

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062220\
 Data File : VL035116.D
 Acq On : 22 Jun 2020 18:35
 Operator : SY/AP
 Sample : QC061620 CAN 10608
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC061620 CAN 10608

Quant Time: Jun 23 01:27:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 02:10:36 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1220717	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2842479	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.12	117	2657893	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2272355	10.29	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

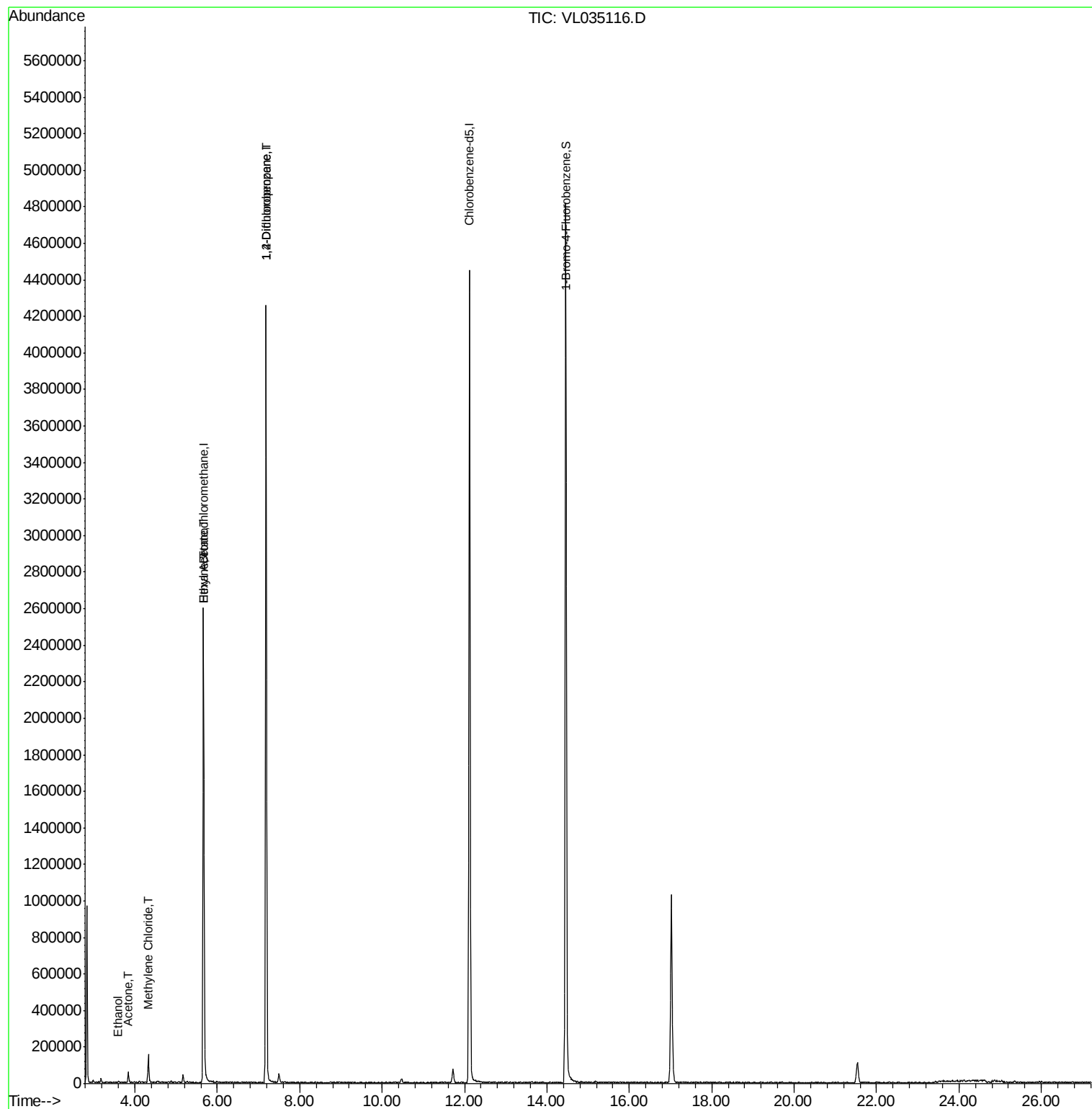
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.58	45	1388	0.069	ppbv	70
15) Acetone	3.84	43	51274	0.347	ppbv #	63
20) Methylene Chloride	4.33	84	50591	0.847	ppbv	93
25) Ethyl Acetate	5.68	43	9529	0.036	ppbv #	82
26) Hexane	5.68	57	9850	0.082	ppbv #	1
39) 1,2-Dichloropropane	7.18	63	774937	9.002	ppbv #	24

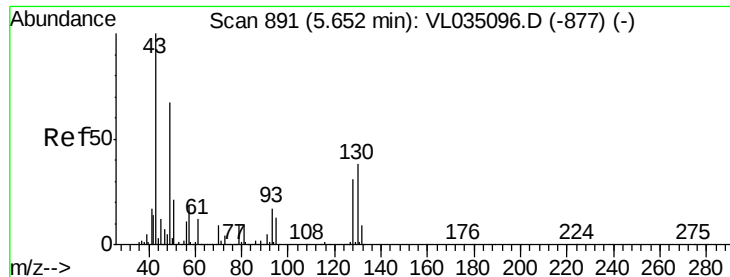
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.01 min

Lab File: VL035116.D

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Instrument :

MSVOA_L

ClientSampleId :

QC061620 CAN 10608

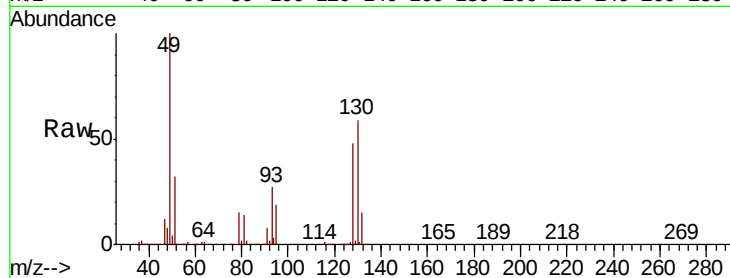
Tot Ion: 49 Resp: 1220717

Ion Ratio Lower Upper

49 100

128 47.0 22.9 68.5

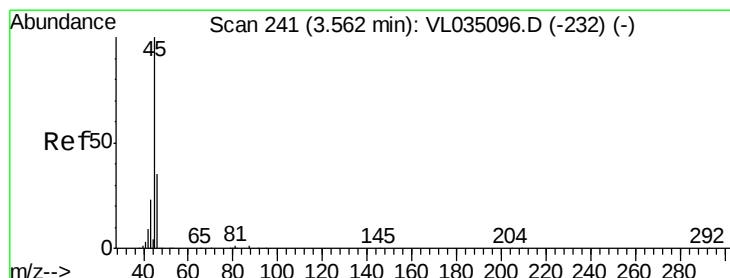
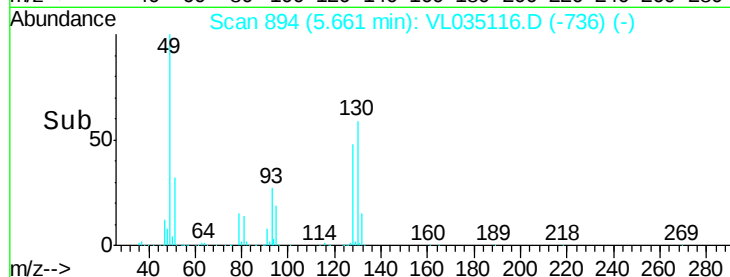
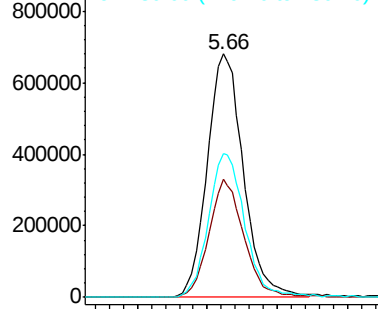
130 60.4 29.0 87.0



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: 0.069 ppbv

RT: 3.58 min Scan# 248

Delta R.T. 0.02 min

Lab File: VL035116.D

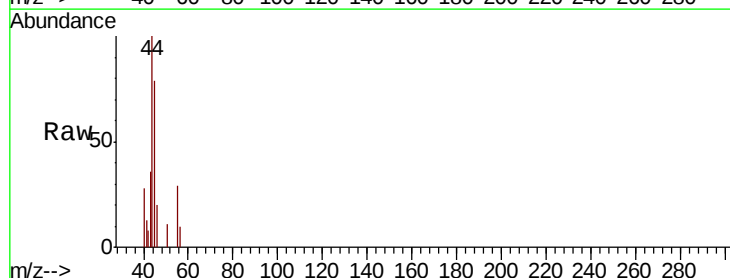
Acq: 22 Jun 2020 18:35

Tgt Ion: 45 Resp: 1388

Ion Ratio Lower Upper

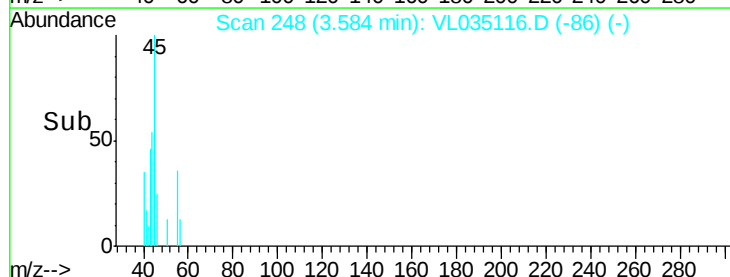
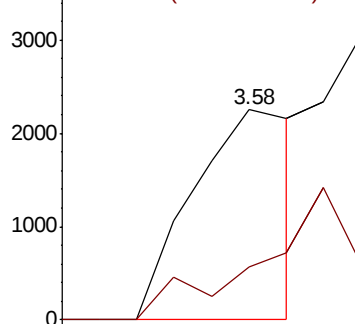
45 100

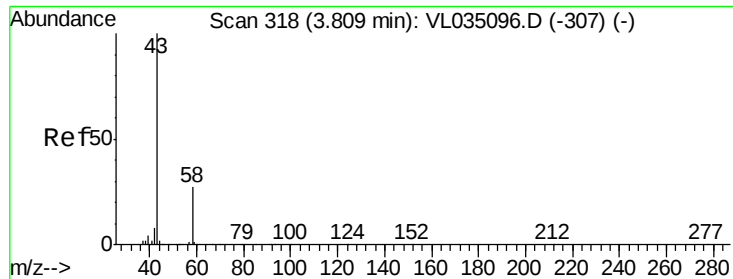
46 18.2 14.2 57.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.347 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.03 min

Lab File: VL035116.D

Acq: 22 Jun 2020 18:35

Instrument :

MSVOA_L

ClientSampleId :

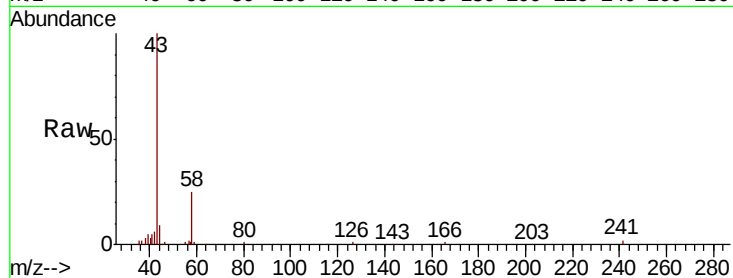
QC061620 CAN 10608

Tot Ion: 43 Resp: 51274

Ion Ratio Lower Upper

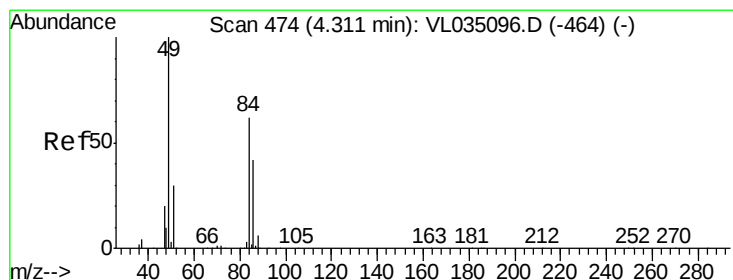
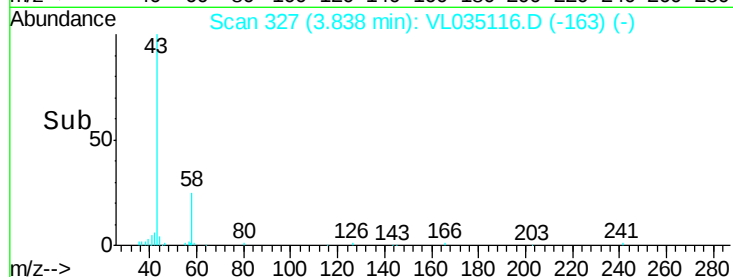
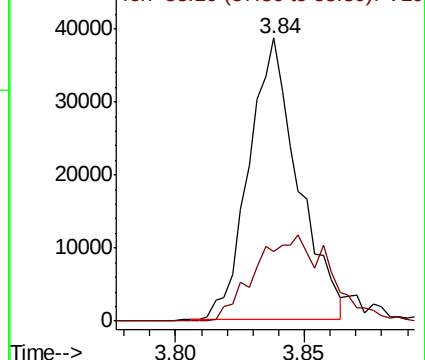
43 100

58 46.2 21.8 32.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.847 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.02 min

Lab File: VL035116.D

Acq: 22 Jun 2020 18:35

Tgt Ion: 84 Resp: 50591

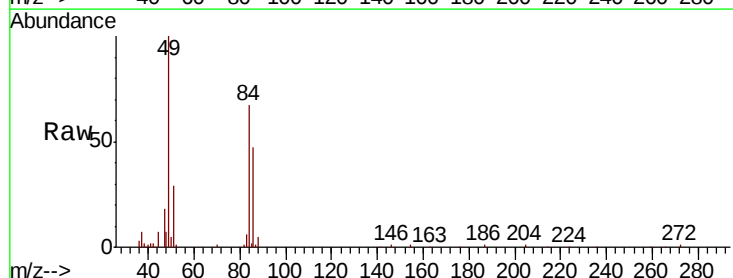
Ion Ratio Lower Upper

84 100

49 150.1 128.8 193.2

51 43.0 38.7 58.1

86 70.6 54.1 81.1

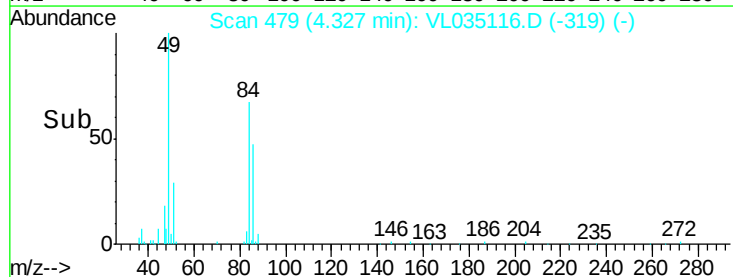
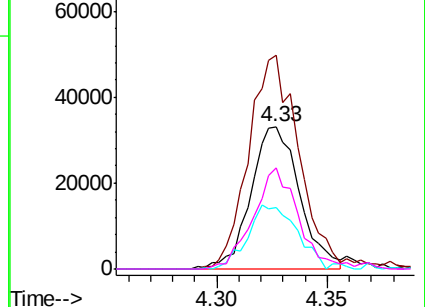


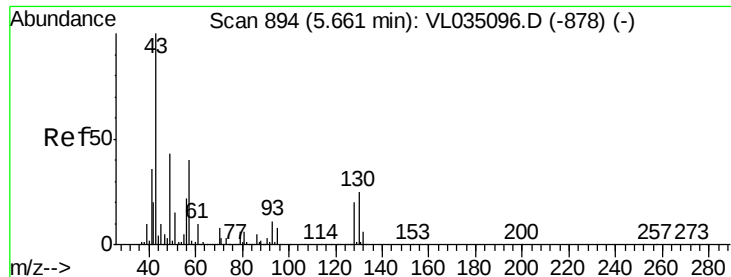
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





#25

Ethyl Acetate

Concen: 0.036 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.02 min

Lab File: VL035116.D

Acq: 22 Jun 2020 18:35

Instrument :

MSVOA_L

ClientSampleId :

QC061620 CAN 10608

Tot Ion: 43 Resp: 9529

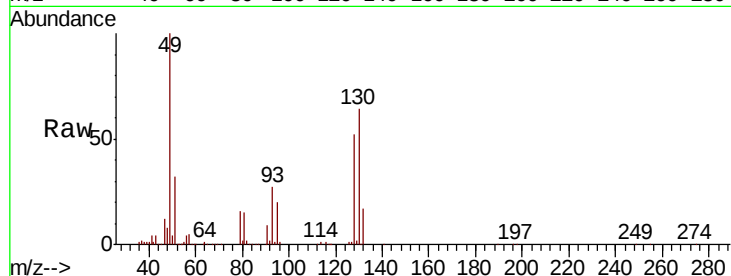
Ion Ratio Lower Upper

43 100

45 17.9 8.4 12.6#

61 0.0 8.0 12.0#

70 6.6 6.3 9.5

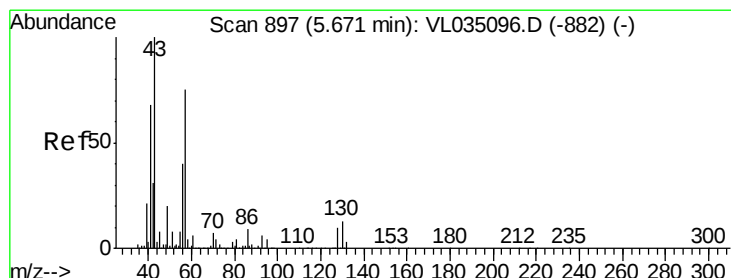
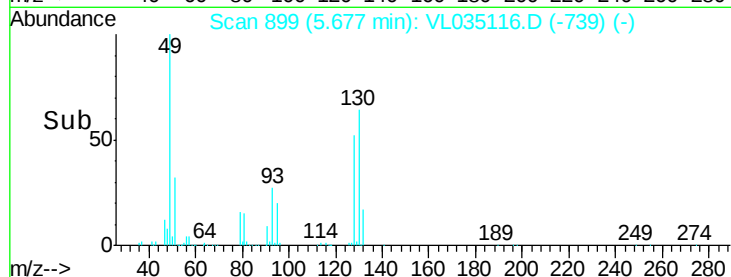
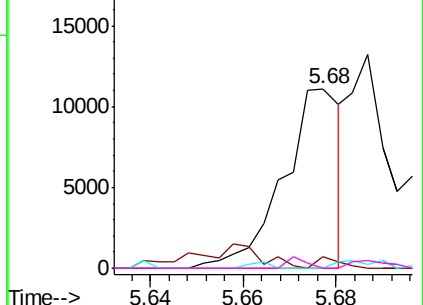


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.082 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.01 min

Lab File: VL035116.D

Acq: 22 Jun 2020 18:35

Tgt Ion: 57 Resp: 9850

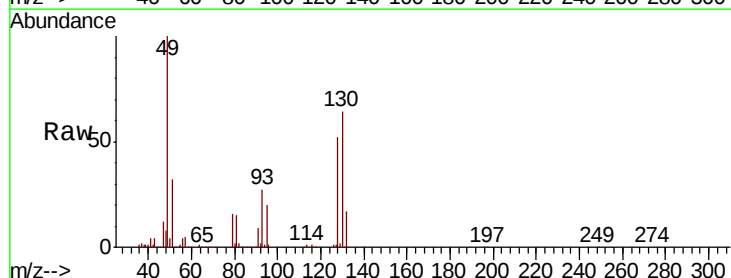
Ion Ratio Lower Upper

57 100

41 270.0 72.9 109.3#

43 0.0 181.3 271.9#

56 160.2 43.1 64.7#

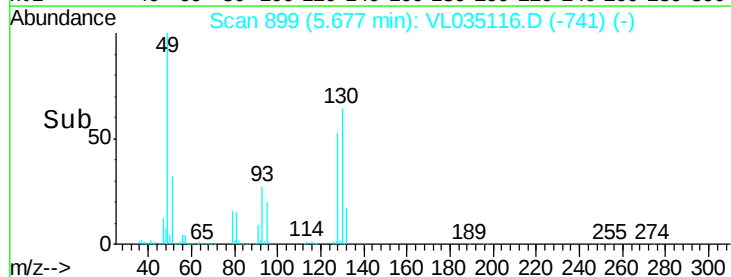
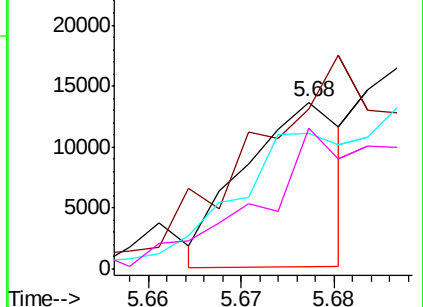


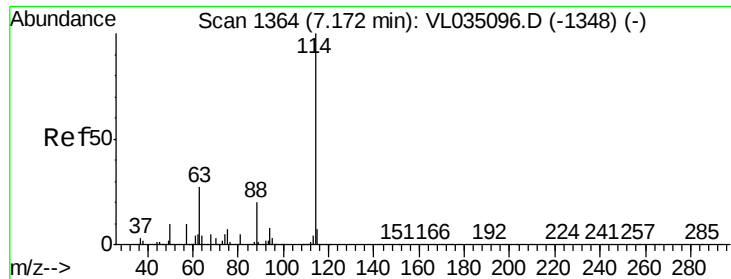
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

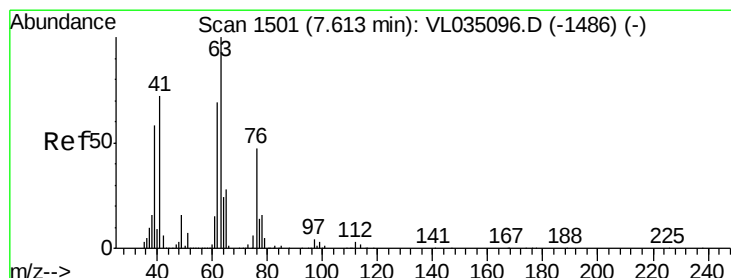
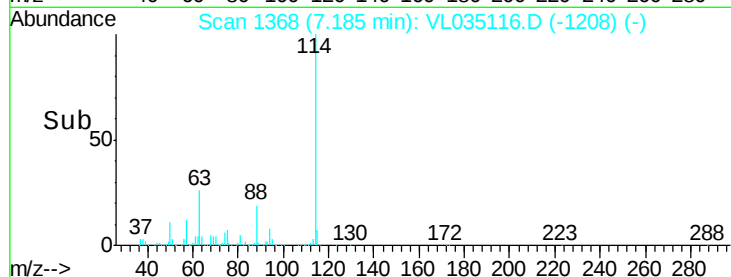
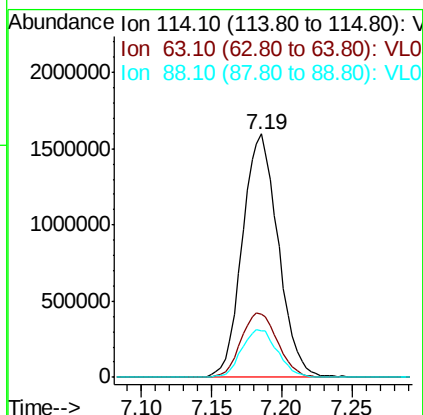
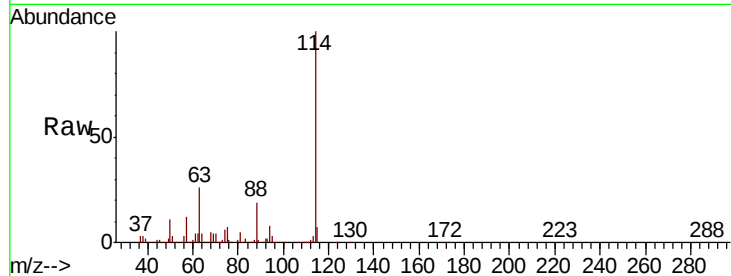




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. 0.01 min
 Lab File: VL035116.D
 Acq: 22 Jun 2020 18:35

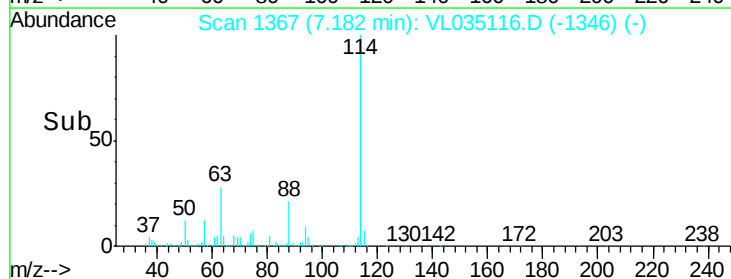
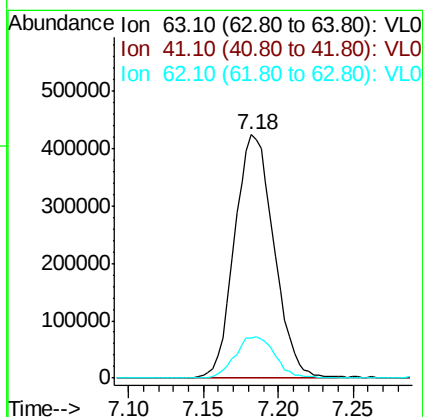
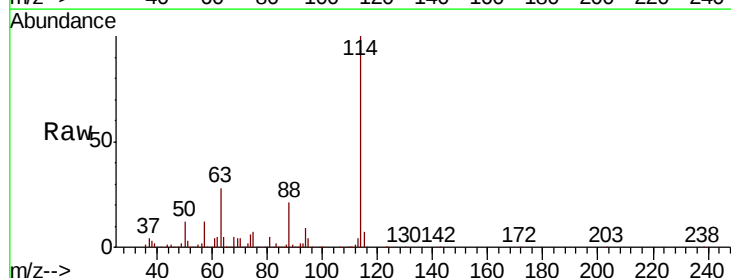
Instrument :
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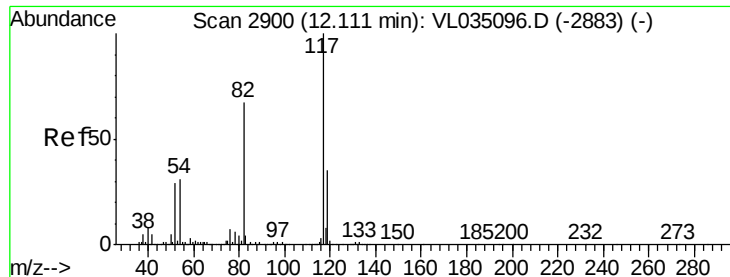
Tot Ion:114 Resp: 2842479
 Ion Ratio Lower Upper
 114 100
 63 27.4 21.9 32.9
 88 19.8 15.6 23.4



#39
 1,2-Dichloropropane
 Concen: 9.002 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.43 min
 Lab File: VL035116.D
 Acq: 22 Jun 2020 18:35

Tgt Ion: 63 Resp: 774937
 Ion Ratio Lower Upper
 63 100
 41 0.1 58.0 87.0#
 62 16.6 55.4 83.0#

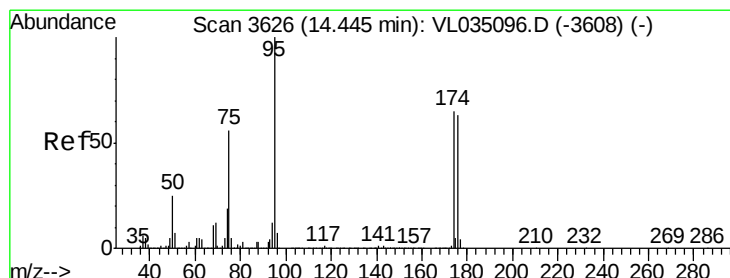
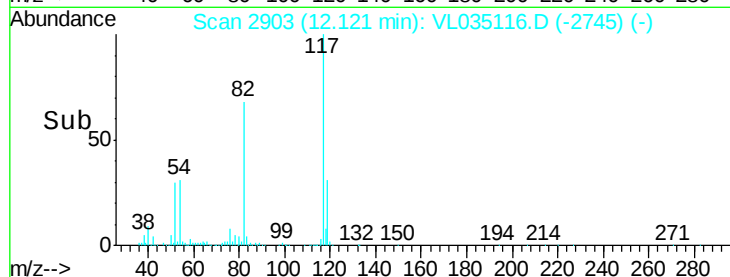
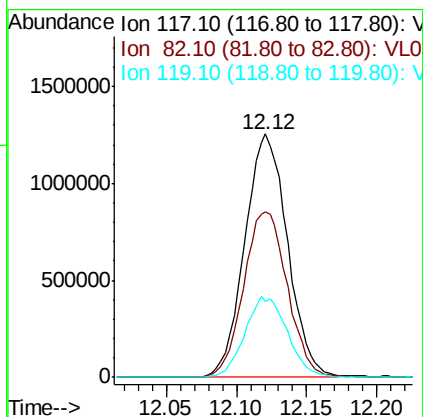
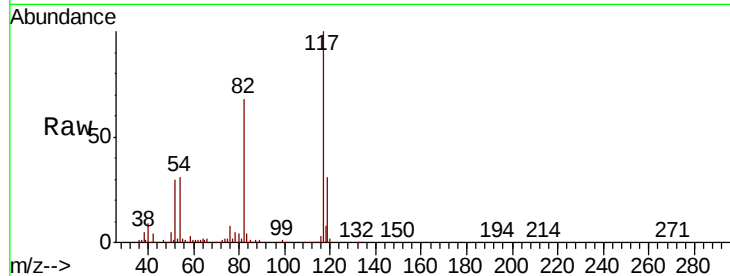




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2903
Delta R.T. 0.01 min
Lab File: VL035116.D
Acq: 22 Jun 2020 18:35

Instrument :
MSVOA_L
ClientSampleId :
QC061620 CAN 10608

Tot Ion:117 Resp: 2657893
Ion Ratio Lower Upper
117 100
82 70.1 50.4 75.6
119 33.2 25.4 38.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.292 ppbv
RT: 14.46 min Scan# 3630
Delta R.T. 0.01 min
Lab File: VL035116.D
Acq: 22 Jun 2020 18:35

Tgt Ion: 95 Resp: 2272355
Ion Ratio Lower Upper
95 100
174 65.6 52.2 78.2
175 4.9 4.0 6.0

