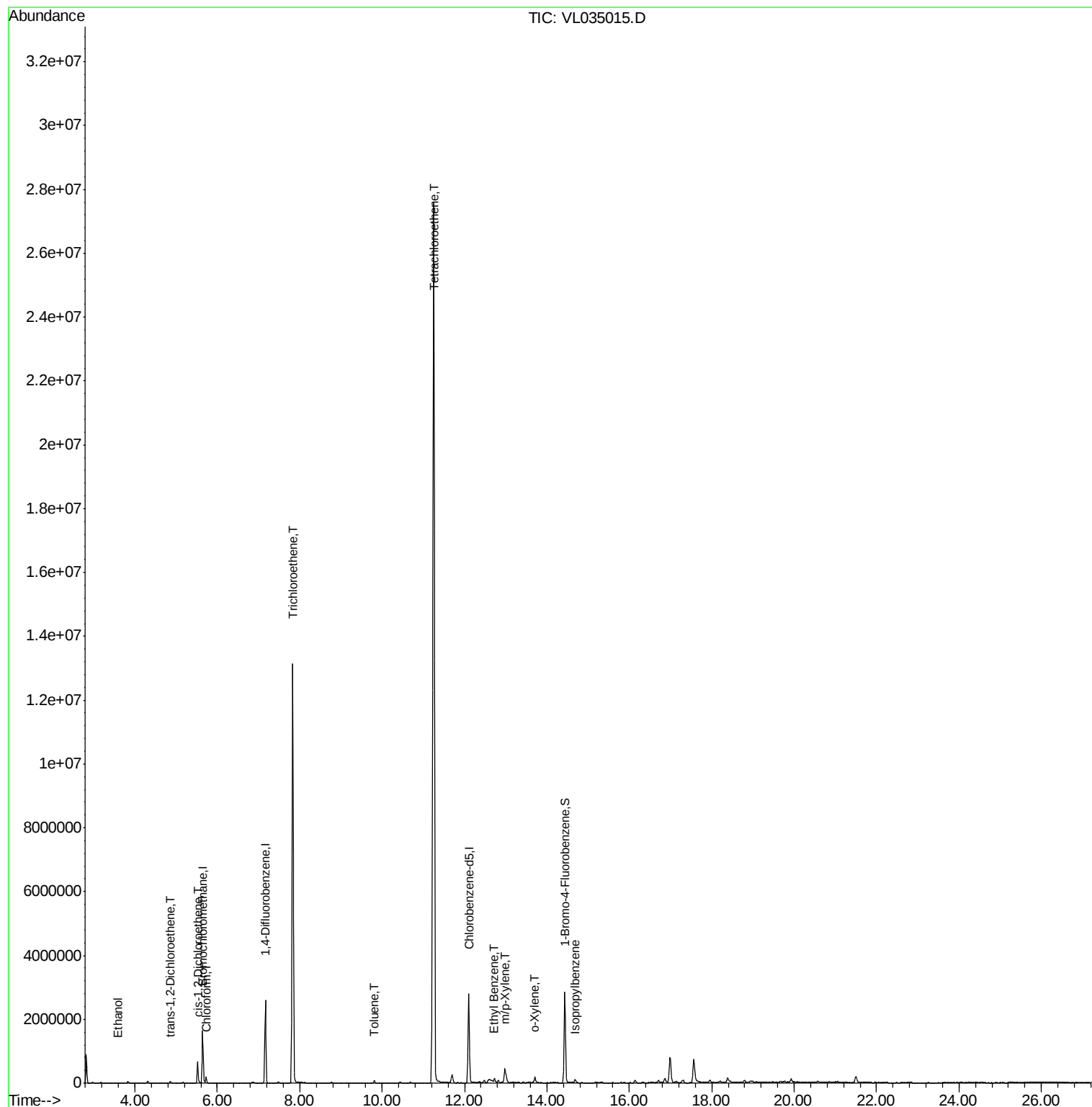
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051220\
Data File : VL035015.D
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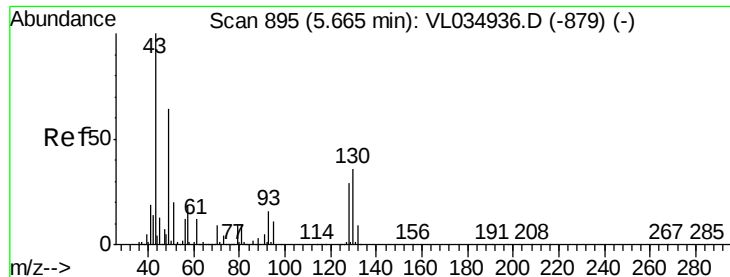
Instrument :
MSVOA_L
ClientSampleId :
SG-OFF-SITEDL

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Quant Time: May 14 14:40:30 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.02 min

Lab File: VL035015.D

Acq: 13 May 2020 9:56

Instrument :

MSVOA_L

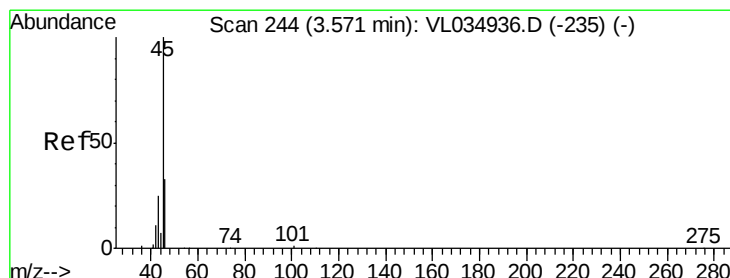
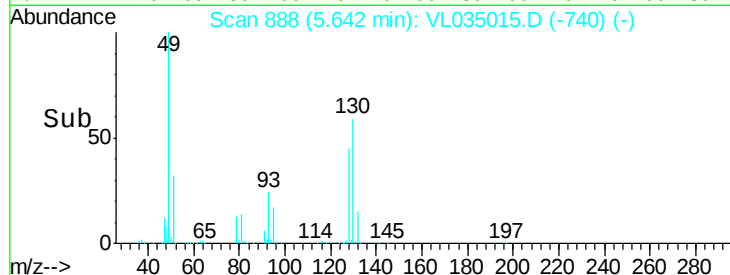
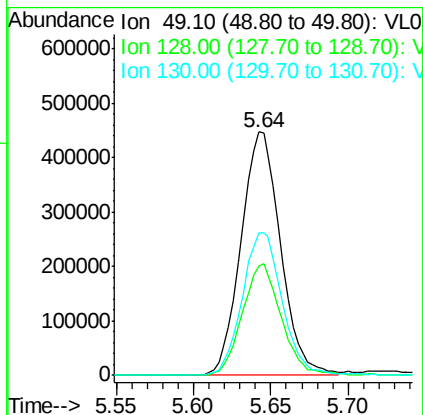
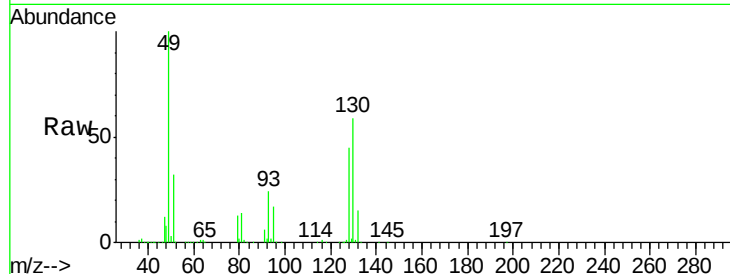
ClientSampleId :

SG-OFF-SITEDL

Tot Ion:	49	Resp:	796217
Ion Ratio	Lower	Upper	
49	100		
128	45.4	22.1	66.5
130	59.6	29.1	87.3

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#13

Ethanol

Concen: 0.425 ppbv m

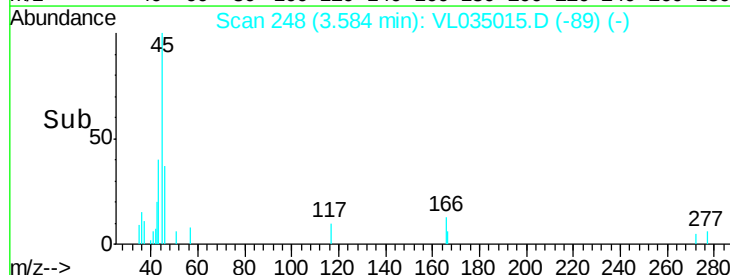
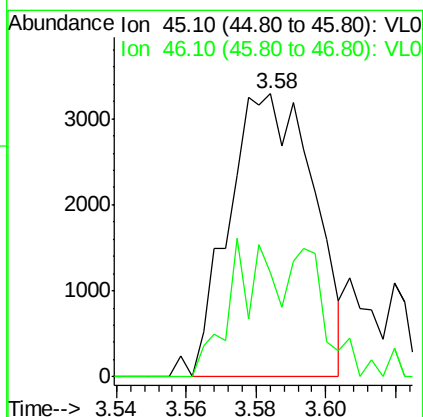
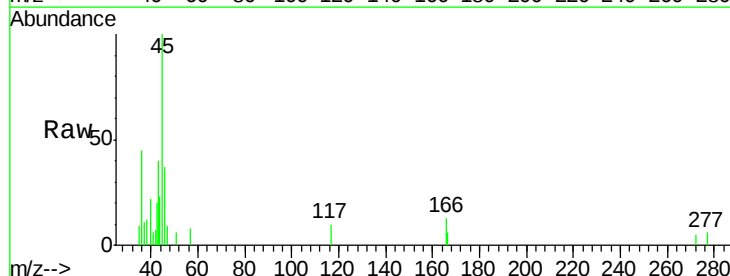
RT: 3.58 min Scan# 248

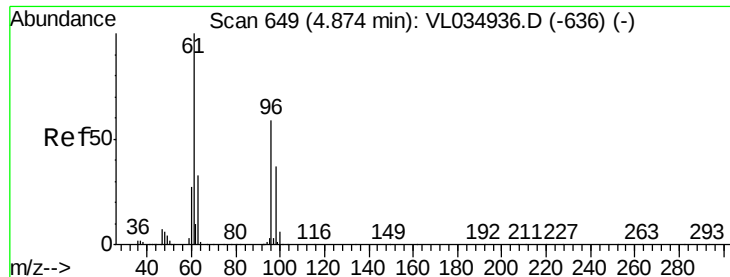
Delta R.T. 0.01 min

Lab File: VL035015.D

Acq: 13 May 2020 9:56

Tgt Ion:	45	Resp:	5529
Ion Ratio	Lower	Upper	
45	100		
46	43.8	14.3	57.3





#22

trans-1,2-Dichloroethene

Concen: 0.284 ppbv

RT: 4.85 min Scan# 643

Delta R.T. -0.02 min

Lab File: VL035015.D

Acq: 13 May 2020 9:56

Instrument :

MSVOA_L

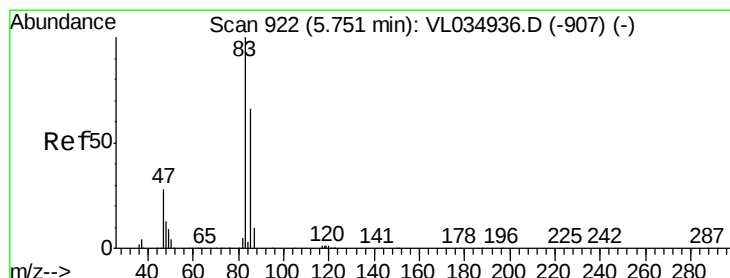
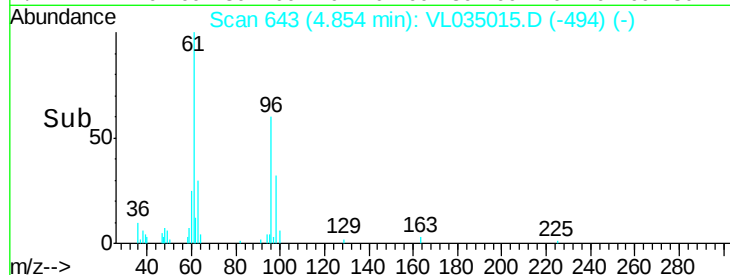
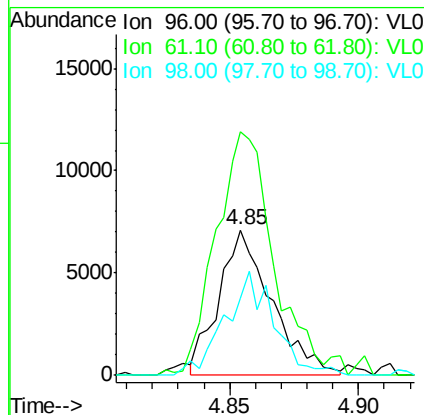
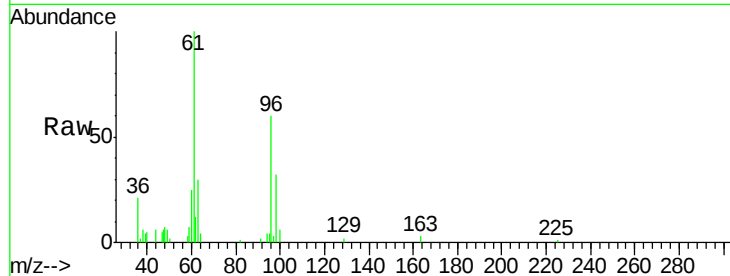
ClientSampleId :

SG-OFF-SITEDL

Tot Ion:	96	Resp:	10125
Ion Ratio	Lower	Upper	
96	100		
61	159.0	135.3	202.9
98	52.6	50.4	75.6

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#29

Chloroform

Concen: 0.940 ppbv

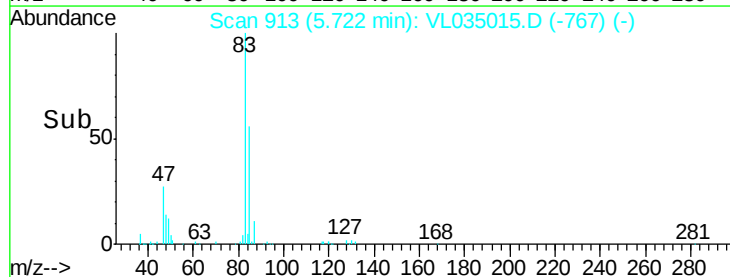
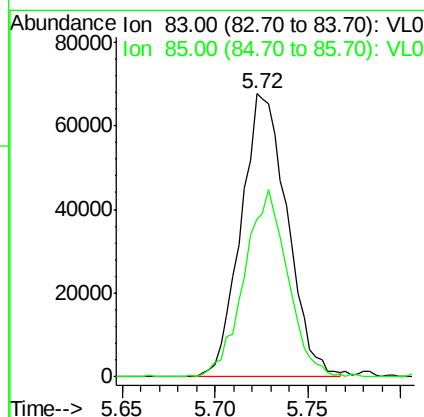
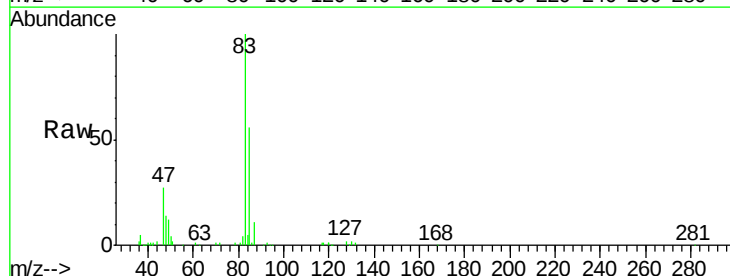
RT: 5.72 min Scan# 913

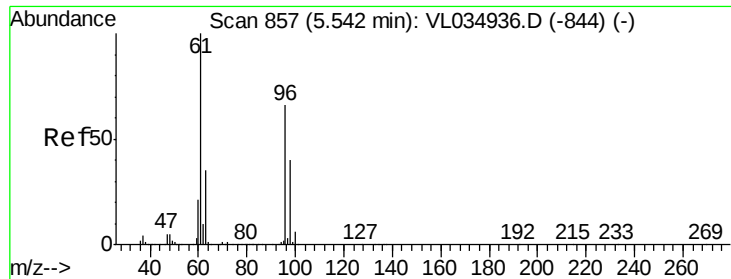
Delta R.T. -0.03 min

Lab File: VL035015.D

Acq: 13 May 2020 9:56

Tgt Ion:	83	Resp:	117920
Ion Ratio	Lower	Upper	
83	100		
85	55.2	53.0	79.6





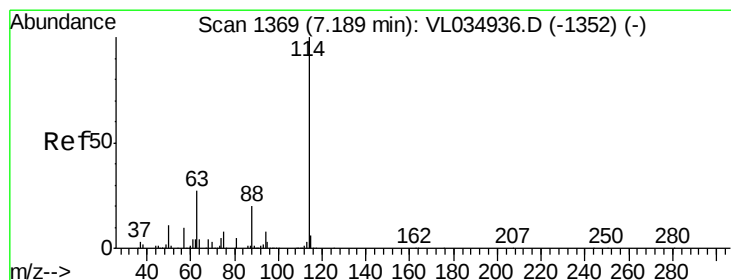
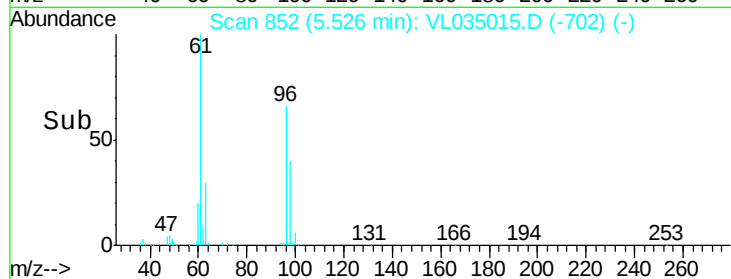
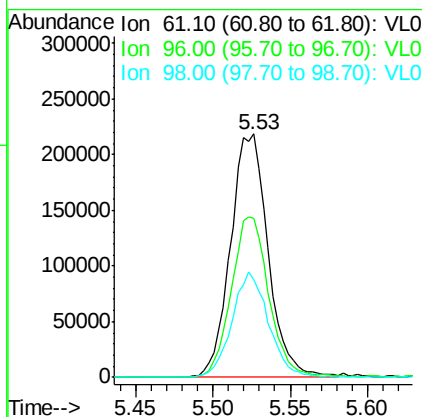
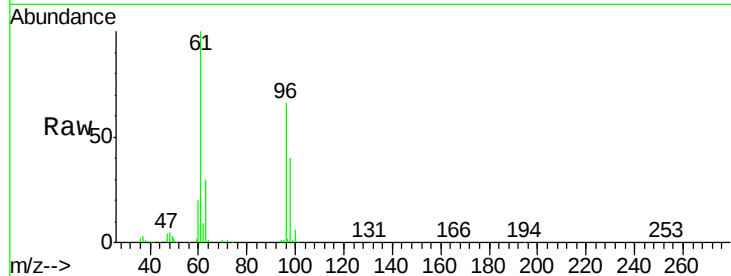
#31
 cis-1,2-Dichloroethene
 Concen: 4.929 ppbv
 RT: 5.53 min Scan# 852
 Delta R.T. -0.02 min
 Lab File: VL035015.D
 Acq: 13 May 2020 9:56

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-OFF-SITEDL

Tot Ion	Ratio	Resp	Lower	Upper
61	100	368662		
96	65.4	53.0	79.6	
98	40.0	32.2	48.2	

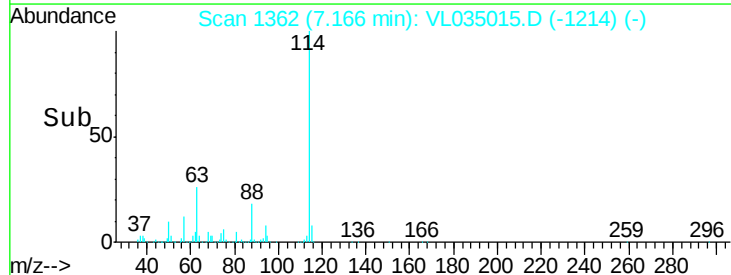
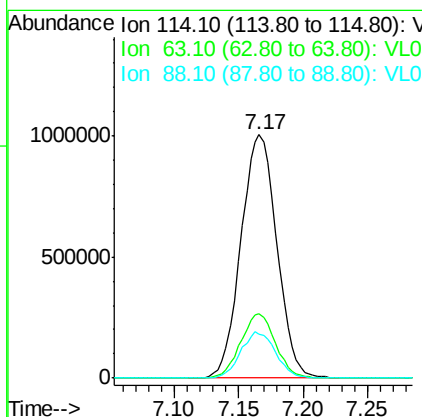
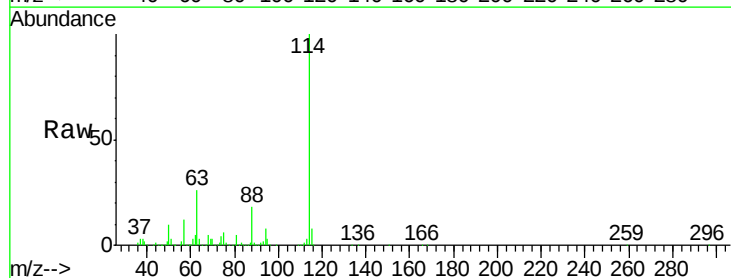
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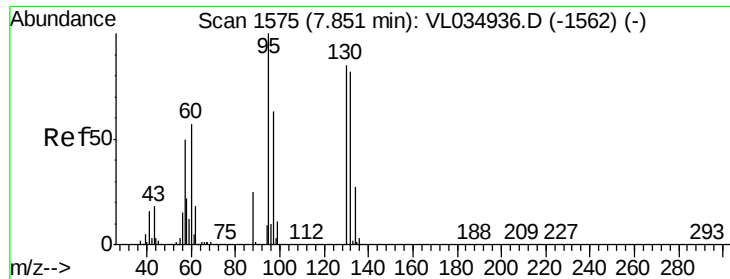
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#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.02 min
 Lab File: VL035015.D
 Acq: 13 May 2020 9:56

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	1947493		
63	25.6	22.2	33.4	
88	18.5	15.5	23.3	





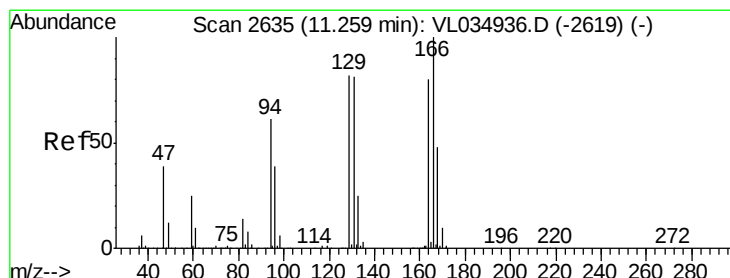
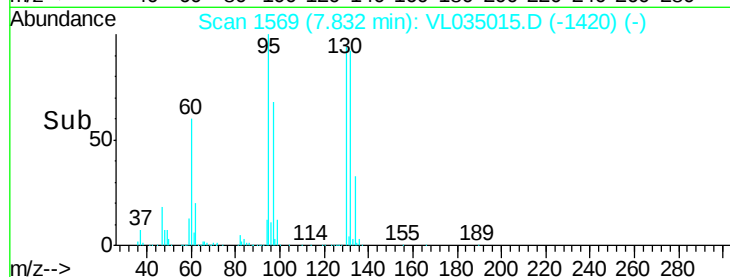
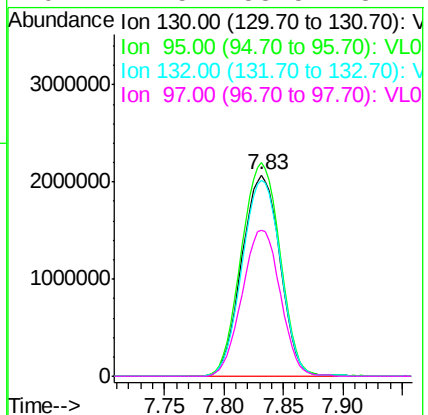
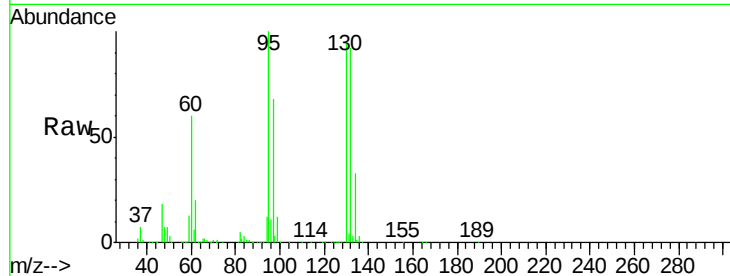
#38
 Trichloroethene
 Concen: 74.297 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.02 min
 Lab File: VL035015.D
 Acq: 13 May 2020 9:56

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-OFF-SITEDL

Tot Ion	Ratio	Lower	Upper
130	100		
95	105.9	93.4	140.0
132	97.3	76.4	114.6
97	72.5	58.5	87.7

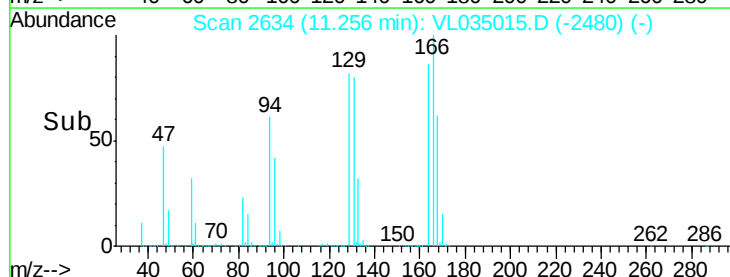
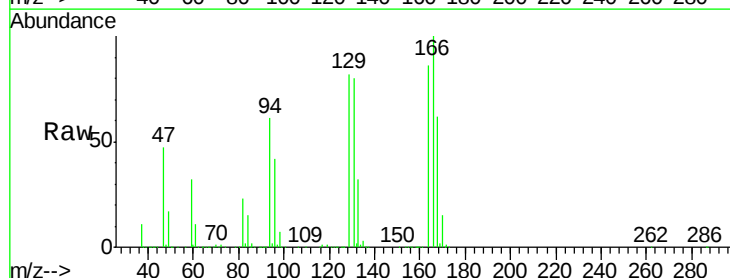
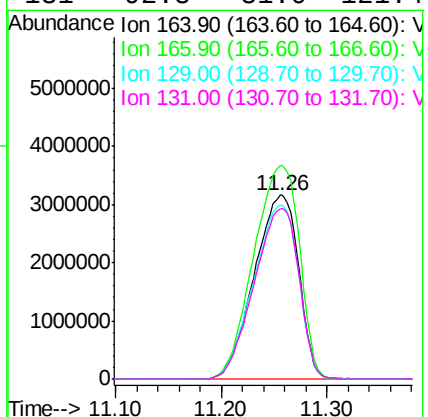
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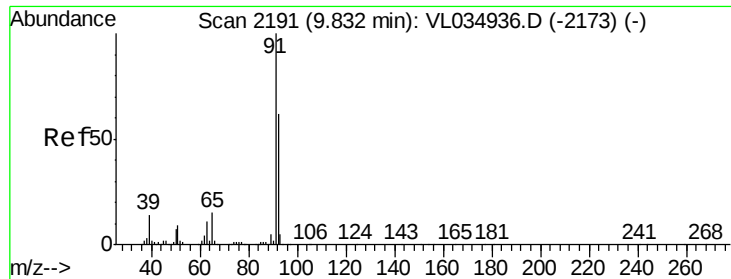
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#52
 Tetrachloroethene
 Concen: 161.778 ppbv
 RT: 11.26 min Scan# 2634
 Delta R.T. -0.00 min
 Lab File: VL035015.D
 Acq: 13 May 2020 9:56

Tgt Ion	Ratio	Lower	Upper
164	100		
166	116.0	100.7	151.1
129	94.8	83.0	124.4
131	92.8	81.0	121.4





#53

Toluene

Concen: 0.329 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.02 min

Lab File: VL035015.D

Acq: 13 May 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

SG-OFF-SITEDL

Tot Ion: 91 Resp: 56064

Ion Ratio Lower Upper

91 100

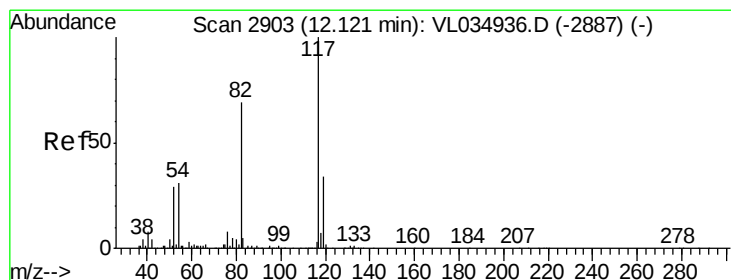
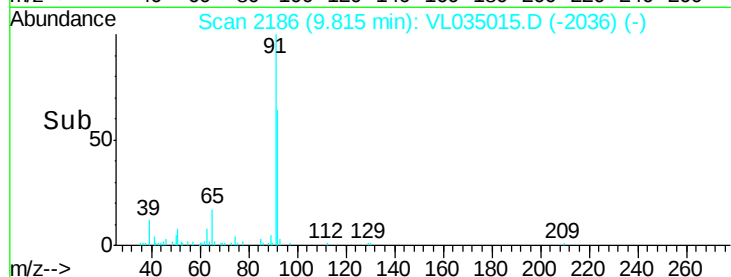
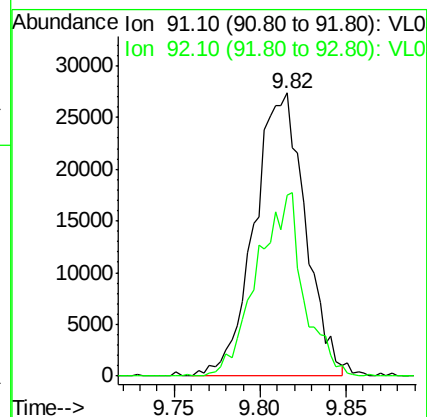
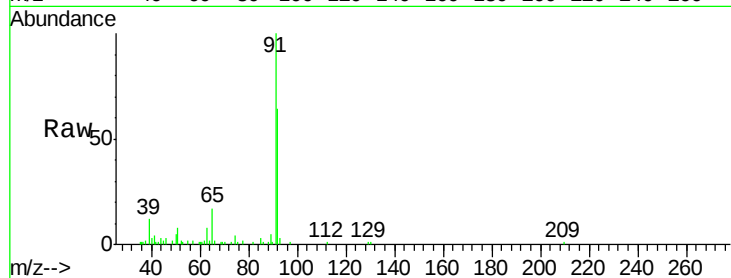
92 59.5 48.6 73.0

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. -0.02 min

Lab File: VL035015.D

Acq: 13 May 2020 9:56

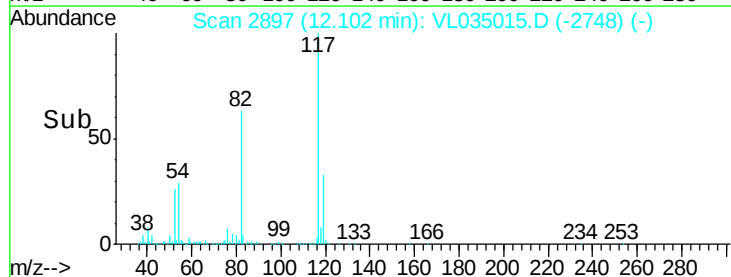
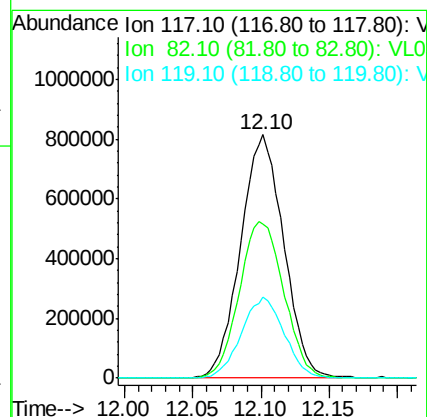
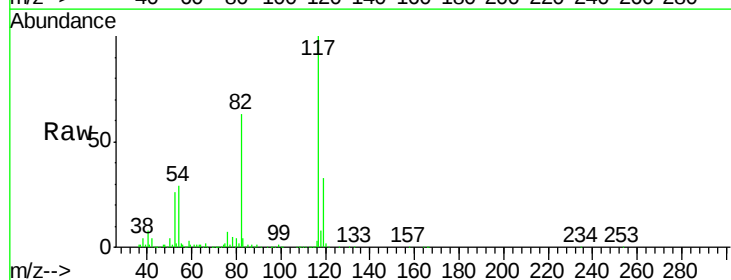
Tgt Ion: 117 Resp: 1783332

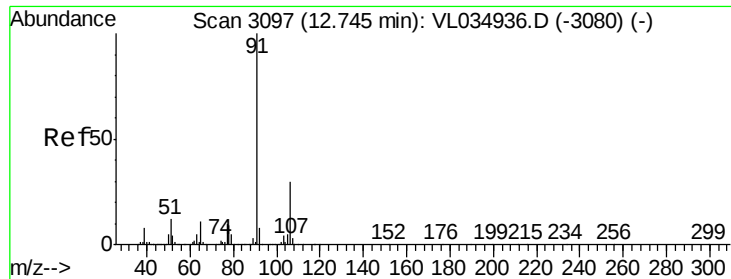
Ion Ratio Lower Upper

117 100

82 66.8 53.1 79.7

119 33.2 26.7 40.1





#58

Ethyl Benzene

Concen: 0.570 ppbv

RT: 12.73 min Scan# 3092

Delta R.T. -0.02 min

Lab File: VL035015.D

Acq: 13 May 2020 9:56

Instrument :

MSVOA_L

ClientSampleId :

SG-OFF-SITEDL

Tot Ion: 91 Resp: 125642

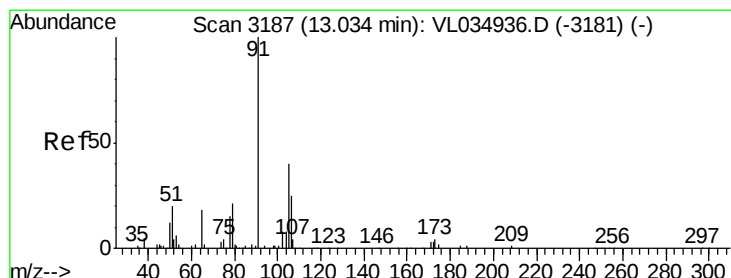
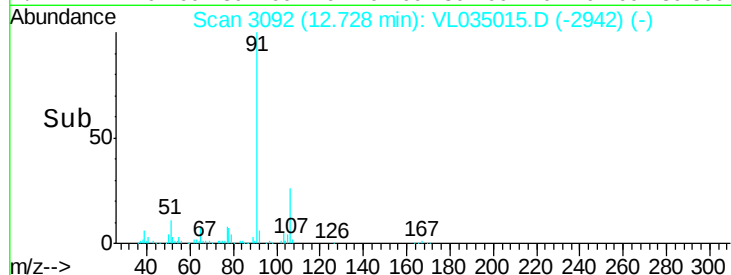
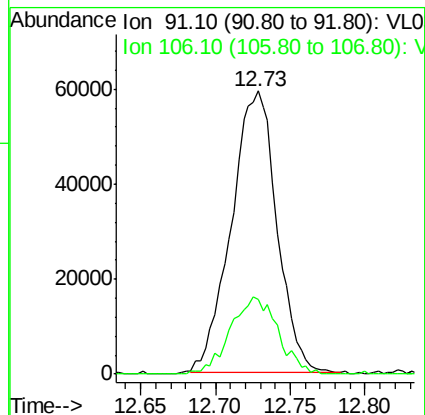
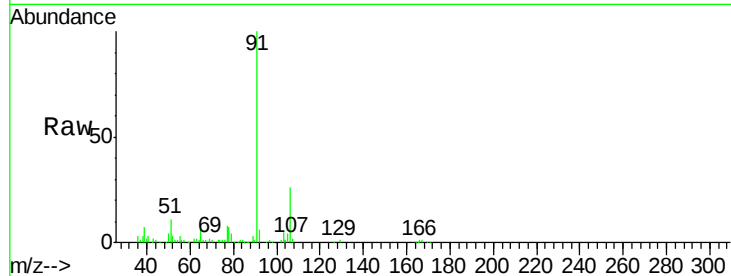
Ion Ratio Lower Upper

91 100

106 26.5 24.2 36.4

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#59

m/p-Xylene

Concen: 2.291 ppbv

RT: 12.98 min Scan# 3170

Delta R.T. -0.05 min

Lab File: VL035015.D

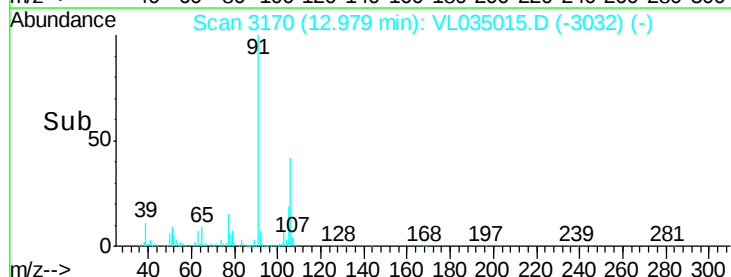
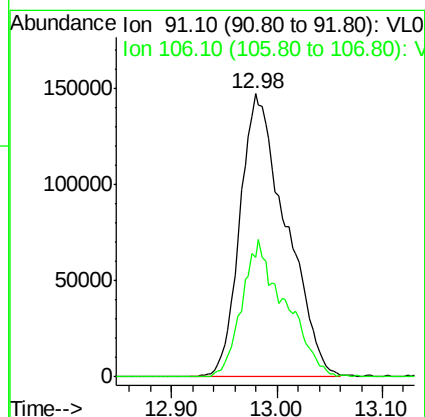
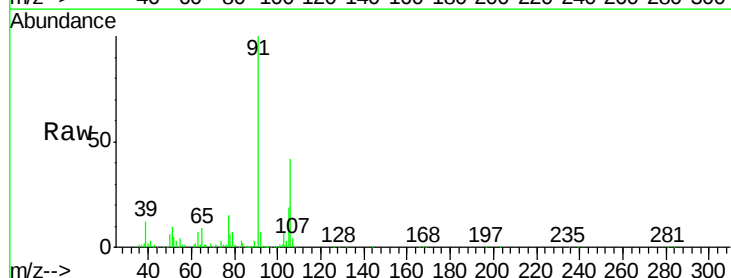
Acq: 13 May 2020 9:56

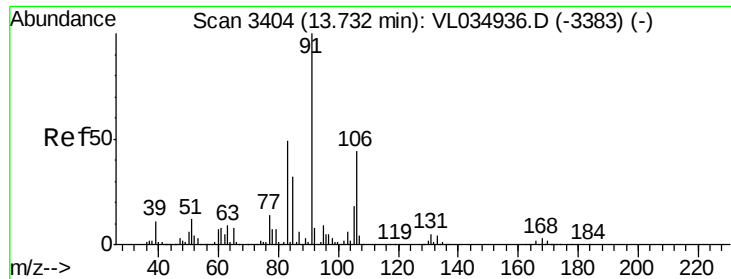
Tgt Ion: 91 Resp: 444519

Ion Ratio Lower Upper

91 100

106 45.6 66.0 99.0#





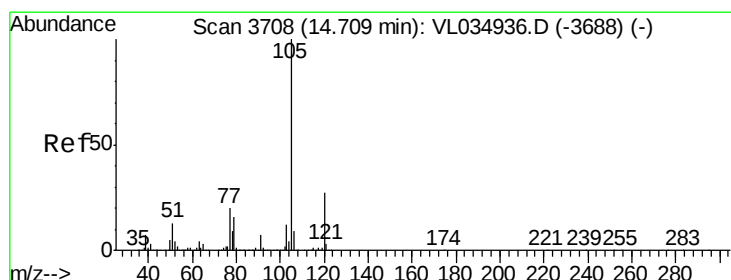
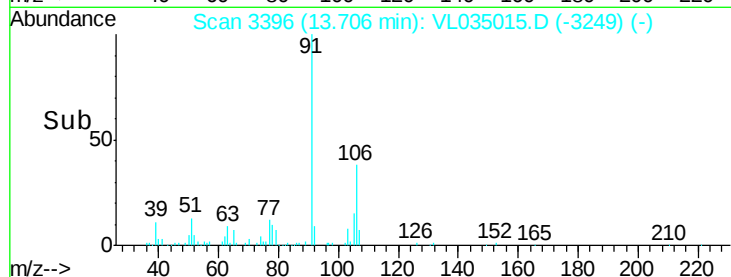
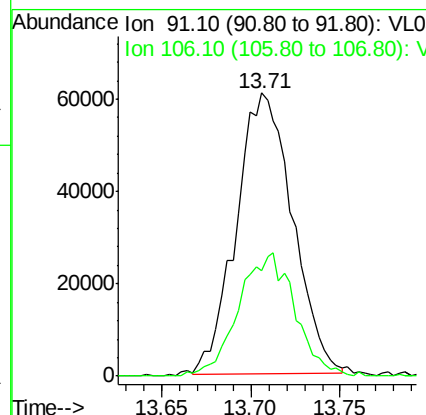
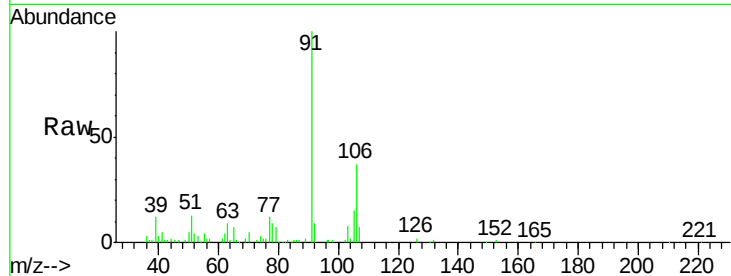
#60
o-Xylene
Concen: 0.701 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. -0.03 min
Lab File: VL035015.D
Acq: 13 May 2020 9:56

Instrument :
MSVOA_L
ClientSampleId :
SG-OFF-SITEDL

Tot Ion: 91 Resp: 134249
Ion Ratio Lower Upper
91 100
106 43.9 21.9 65.5

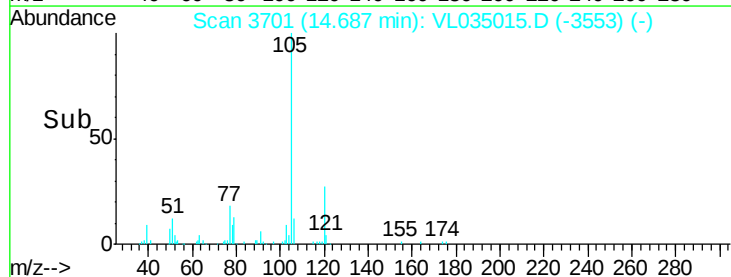
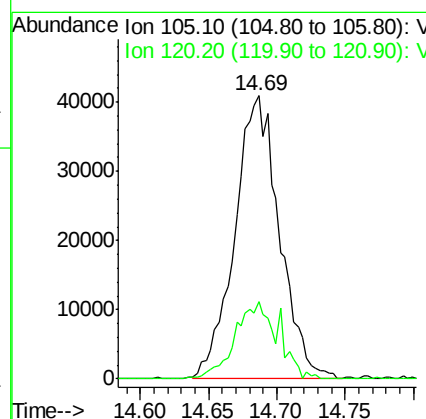
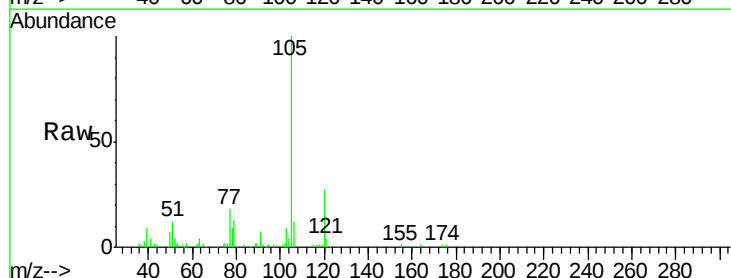
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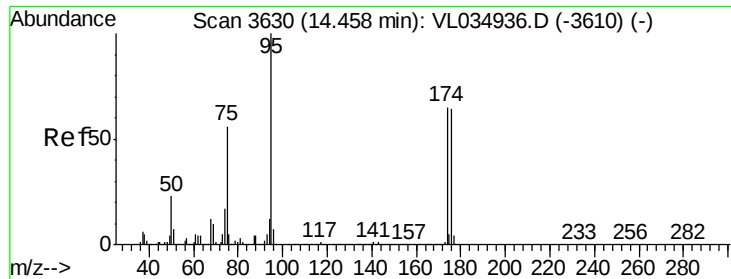
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#62
Isopropylbenzene
Concen: 0.326 ppbv
RT: 14.69 min Scan# 3701
Delta R.T. -0.02 min
Lab File: VL035015.D
Acq: 13 May 2020 9:56

Tgt Ion: 105 Resp: 93051
Ion Ratio Lower Upper
105 100
120 26.5 20.6 31.0





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.922 ppbv
 RT: 14.43 min Scan# 3622
 Delta R.T. -0.03 min
 Lab File: VL035015.D
 Acq: 13 May 2020 9:56

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-OFF-SITEDL

Tot Ion	Ratio	Lower	Upper
95	100		
174	68.5	51.5	77.3
175	5.3	3.8	5.8

Manual Integrations
 APPROVED

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