

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072920\
 Data File : VL035248.D
 Acq On : 29 Jul 2020 16:12
 Operator : SY/AP
 Sample : L3474-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VOA-HALLWAYDL

Manual Integrations
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 7/30/2020 6:11:51 PM

Quant Time: Jul 30 11:51:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 29 2020
 QLast Update : Wed Jul 29 07:14:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1368417	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3169713	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2971628	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2398798	10.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.98	41	27332m	0.518	ppbv	
13) Ethanol	3.58	45	2015919	93.806	ppbv	96
15) Acetone	3.81	43	4805812	26.329	ppbv	95
19) Isopropyl Alcohol	3.95	45	14027925	116.528	ppbv #	96
20) Methylene Chloride	4.32	84	232756	2.801	ppbv	95
26) Hexane	5.68	57	1075105	8.361	ppbv #	42
28) Methyl tert-Butyl Ether	5.02	73	54121	0.294	ppbv	92
29) Chloroform	5.74	83	393573	1.825	ppbv	95
53) Toluene	9.83	91	72656m	0.310	ppbv	

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

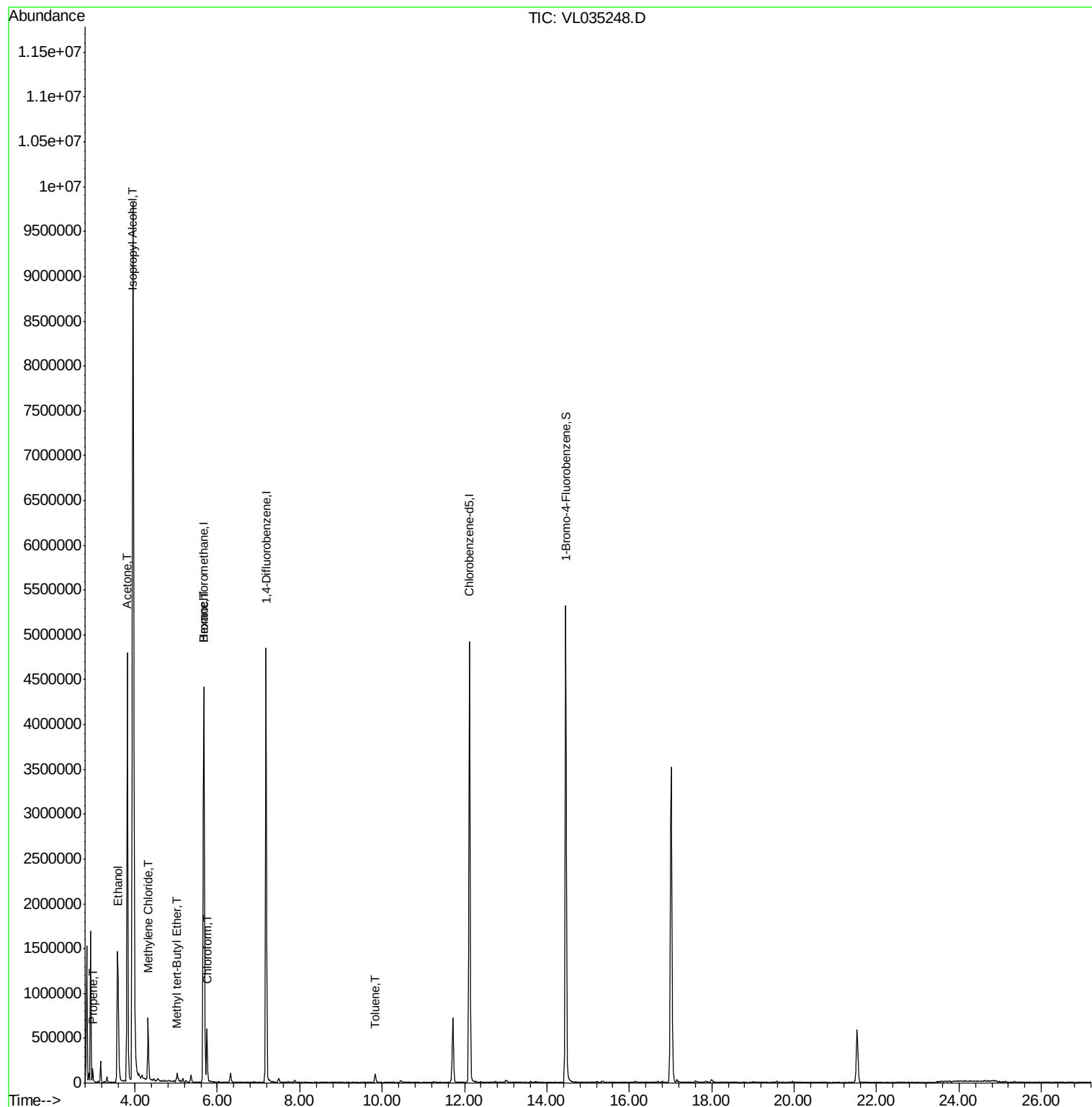
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL072920\
Data File : VL035248.D
Acq On : 29 Jul 2020 16:12
Operator : SY/AP
Sample : L3474-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

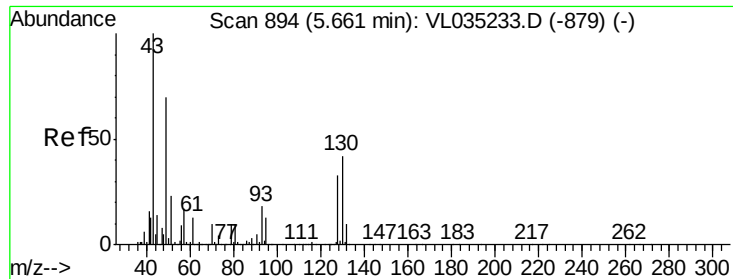
Instrument :
MSVOA_L
ClientSampleId :
VOA-HALLWAYDL

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Quant Time: Jul 30 11:51:20 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL072920AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul
QLast Update : Wed Jul 29 07:14:29 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

Lab File: VL035248.D

Acq: 29 Jul 2020 16:12

Instrument :

MSVOA_L

ClientSampleId :

VOA-HALLWAYDL

Tot Ion: 49 Resp: 1368417

Ion Ratio Lower Upper

49 100

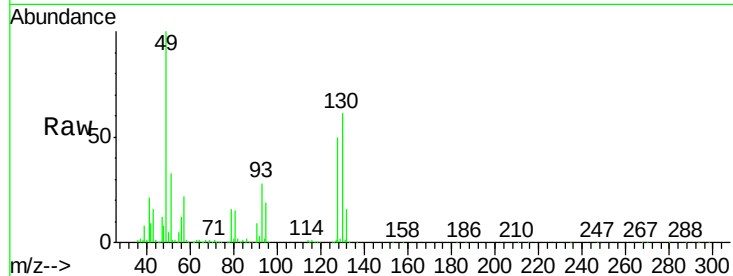
128 48.6 24.0 72.0

130 62.8 30.7 92.1

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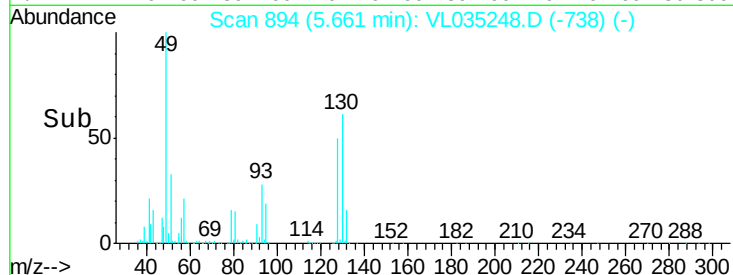


Abundance Ion 49.10 (48.80 to 49.80): VL0

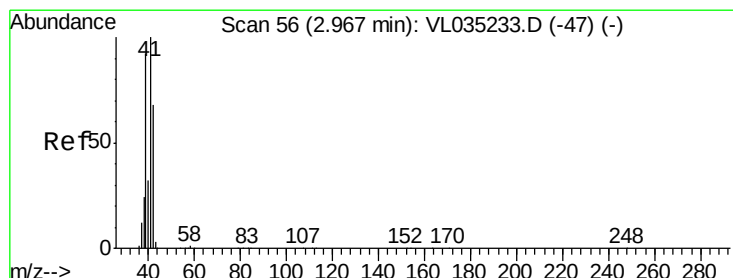
Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

Time-->



Time-->



#9

Propene

Concen: 0.518 ppbv m

RT: 2.98 min Scan# 60

Delta R.T. 0.01 min

Lab File: VL035248.D

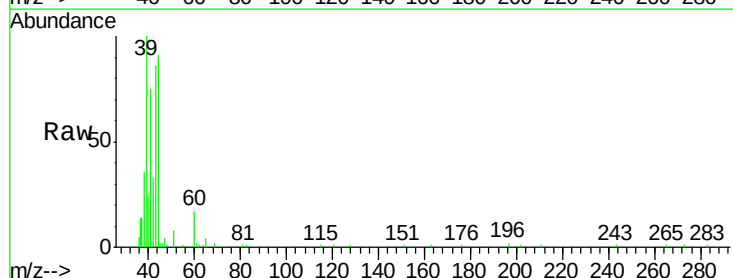
Acq: 29 Jul 2020 16:12

Tgt Ion: 41 Resp: 27332

Ion Ratio Lower Upper

41 100

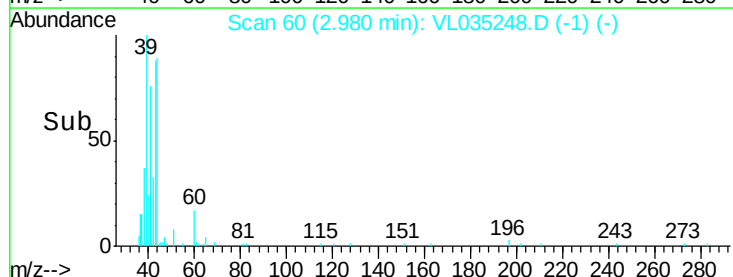
42 154.1 55.0 82.6#



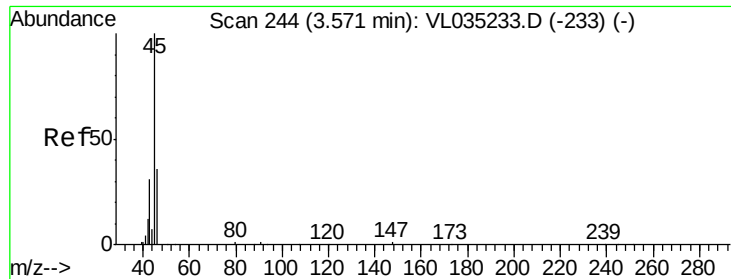
Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Time-->



Time-->



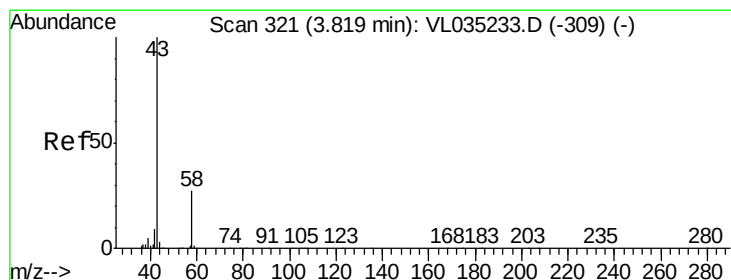
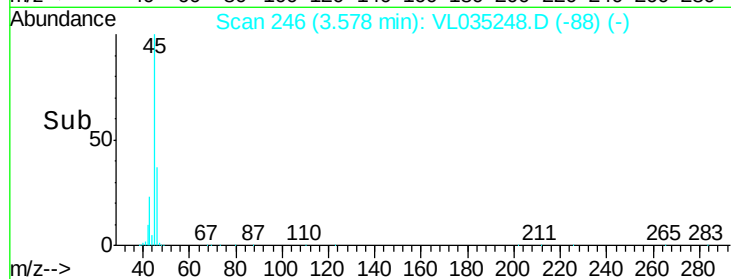
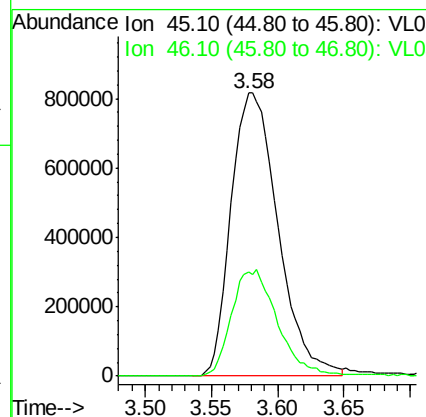
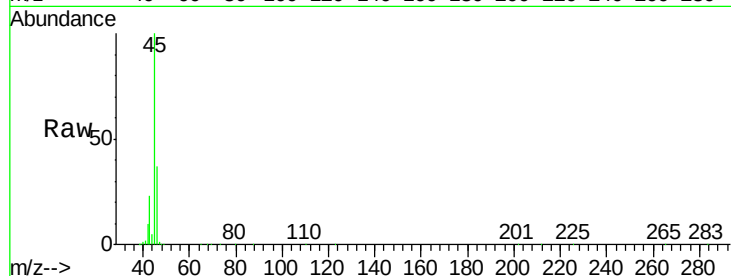
#13
Ethanol
Concen: 93.806 ppbv
RT: 3.58 min Scan# 246
Delta R.T. 0.01 min
Lab File: VL035248.D
Acq: 29 Jul 2020 16:12

Instrument :
MSVOA_L
ClientSampleId :
VOA-HALLWAYDL

Tot Ion: 45 Resp: 2015919
Ion Ratio Lower Upper
45 100
46 37.3 15.8 63.4

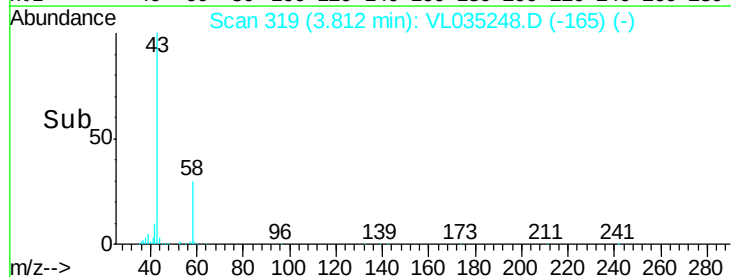
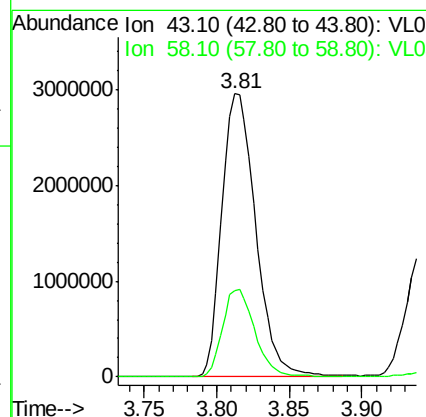
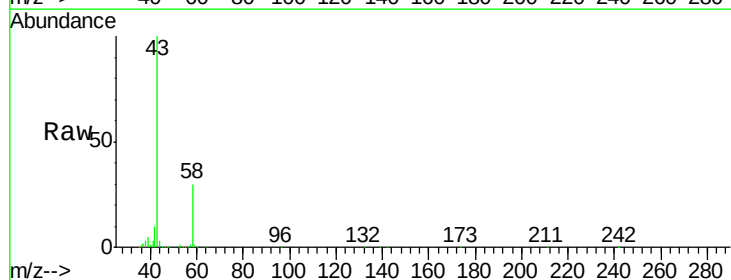
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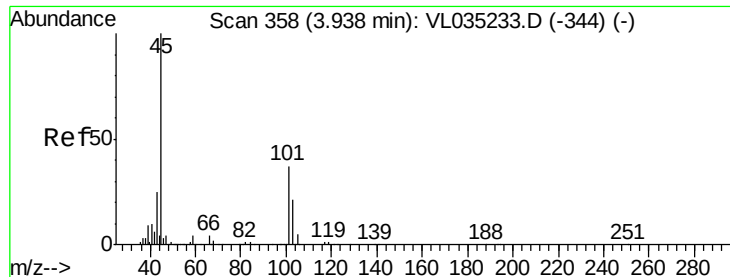
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#15
Acetone
Concen: 26.329 ppbv
RT: 3.81 min Scan# 319
Delta R.T. -0.01 min
Lab File: VL035248.D
Acq: 29 Jul 2020 16:12

Tgt Ion: 43 Resp: 4805812
Ion Ratio Lower Upper
43 100
58 29.6 21.8 32.6





#19

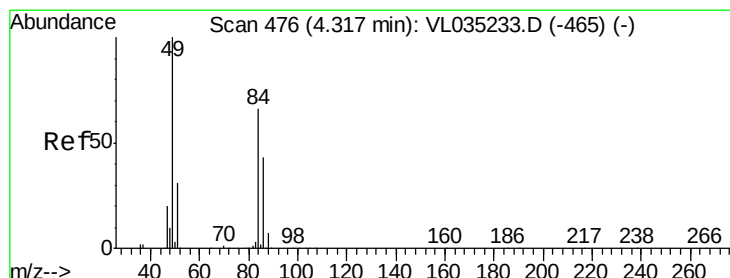
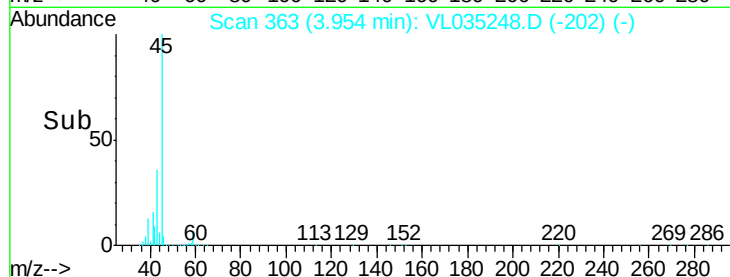
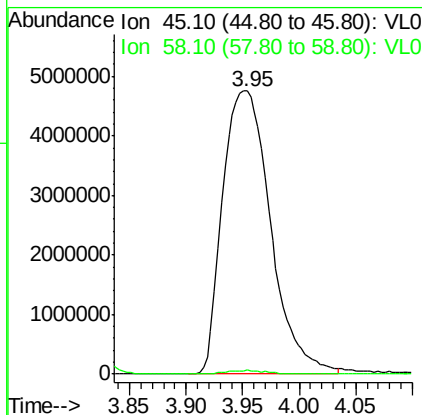
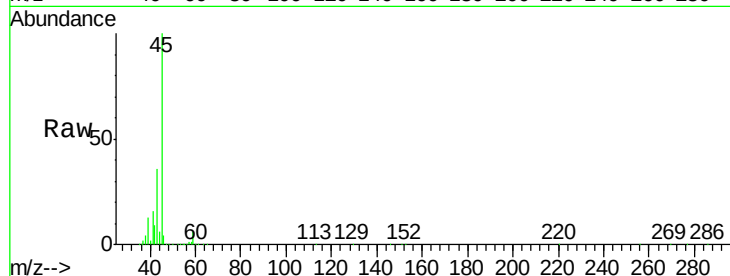
Isopropyl Alcohol
 Concen: 116.528 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.02 min
 Lab File: VL035248.D
 Acq: 29 Jul 2020 16:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VOA-HALLWAYDL

Tot Ion: 45 Resp: 14027925
 Ion Ratio Lower Upper
 45 100
 58 1.1 1.9 2.9#

Manual Integrations
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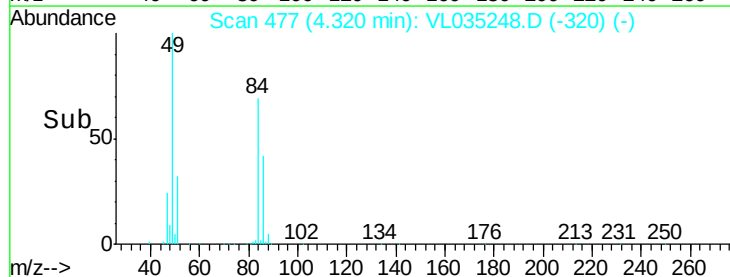
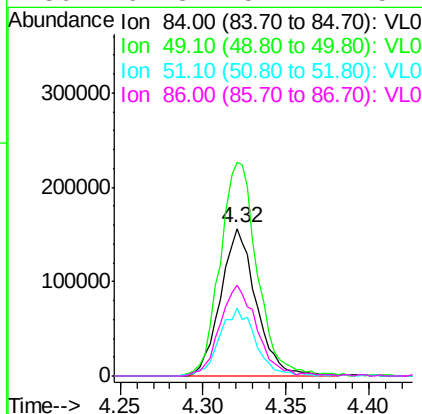
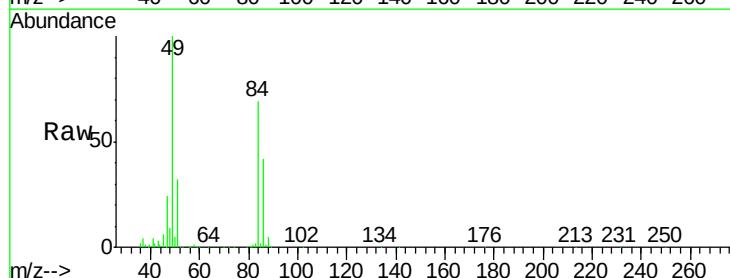
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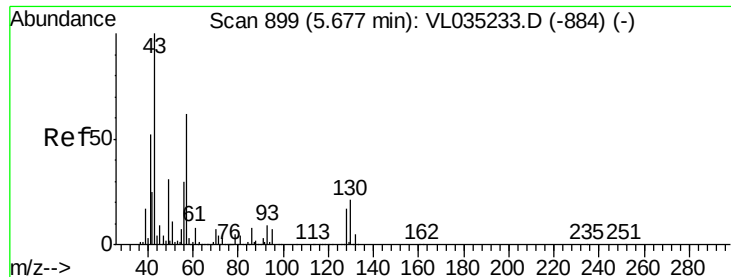


#20

Methylene Chloride
 Concen: 2.801 ppbv
 RT: 4.32 min Scan# 477
 Delta R.T. 0.00 min
 Lab File: VL035248.D
 Acq: 29 Jul 2020 16:12

Tgt Ion: 84 Resp: 232756
 Ion Ratio Lower Upper
 84 100
 49 144.3 121.0 181.4
 51 46.2 37.7 56.5
 86 61.3 52.2 78.4





#26

Hexane

Concen: 8.361 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.00 min

Lab File: VL035248.D

Acq: 29 Jul 2020 16:12

Instrument :

MSVOA_L

ClientSampleId :

VOA-HALLWAYDL

Tot Ion: 57 Resp: 1075105

Ion Ratio Lower Upper

57 100

41 87.7 73.9 110.9

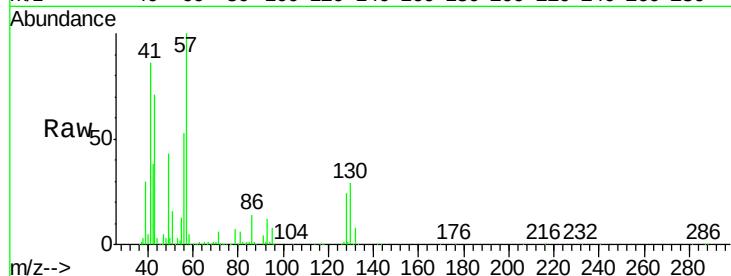
43 70.1 177.6 266.4#

56 54.1 43.0 64.4

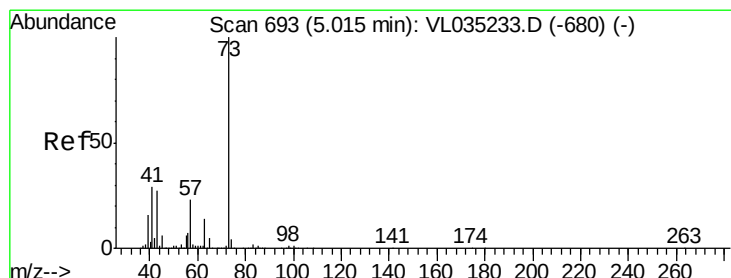
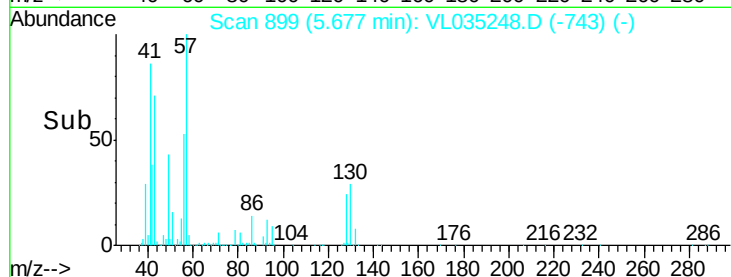
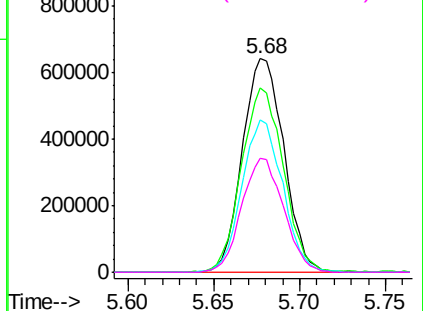
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Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



#28

Methyl tert-Butyl Ether

Concen: 0.294 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.01 min

Lab File: VL035248.D

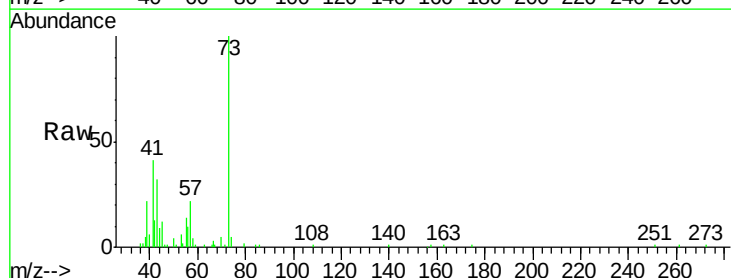
Acq: 29 Jul 2020 16:12

Tgt Ion: 73 Resp: 54121

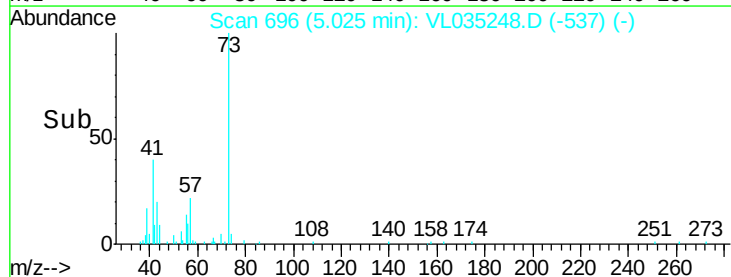
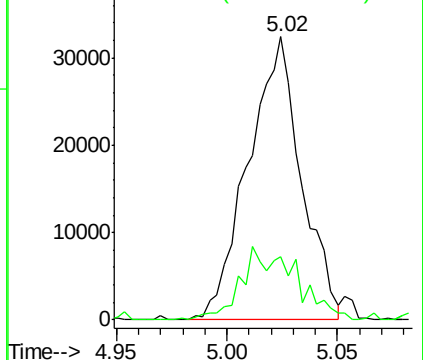
Ion Ratio Lower Upper

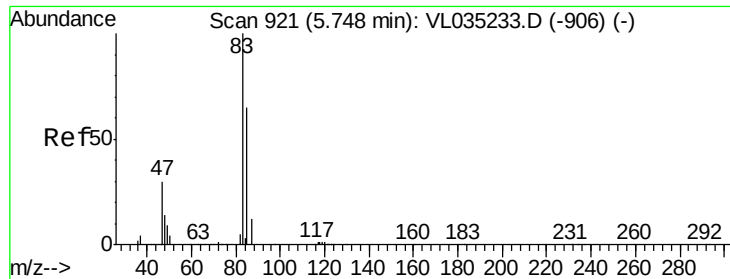
73 100

57 26.8 18.2 27.4



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 1.825 ppbv

RT: 5.74 min Scan# 920

Delta R.T. -0.00 min

Lab File: VL035248.D

Acq: 29 Jul 2020 16:12

Instrument :

MSVOA_L

ClientSampleId :

VOA-HALLWAYDL

Tot Ion: 83 Resp: 393573

Ion Ratio Lower Upper

83 100

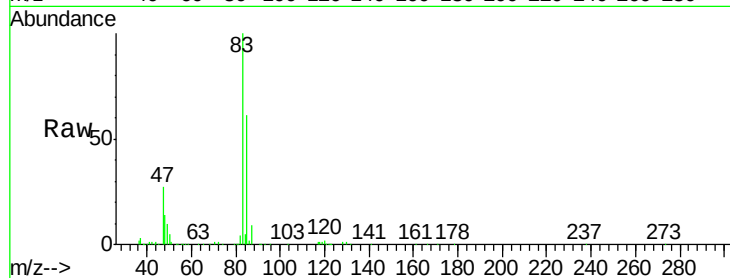
85 61.0 51.7 77.5

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Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

250000

200000

150000

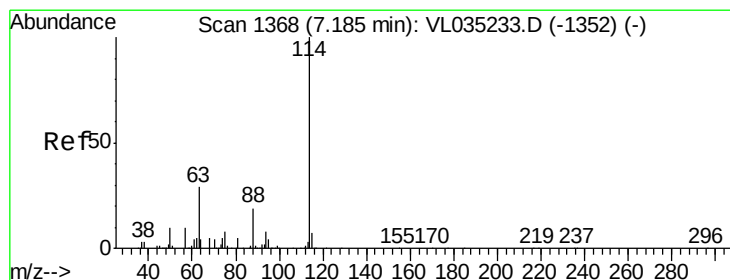
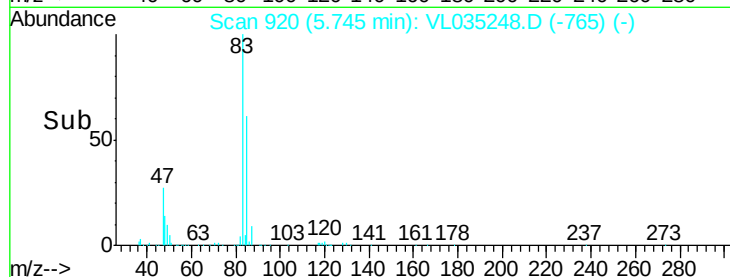
100000

50000

0

5.65 5.70 5.75 5.80

Time-->



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.00 min

Lab File: VL035248.D

Acq: 29 Jul 2020 16:12

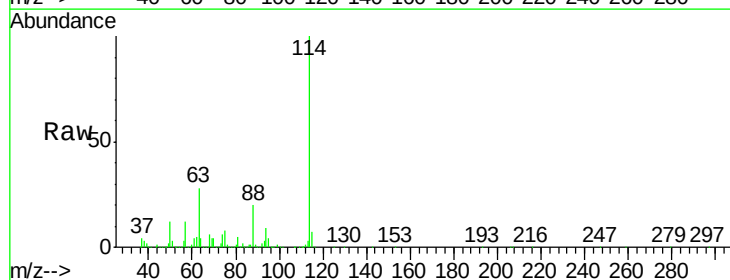
Tgt Ion: 114 Resp: 3169713

Ion Ratio Lower Upper

114 100

63 27.4 22.2 33.2

88 19.6 15.4 23.0



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

2000000

1500000

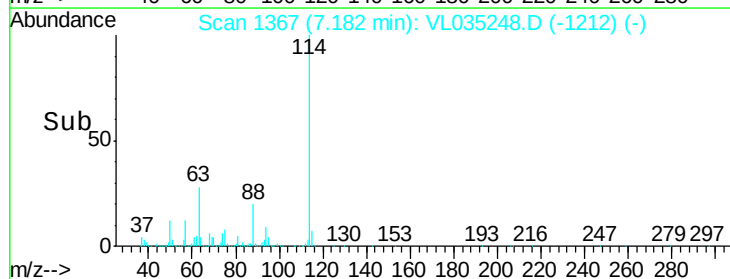
1000000

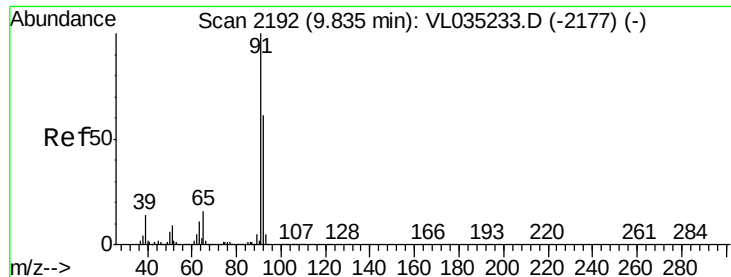
500000

0

7.10 7.15 7.20 7.25

Time-->





#53

Toluene

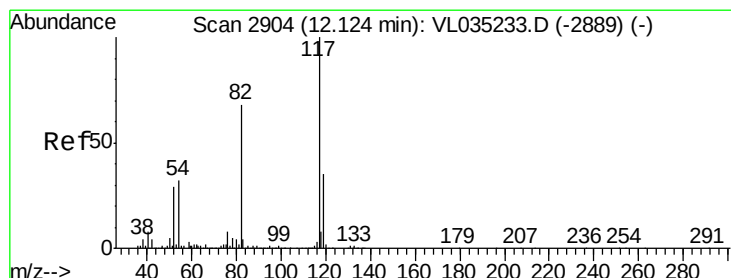
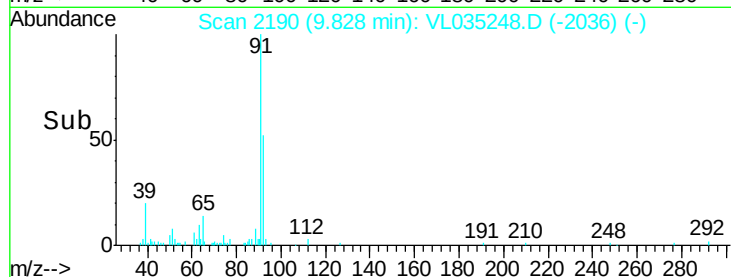
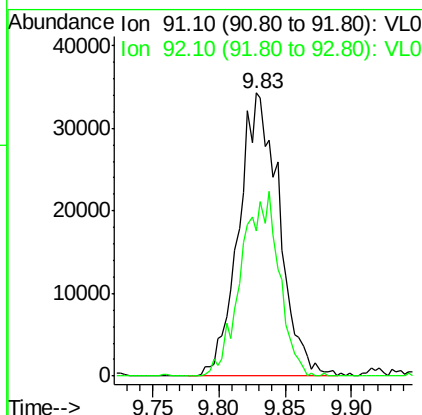
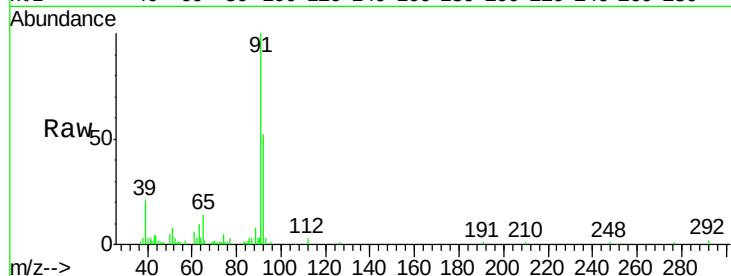
Concen: 0.310 ppbv m
RT: 9.83 min Scan# 2190
Delta R.T. -0.01 min
Lab File: VL035248.D
Acq: 29 Jul 2020 16:12

Instrument :
MSVOA_L
ClientSampleId :
VOA-HALLWAYDL

Tot Ion	Ratio	Lower	Upper
91	100		
92	60.8	48.5	72.7

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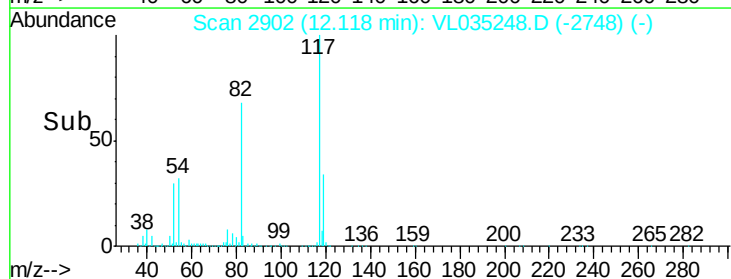
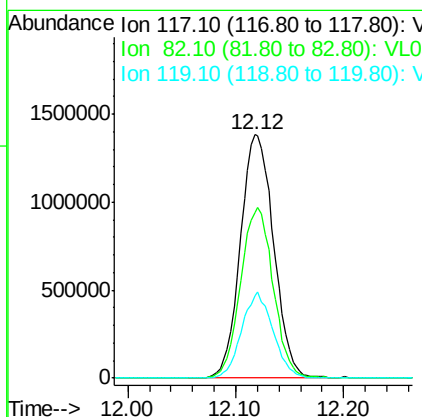
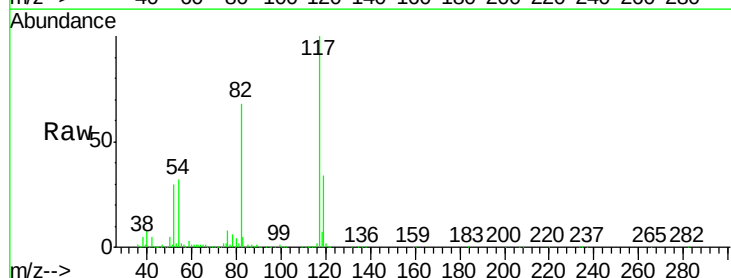


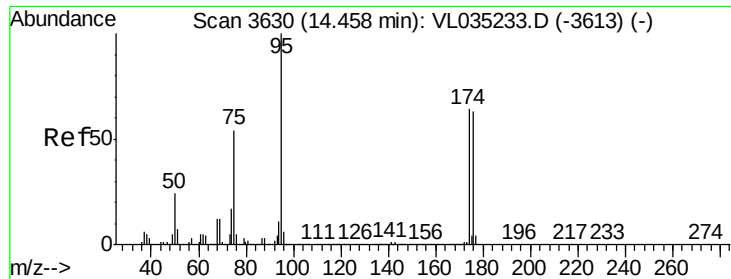
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.01 min
Lab File: VL035248.D
Acq: 29 Jul 2020 16:12

Tgt Ion	Ratio	Lower	Upper
117	100		
82	68.7	52.4	78.6
119	33.5	24.6	36.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.102 ppbv
 RT: 14.46 min Scan# 3630
 Delta R.T. 0.00 min
 Lab File: VL035248.D
 Acq: 29 Jul 2020 16:12

Instrument :
 MSVOA_L
 ClientSampleId :
 VOA-HALLWAYDL

Tot Ion	Ion	Ratio	Lower	Upper
95	100			
174	64.9	52.7	79.1	
175	4.9	3.9	5.9	

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