

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080620\
 Data File : VL035350.D
 Acq On : 6 Aug 2020 15:11
 Operator : SY/AP
 Sample : L3554-06DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 2-UNDER-GROUND DL

Manual Integrations
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 8/7/2020 12:53:44 PM

Quant Time: Aug 09 20:58:43 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	1511371	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3706135	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	3517773	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2960256	10.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.57	45	44150	2.082	ppbv	88
15) Acetone	3.81	43	360553	1.680	ppbv #	89
26) Hexane	5.66	57	95661	0.676	ppbv #	42
27) Carbon Disulfide	4.52	76	156058	0.789	ppbv #	91
34) 2-Butanone	5.22	43	97014	0.532	ppbv	94
53) Toluene	9.82	91	124637	0.458	ppbv	98
59) m/p-Xylene	12.98	91	83500m	0.245	ppbv	
60) o-Xylene	13.72	91	47876m	0.142	ppbv	
74) 1,2,4-Trimethylbenzene	16.79	105	84229m	0.199	ppbv	
79) Naphthalene	22.26	128	55543m	0.171	ppbv	

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

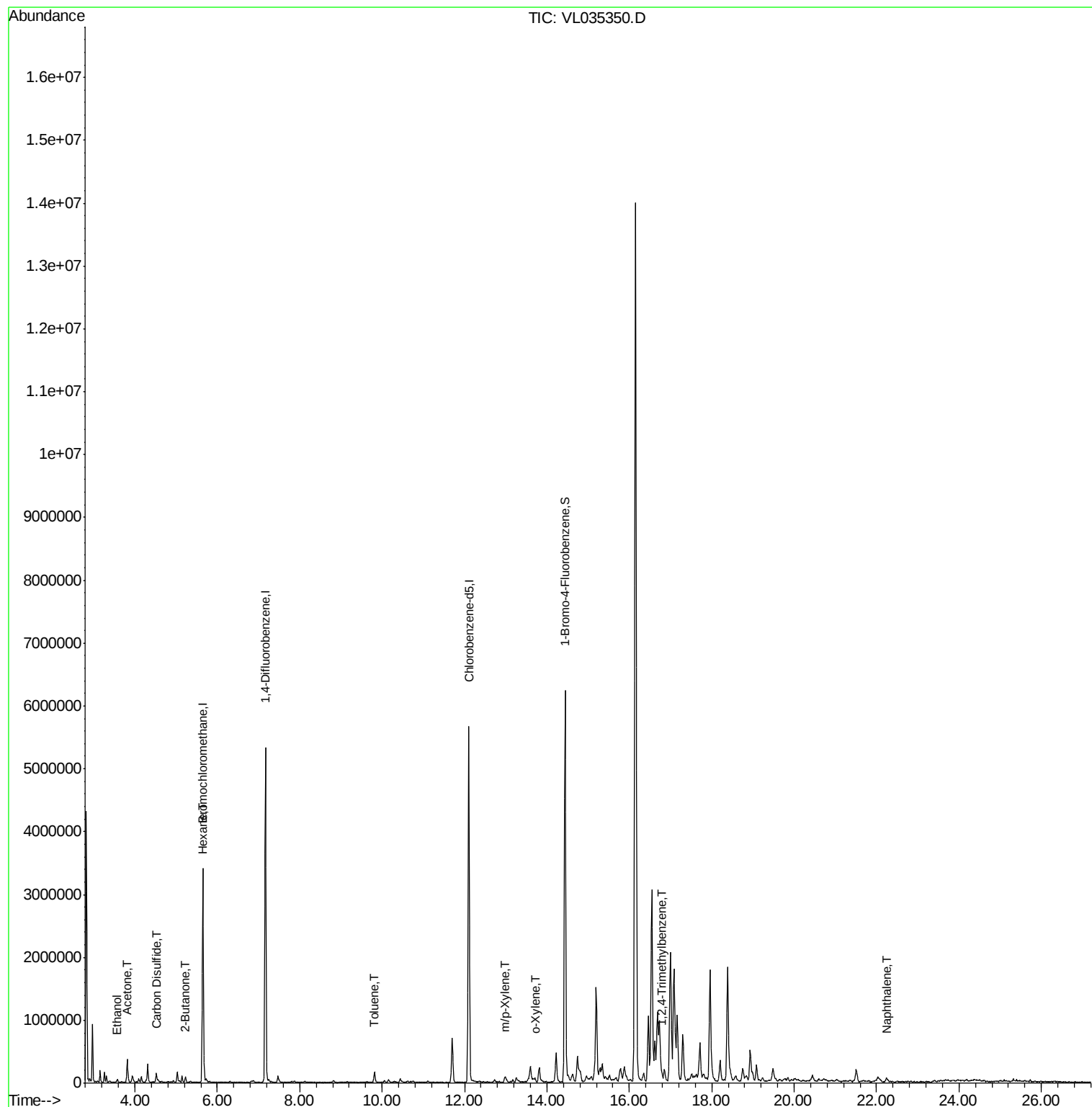
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080620\
Data File : VL035350.D
Acq On : 6 Aug 2020 15:11
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Sample : L3554-06DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

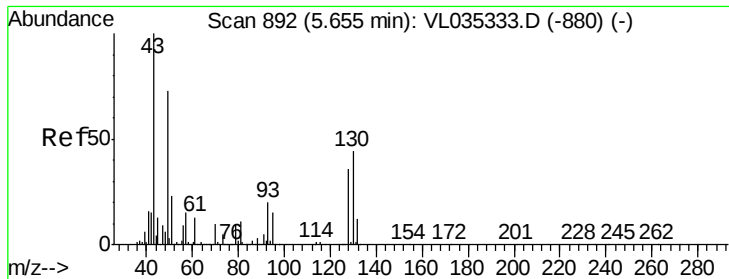
Instrument :
MSVOA_L
ClientSampleId :
2-UNDER-GROUNDL

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Quant Time: Aug 09 20:58:43 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# 889

Delta R.T. -0.01 min

Lab File: VL035350.D

Acq: 6 Aug 2020 15:11

Instrument :

MSVOA_L

ClientSampleId :

2-UNDER-GROUND

Tot Ion: 49 Resp: 1511371

Ion Ratio Lower Upper

49 100

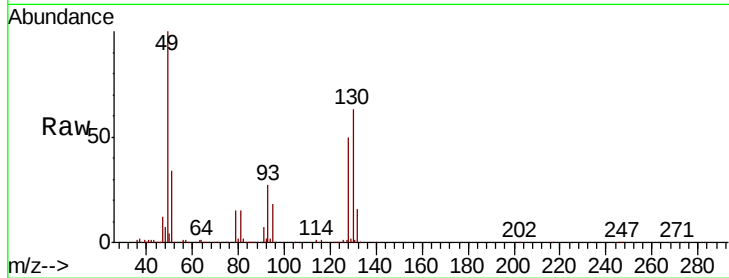
128 48.9 25.4 76.0

130 62.0 32.1 96.3

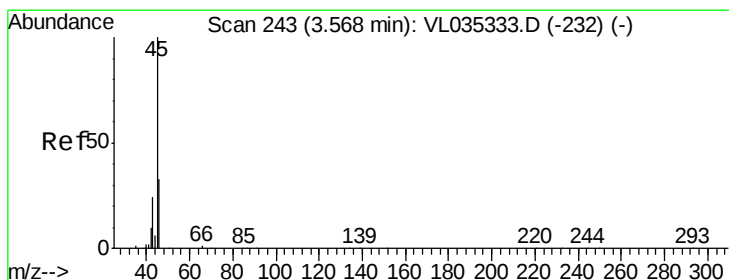
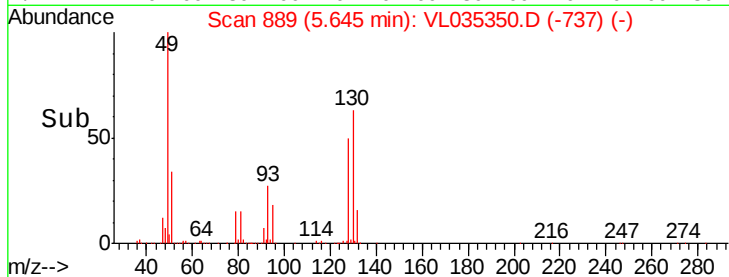
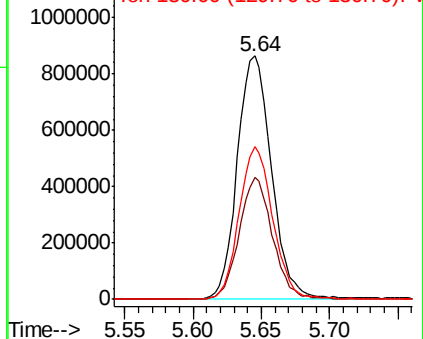
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Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V



#13

Ethanol

Concen: 2.082 ppbv

RT: 3.57 min Scan# 243

Delta R.T. -0.00 min

Lab File: VL035350.D

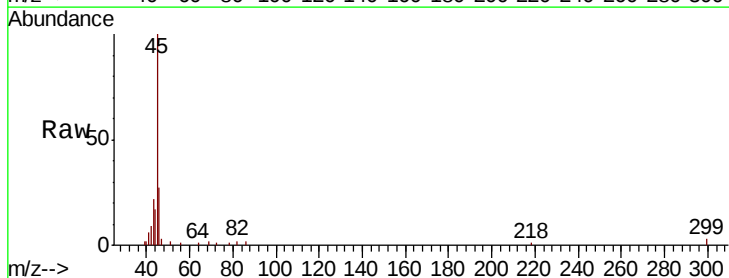
Acq: 6 Aug 2020 15:11

Tgt Ion: 45 Resp: 44150

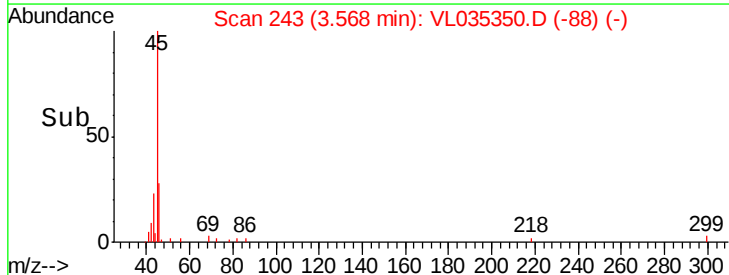
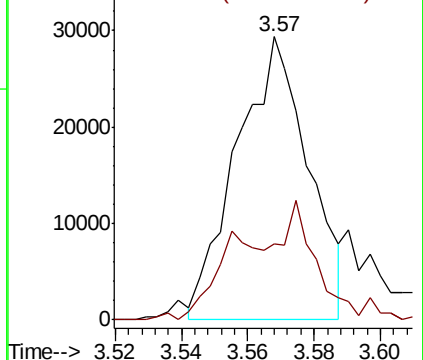
Ion Ratio Lower Upper

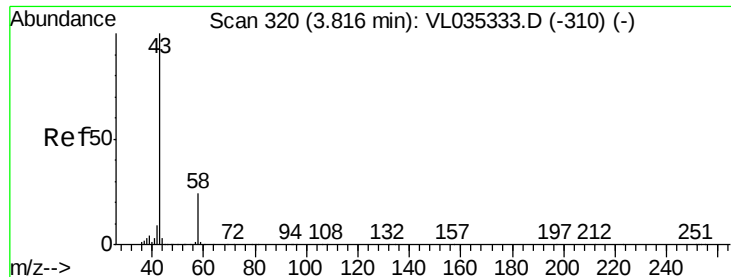
45 100

46 45.5 15.2 61.0



Abundance Ion 45.10 (44.80 to 45.80): VL0
Ion 46.10 (45.80 to 46.80): VL0





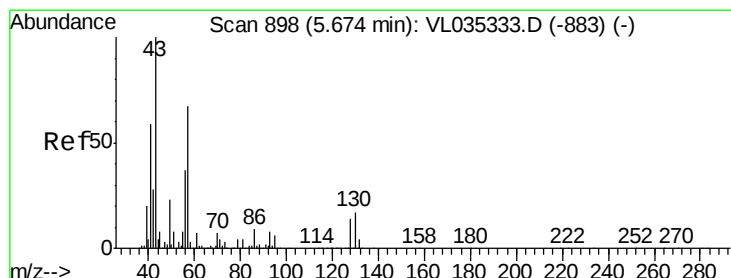
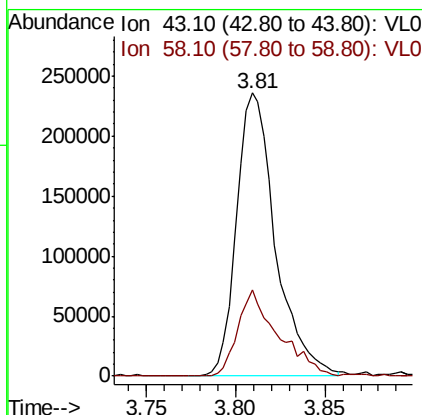
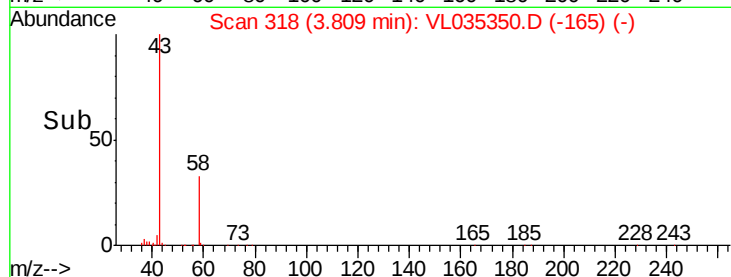
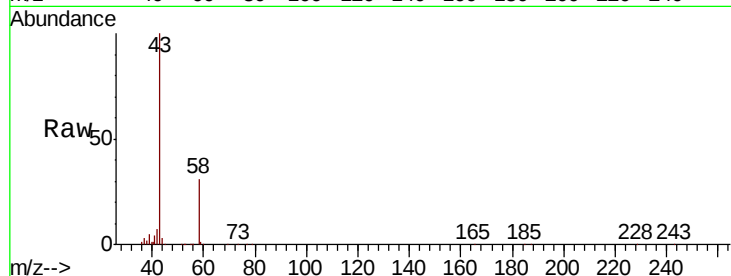
#15
Acetone
Concen: 1.680 ppbv
RT: 3.81 min Scan# 318
Delta R.T. -0.01 min
Lab File: VL035350.D
Acq: 6 Aug 2020 15:11

Instrument :
MSVOA_L
ClientSampleId :
2-UNDER-GROUND DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	32.1	21.0	31.4#

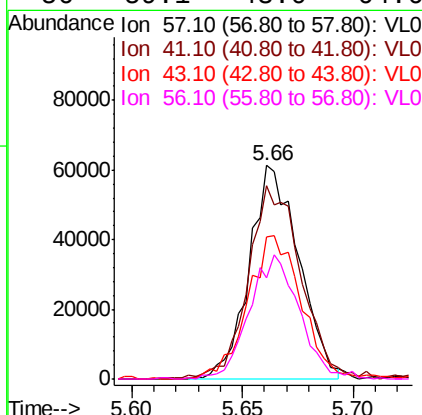
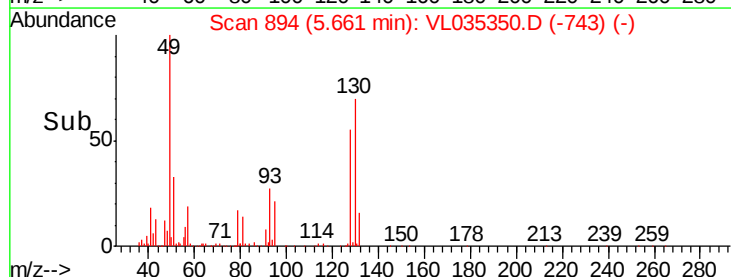
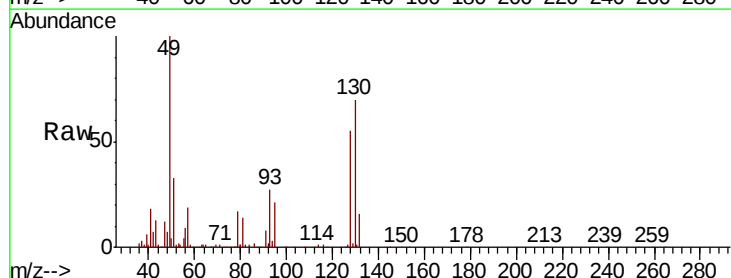
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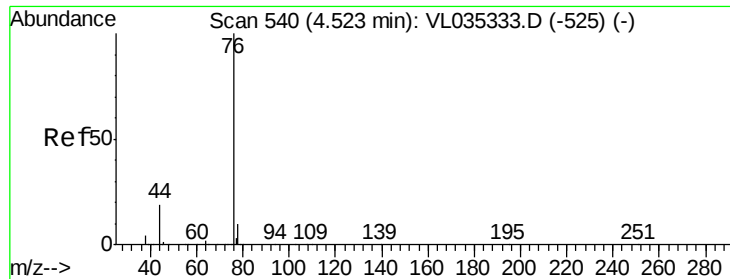
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#26
Hexane
Concen: 0.676 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL035350.D
Acq: 6 Aug 2020 15:11

Tgt Ion	Ratio	Lower	Upper
57	100		
41	98.2	75.2	112.8
43	73.5	180.6	270.8#
56	59.1	43.0	64.6





#27

Carbon Disulfide

Concen: 0.789 ppbv

RT: 4.52 min Scan# 538

Delta R.T. -0.01 min

Lab File: VL035350.D

Acq: 6 Aug 2020 15:11

Instrument :

MSVOA_L

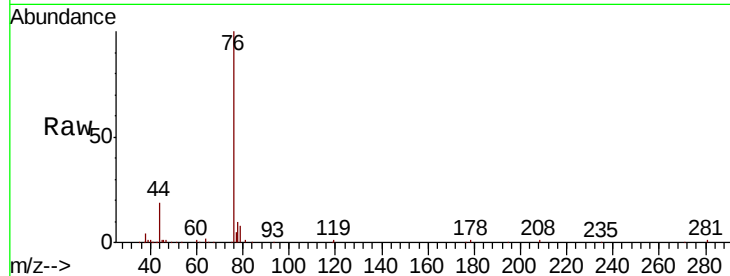
ClientSampleId :

2-UNDER-GROUND DL

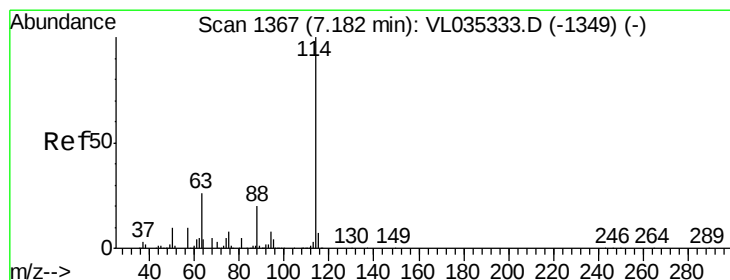
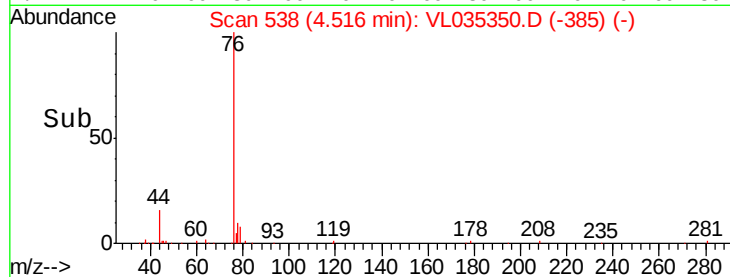
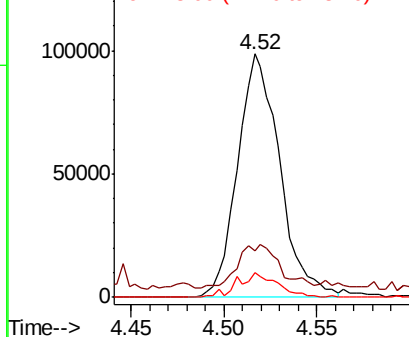
Tot Ion:	76	Resp:	156058
Ion Ratio	Lower	Upper	
76	100		
44	25.2	15.4	23.2#
78	9.6	7.7	11.5

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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

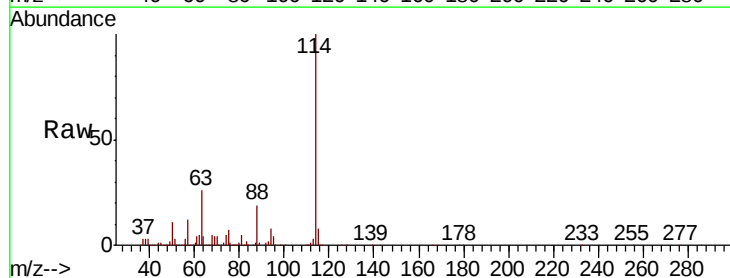
RT: 7.17 min Scan# 1362

Delta R.T. -0.02 min

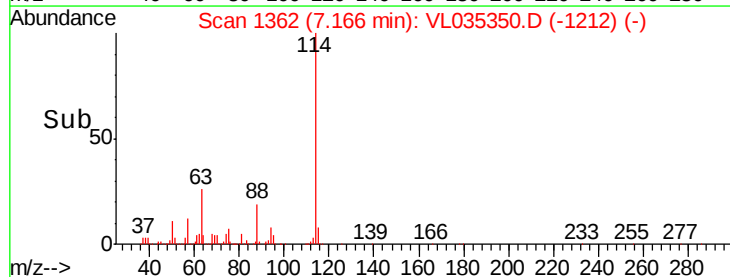
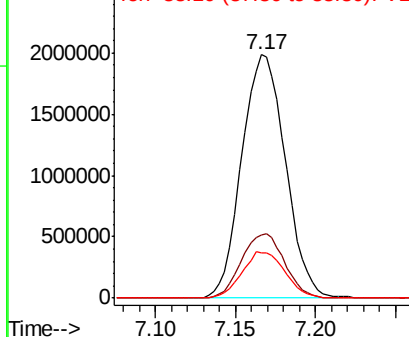
Lab File: VL035350.D

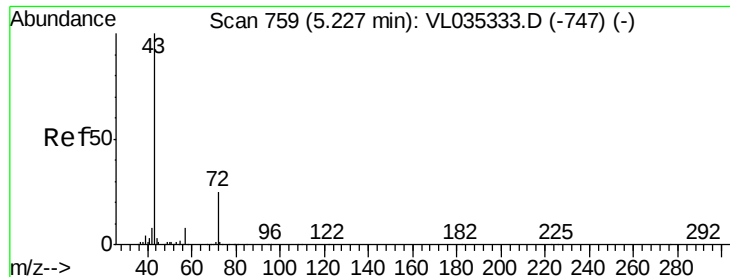
Acq: 6 Aug 2020 15:11

Tgt Ion:	114	Resp:	3706135
Ion Ratio	Lower	Upper	
114	100		
63	26.4	21.3	31.9
88	18.7	15.3	22.9



Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





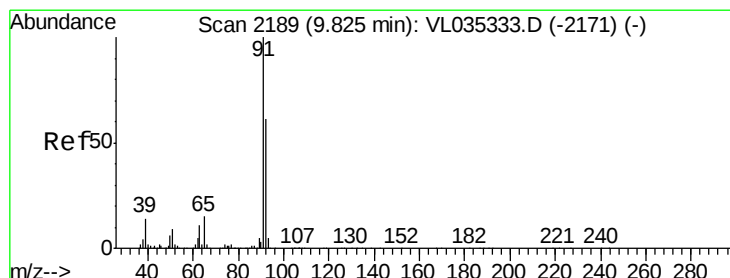
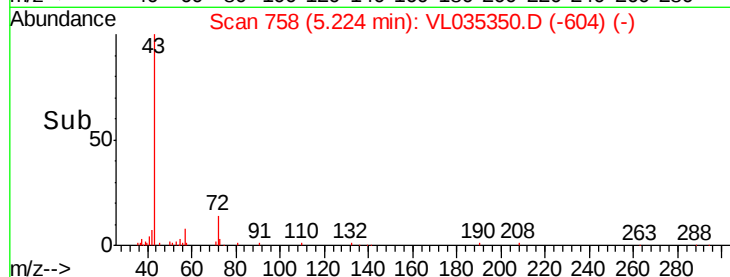
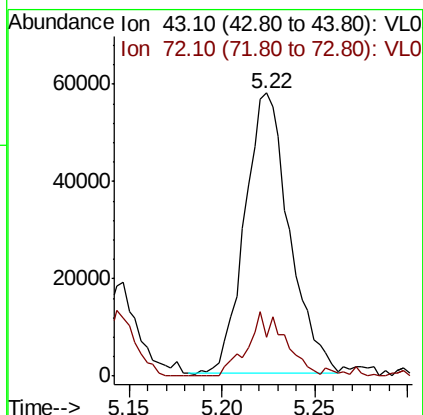
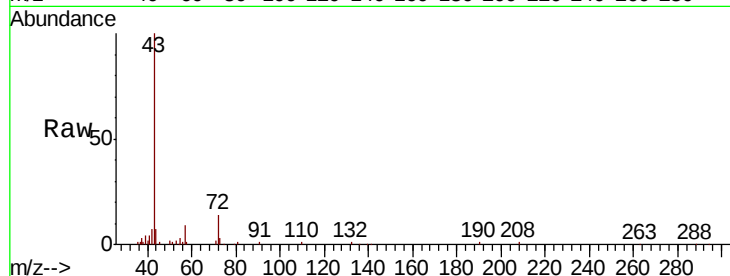
#34
2-Butanone
Concen: 0.532 ppbv
RT: 5.22 min Scan# 758
Delta R.T. -0.00 min
Lab File: VL035350.D
Acq: 6 Aug 2020 15:11

Instrument :
MSVOA_L
ClientSampleId :
2-UNDER-GROUNDDL

Tot Ion	Ratio	Lower	Upper
43	100		
72	20.8	18.9	28.3

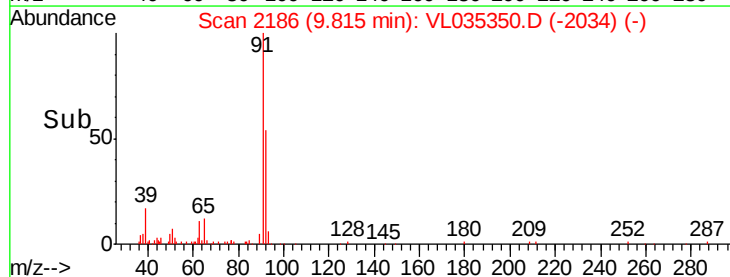
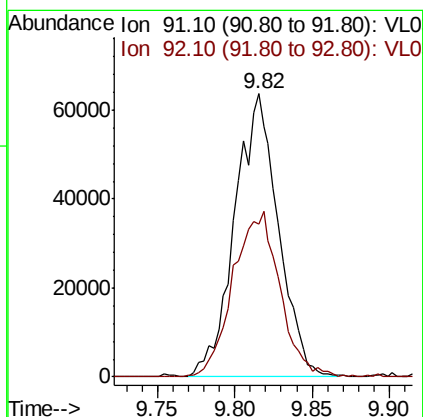
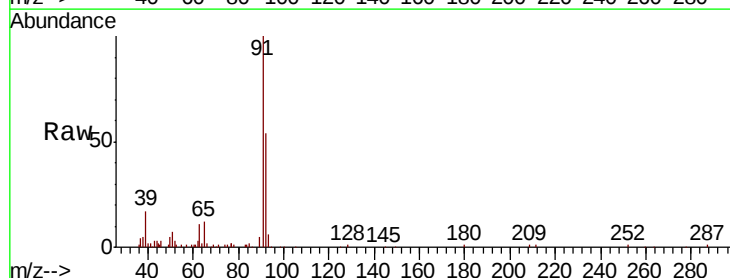
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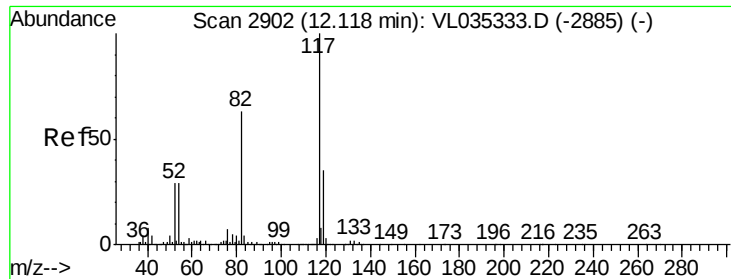
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#53
Toluene
Concen: 0.458 ppbv
RT: 9.82 min Scan# 2186
Delta R.T. -0.01 min
Lab File: VL035350.D
Acq: 6 Aug 2020 15:11

Tgt Ion	Ratio	Lower	Upper
91	100		
92	62.3	48.5	72.7





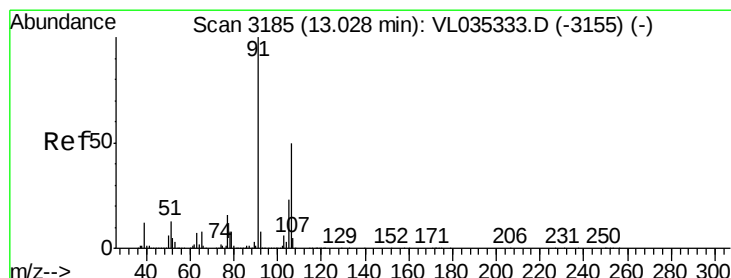
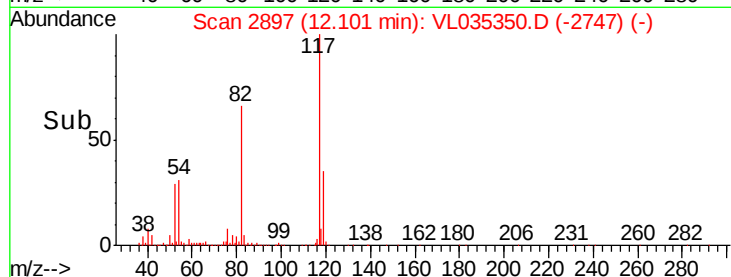
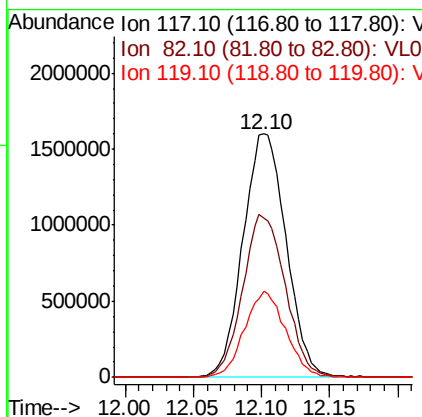
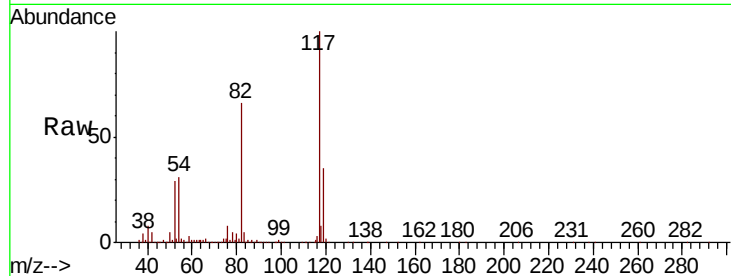
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.02 min
Lab File: VL035350.D
Acq: 6 Aug 2020 15:11

Instrument :
MSVOA_L
ClientSampleId :
2-UNDER-GROUND

Tot Ion:117 Resp: 3517773
Ion Ratio Lower Upper
117 100
82 65.9 51.0 76.4
119 33.8 24.7 37.1

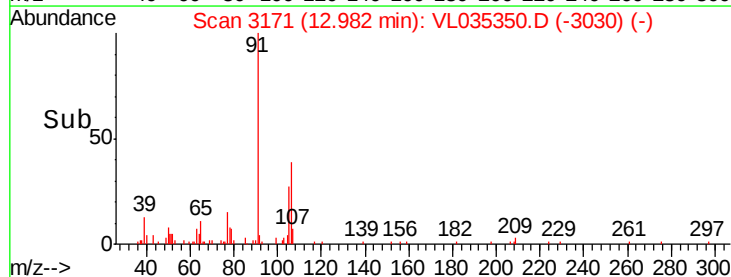
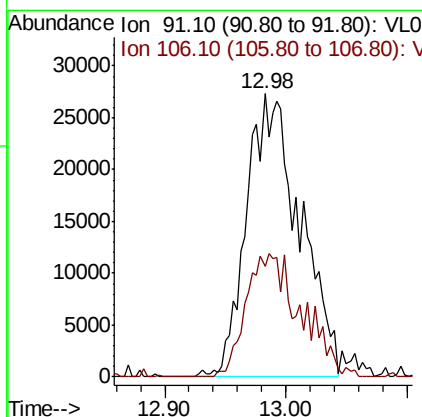
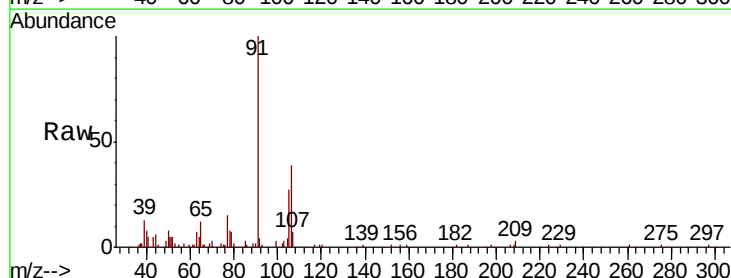
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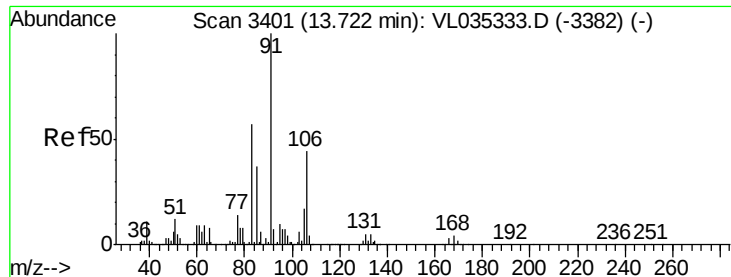
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#59
m/p-Xylene
Concen: 0.245 ppbv m
RT: 12.98 min Scan# 3171
Delta R.T. -0.05 min
Lab File: VL035350.D
Acq: 6 Aug 2020 15:11

Tgt Ion: 91 Resp: 83500
Ion Ratio Lower Upper
91 100
106 0.0 37.8 56.8#





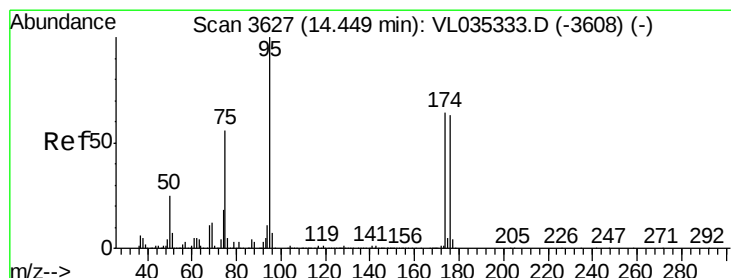
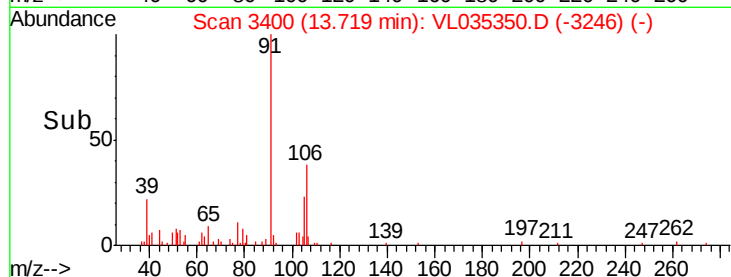
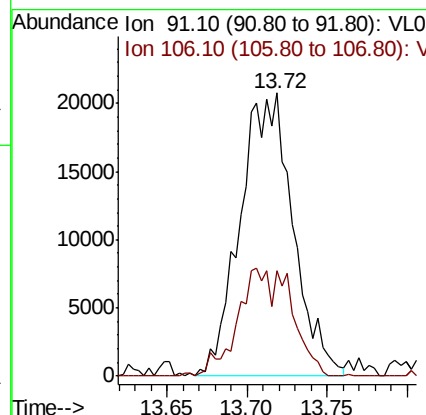
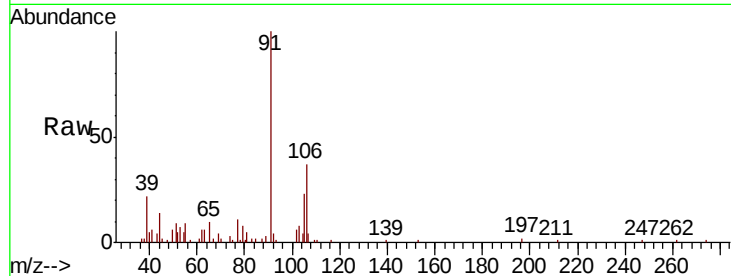
#60
o-Xylene
Concen: 0.142 ppbv m
RT: 13.72 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL035350.D
Acq: 6 Aug 2020 15:11

Instrument :
MSVOA_L
ClientSampleId :
2-UNDER-GROUND

Tot Ion: 91 Resp: 47876
Ion Ratio Lower Upper
91 100
106 39.0 22.7 68.0

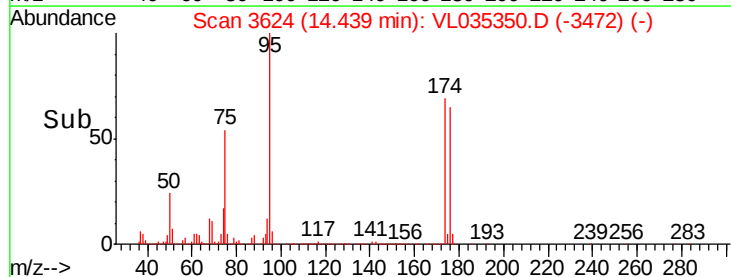
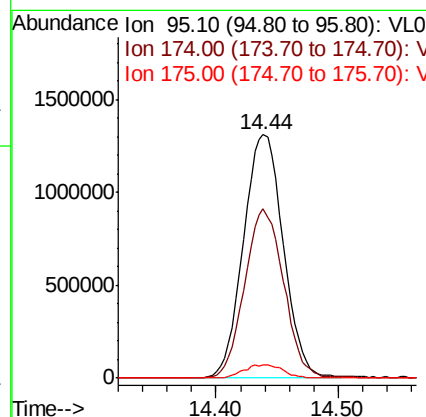
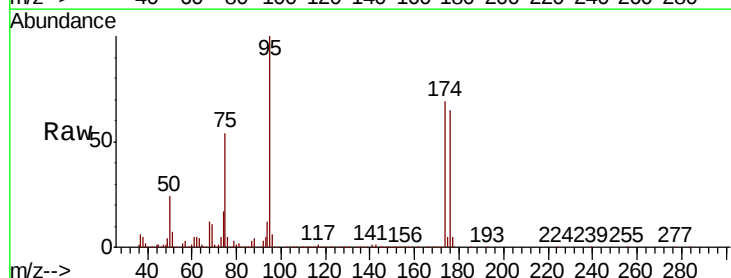
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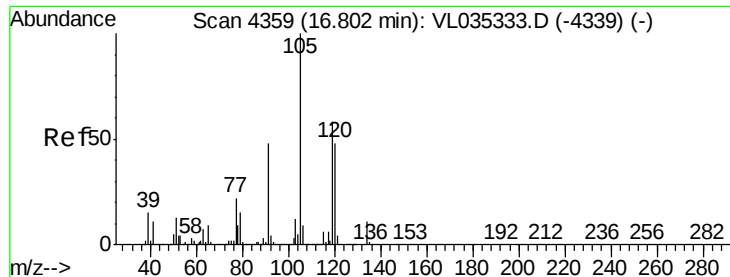
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.091 ppbv
RT: 14.44 min Scan# 3624
Delta R.T. -0.01 min
Lab File: VL035350.D
Acq: 6 Aug 2020 15:11

Tgt Ion: 95 Resp: 2960256
Ion Ratio Lower Upper
95 100
174 68.5 53.5 80.3
175 5.5 4.2 6.2





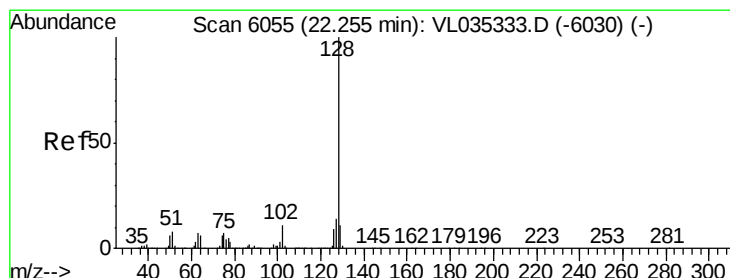
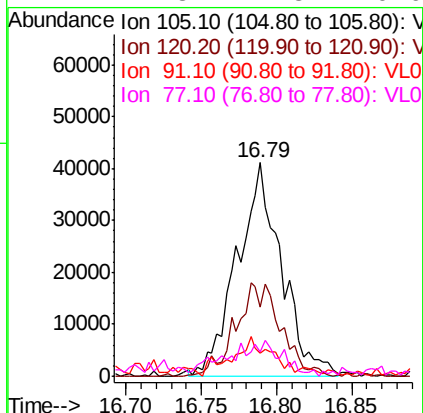
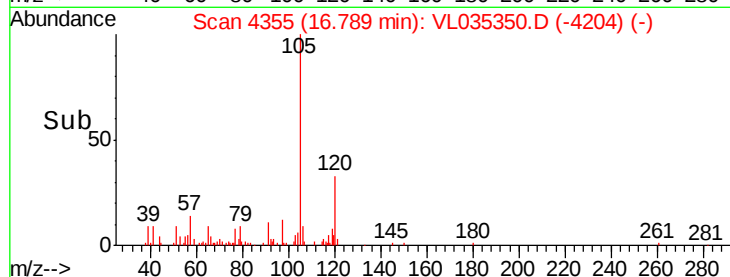
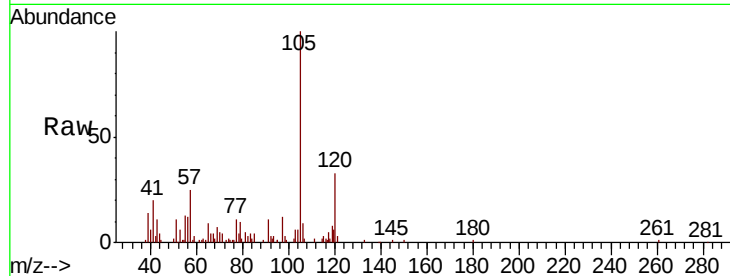
#74
1,2,4-Trimethylbenzene
Concen: 0.199 ppbv m
RT: 16.79 min Scan# 4355
Delta R.T. -0.01 min
Lab File: VL035350.D
Acq: 6 Aug 2020 15:11

Instrument :
MSVOA_L
ClientSampleId :
2-UNDER-GROUND

Tot Ion:	105	Resp:	84229
Ion Ratio	Lower	Upper	
105	100		
120	32.7	38.5	57.7#
91	11.0	39.0	58.6#
77	11.3	17.8	26.6#

Manual Integrations
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#79
Naphthalene
Concen: 0.171 ppbv m
RT: 22.26 min Scan# 6055
Delta R.T. -0.00 min
Lab File: VL035350.D
Acq: 6 Aug 2020 15:11

Tgt Ion:	128	Resp:	55543
Ion Ratio	Lower	Upper	
128	100		
127	14.2	11.1	16.7
129	16.8	8.7	13.1#

