

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073020\
 Data File : VL035287.D
 Acq On : 30 Jul 2020 20:02
 Operator : SY/AP
 Sample : OC CAN 10443
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC CAN 10443

Quant Time: Jul 31 05:07:31 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 07:14:29 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	5.67	49	1049891	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2588397	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2342307	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1938226	10.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.60%

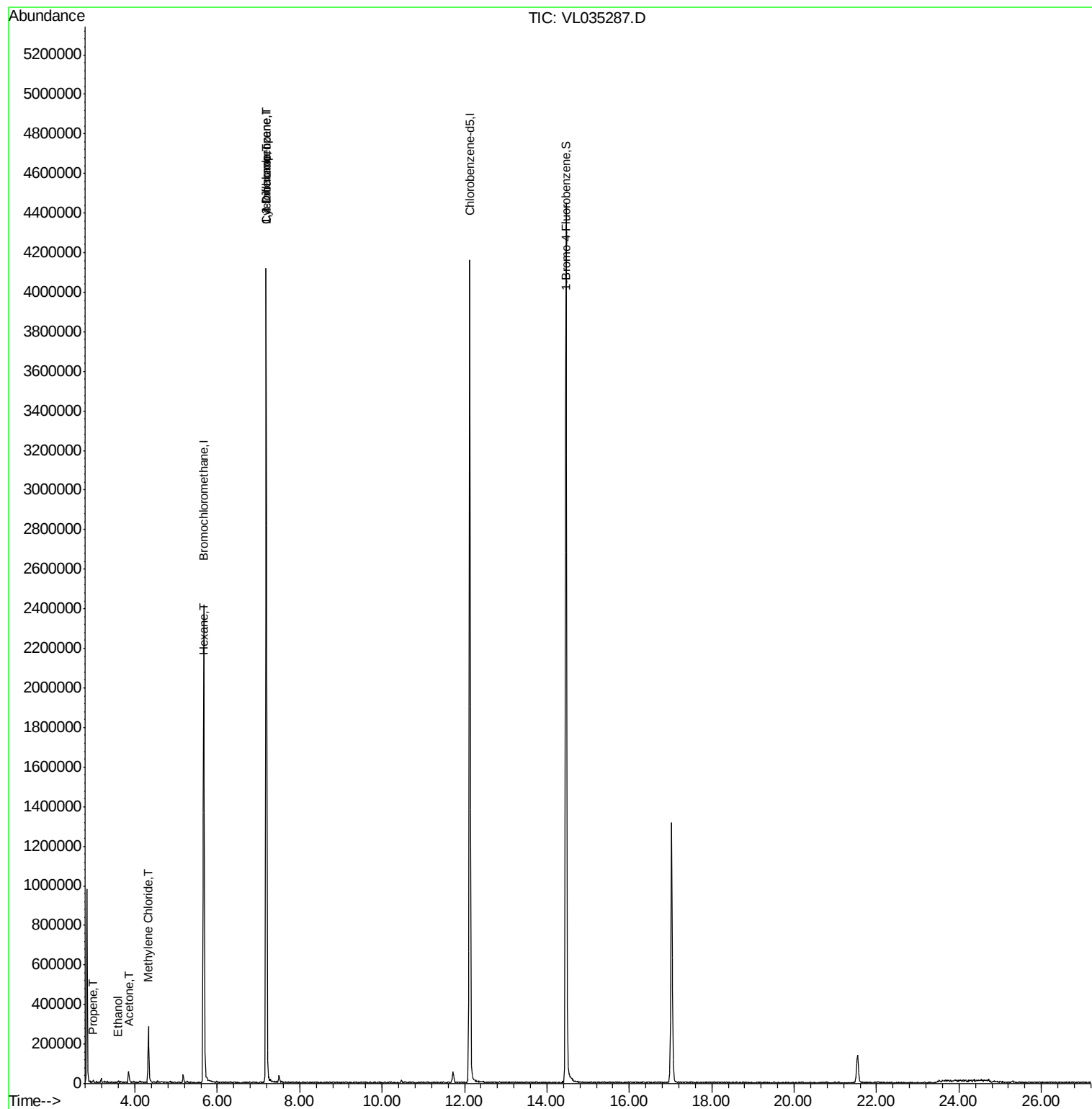
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	2563	0.063	ppbv	97
13) Ethanol	3.58	45	640	0.039	ppbv #	36
15) Acetone	3.84	43	49270	0.352	ppbv #	63
20) Methylene Chloride	4.32	84	94457	1.482	ppbv	84
26) Hexane	5.68	57	10756	0.109	ppbv #	27
30) Cyclohexane	7.18	84	8208	0.116	ppbv #	1
39) 1,2-Dichloropropane	7.19	63	712155	9.922	ppbv #	23

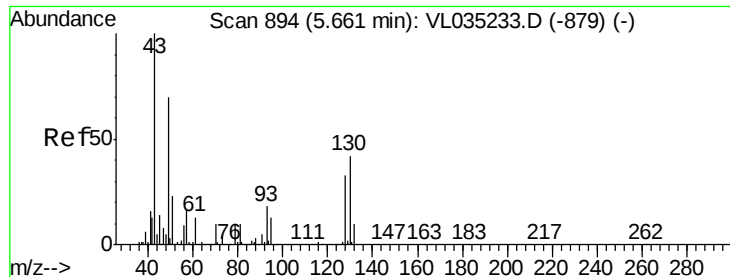
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.01 min

Lab File: VL035287.D

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Instrument :

MSVOA_L

ClientSampleId :

QC CAN 10443

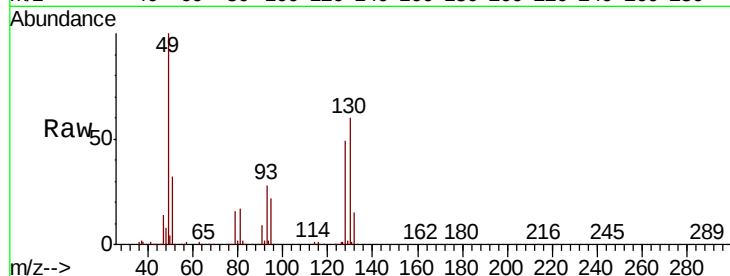
Tot Ion: 49 Resp: 1049891

Ion Ratio Lower Upper

49 100

128 50.2 24.0 72.0

130 63.0 30.7 92.1



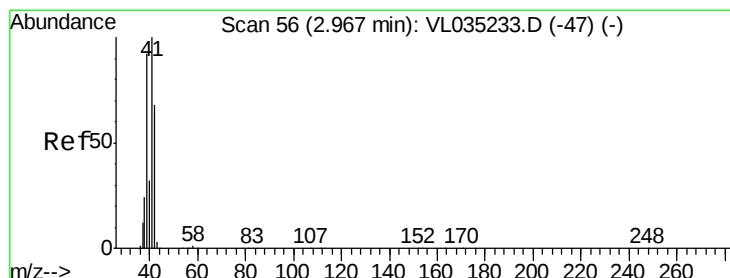
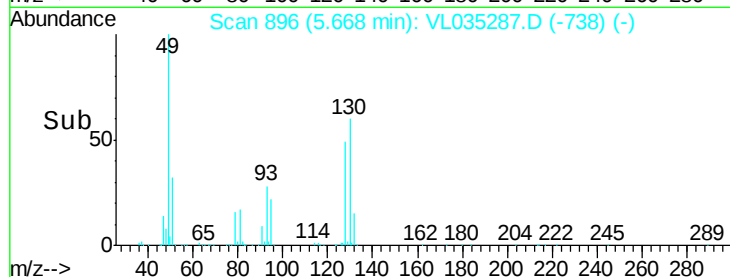
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.67

Time-->



#9

Propene

Concen: 0.063 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.02 min

Lab File: VL035287.D

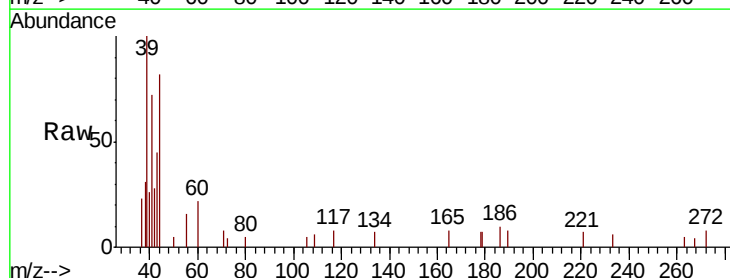
Acq: 30 Jul 2020 20:02

Tgt Ion: 41 Resp: 2563

Ion Ratio Lower Upper

41 100

42 66.8 55.0 82.6

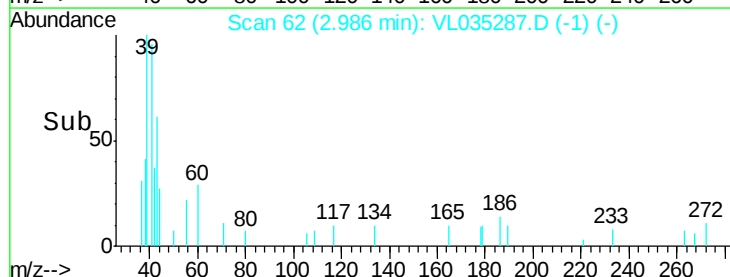


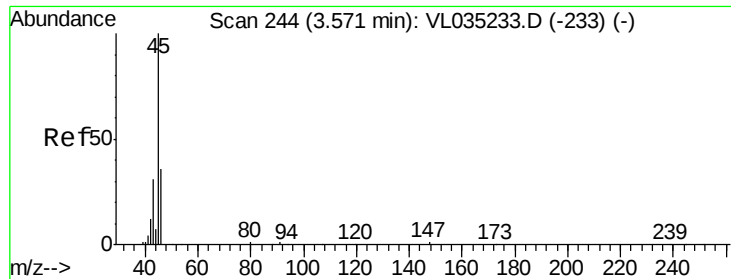
Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.99

Time-->





#13

Ethanol

Concen: 0.039 ppbv

RT: 3.58 min Scan# 247

Delta R.T. 0.01 min

Lab File: VL035287.D

Acq: 30 Jul 2020 20:02

Instrument :

MSVOA_L

ClientSampleId :

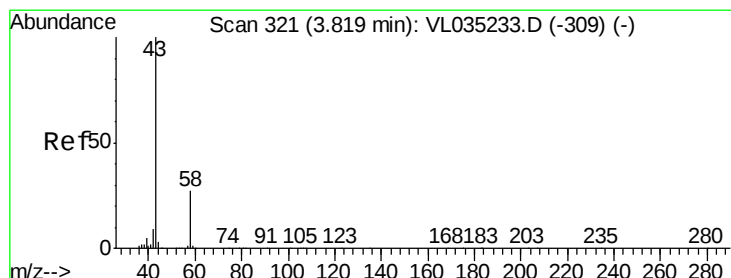
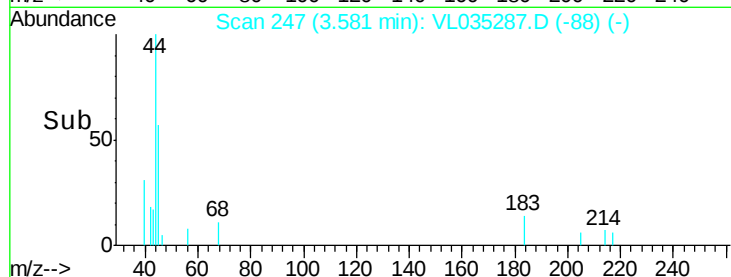
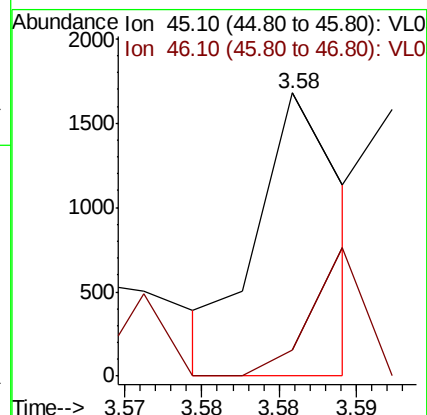
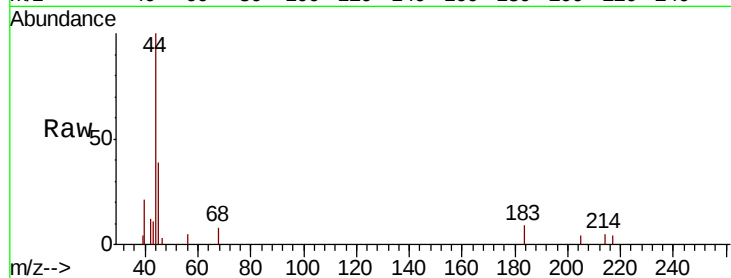
QC CAN 10443

Tot Ion: 45 Resp: 640

Ion Ratio Lower Upper

45 100

46 0.0 15.8 63.4#



#15

Acetone

Concen: 0.352 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.03 min

Lab File: VL035287.D

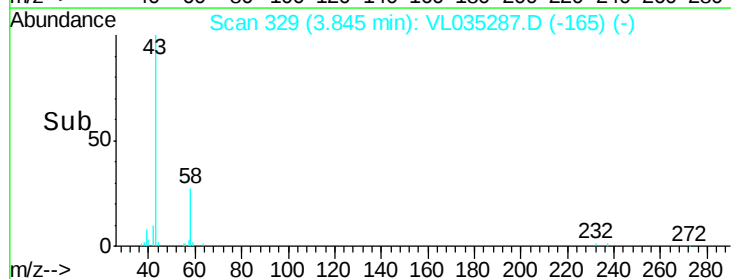
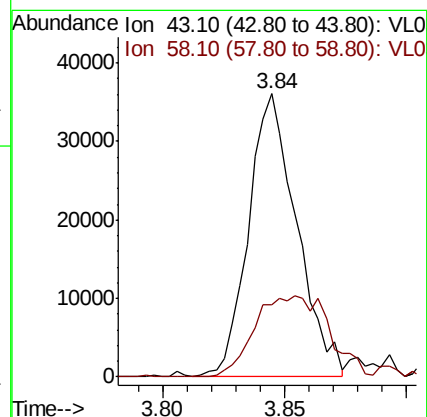
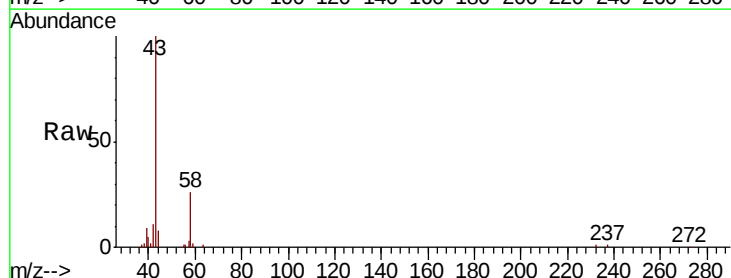
Acq: 30 Jul 2020 20:02

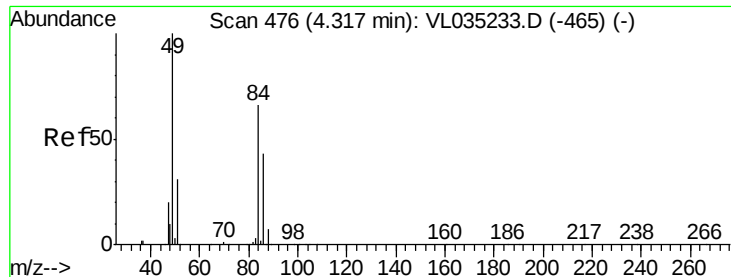
Tgt Ion: 43 Resp: 49270

Ion Ratio Lower Upper

43 100

58 46.3 21.8 32.6#

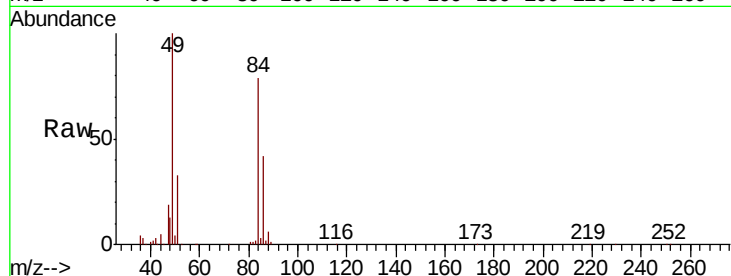




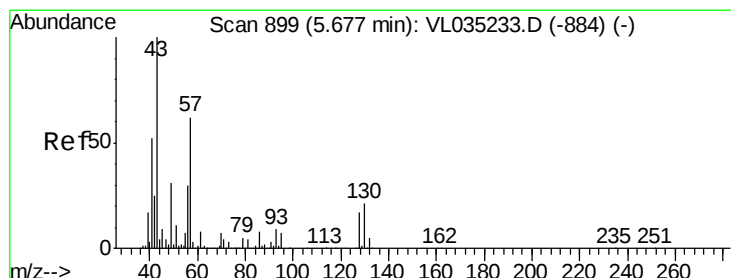
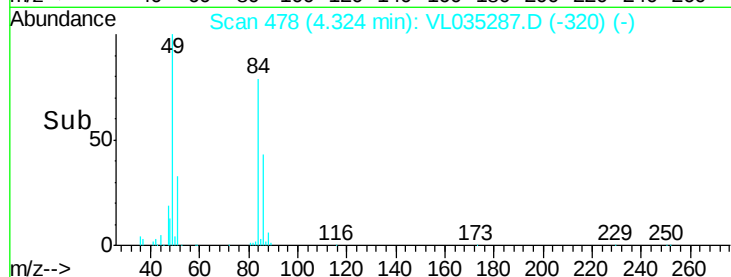
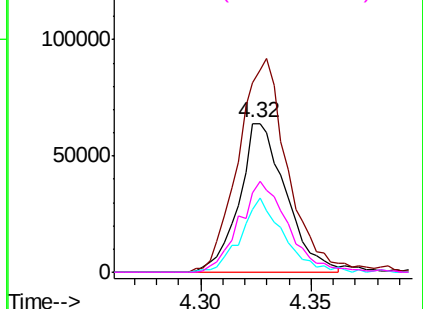
#20
Methvlene Chloride
Concen: 1.482 ppbv
RT: 4.32 min Scan# 478
Delta R.T. 0.01 min
Lab File: VL035287.D
Acq: 30 Jul 2020 20:02

Instrument :
MSVOA_L
ClientSampleId :
QC CAN 10443

Tot Ion: 84 Resp: 94457
Ion Ratio Lower Upper
84 100
49 127.1 121.0 181.4
51 42.0 37.7 56.5
86 53.8 52.2 78.4

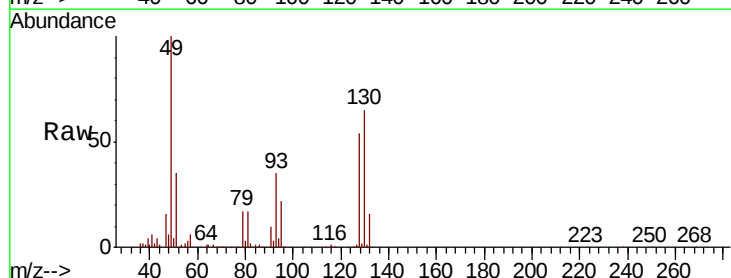


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

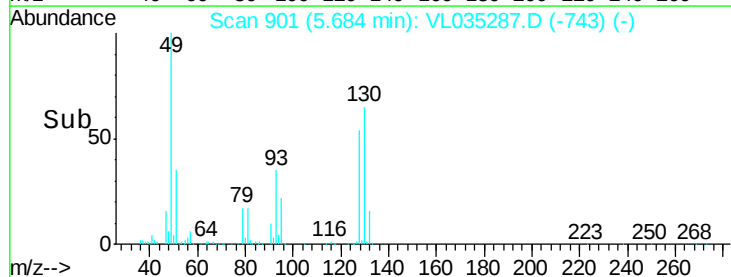
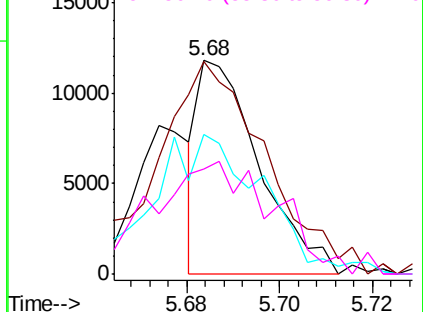


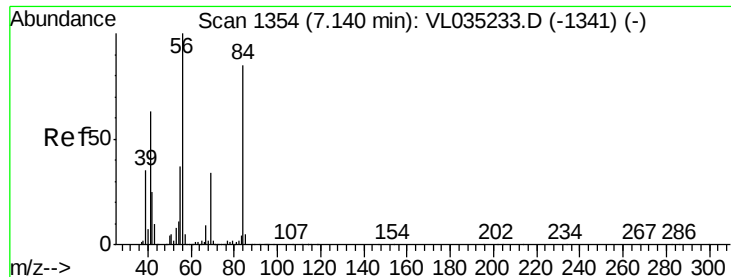
#26
Hexane
Concen: 0.109 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL035287.D
Acq: 30 Jul 2020 20:02

Tgt Ion: 57 Resp: 10756
Ion Ratio Lower Upper
57 100
41 183.4 73.9 110.9#
43 120.2 177.6 266.4#
56 110.2 43.0 64.4#



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

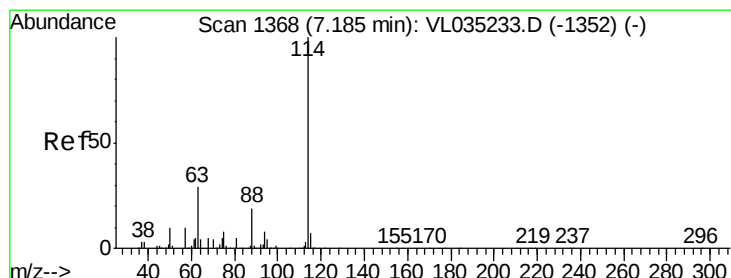
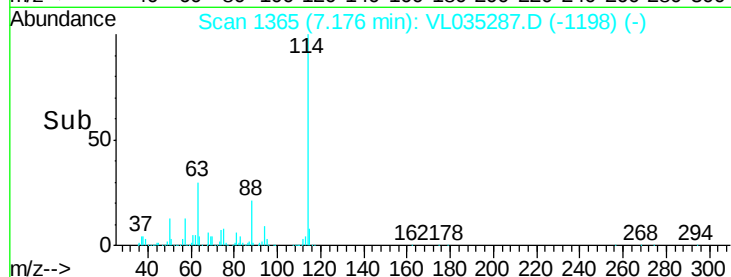
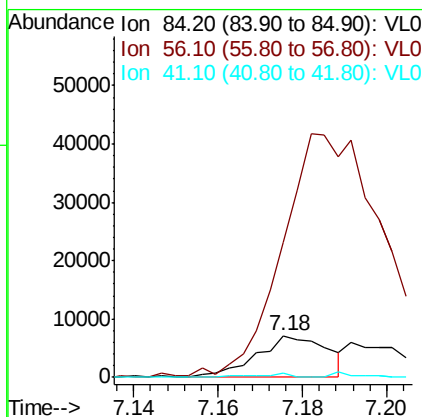
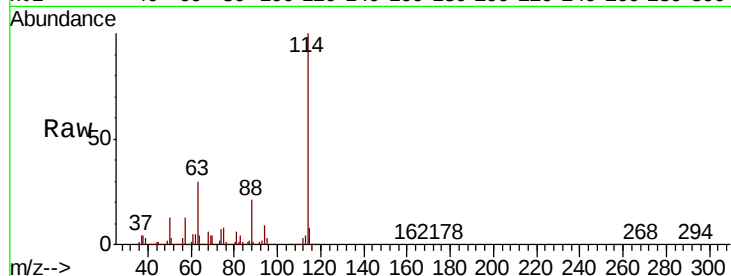




#30
Cvclohexane
Concen: 0.116 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. 0.04 min
Lab File: VL035287.D
Acq: 30 Jul 2020 20:02

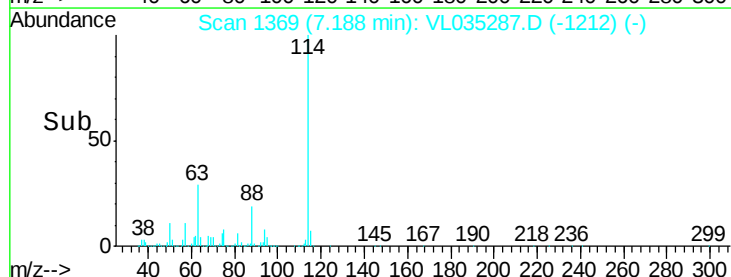
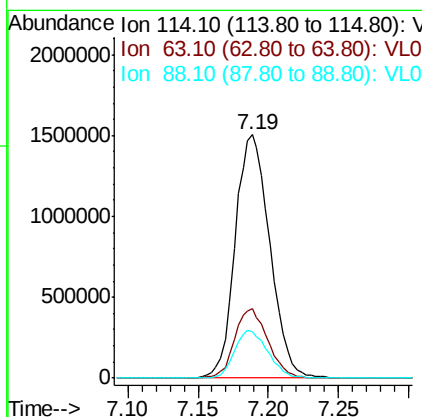
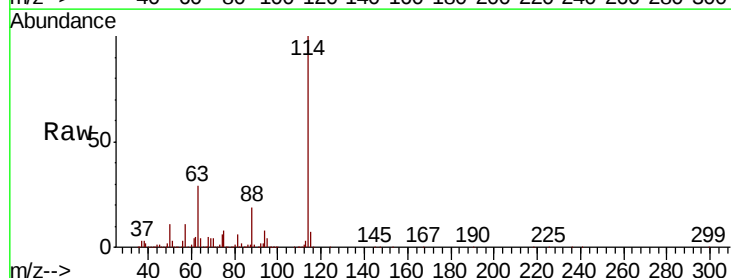
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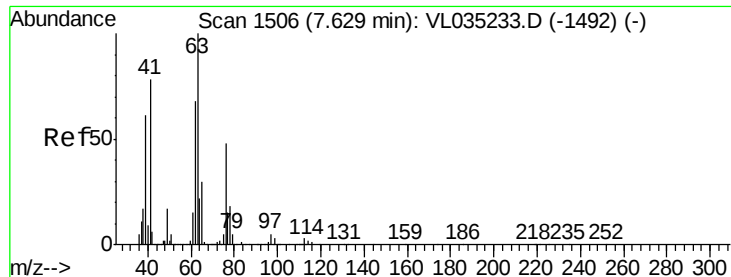
Tot Ion: 84 Resp: 8208
Ion Ratio Lower Upper
84 100
56 0.0 104.2 156.2#
41 0.0 63.7 95.5#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VL035287.D
Acq: 30 Jul 2020 20:02

Tgt Ion: 114 Resp: 2588397
Ion Ratio Lower Upper
114 100
63 27.6 22.2 33.2
88 19.1 15.4 23.0





#39

1,2-Dichloropropane

Concen: 9.922 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. -0.44 min

Lab File: VL035287.D

Acq: 30 Jul 2020 20:02

Instrument :

MSVOA_L

ClientSampleId :

QC CAN 10443

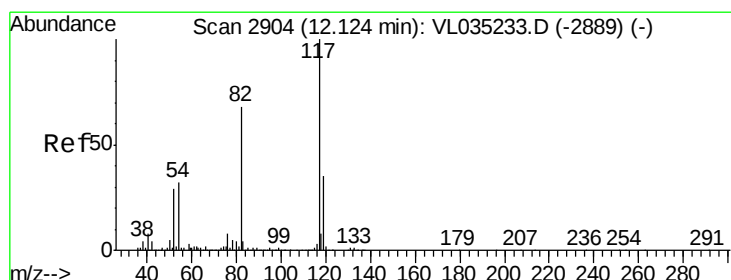
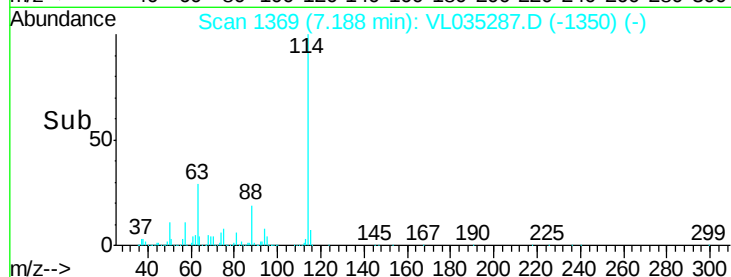
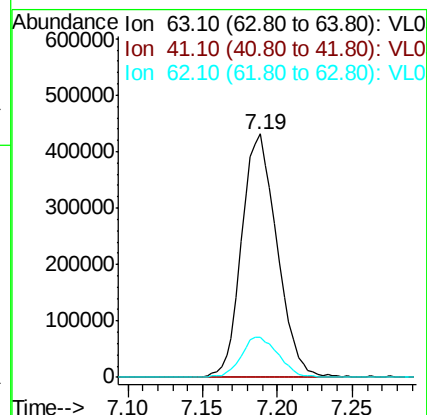
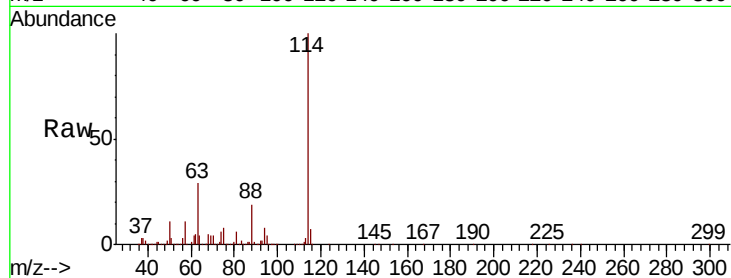
Tot Ion: 63 Resp: 712155

Ion Ratio Lower Upper

63 100

41 0.2 62.2 93.4#

62 16.5 54.2 81.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. 0.00 min

Lab File: VL035287.D

Acq: 30 Jul 2020 20:02

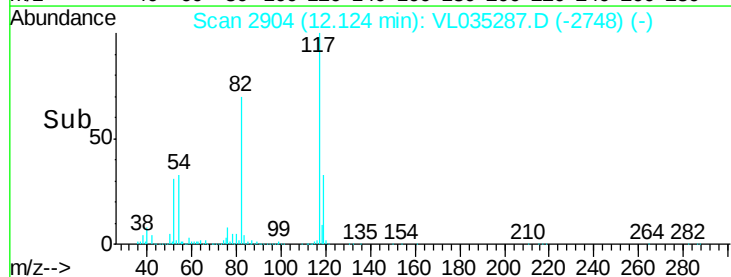
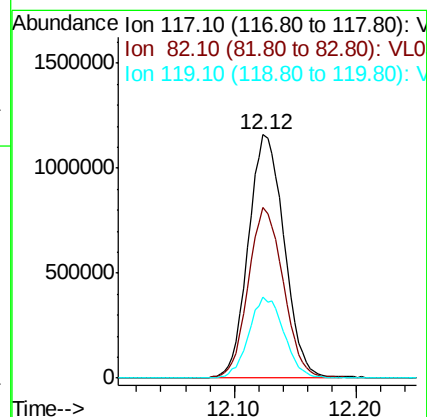
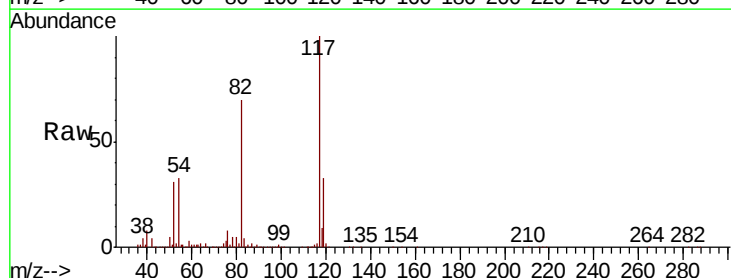
Tgt Ion: 117 Resp: 2342307

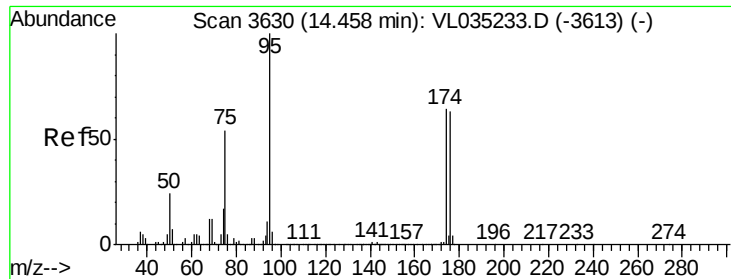
Ion Ratio Lower Upper

117 100

82 69.1 52.4 78.6

119 32.9 24.6 36.8





#68

1-Bromo-4-Fluorobenzene

Concen: 10.356 ppbv

RT: 14.46 min Scan# 3631

Delta R.T. 0.00 min

Lab File: VL035287.D

Acq: 30 Jul 2020 20:02

Instrument :

MSVOA_L

ClientSampleId :

QC CAN 10443

Tot Ion: 95 Resp: 1938226

Ion Ratio Lower Upper

95 100

174 65.7 52.7 79.1

175 4.6 3.9 5.9

