

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
 Data File : VL036167.D
 Acq On : 16 Dec 2020 15:26
 Operator : SY/AP
 Sample : L5082-01DL 40X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Manual Integrations
 APPROVED

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 12/17/2020 3:55:54 PM

Quant Time: Dec 17 06:23:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 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	5.65	49	1343678	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.16	114	2791488	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2499144	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2221520	11.19	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.00	41	11174m	0.145	ppbv	
13) Ethanol	3.61	45	11012m	1.040	ppbv	
15) Acetone	3.84	43	82100m	0.508	ppbv	
20) Methylene Chloride	4.33	84	42745m	0.646	ppbv	
26) Hexane	5.67	57	79439	0.547	ppbv #	37
52) Tetrachloroethene	11.21	164	5605m	0.065	ppbv	

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

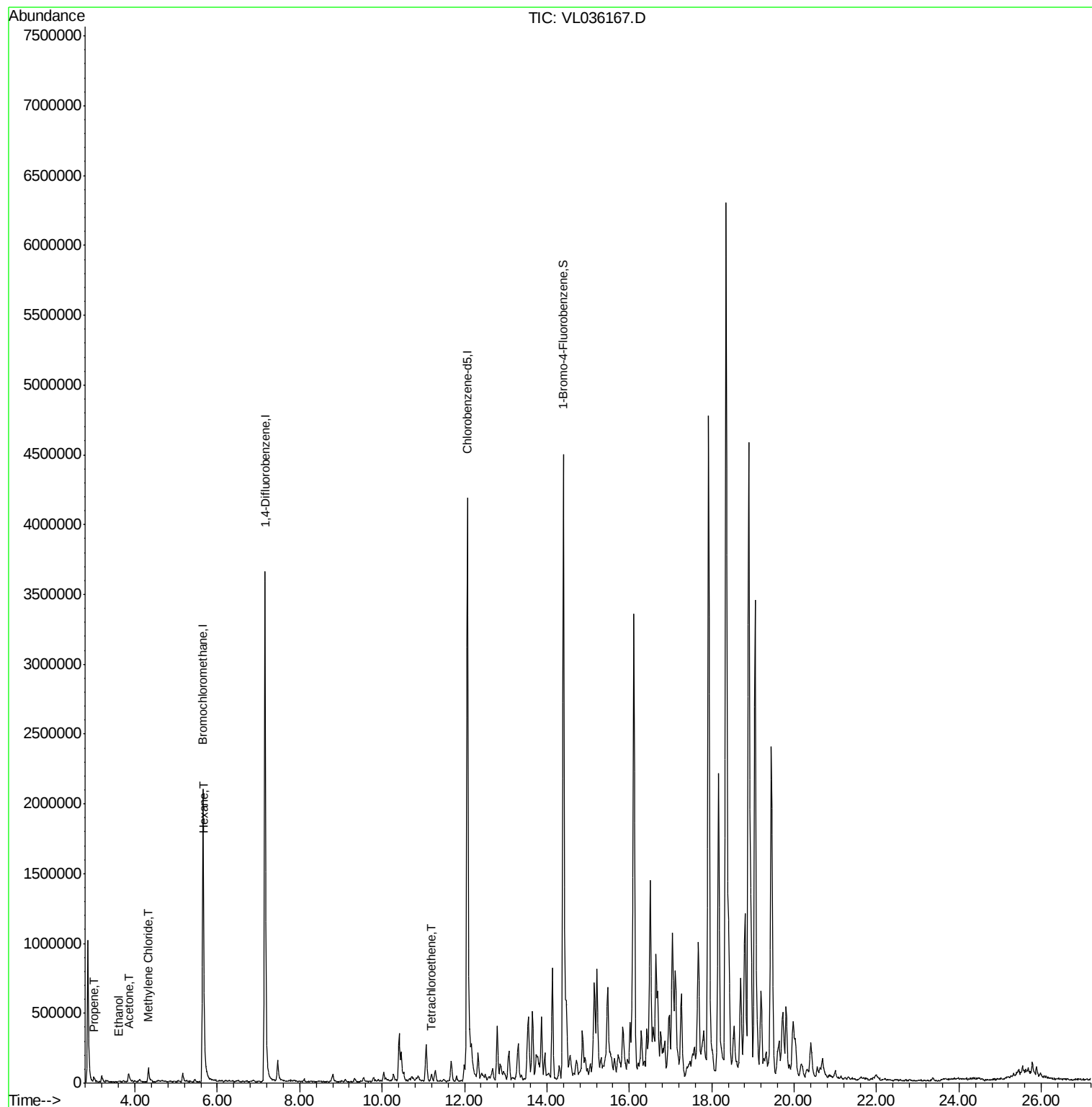
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
Data File : VL036167.D
Acq On : 16 Dec 2020 15:26
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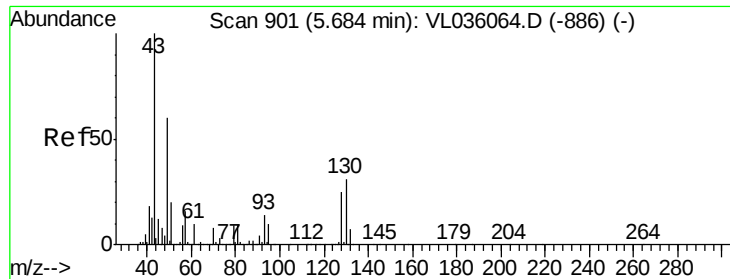
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Manual Integrations
APPROVED

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12/17/2020 3:55:54 PM

Quant Time: Dec 17 06:23:35 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: 5.65 min Scan# 890

Delta R.T. -0.04 min

Lab File: VL036167.D

Acq: 16 Dec 2020 15:26

Instrument :

MSVOA_L

ClientSampled :

SV1DL

Tgt Ion: 49 Resp: 1343678

Ion Ratio Lower Upper

49 100

128 36.8 21.1 63.1

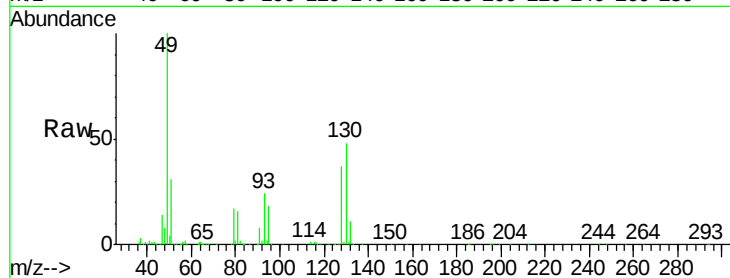
130 46.8 27.1 81.3

Manual Integrations

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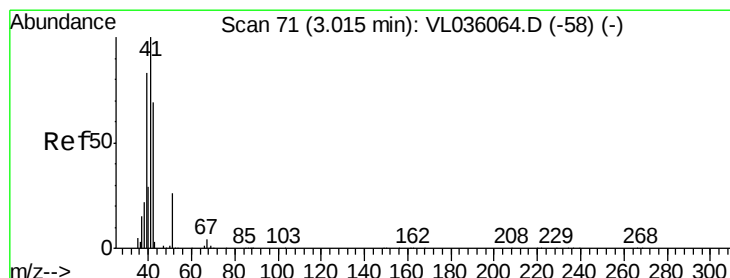
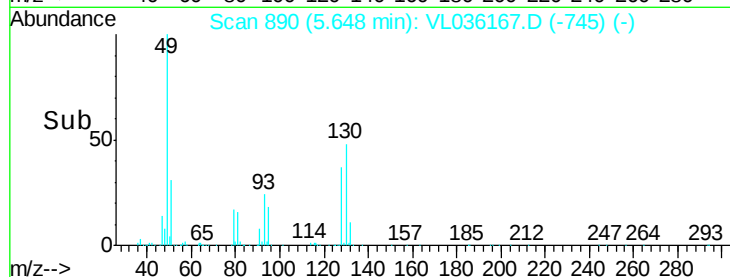
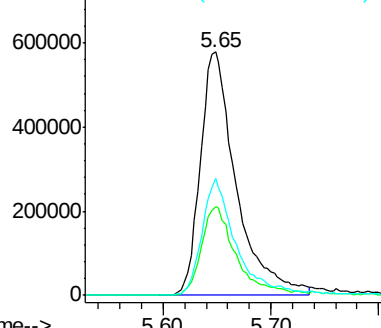
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.145 ppbv m

RT: 3.00 min Scan# 65

Delta R.T. -0.02 min

Lab File: VL036167.D

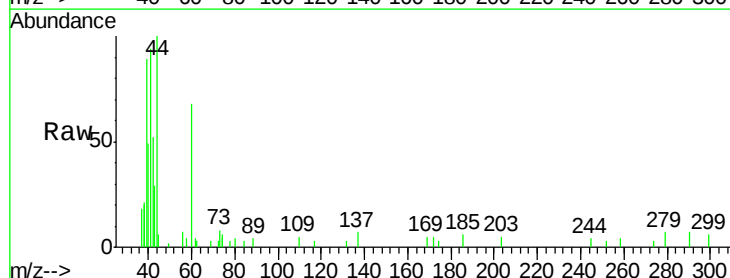
Acq: 16 Dec 2020 15:26

Tgt Ion: 41 Resp: 11174

Ion Ratio Lower Upper

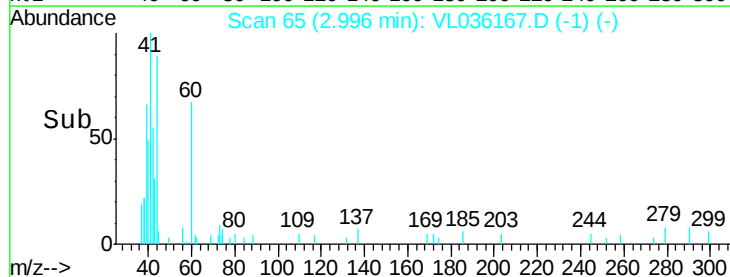
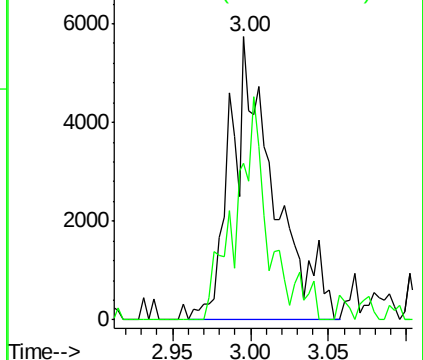
41 100

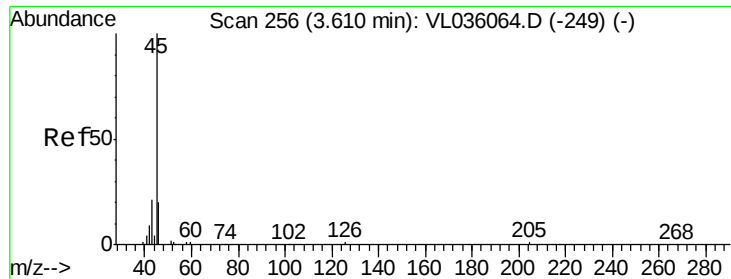
42 0.0 57.0 85.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





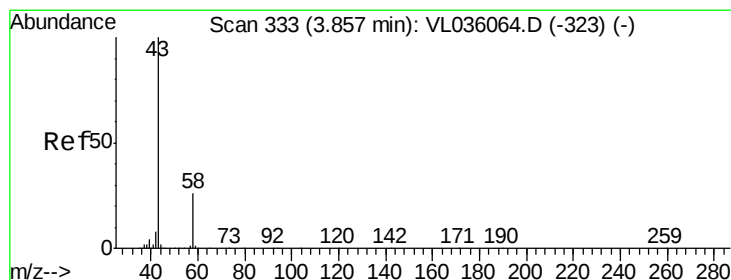
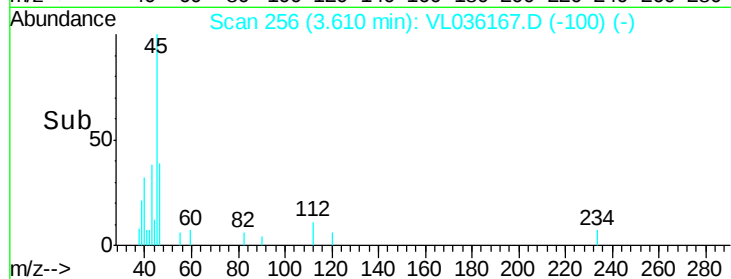
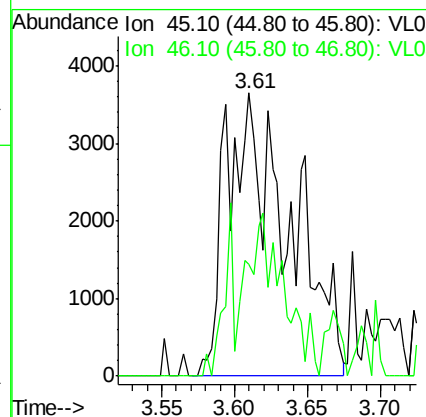
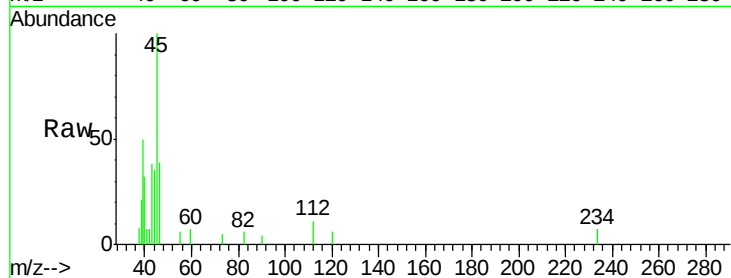
#13
Ethanol
Concen: 1.040 ppbv m
RT: 3.61 min Scan# 256
Delta R.T. 0.00 min
Lab File: VL036167.D
Acq: 16 Dec 2020 15:26

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion: 45 Resp: 11012
Ion Ratio Lower Upper
45 100
46 0.0 19.0 75.8#

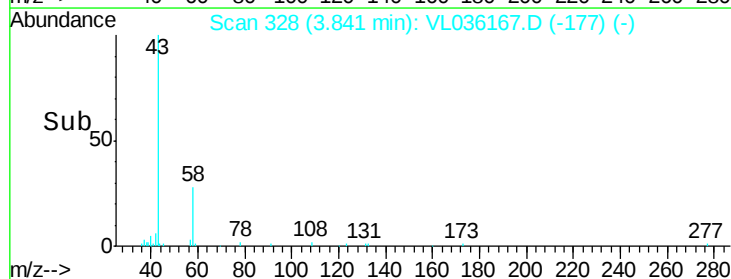
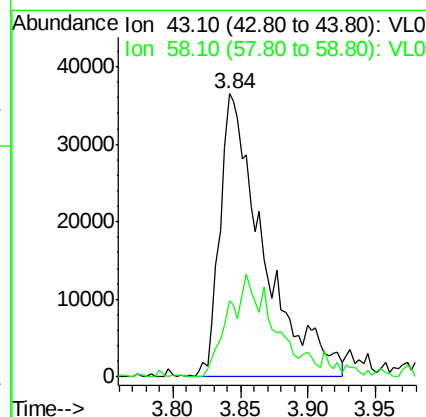
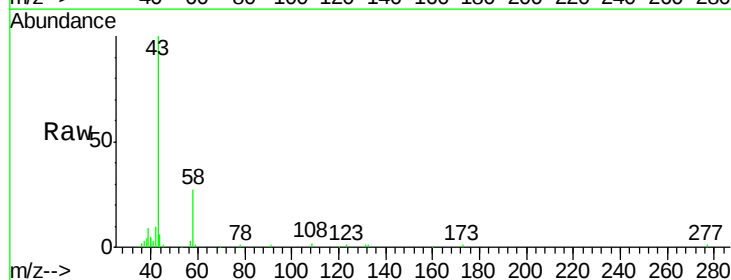
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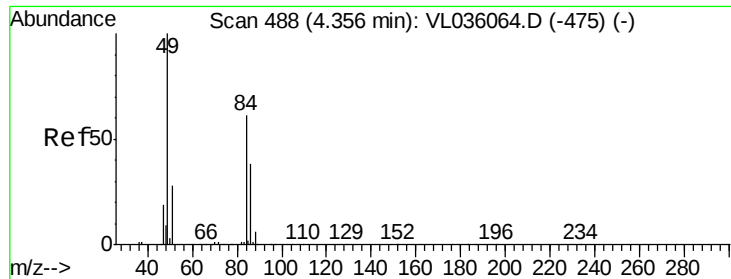
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#15
Acetone
Concen: 0.508 ppbv m
RT: 3.84 min Scan# 328
Delta R.T. -0.02 min
Lab File: VL036167.D
Acq: 16 Dec 2020 15:26

Tgt Ion: 43 Resp: 82100
Ion Ratio Lower Upper
43 100
58 0.0 20.9 31.3#





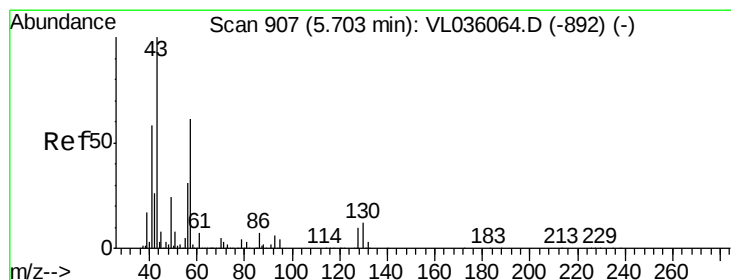
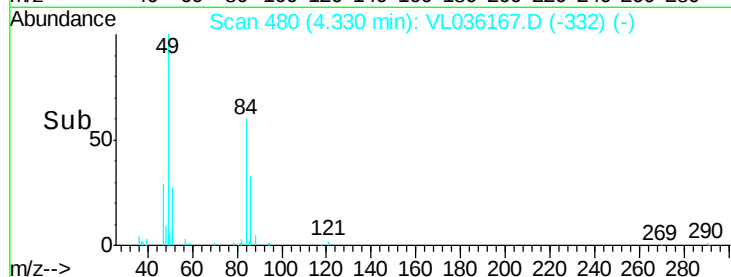
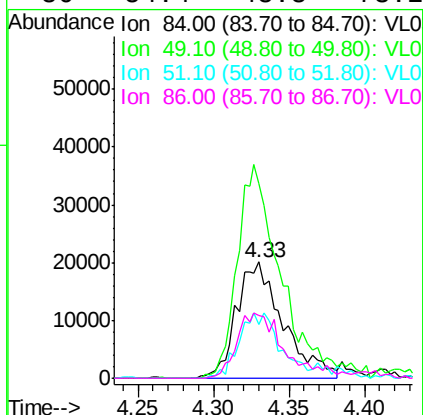
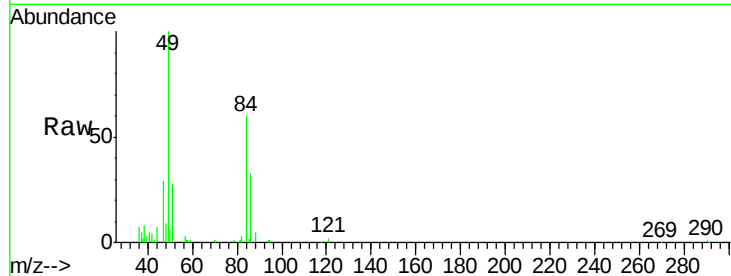
#20
Methylene Chloride
Concen: 0.646 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.03 min
Lab File: VL036167.D
Acq: 16 Dec 2020 15:26

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion	Ratio	Lower	Upper
84	100		
49	167.2	133.0	199.4
51	46.6	38.9	58.3
86	54.4	48.8	73.2

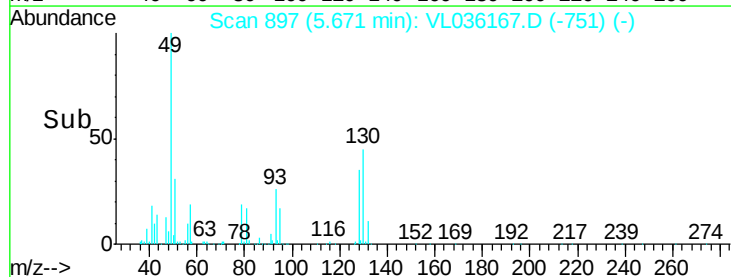
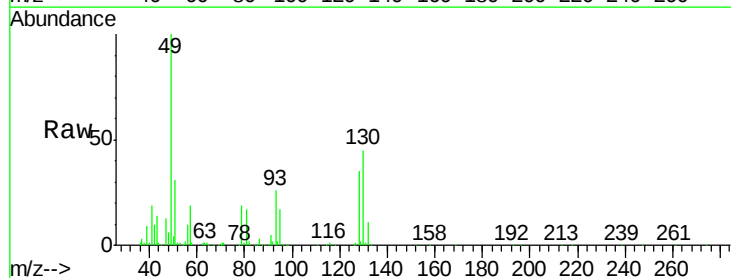
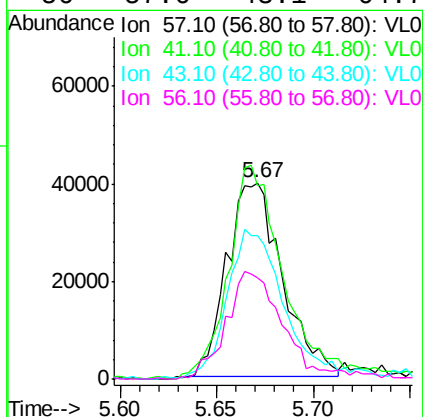
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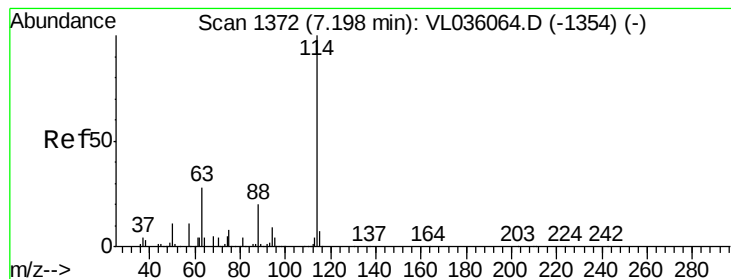
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#26
Hexane
Concen: 0.547 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.03 min
Lab File: VL036167.D
Acq: 16 Dec 2020 15:26

Tgt Ion	Ratio	Lower	Upper
57	100		
41	115.6	82.9	124.3
43	80.8	199.9	299.9#
56	57.6	43.1	64.7





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.04 min

Lab File: VL036167.D

Acq: 16 Dec 2020 15:26

Instrument :

MSVOA_L

ClientSampleId :

SV1DL

Tgt Ion:114 Resp: 2791488

Ion Ratio Lower Upper

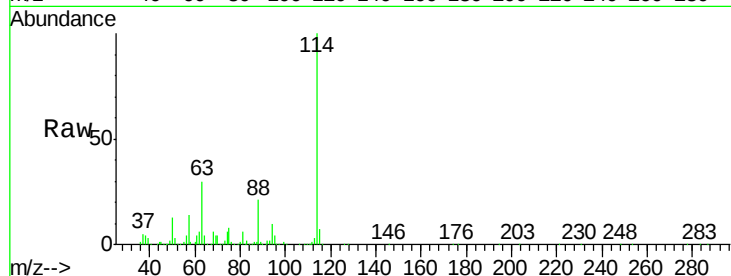
114 100

63 32.0 23.6 35.4

88 21.2 15.8 23.6

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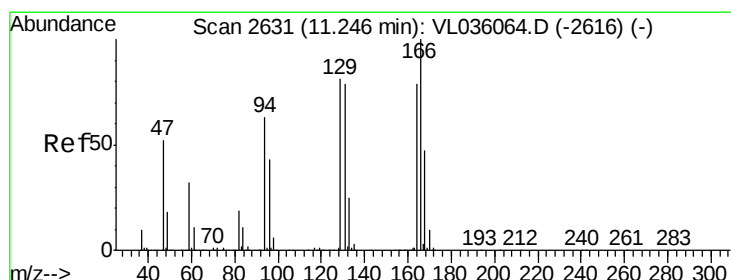
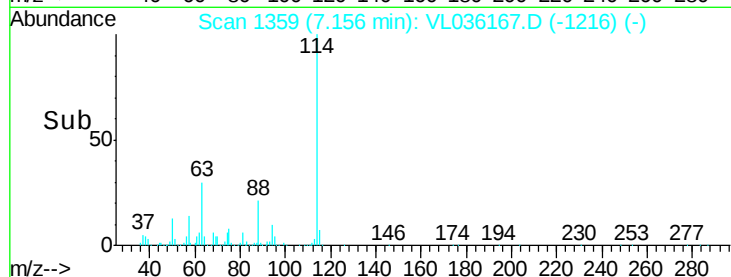
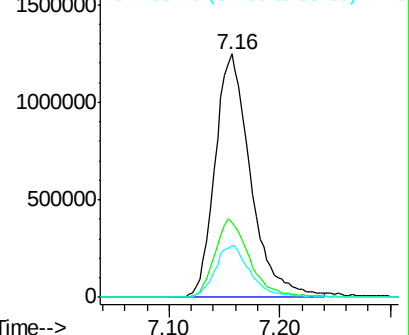
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#52

Tetrachloroethene

Concen: 0.065 ppbv m

RT: 11.21 min Scan# 2619

Delta R.T. -0.04 min

Lab File: VL036167.D

Acq: 16 Dec 2020 15:26

Tgt Ion:164 Resp: 5605

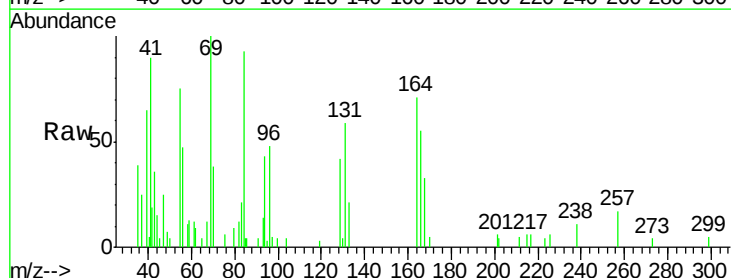
Ion Ratio Lower Upper

164 100

166 77.0 101.9 152.9#

129 59.1 82.1 123.1#

131 82.4 80.8 121.2

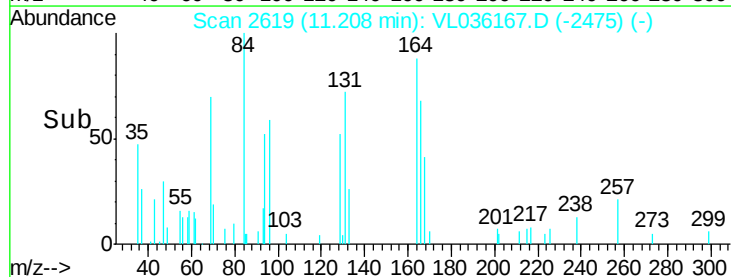
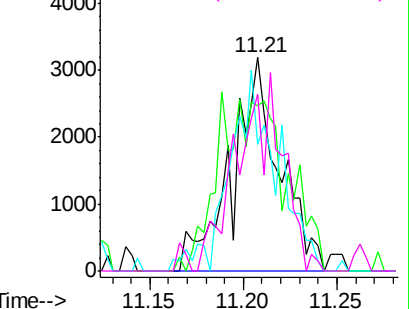


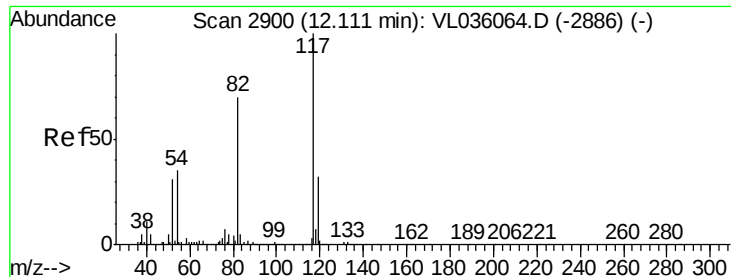
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





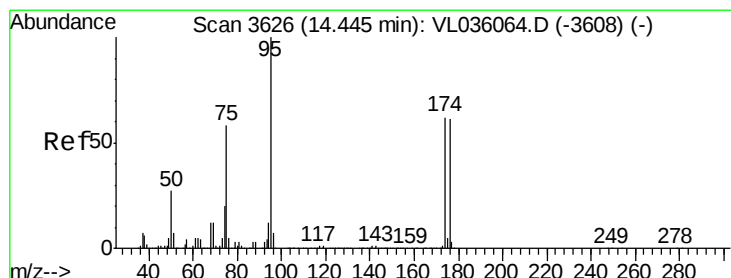
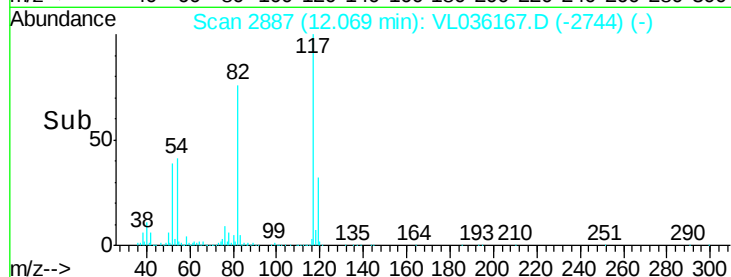
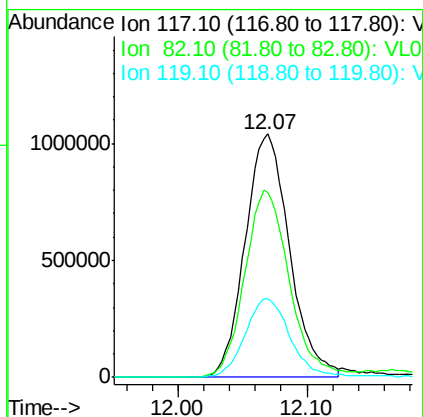
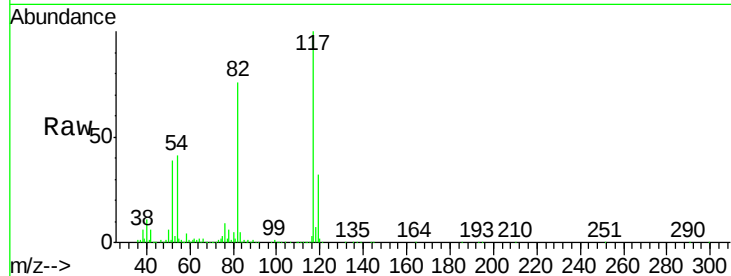
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. -0.04 min
Lab File: VL036167.D
Acq: 16 Dec 2020 15:26

Instrument :
MSVOA_L
ClientSampleId :
SV1DL

Tgt Ion	Ratio	Lower	Upper
117	100		
82	77.0	0.0	0.0#
119	33.6	0.0	0.0#

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 11.195 ppbv
RT: 14.40 min Scan# 3612
Delta R.T. -0.04 min
Lab File: VL036167.D
Acq: 16 Dec 2020 15:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	56.3	50.7	76.1
175	4.1	4.0	6.0

