

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120820\
 Data File : VL036127.D
 Acq On : 9 Dec 2020 12:17
 Operator : SY/AP
 Sample : L4949-06DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-5DL2

Manual Integrations
 APPROVED

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 12/11/2020 12:24:23 PM

Quant Time: Dec 10 21:55:40 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1220740	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2495558	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2264636	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	1962806	10.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	54568m	0.782	ppbv	
13) Ethanol	3.62	45	74229m	7.717	ppbv	
15) Acetone	3.86	43	471381	3.213	ppbv	95
19) Isopropyl Alcohol	4.00	45	66389m	0.740	ppbv	
25) Ethyl Acetate	5.70	43	80557m	0.275	ppbv	
53) Toluene	9.82	91	538418	2.267	ppbv	100
59) m/p-Xylene	12.99	91	94509m	0.362	ppbv	
60) o-Xylene	13.72	91	33475m	0.136	ppbv	

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

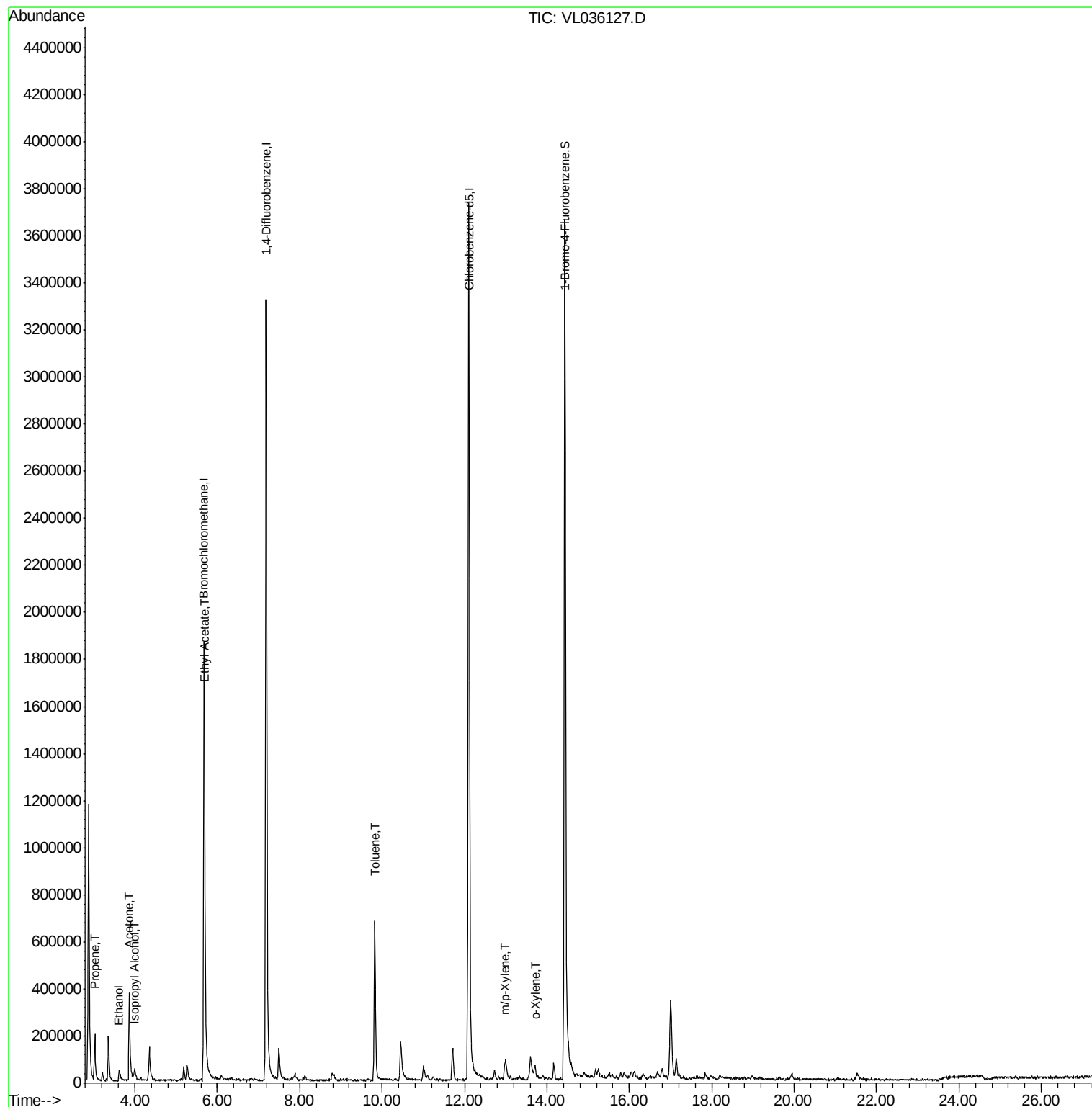
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120820\
Data File : VL036127.D
Acq On : 9 Dec 2020 12:17
Operator : SY/AP
Sample : L4949-06DL2 40X
Misc : 400ml/MSVOA L
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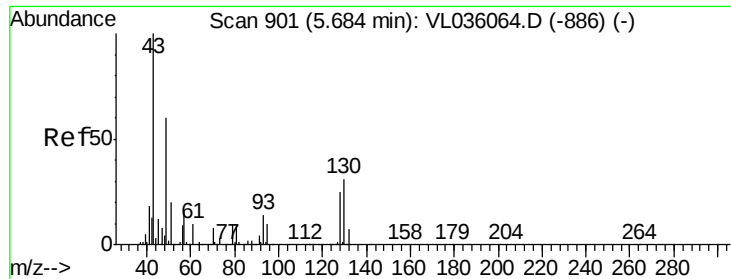
Instrument :
MSVOA_L
ClientSampleId :
IA-5DL2

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Quant Time: Dec 10 21:55:40 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL036127.D

Acq: 9 Dec 2020 12:17

Instrument :

MSVOA_L

ClientSampleId :

IA-5DL2

Tot Ion: 49 Resp: 1220740

Ion Ratio Lower Upper

49 100

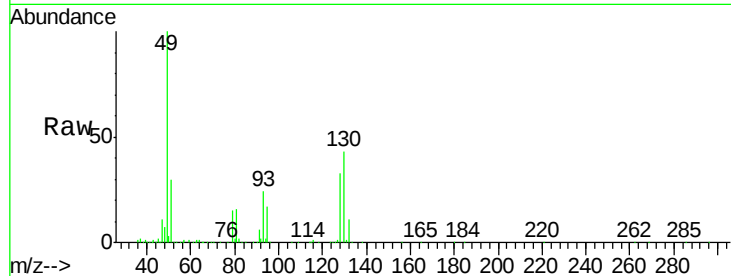
128 36.3 21.1 63.1

130 46.9 27.1 81.3

Manual Integrations
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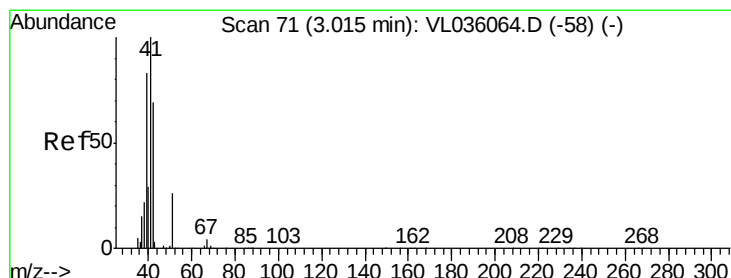
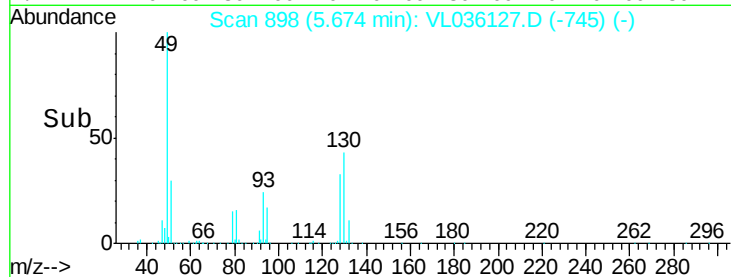
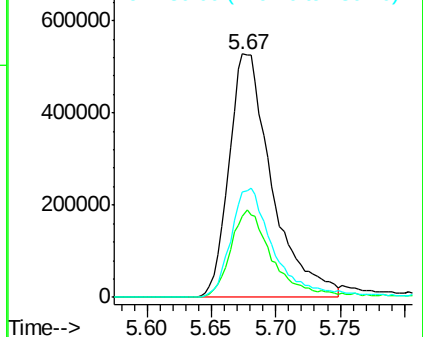
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.782 ppbv m

RT: 3.02 min Scan# 74

Delta R.T. 0.01 min

Lab File: VL036127.D

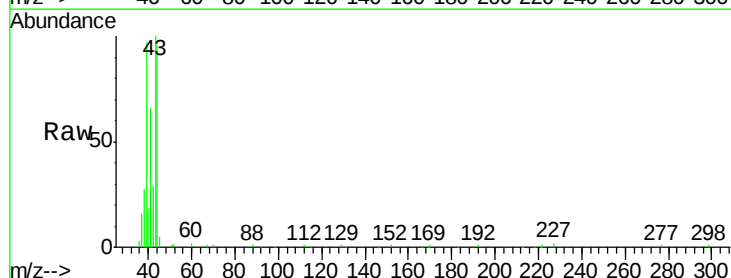
Acq: 9 Dec 2020 12:17

Tgt Ion: 41 Resp: 54568

Ion Ratio Lower Upper

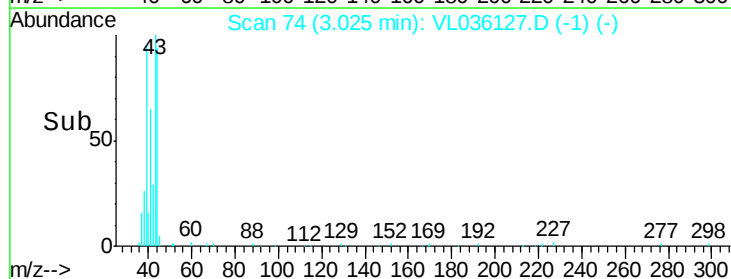
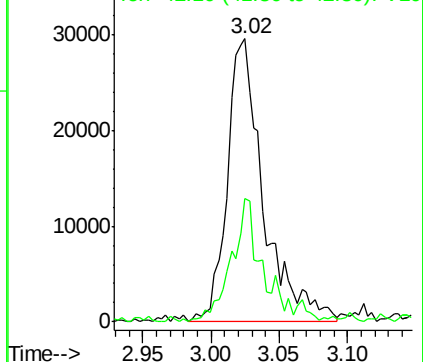
41 100

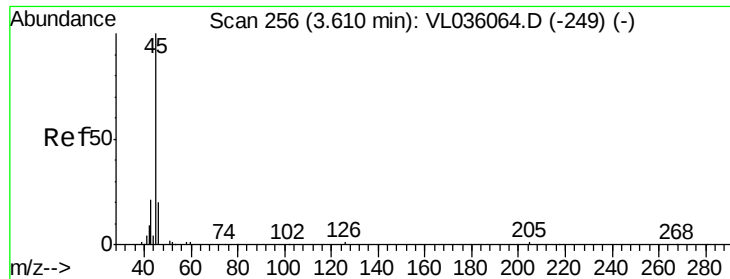
42 40.1 57.0 85.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





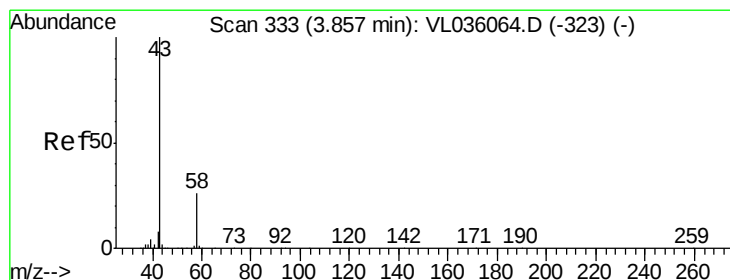
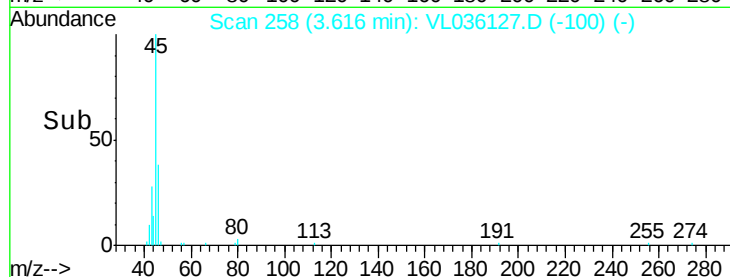
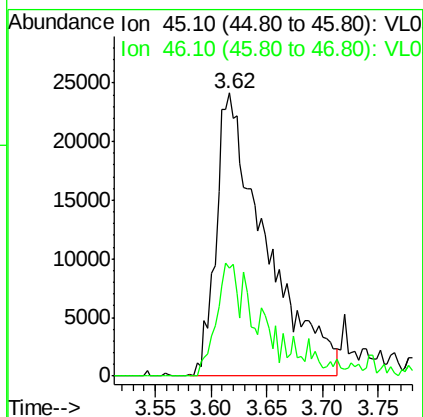
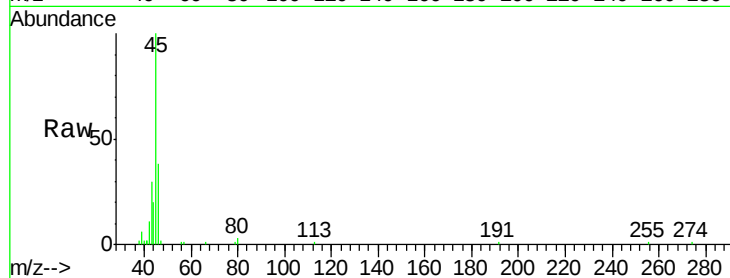
#13
Ethanol
Concen: 7.717 ppbv m
RT: 3.62 min Scan# 258
Delta R.T. 0.01 min
Lab File: VL036127.D
Acq: 9 Dec 2020 12:17

Instrument :
MSVOA_L
ClientSampled :
IA-5DL2

Tot Ion: 45 Resp: 74229
Ion Ratio Lower Upper
45 100
46 38.3 19.0 75.8

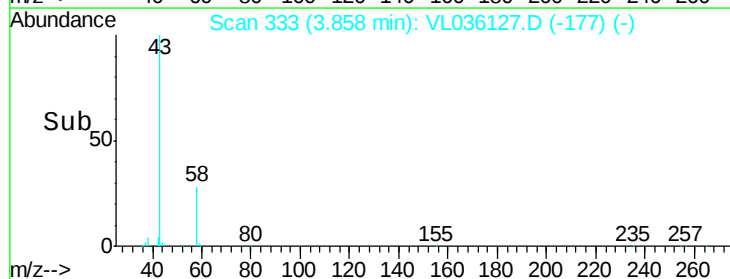
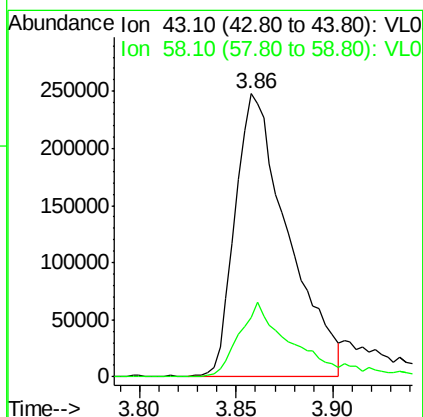
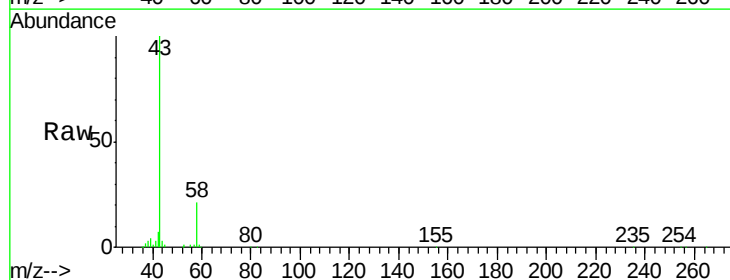
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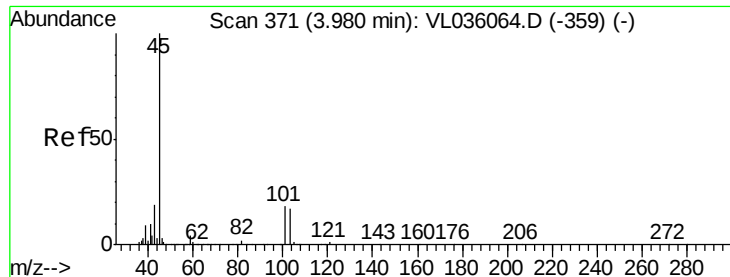
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#15
Acetone
Concen: 3.213 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL036127.D
Acq: 9 Dec 2020 12:17

Tgt Ion: 43 Resp: 471381
Ion Ratio Lower Upper
43 100
58 28.8 20.9 31.3





#19

Isopropyl Alcohol

Concen: 0.740 ppbv m

RT: 4.00 min Scan# 376

Delta R.T. 0.02 min

Lab File: VL036127.D

Acq: 9 Dec 2020 12:17

Instrument :

MSVOA_L

ClientSampled :

IA-5DL2

Tot Ion: 45 Resp: 66389

Ion Ratio Lower Upper

45 100

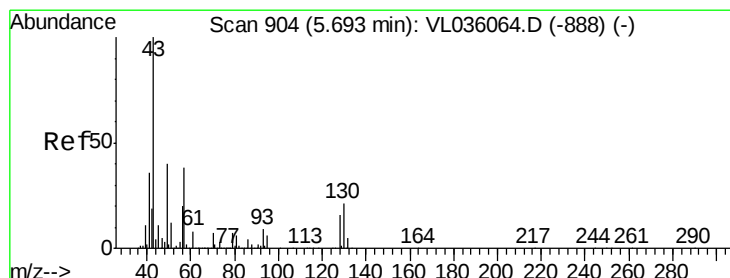
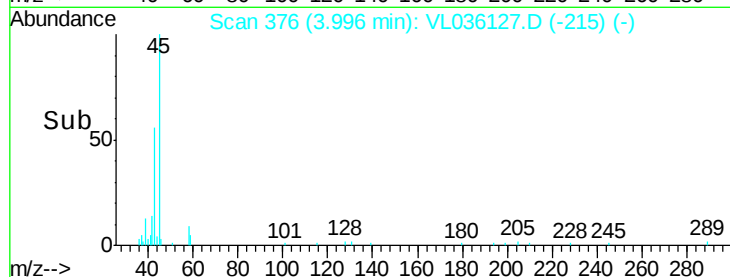
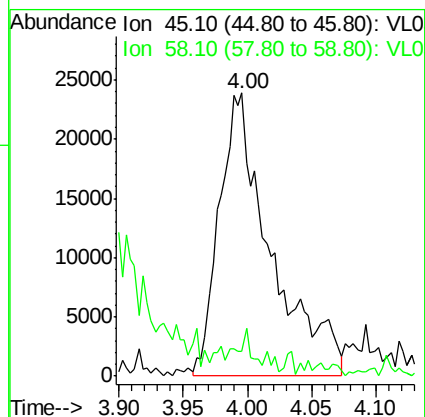
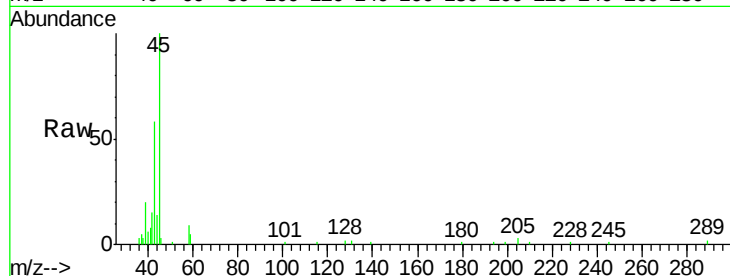
58 0.0 0.0 0.0

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#25

Ethyl Acetate

Concen: 0.275 ppbv m

RT: 5.70 min Scan# 905

Delta R.T. 0.00 min

Lab File: VL036127.D

Acq: 9 Dec 2020 12:17

Tgt Ion: 43 Resp: 80557

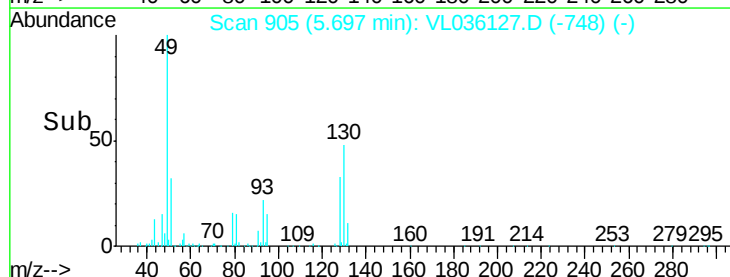
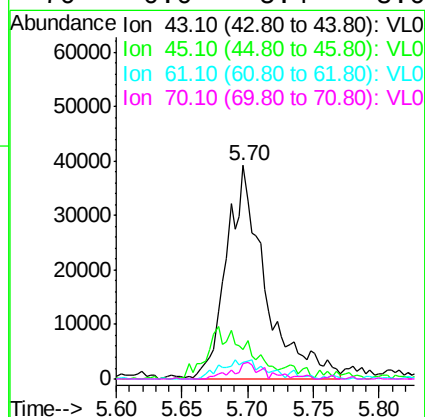
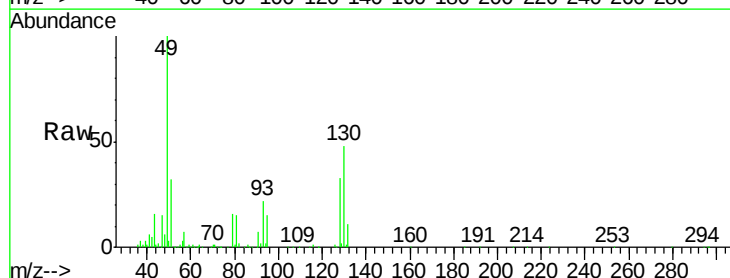
Ion Ratio Lower Upper

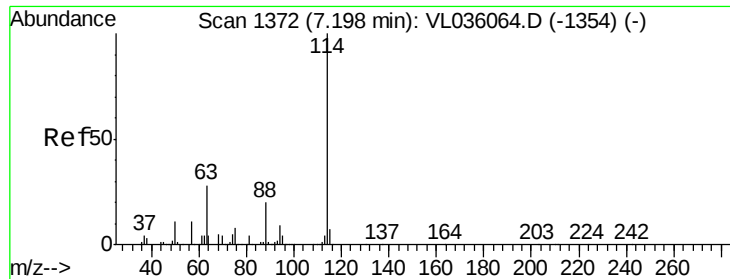
43 100

45 26.1 8.2 12.4#

61 0.0 7.4 11.2#

70 0.0 5.4 8.0#





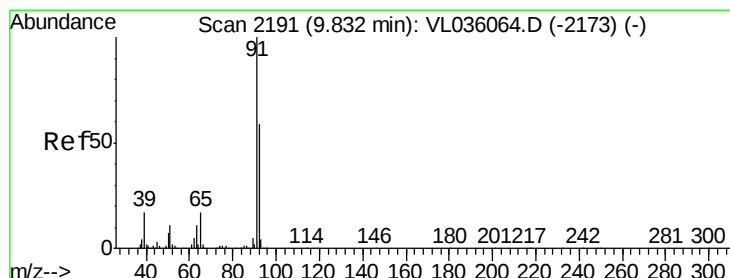
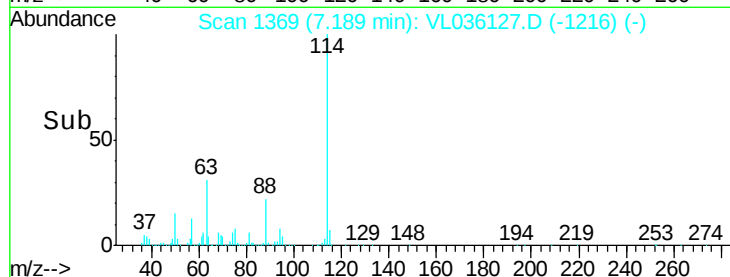
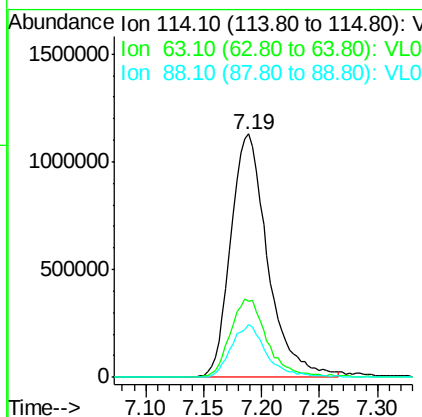
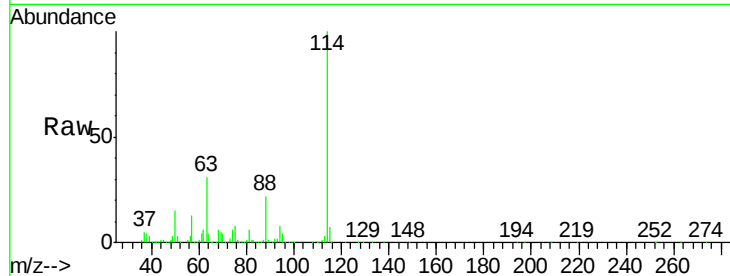
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.01 min
 Lab File: VL036127.D
 Acq: 9 Dec 2020 12:17

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-5DL2

Tot Ion	Ratio	Lower	Upper
114	100		
63	32.9	23.6	35.4
88	20.8	15.8	23.6

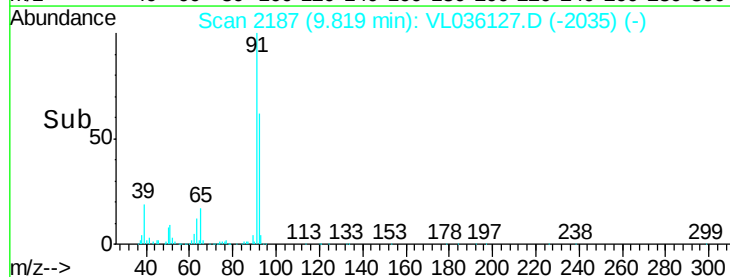
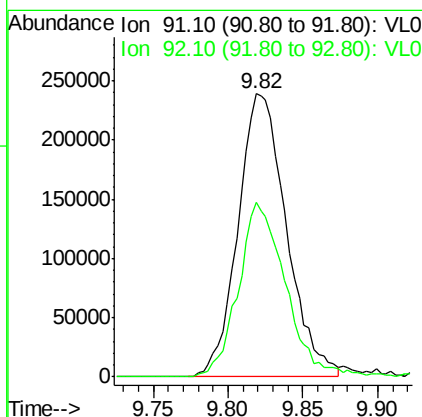
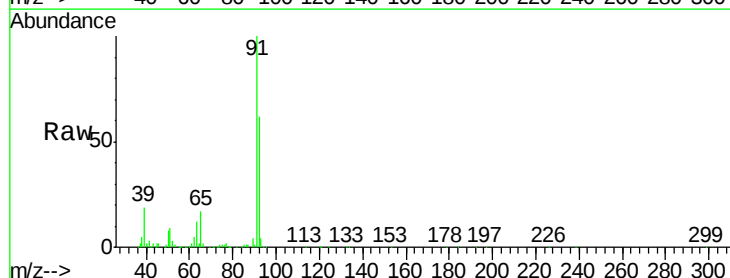
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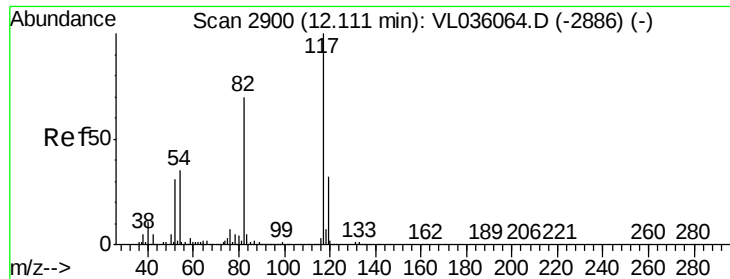
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#53
 Toluene
 Concen: 2.267 ppbv
 RT: 9.82 min Scan# 2187
 Delta R.T. -0.01 min
 Lab File: VL036127.D
 Acq: 9 Dec 2020 12:17

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.2	48.2	72.2





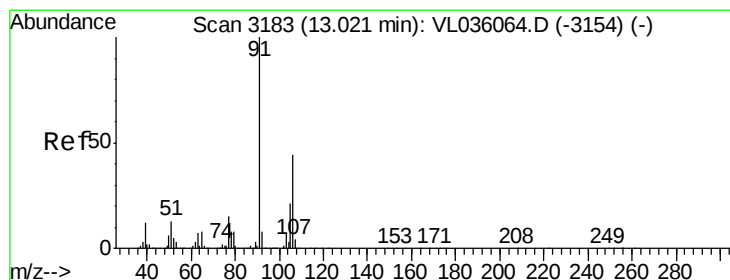
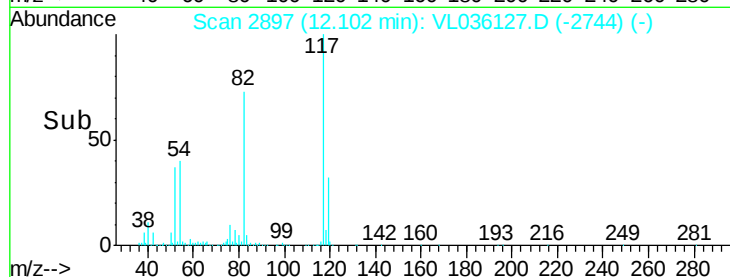
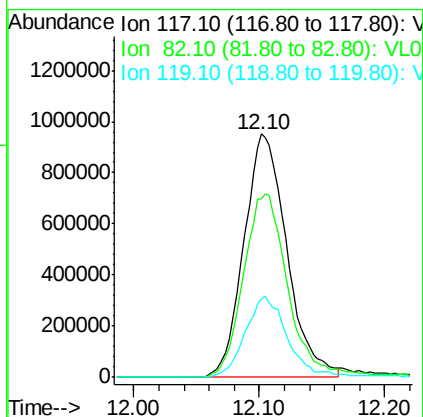
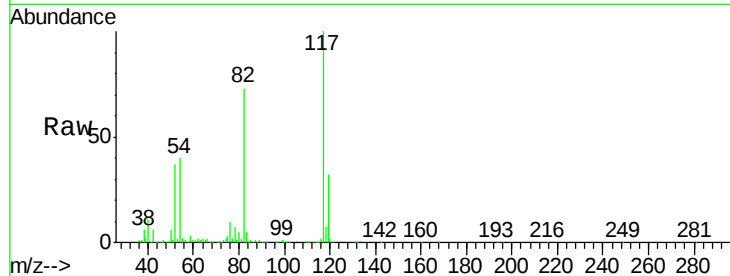
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL036127.D
Acq: 9 Dec 2020 12:17

Instrument :
MSVOA_L
ClientSampleId :
IA-5DL2

Tot Ion:117 Resp: 2264636
Ion Ratio Lower Upper
117 100
82 80.4 0.0 0.0#
119 33.3 0.0 0.0#

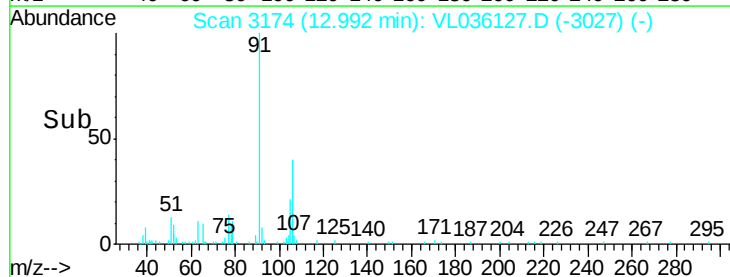
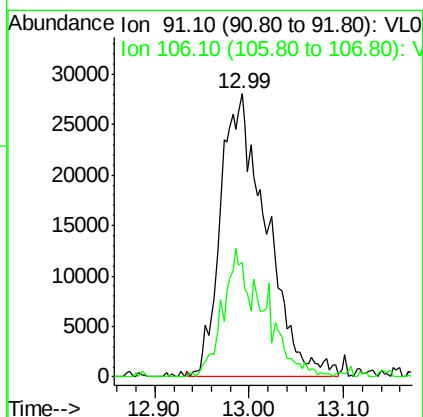
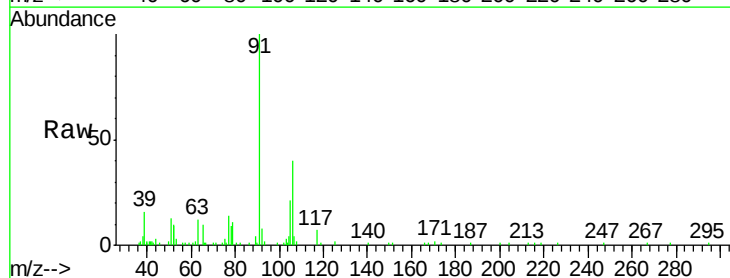
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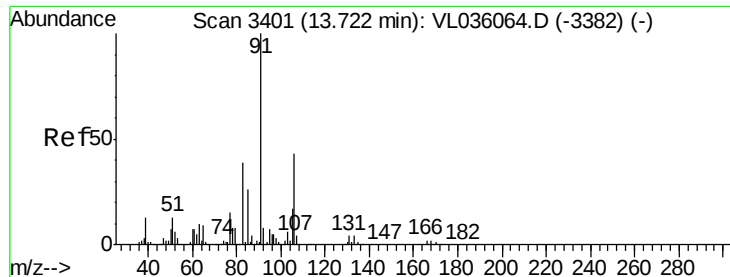
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#59
m/p-Xylene
Concen: 0.362 ppbv m
RT: 12.99 min Scan# 3174
Delta R.T. -0.03 min
Lab File: VL036127.D
Acq: 9 Dec 2020 12:17

Tgt Ion: 91 Resp: 94509
Ion Ratio Lower Upper
91 100
106 0.0 33.6 50.4#





#60

o-Xylene

Concen: 0.136 ppbv m

RT: 13.72 min Scan# 3399

Delta R.T. -0.01 min

Lab File: VL036127.D

Acq: 9 Dec 2020 12:17

Instrument :

MSVOA_L

ClientSampled :

IA-5DL2

Tot Ion: 91 Resp: 33475

Ion Ratio Lower Upper

91 100

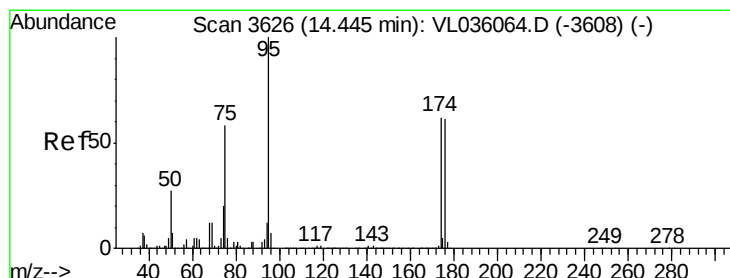
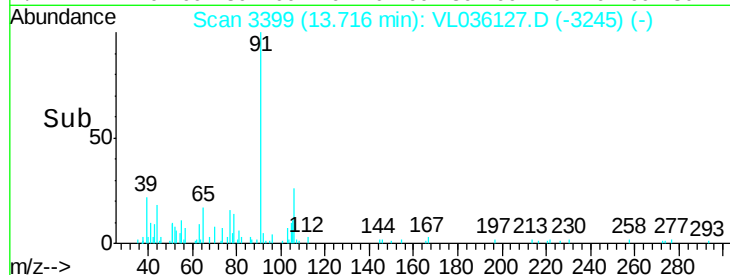
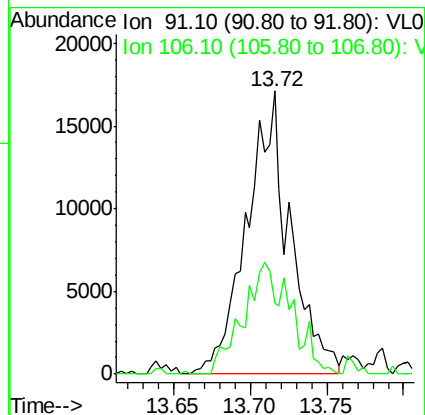
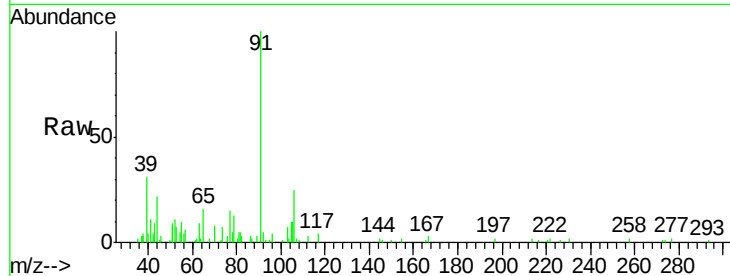
106 44.8 21.6 64.6

Manual Integrations

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.915 ppbv

RT: 14.44 min Scan# 3624

Delta R.T. -0.01 min

Lab File: VL036127.D

Acq: 9 Dec 2020 12:17

Tgt Ion: 95 Resp: 1962806

Ion Ratio Lower Upper

95 100

174 56.7 50.7 76.1

175 4.1 4.0 6.0

