

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080620\
 Data File : VL035364.D
 Acq On : 7 Aug 2020 00:28
 Operator : SY/AP
 Sample : L3554-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1-ABOVE-GROUND DL

Manual Integrations
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 8/7/2020 12:54:38 PM

Quant Time: Aug 09 21:27:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 0
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1388453	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.17	114	3448218	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	3282628	10.00	ppbv	-0.02
System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2733865	9.99	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%
Target Compounds						
9) Propene	2.97	41	11113	0.197	ppbv	88
13) Ethanol	3.57	45	44580m	2.289	ppbv	
15) Acetone	3.81	43	224938	1.141	ppbv	94
19) Isopropyl Alcohol	3.95	45	42010m	0.336	ppbv	
26) Hexane	5.66	57	22220m	0.171	ppbv	
53) Toluene	9.81	91	137692	0.544	ppbv	100
58) Ethyl Benzene	12.72	91	35670m	0.104	ppbv	
59) m/p-Xylene	12.99	91	84200m	0.265	ppbv	
60) o-Xylene	13.71	91	42639m	0.135	ppbv	
79) Naphthalene	22.26	128	177239m	0.584	ppbv	
80) Naphthalene,2-methyl-	25.00	142	8981	0.130	ppbv	96

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

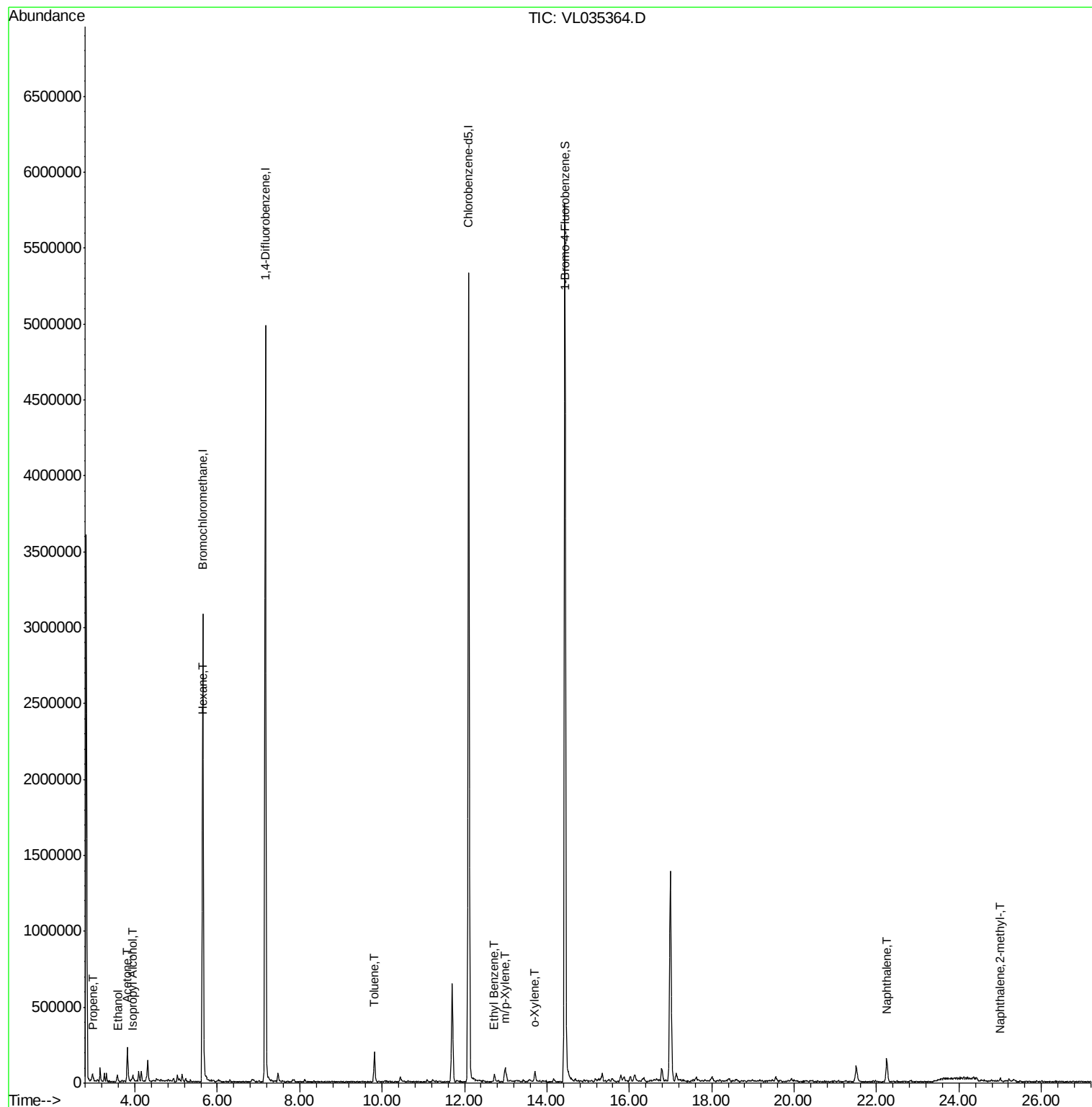
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080620\
Data File : VL035364.D
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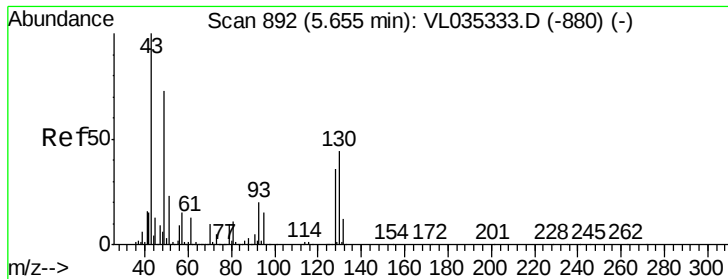
Instrument :
MSVOA_L
ClientSampleId :
1-ABOVE-GROUND

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Quant Time: Aug 09 21:27:18 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 05 13:04:46 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.01 min

Lab File: VL035364.D

Acq: 7 Aug 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

1-ABOVE-GROUND DL

Tot Ion: 49 Resp: 1388453

Ion Ratio Lower Upper

49 100

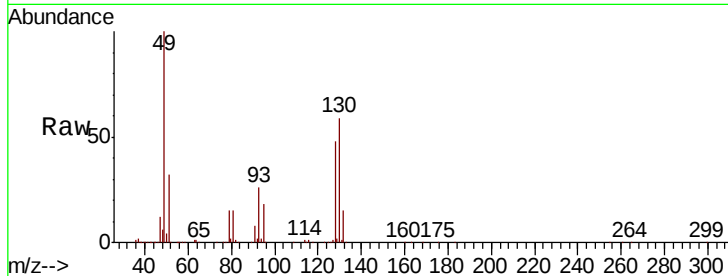
128 49.8 25.4 76.0

130 63.0 32.1 96.3

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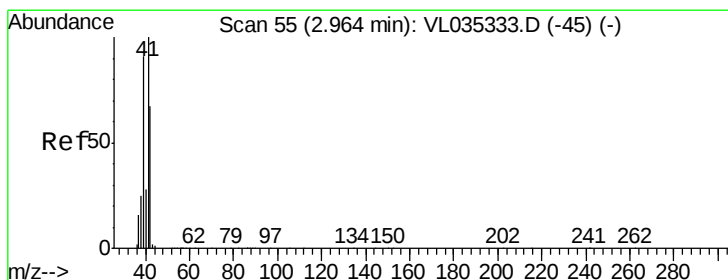
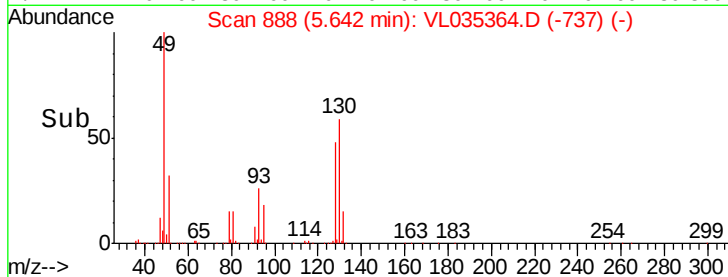
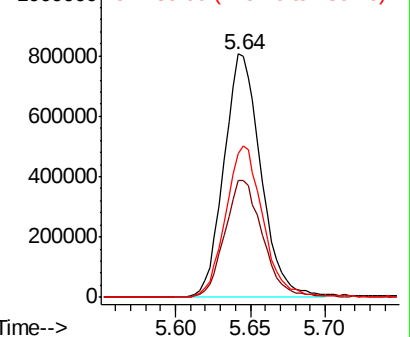
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.197 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL035364.D

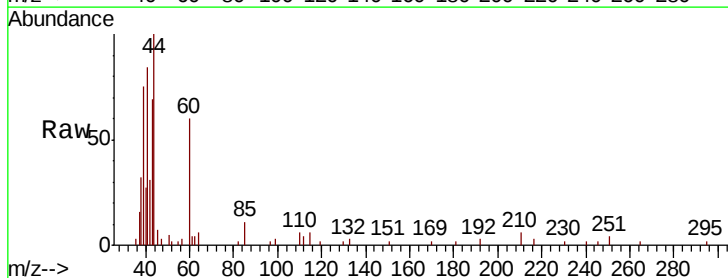
Acq: 7 Aug 2020 00:28

Tgt Ion: 41 Resp: 11113

Ion Ratio Lower Upper

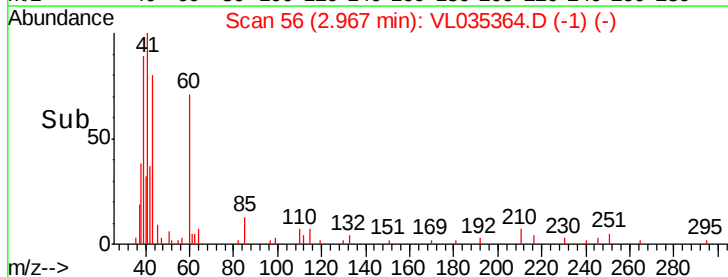
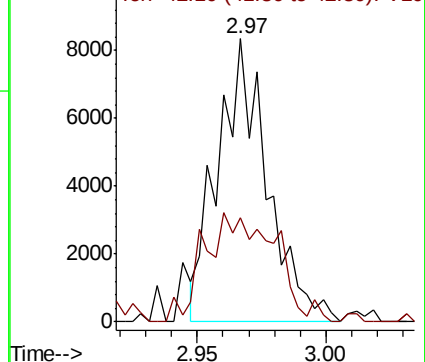
41 100

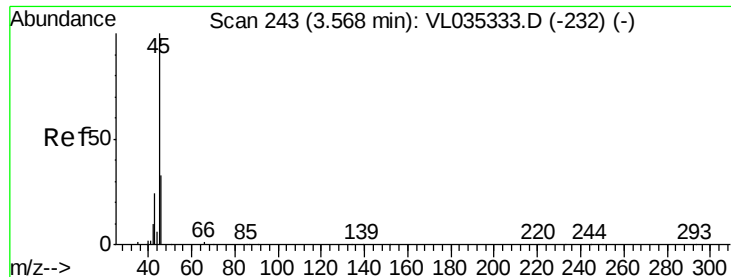
42 59.1 55.3 82.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 2.289 ppbv m

RT: 3.57 min Scan# 245

Delta R.T. 0.01 min

Lab File: VL035364.D

Acq: 7 Aug 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

1-ABOVE-GROUND DL

Tot Ion: 45 Resp: 44580

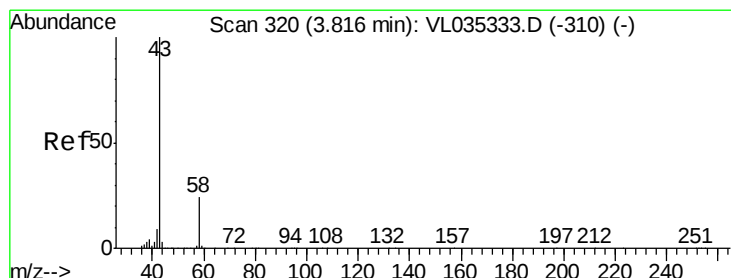
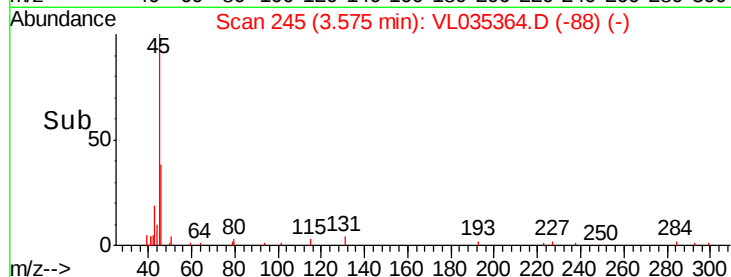
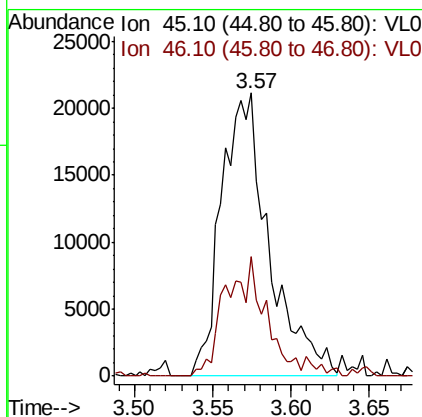
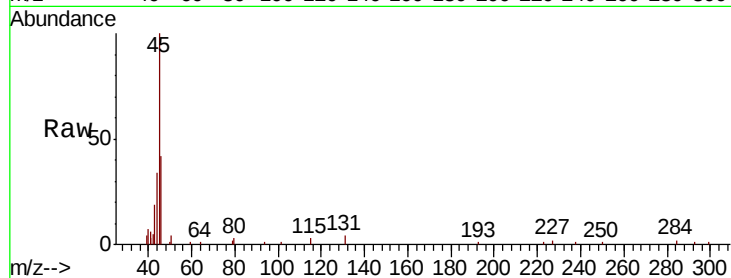
Ion Ratio Lower Upper

45 100

46 0.0 15.2 61.0#

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#15

Acetone

Concen: 1.141 ppbv

RT: 3.81 min Scan# 319

Delta R.T. -0.00 min

Lab File: VL035364.D

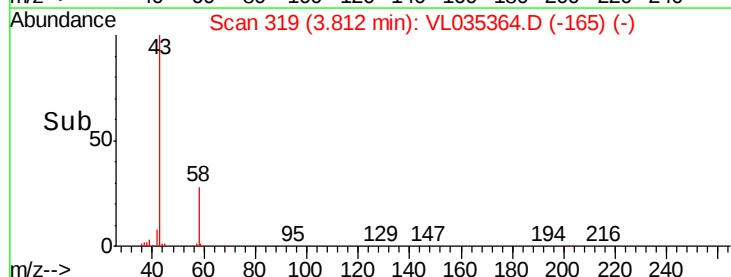
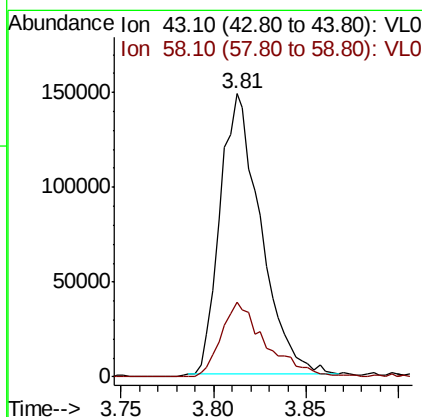
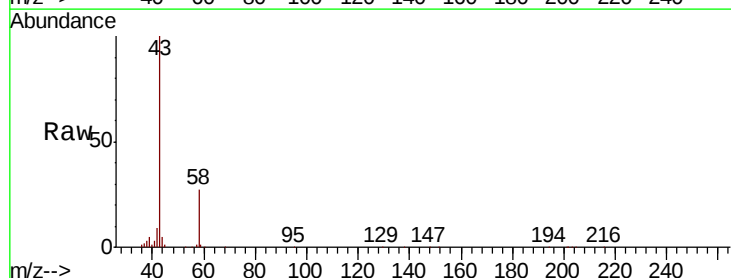
Acq: 7 Aug 2020 00:28

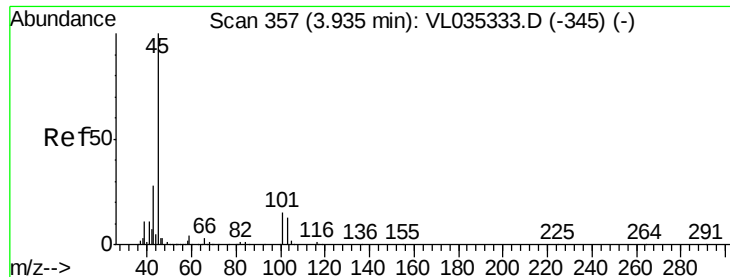
Tgt Ion: 43 Resp: 224938

Ion Ratio Lower Upper

43 100

58 29.4 21.0 31.4





#19

Isopropyl Alcohol

Concen: 0.336 ppbv m

RT: 3.95 min Scan# 361

Delta R.T. 0.01 min

Lab File: VL035364.D

Acq: 7 Aug 2020 00:28

Instrument :

MSVOA_L

ClientSampleId :

1-ABOVE-GROUND DL

Tot Ion: 45 Resp: 42010

Ion Ratio Lower Upper

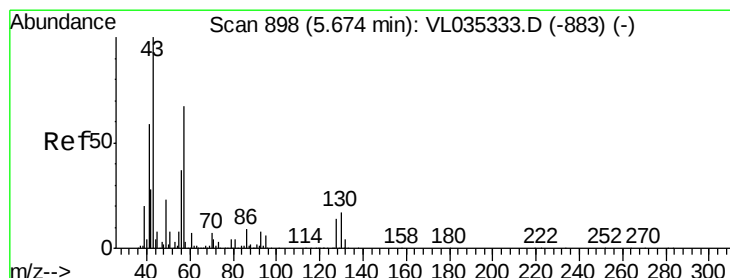
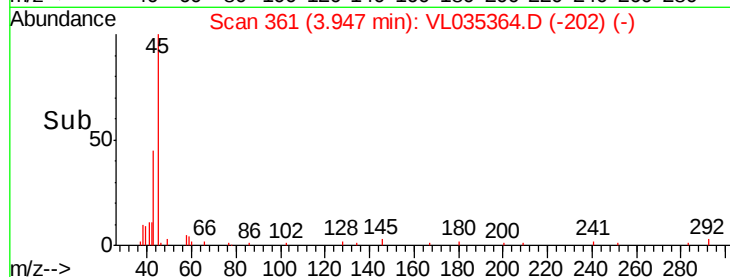
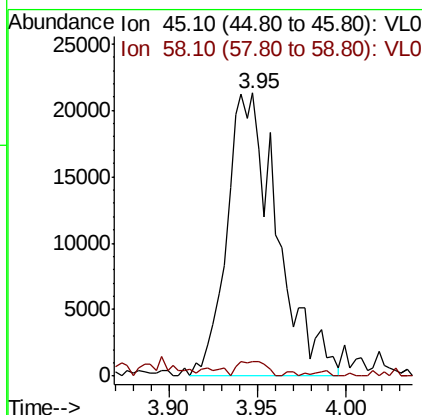
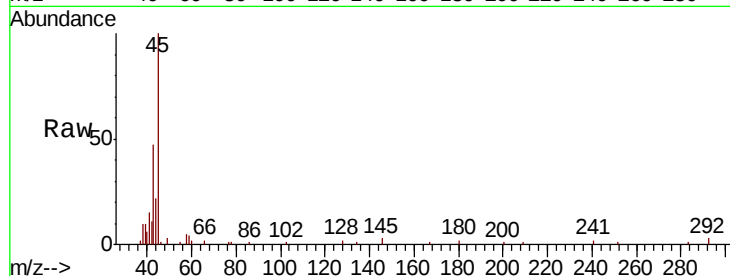
45 100

58 0.0 1.9 2.9#

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#26

Hexane

Concen: 0.171 ppbv m

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL035364.D

Acq: 7 Aug 2020 00:28

Tgt Ion: 57 Resp: 22220

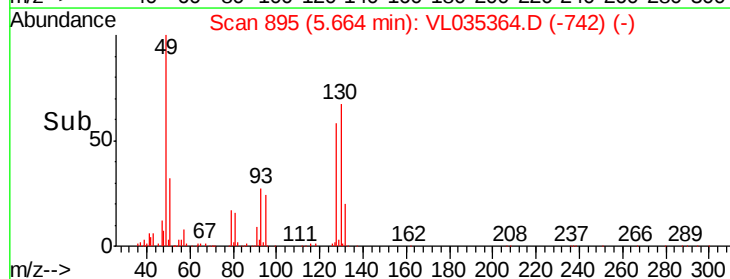
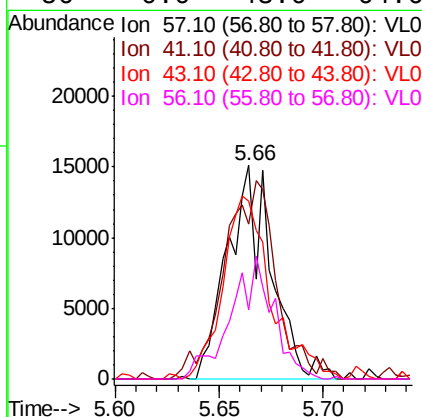
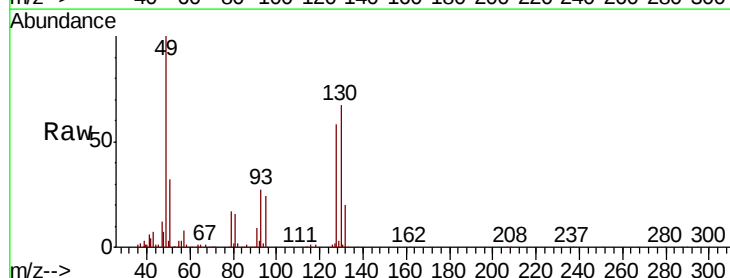
Ion Ratio Lower Upper

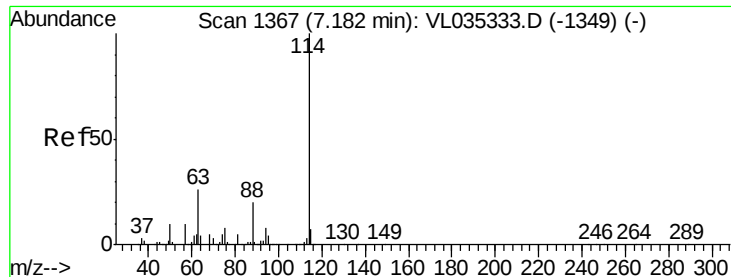
57 100

41 0.0 75.2 112.8#

43 96.9 180.6 270.8#

56 0.0 43.0 64.6#





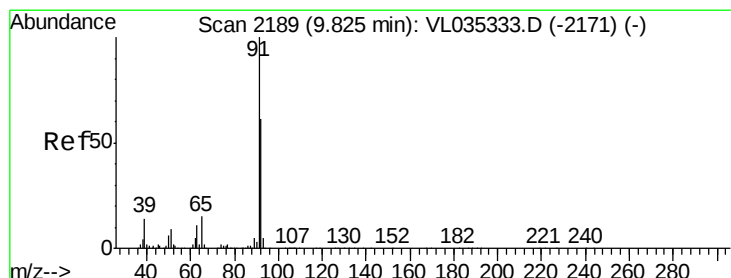
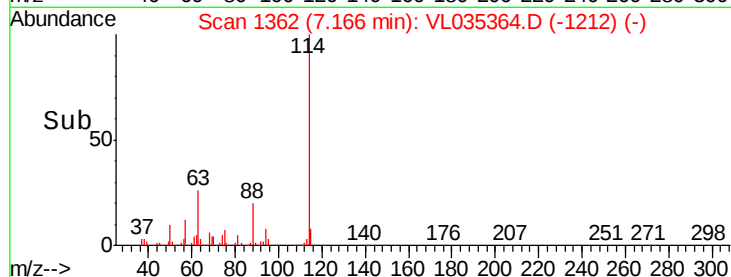
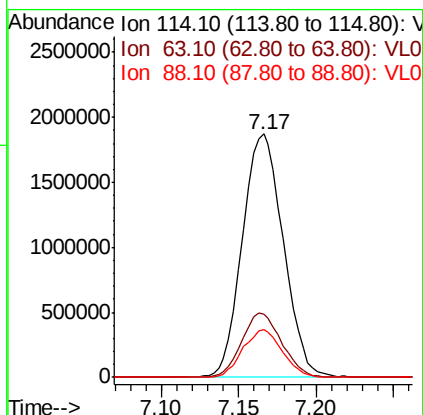
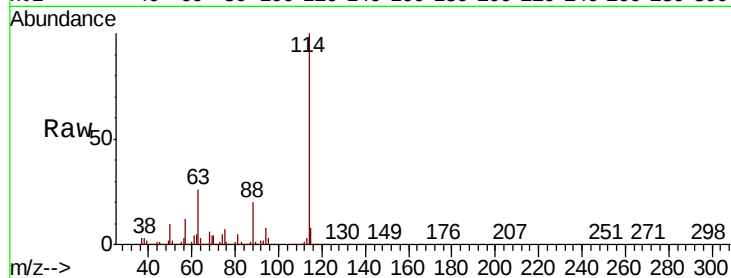
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.02 min
 Lab File: VL035364.D
 Acq: 7 Aug 2020 00:28

Instrument :
 MSVOA_L
 ClientSampleId :
 1-ABOVE-GROUND DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.0	21.3	31.9
88	19.1	15.3	22.9

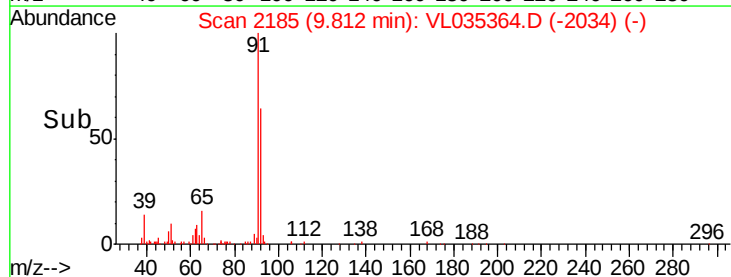
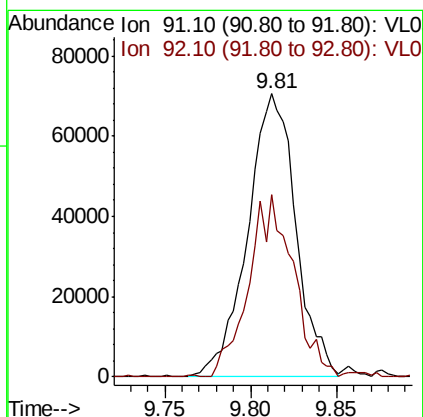
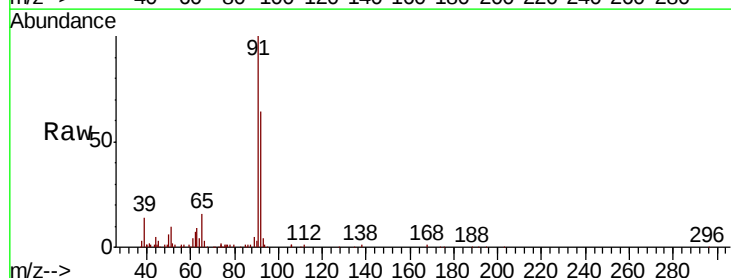
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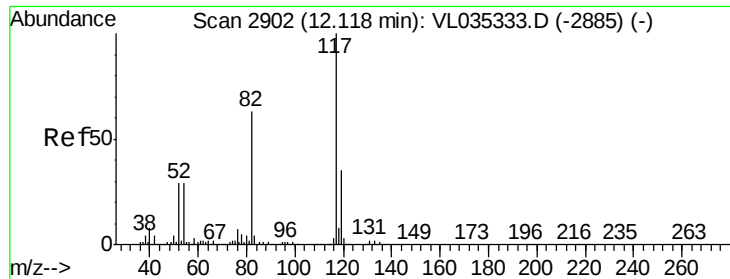
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#53
 Toluene
 Concen: 0.544 ppbv
 RT: 9.81 min Scan# 2185
 Delta R.T. -0.01 min
 Lab File: VL035364.D
 Acq: 7 Aug 2020 00:28

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.6	48.5	72.7





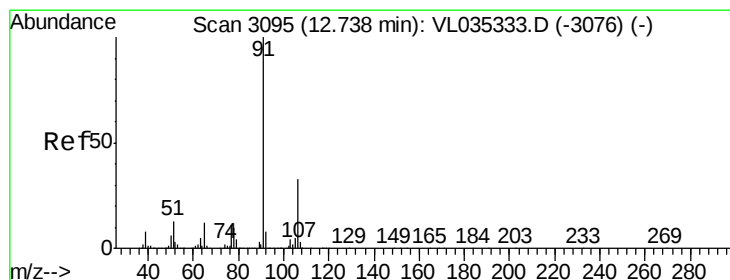
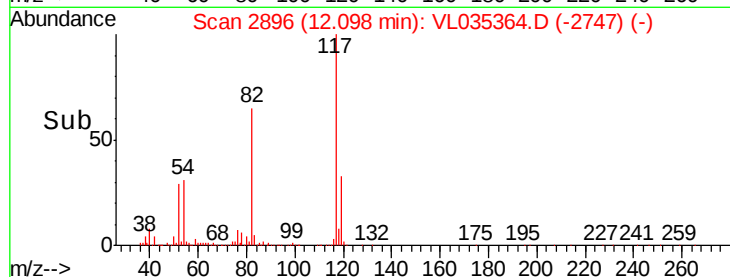
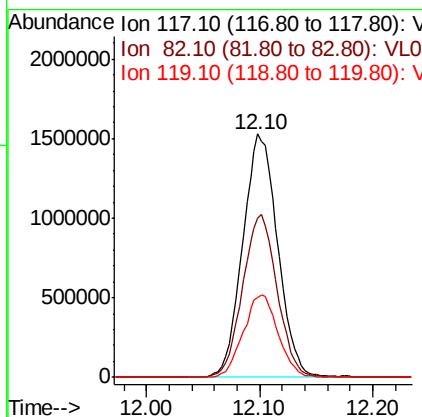
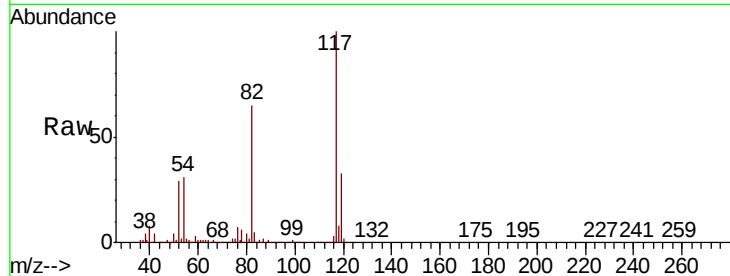
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.02 min
Lab File: VL035364.D
Acq: 7 Aug 2020 00:28

Instrument :
MSVOA_L
ClientSampleId :
1-ABOVE-GROUND

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.2	51.0	76.4
119	33.8	24.7	37.1

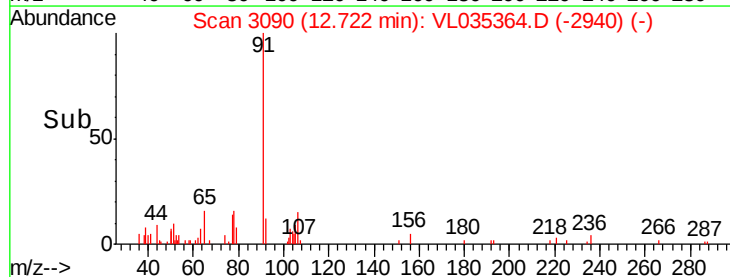
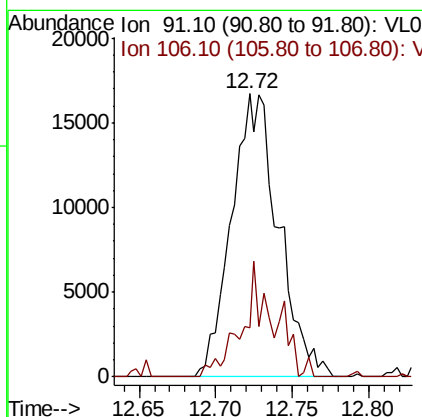
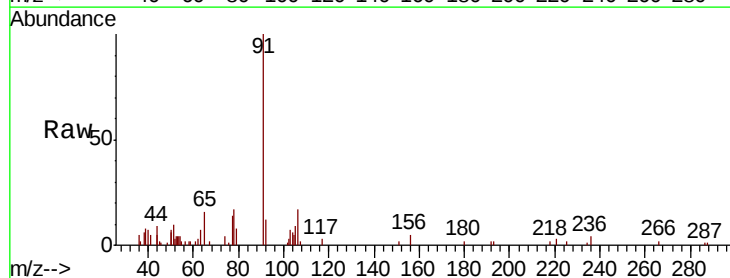
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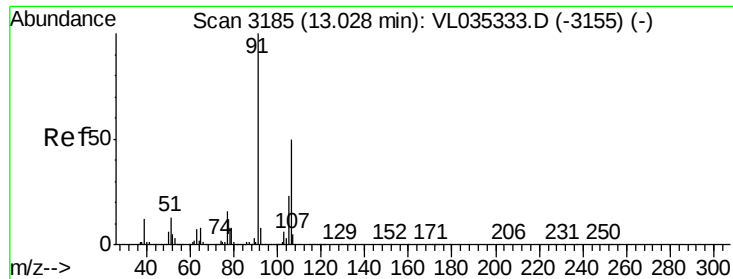
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#58
Ethyl Benzene
Concen: 0.104 ppbv m
RT: 12.72 min Scan# 3090
Delta R.T. -0.02 min
Lab File: VL035364.D
Acq: 7 Aug 2020 00:28

Tgt Ion	Ratio	Lower	Upper
91	100		
106	17.2	26.8	40.2





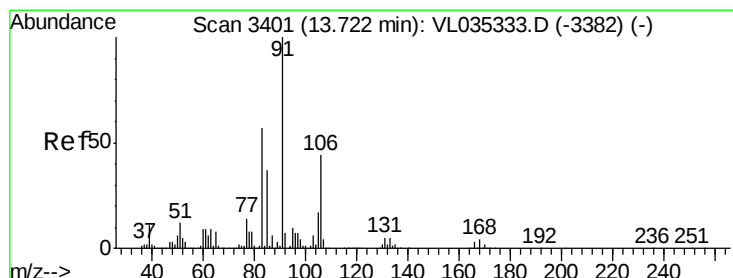
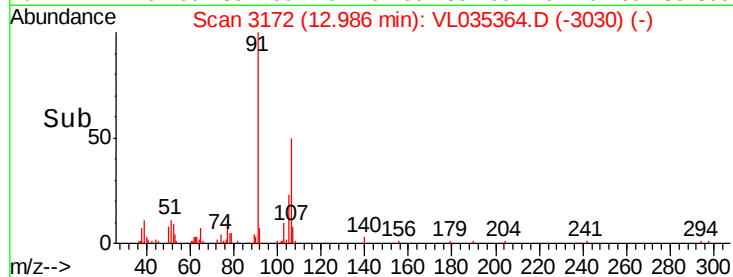
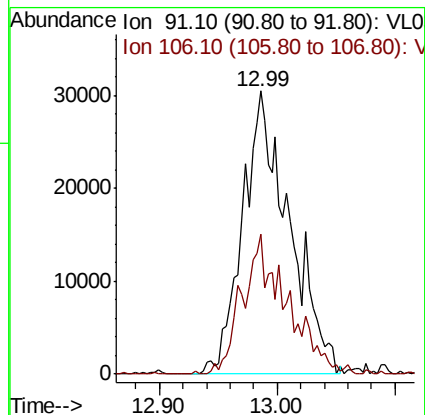
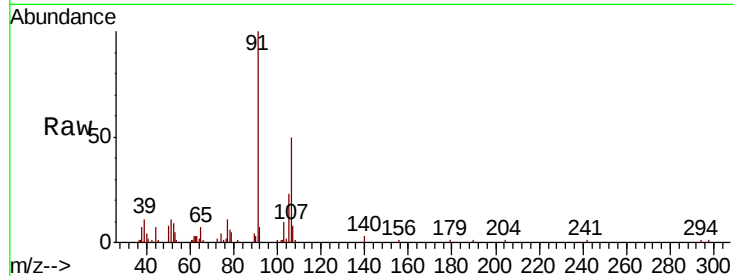
#59
m/p-Xylene
Concen: 0.265 ppbv m
RT: 12.99 min Scan# 3172
Delta R.T. -0.04 min
Lab File: VL035364.D
Acq: 7 Aug 2020 00:28

Instrument :
MSVOA_L
ClientSampleId :
1-ABOVE-GROUND

Tot Ion: 91 Resp: 84200
Ion Ratio Lower Upper
91 100
106 0.0 37.8 56.8#

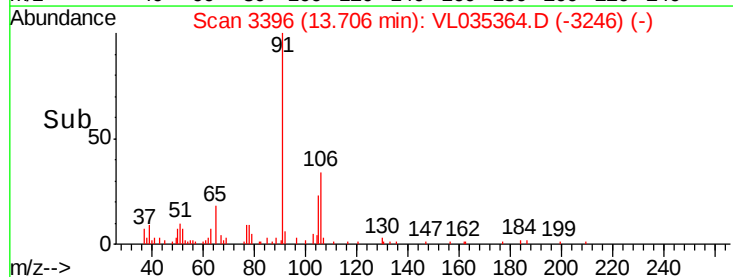
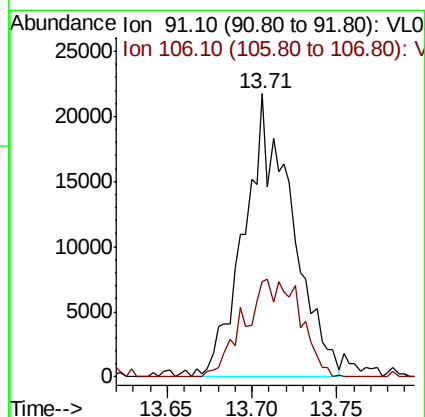
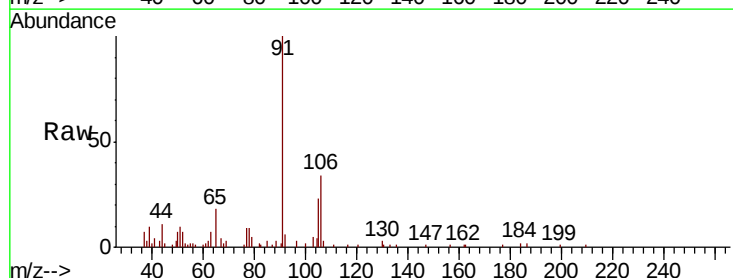
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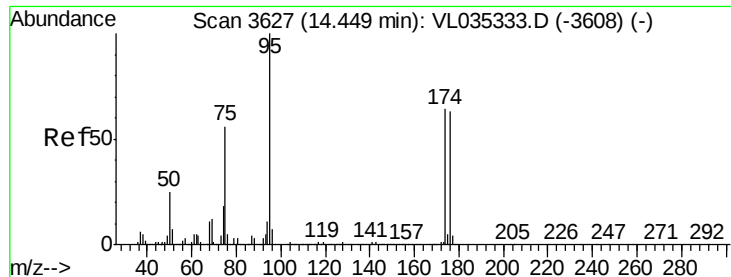
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#60
o-Xylene
Concen: 0.135 ppbv m
RT: 13.71 min Scan# 3396
Delta R.T. -0.02 min
Lab File: VL035364.D
Acq: 7 Aug 2020 00:28

Tgt Ion: 91 Resp: 42639
Ion Ratio Lower Upper
91 100
106 0.0 22.7 68.0#





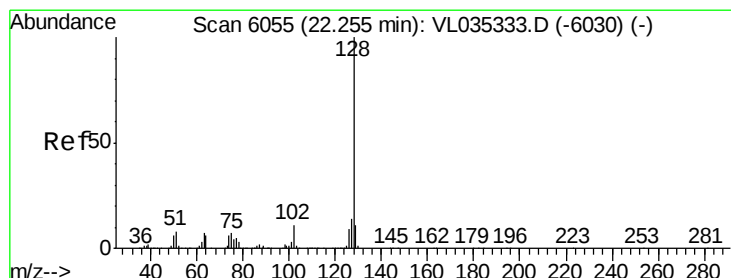
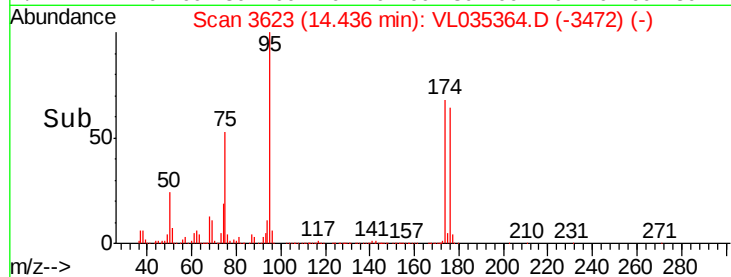
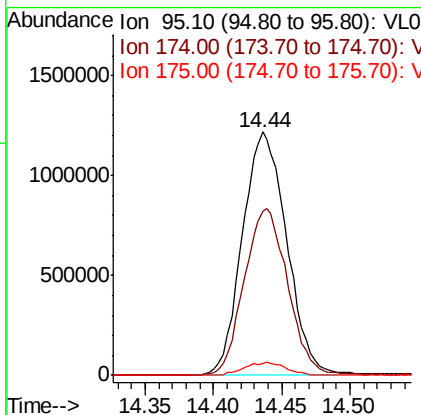
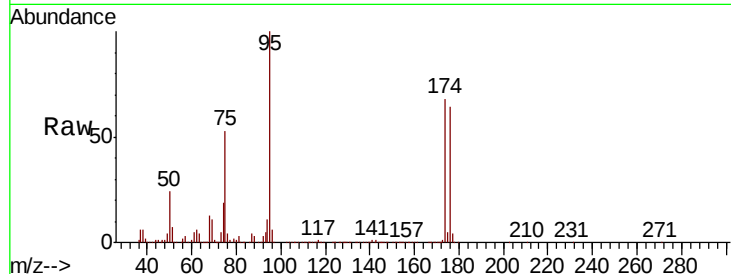
#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.987 ppbv
 RT: 14.44 min Scan# 3623
 Delta R.T. -0.01 min
 Lab File: VL035364.D
 Acq: 7 Aug 2020 00:28

Instrument :
 MSVOA_L
 ClientSampleId :
 1-ABOVE-GROUND

Tot Ion: 95 Resp: 2733865
 Ion Ratio Lower Upper
 95 100
 174 68.3 53.5 80.3
 175 5.1 4.2 6.2

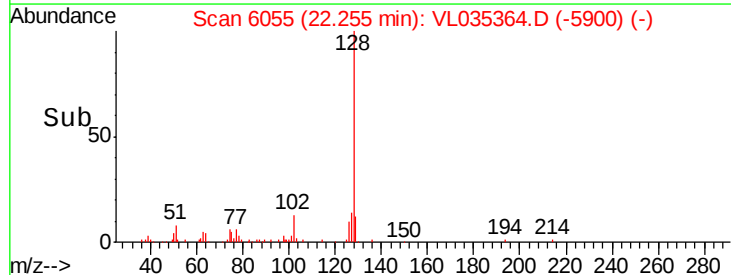
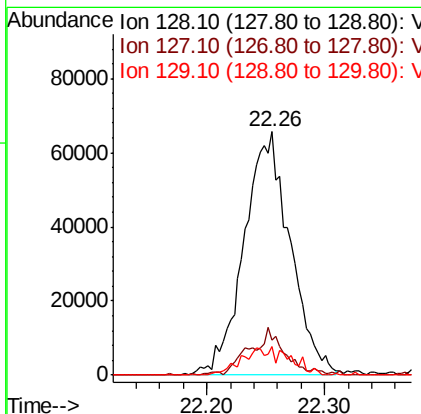
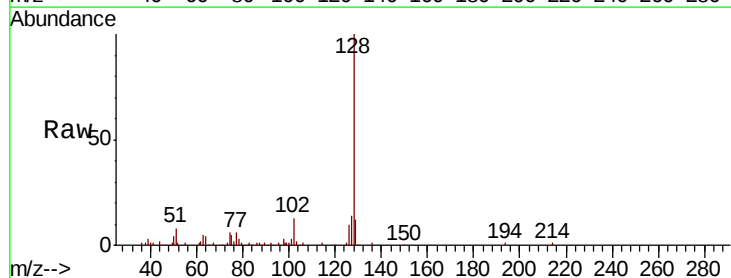
Manual Integrations
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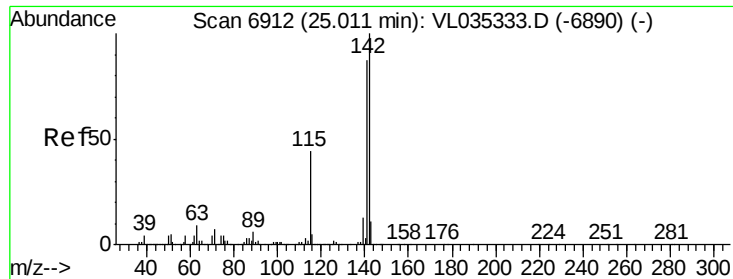
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#79
 Naphthalene
 Concen: 0.584 ppbv m
 RT: 22.26 min Scan# 6055
 Delta R.T. -0.00 min
 Lab File: VL035364.D
 Acq: 7 Aug 2020 00:28

Tgt Ion:128 Resp: 177239
 Ion Ratio Lower Upper
 128 100
 127 14.2 11.1 16.7
 129 11.7 8.7 13.1





#80
 Naphthalene, 2-methyl-
 Concen: 0.130 ppbv
 RT: 25.00 min Scan# 6909
 Delta R.T. -0.01 min
 Lab File: VL035364.D
 Acq: 7 Aug 2020 00:28

Instrument :
 MSVOA_L
 ClientSampleId :
 1-ABOVE-GROUND

Tot Ion	Ratio	Resp	Lower	Upper
142	100	8981		
141	84.0		69.0	103.6
115	39.7		35.5	53.3

Manual Integrations
 APPROVED

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