

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091620\
 Data File : VL035650.D
 Acq On : 17 Sep 2020 5:29
 Operator : SY/AP
 Sample : L4016-01DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-13DL

Manual Integrations
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Quant Time: Sep 17 12:21:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1296950	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	5297332	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	5214036	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3866561	10.44	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	56942	1.030	ppbv	# 64
13) Ethanol	3.62	45	6336	0.462	ppbv	94
15) Acetone	3.85	43	1194329	8.350	ppbv	98
29) Chloroform	5.75	83	156535	0.537	ppbv	100
31) cis-1,2-Dichloroethene	5.55	61	38368	0.261	ppbv	99
38) Trichloroethene	7.84	130	587120	2.948	ppbv	98
44) 2,2,4-Trimethylpentane	7.87	57	808216	1.791	ppbv	98
52) Tetrachloroethene	11.24	164	9574364m	47.795	ppbv	
53) Toluene	9.82	91	121314	0.281	ppbv	97
59) m/p-Xylene	12.99	91	105991m	0.236	ppbv	

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

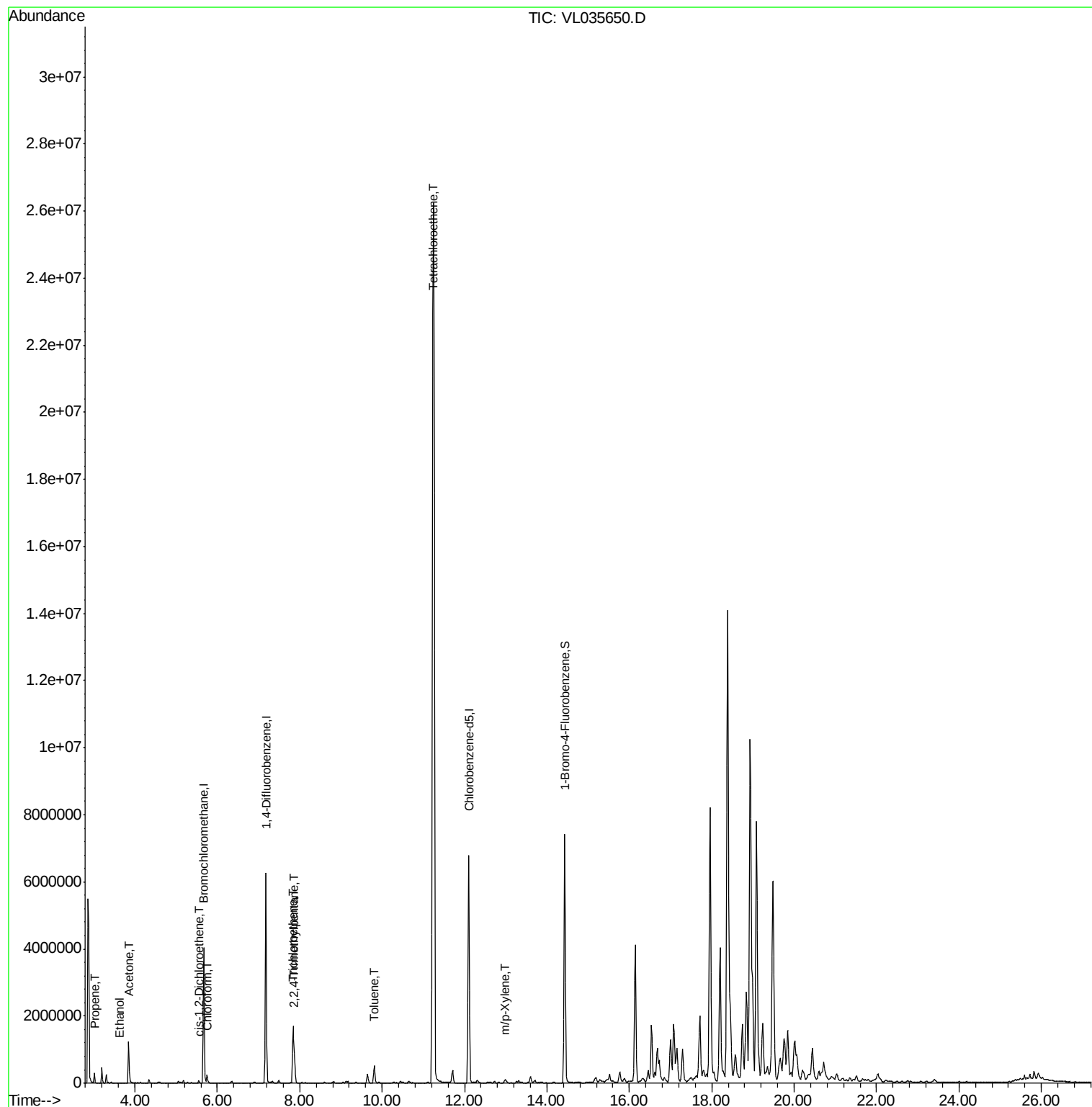
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091620\
Data File : VL035650.D
Acq On : 17 Sep 2020 5:29
Operator : SY/AP
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Instrument :
MSVOA_L
ClientSampleId :
SV-13DL

Manual Integrations
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Quant Time: Sep 17 12:21:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL035650.D

Acq: 17 Sep 2020 5:29

Instrument :

MSVOA_L

ClientSampled :

SV-13DL

Tot Ion: 49 Resp: 1296950

Ion Ratio Lower Upper

49 100

128 91.0 50.0 150.1

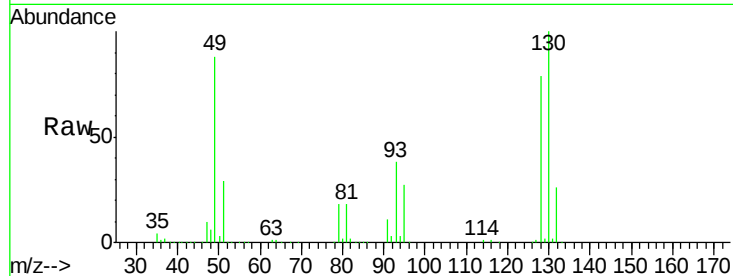
130 115.9 64.4 193.2

Manual Integrations

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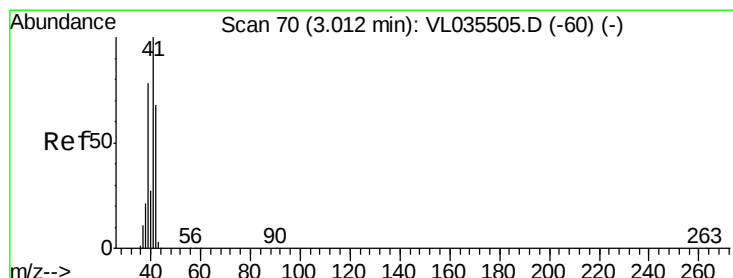
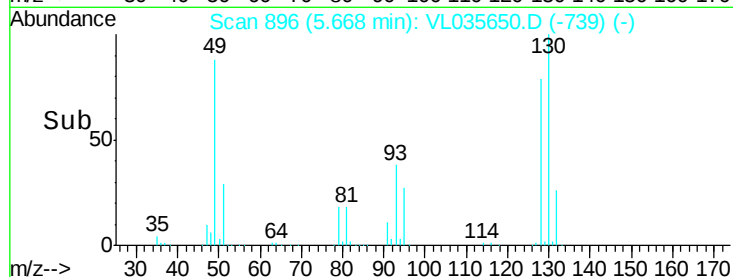
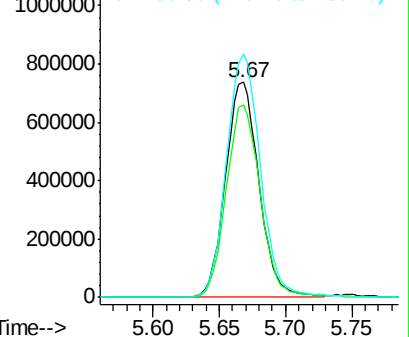
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 1.030 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.02 min

Lab File: VL035650.D

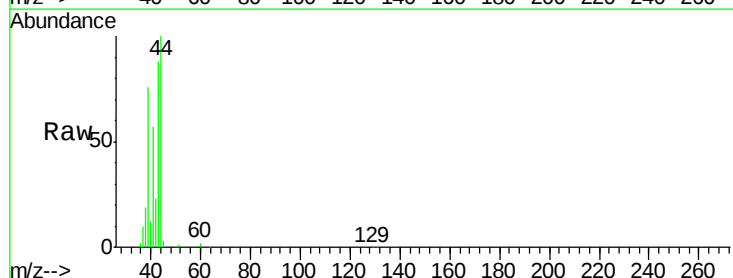
Acq: 17 Sep 2020 5:29

Tgt Ion: 41 Resp: 56942

Ion Ratio Lower Upper

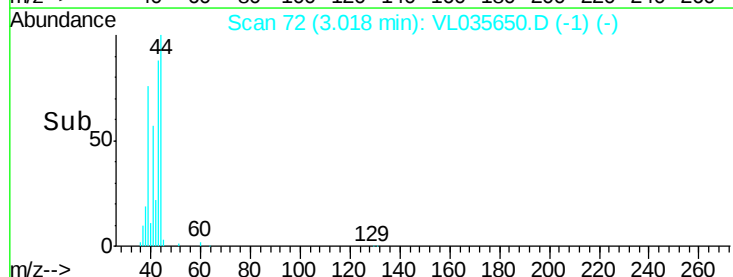
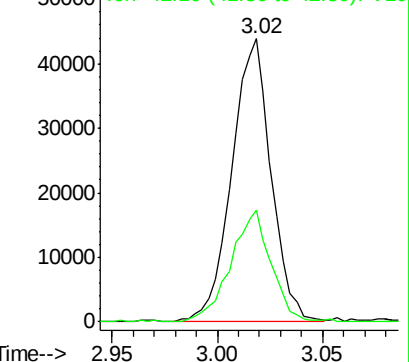
41 100

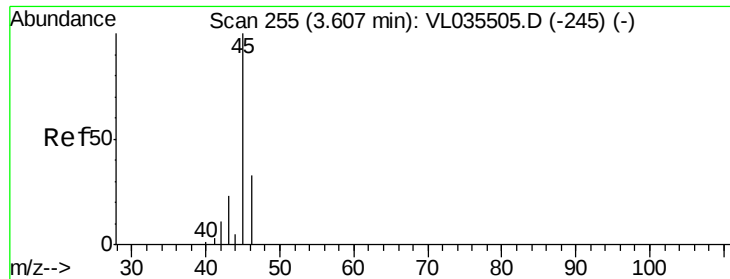
42 40.6 56.3 84.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





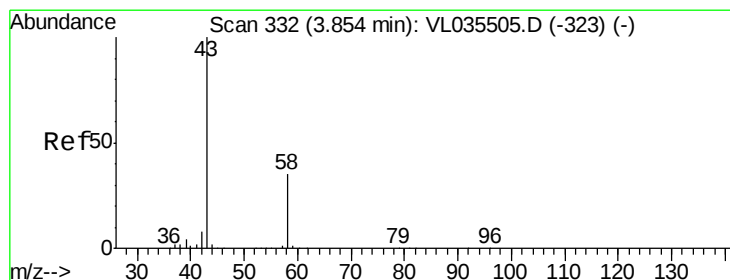
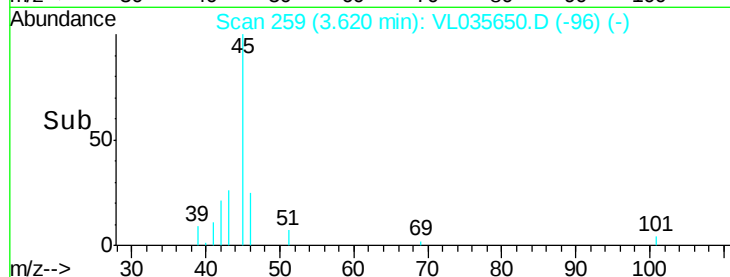
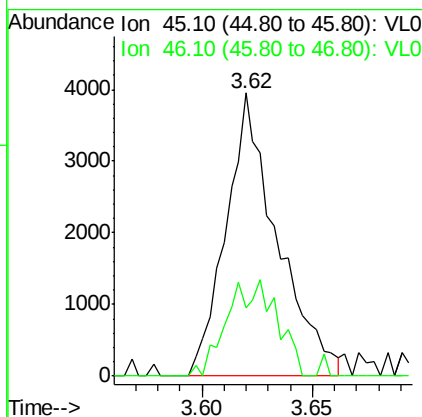
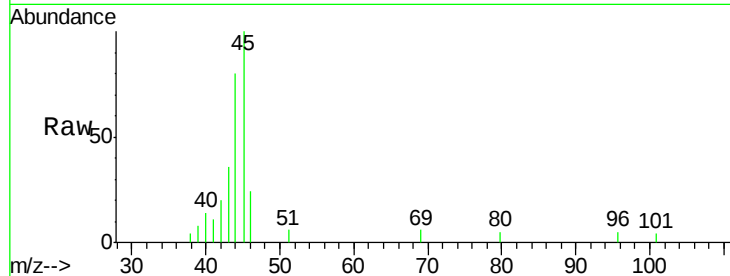
#13
Ethanol
Concen: 0.462 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.02 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Instrument :
MSVOA_L
ClientSampleId :
SV-13DL

Tot Ion: 45 Resp: 6336
Ion Ratio Lower Upper
45 100
46 34.0 15.2 60.6

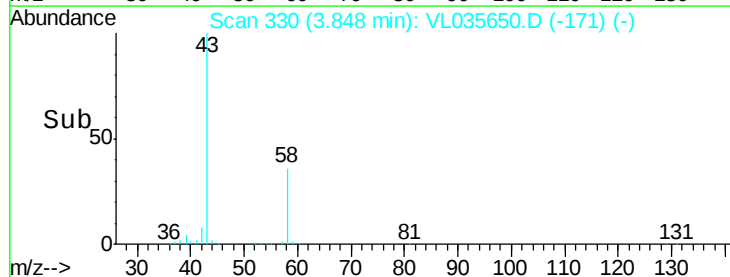
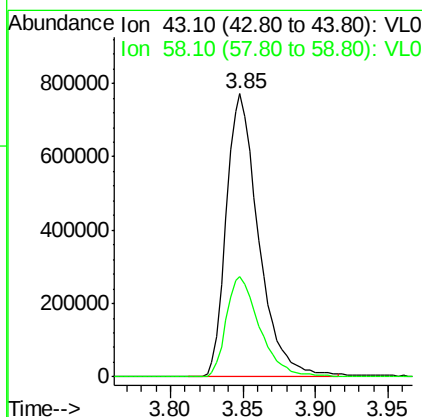
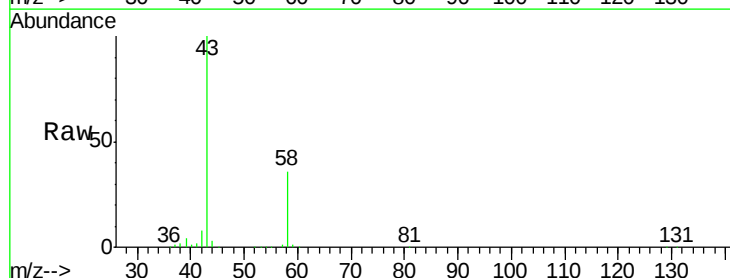
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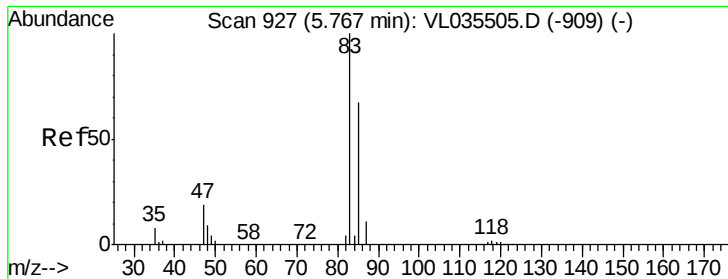
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#15
Acetone
Concen: 8.350 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.01 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Tgt Ion: 43 Resp: 1194329
Ion Ratio Lower Upper
43 100
58 36.9 28.4 42.6





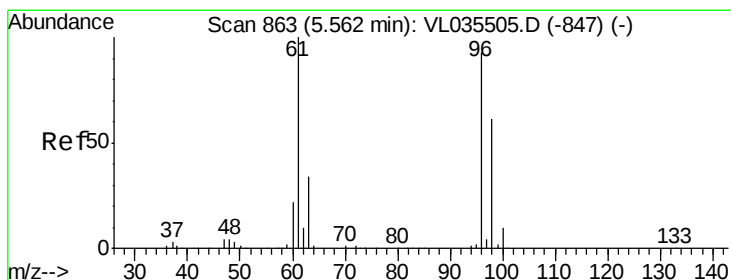
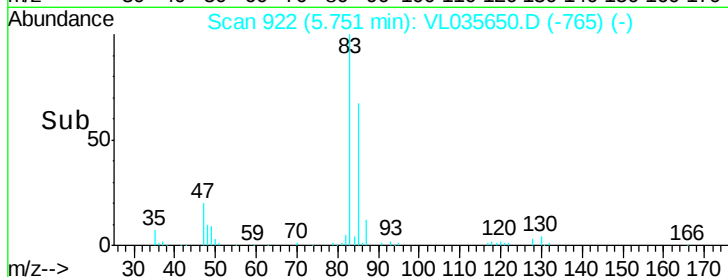
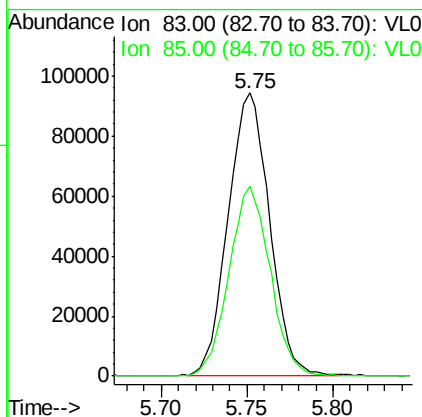
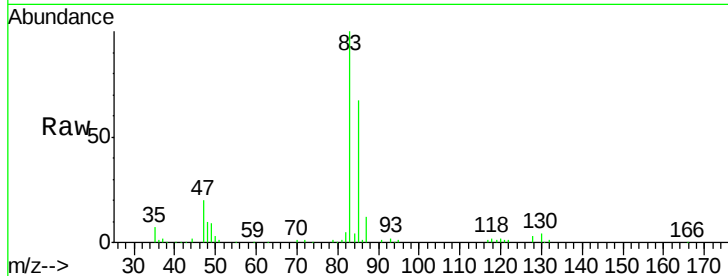
#29
Chloroform
Concen: 0.537 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.00 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Instrument :
MSVOA_L
ClientSampled :
SV-13DL

Tot Ion	83	Resp	156535
Ion Ratio	100	Lower	Upper
83	100		
85	67.2	53.9	80.9

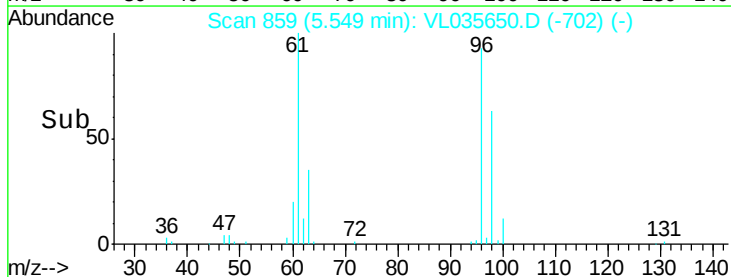
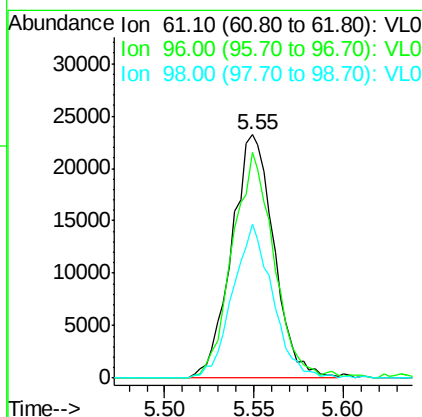
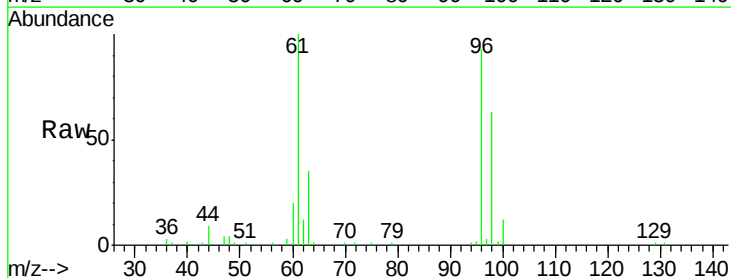
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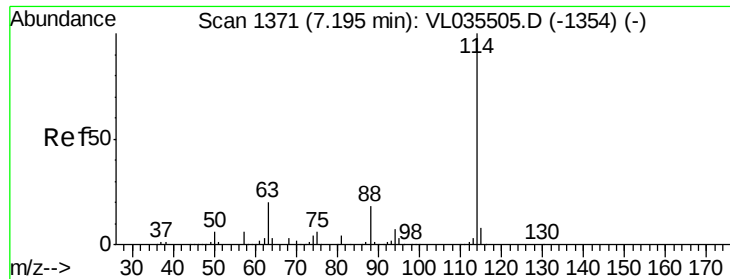
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#31
cis-1,2-Dichloroethene
Concen: 0.261 ppbv
RT: 5.55 min Scan# 859
Delta R.T. 0.00 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Tgt Ion	61	Resp	38368
Ion Ratio	100	Lower	Upper
61	100		
96	92.7	74.4	111.6
98	63.3	49.2	73.8





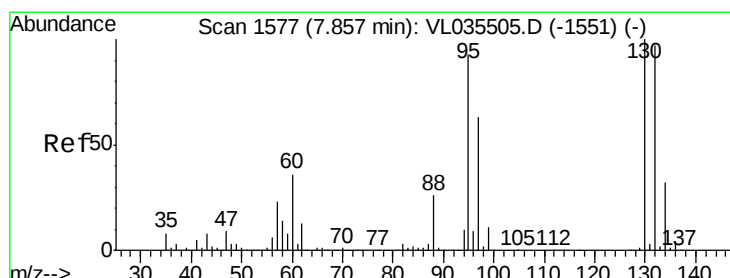
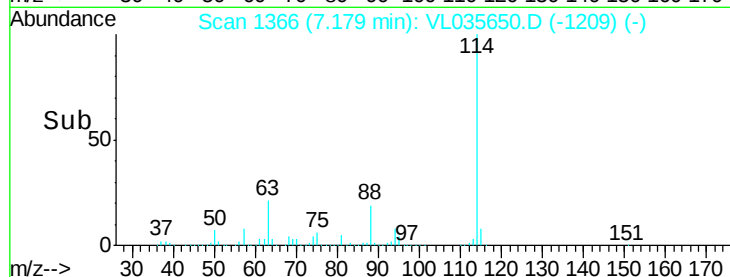
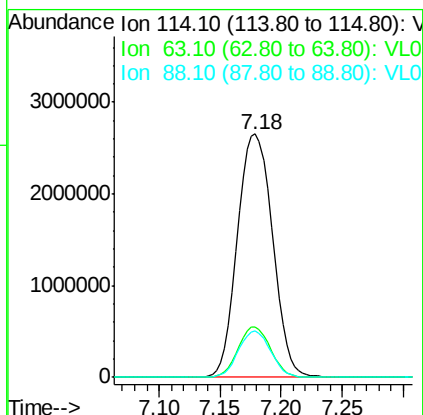
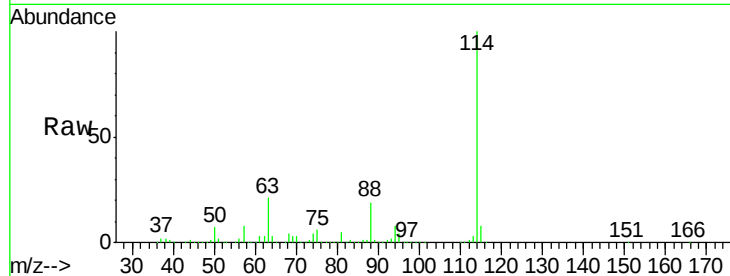
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.00 min
 Lab File: VL035650.D
 Acq: 17 Sep 2020 5:29

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-13DL

Tot Ion:114 Resp: 5297332
 Ion Ratio Lower Upper
 114 100
 63 19.2 14.7 22.1
 88 17.5 13.4 20.2

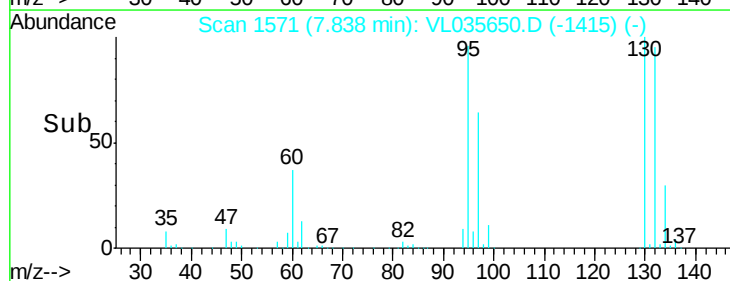
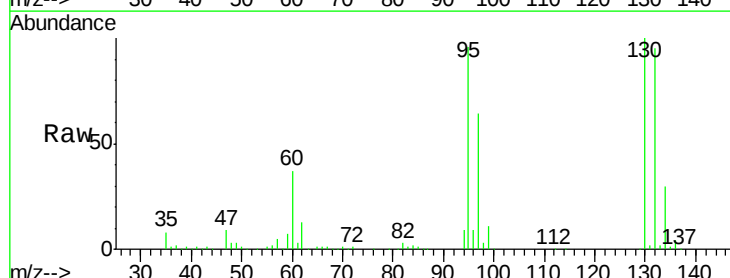
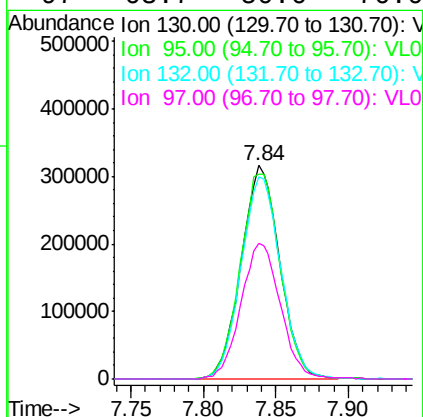
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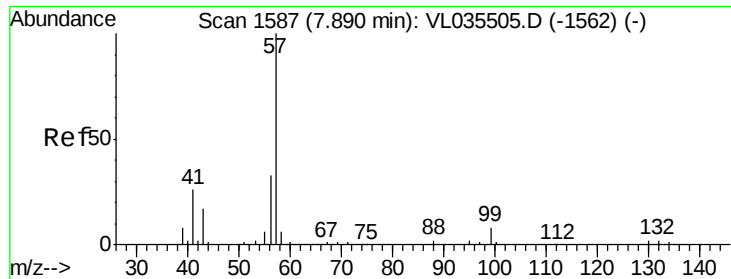
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#38
 Trichloroethene
 Concen: 2.948 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VL035650.D
 Acq: 17 Sep 2020 5:29

Tgt Ion:130 Resp: 587120
 Ion Ratio Lower Upper
 130 100
 95 95.7 74.6 112.0
 132 94.6 77.6 116.4
 97 63.7 50.6 76.0





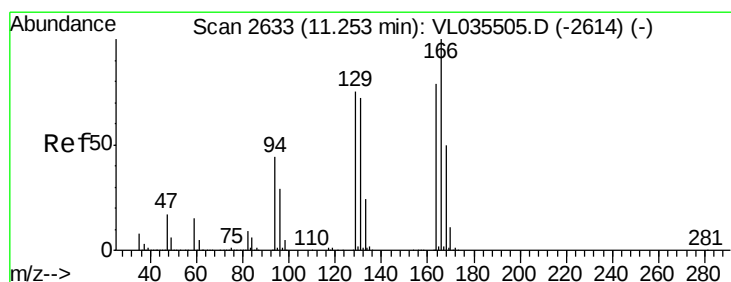
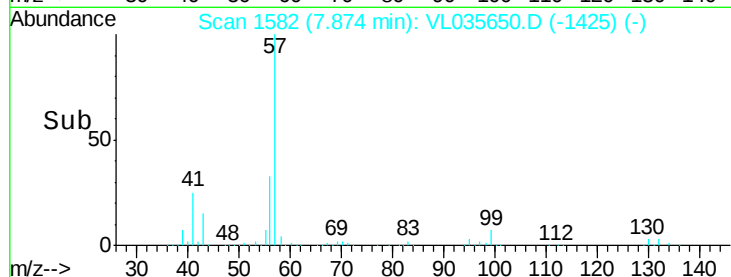
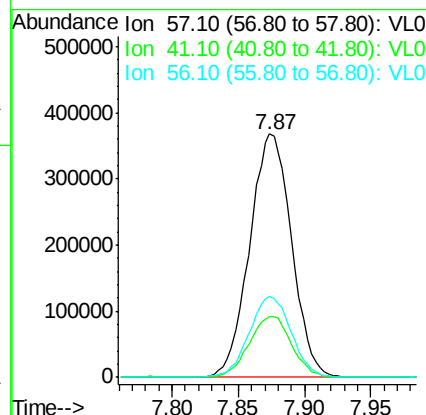
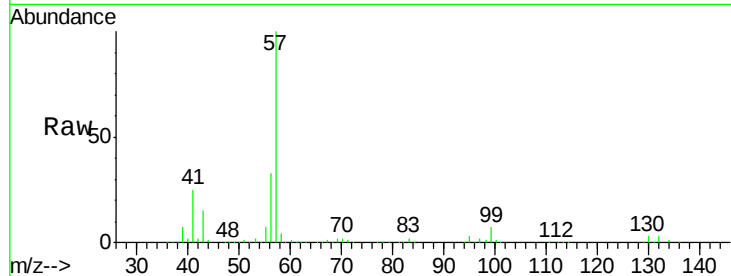
#44
 2,2,4-Trimethylpentane
 Concen: 1.791 ppbv
 RT: 7.87 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VL035650.D
 Acq: 17 Sep 2020 5:29

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-13DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	25.3	20.5	30.7
56	33.7	25.3	37.9

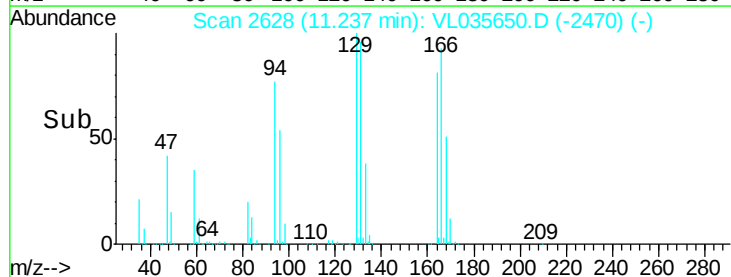
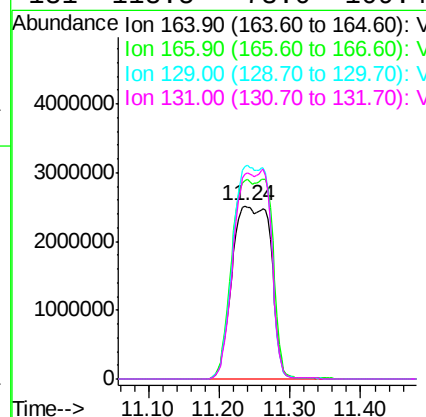
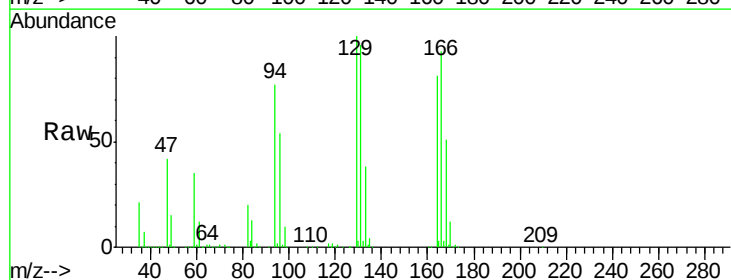
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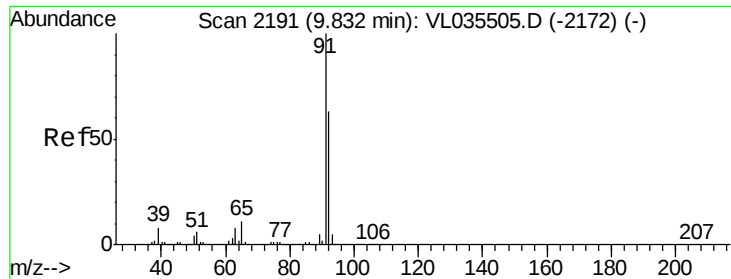
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#52
 Tetrachloroethene
 Concen: 47.795 ppbv m
 RT: 11.24 min Scan# 2628
 Delta R.T. 0.01 min
 Lab File: VL035650.D
 Acq: 17 Sep 2020 5:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	114.5	100.9	151.3
129	123.0	75.3	112.9#
131	118.5	73.0	109.4#





#53

Toluene

Concen: 0.281 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VL035650.D

Acq: 17 Sep 2020 5:29

Instrument :

MSVOA_L

ClientSampleId :

SV-13DL

Tot Ion: 91 Resp: 121314

Ion Ratio Lower Upper

91 100

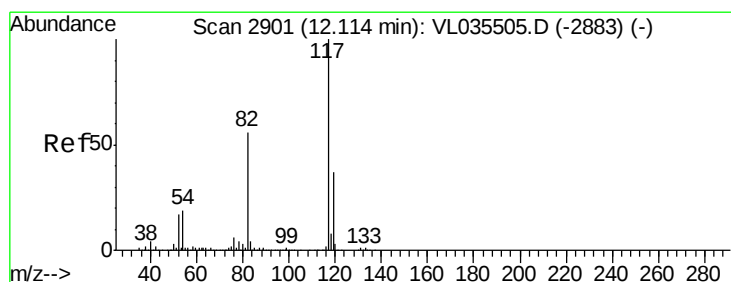
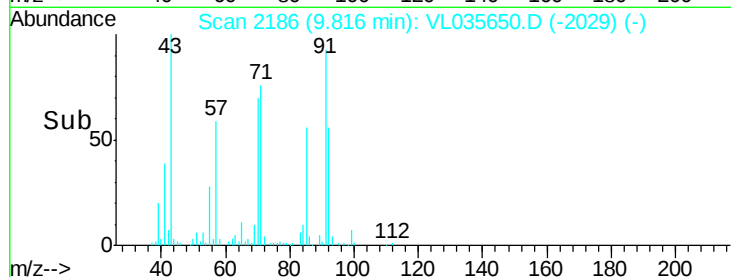
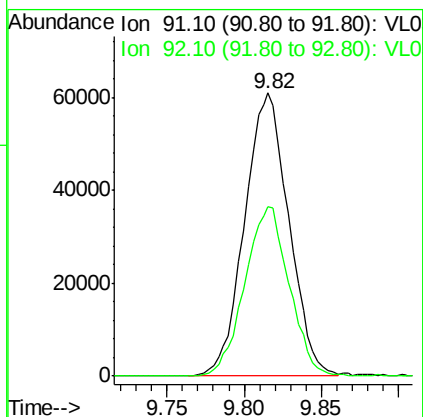
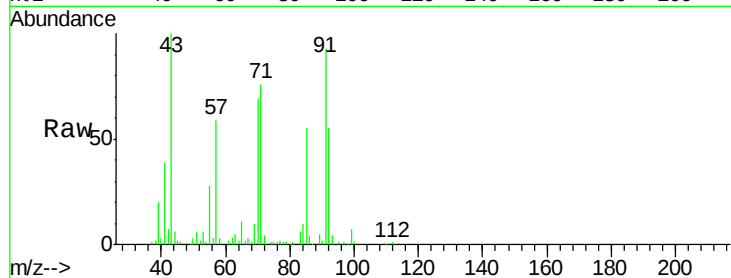
92 59.8 49.8 74.8

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. 0.01 min

Lab File: VL035650.D

Acq: 17 Sep 2020 5:29

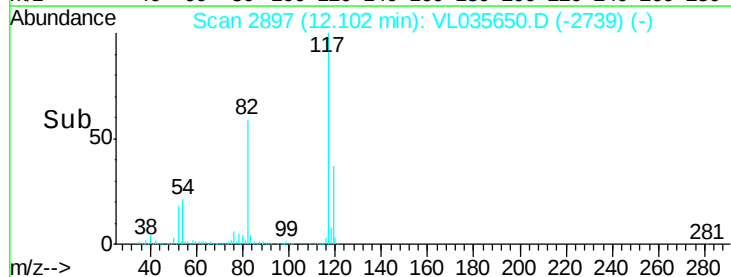
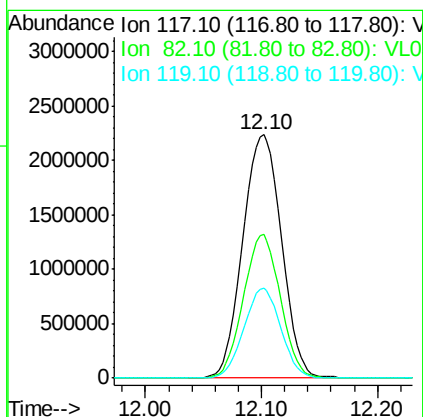
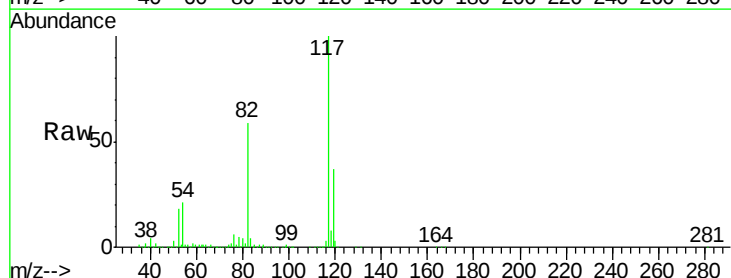
Tgt Ion: 117 Resp: 5214036

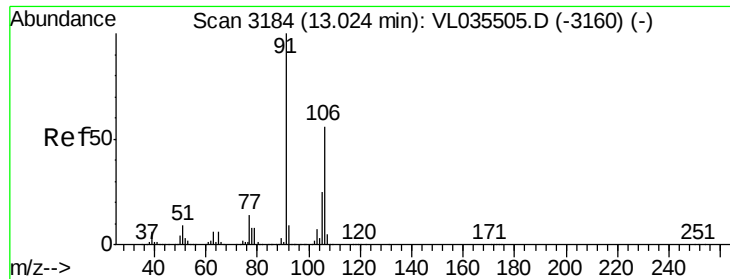
Ion Ratio Lower Upper

117 100

82 56.4 41.6 62.4

119 35.2 29.3 43.9





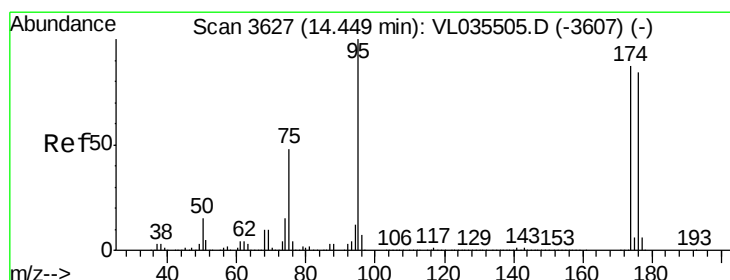
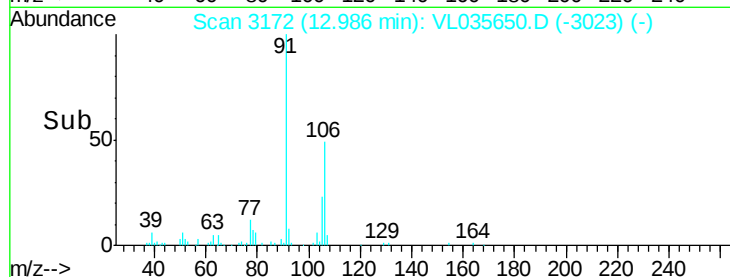
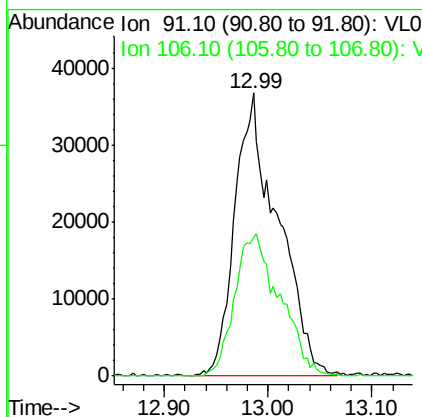
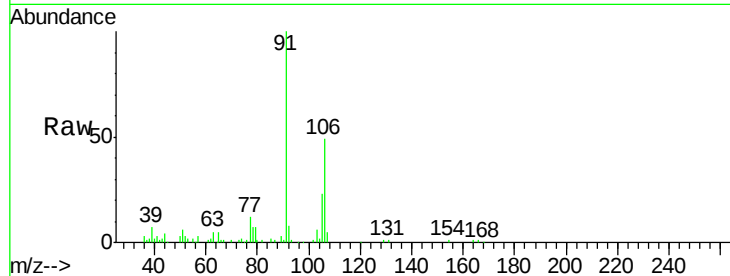
#59
m/p-Xylene
Concen: 0.236 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. -0.02 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Instrument :
MSVOA_L
ClientSampled :
SV-13DL

Tot Ion: 91 Resp: 105991
Ion Ratio Lower Upper
91 100
106 0.0 43.4 65.2#

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.442 ppbv
RT: 14.43 min Scan# 3622
Delta R.T. 0.00 min
Lab File: VL035650.D
Acq: 17 Sep 2020 5:29

Tgt Ion: 95 Resp: 3866561
Ion Ratio Lower Upper
95 100
174 76.2 69.6 104.4
175 5.5 5.1 7.7

