

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082020\
 Data File : VL035485.D
 Acq On : 20 Aug 2020 21:47
 Operator : SY/AP
 Sample : OC081820 CAN 10328
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC081820 CAN 10328

Quant Time: Aug 21 06:02:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 19:28:30 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1014430	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4501659	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4514537	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3188722	10.09	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.90%

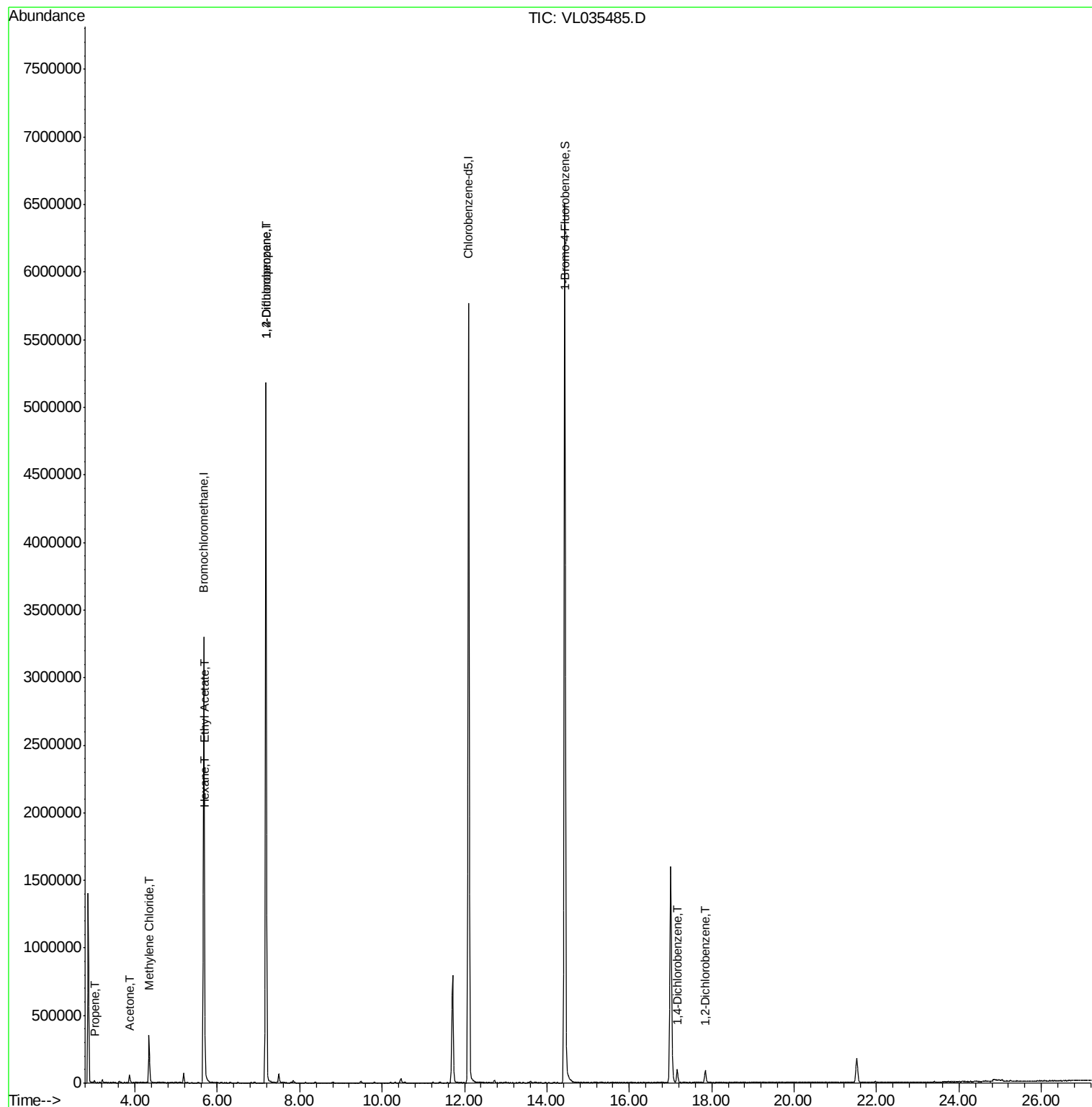
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	4157	0.081	ppbv #	82
15) Acetone	3.87	43	45096	0.386	ppbv #	30
20) Methylene Chloride	4.34	84	163628	1.737	ppbv #	64
25) Ethyl Acetate	5.69	43	33503	0.147	ppbv #	77
26) Hexane	5.69	57	60434	0.471	ppbv #	31
39) 1,2-Dichloropropane	7.18	63	789848	7.253	ppbv #	23
76) 1,4-Dichlorobenzene	17.16	146	61860	0.137	ppbv	92
77) 1,2-Dichlorobenzene	17.84	146	60511	0.135	ppbv	93

(#) = 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: VL035485.D

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Instrument :

MSVOA_L

ClientSampleId :

QC081820 CAN 10328

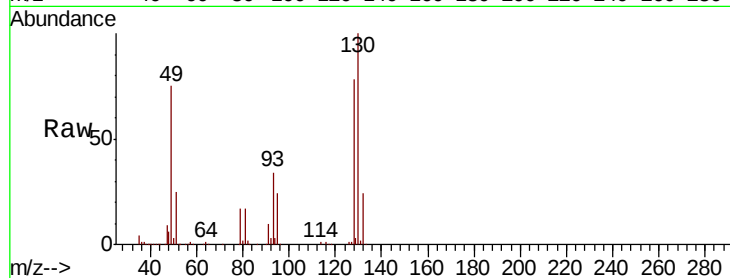
Tot Ion: 49 Resp: 1014430

Ion Ratio Lower Upper

49 100

128 103.0 20.9 62.7#

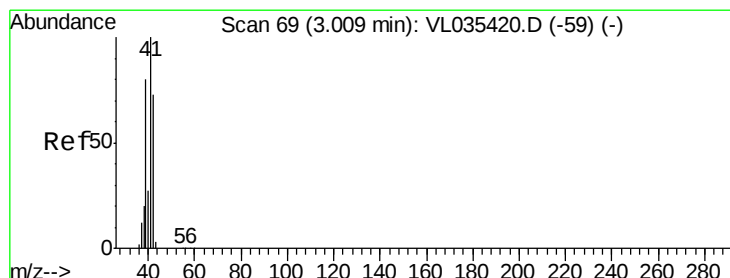
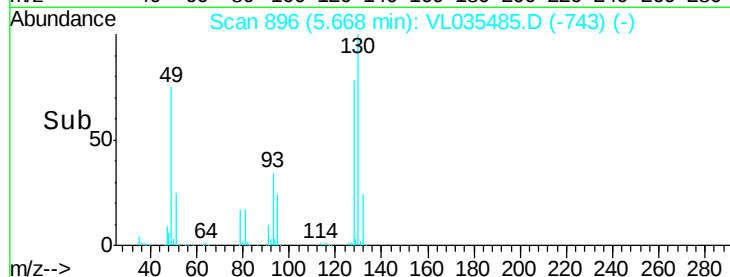
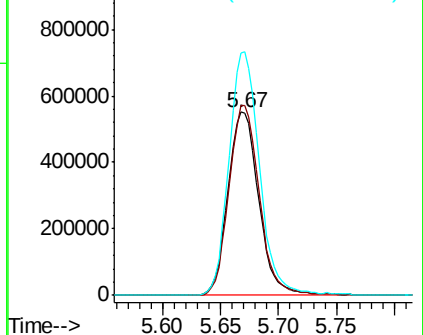
130 132.0 26.7 80.1#



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



#9

Propene

Concen: 0.081 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL035485.D

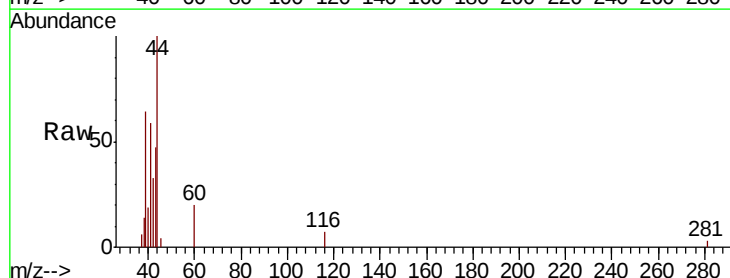
Acq: 20 Aug 2020 21:47

Tgt Ion: 41 Resp: 4157

Ion Ratio Lower Upper

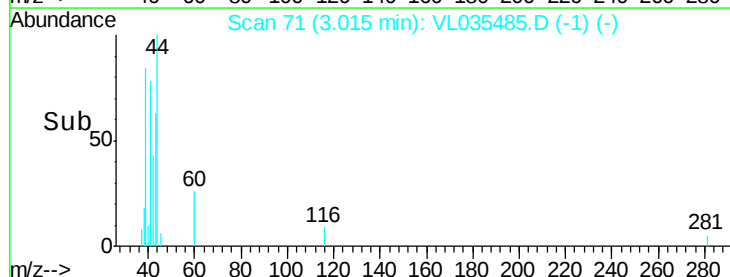
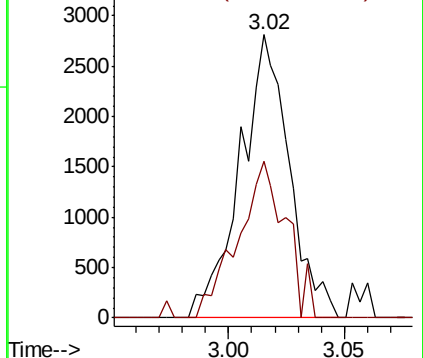
41 100

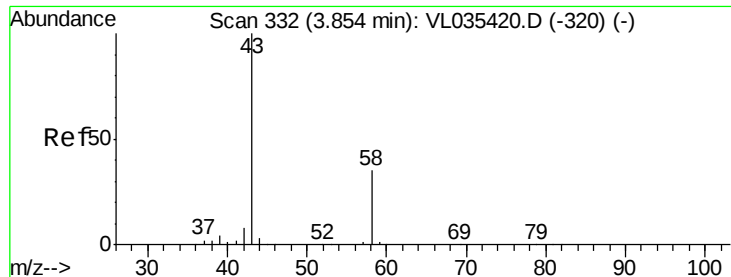
42 54.8 55.5 83.3#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 0.386 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.02 min

Lab File: VL035485.D

Acq: 20 Aug 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

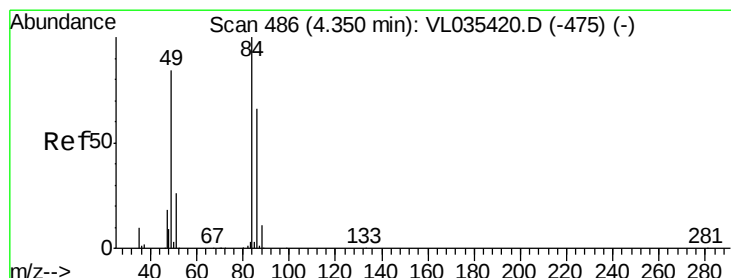
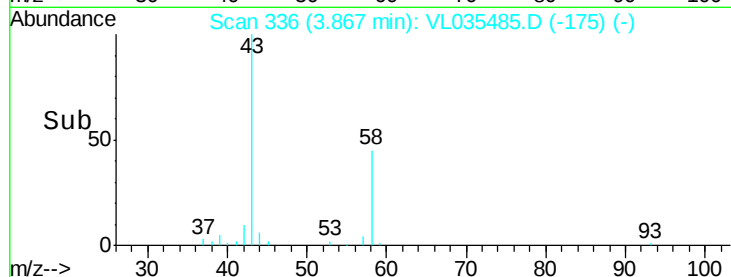
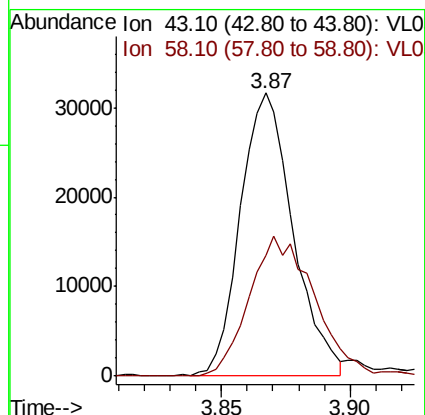
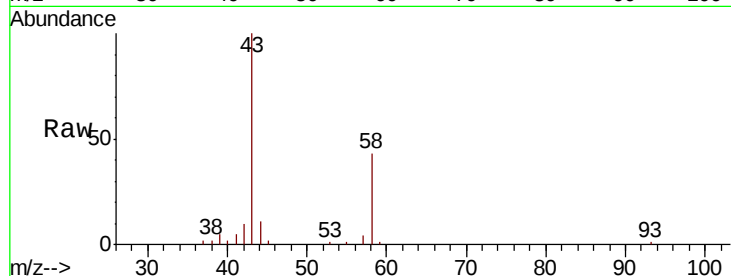
QC081820 CAN 10328

Tot Ion: 43 Resp: 45096

Ion Ratio Lower Upper

43 100

58 62.3 21.0 31.6#



#20

Methylene Chloride

Concen: 1.737 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL035485.D

Acq: 20 Aug 2020 21:47

Tgt Ion: 84 Resp: 163628

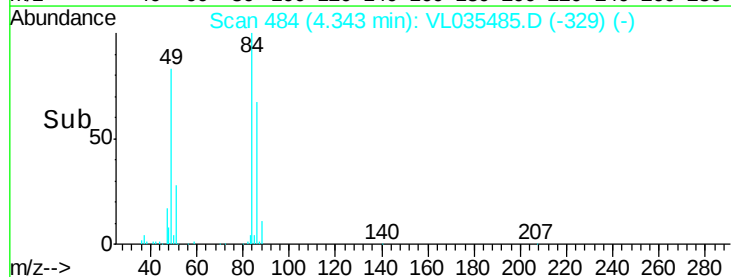
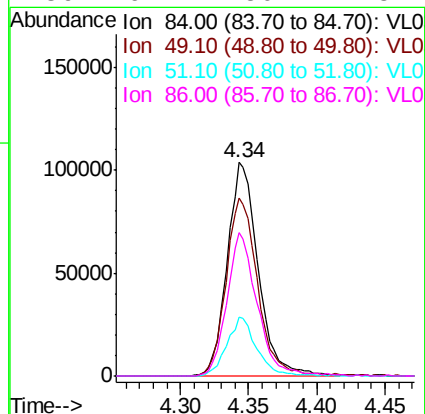
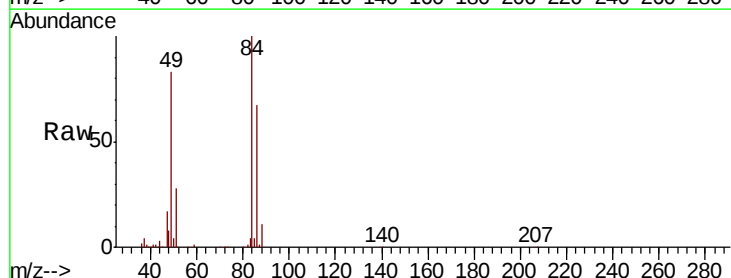
Ion Ratio Lower Upper

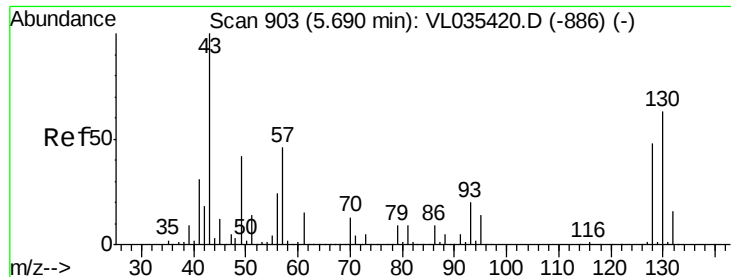
84 100

49 83.2 118.6 177.8#

51 27.8 36.4 54.6#

86 67.1 50.2 75.4





#25

Ethyl Acetate

Concen: 0.147 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.01 min

Lab File: VL035485.D

Acq: 20 Aug 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

QC081820 CAN 10328

Tot Ion: 43 Resp: 33503

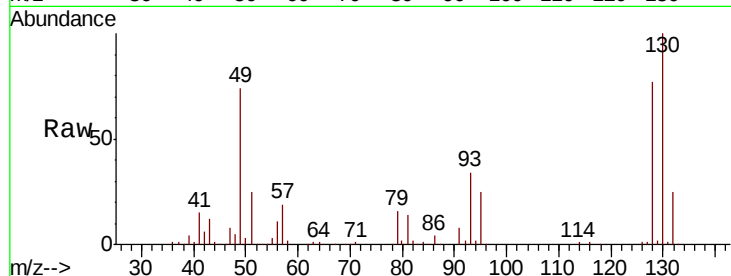
Ion Ratio Lower Upper

43 100

45 0.7 8.3 12.5#

61 0.0 7.6 11.4#

70 2.4 6.0 9.0#

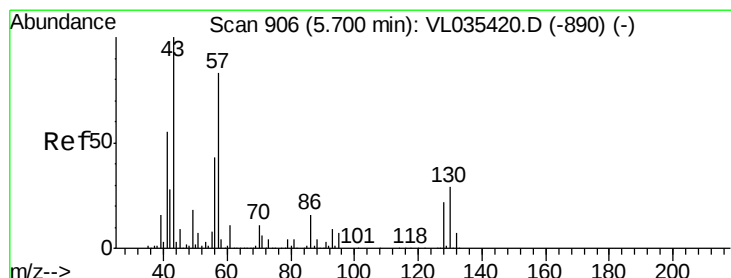
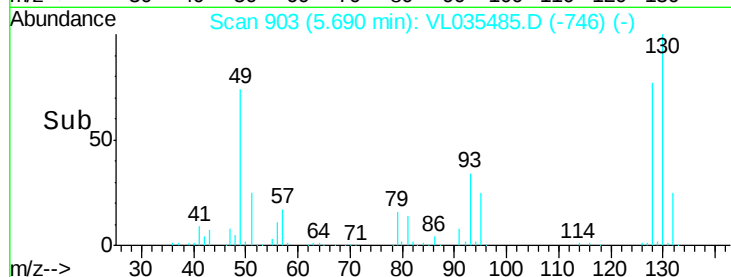
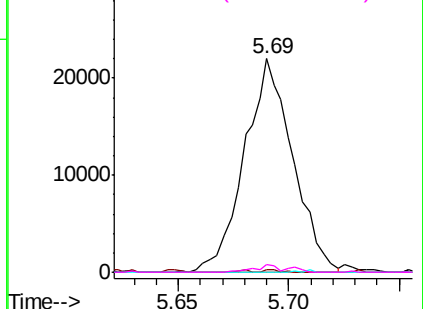


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.471 ppbv

RT: 5.69 min Scan# 904

Delta R.T. -0.00 min

Lab File: VL035485.D

Acq: 20 Aug 2020 21:47

Tgt Ion: 57 Resp: 60434

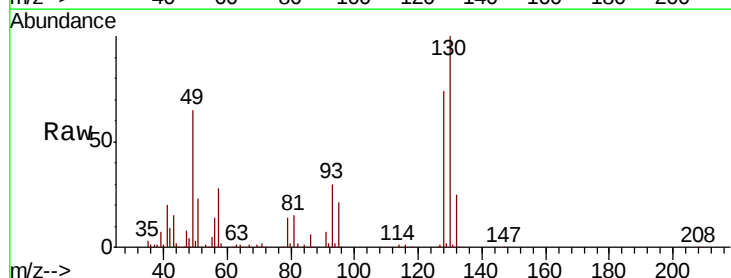
Ion Ratio Lower Upper

57 100

41 72.8 75.5 113.3#

43 56.4 181.7 272.5#

56 55.0 42.4 63.6

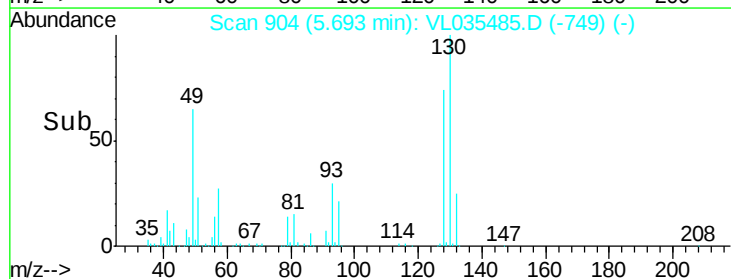
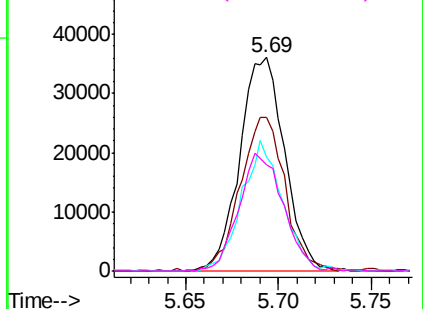


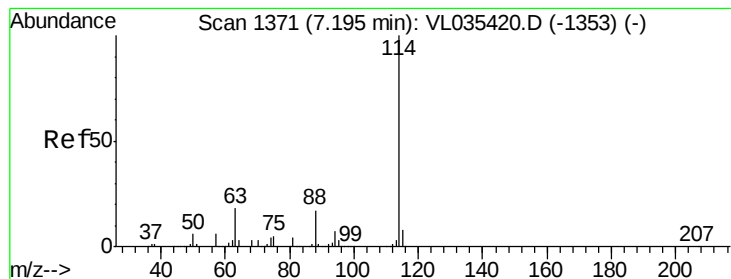
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 7.18 min Scan# 1367

Delta R.T. -0.01 min

Lab File: VL035485.D

Acq: 20 Aug 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

QC081820 CAN 10328

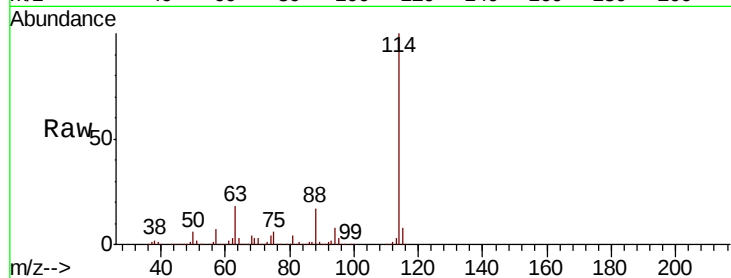
Tot Ion:114 Resp: 4501659

Ion Ratio Lower Upper

114 100

63 17.6 23.1 34.7#

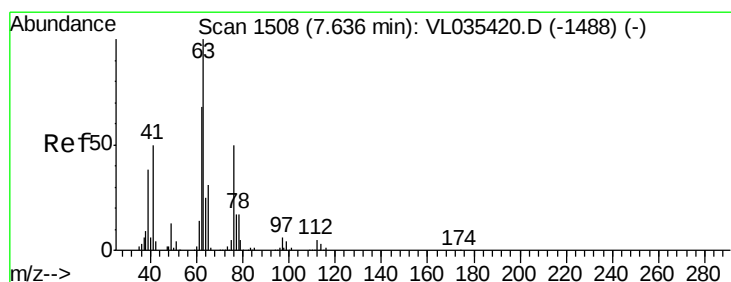
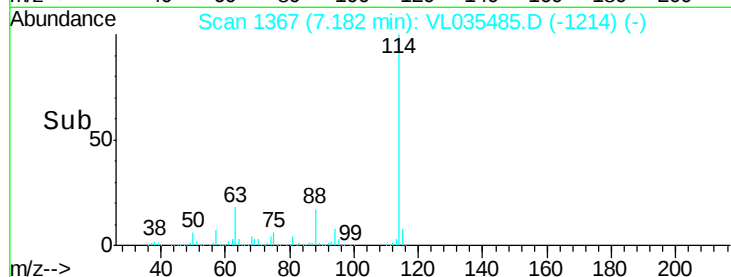
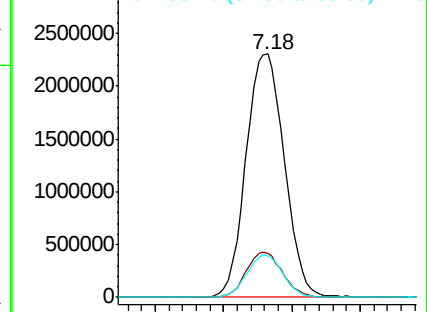
88 16.5 15.9 23.9



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



#39

1,2-Dichloropropane

Concen: 7.253 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.45 min

Lab File: VL035485.D

Acq: 20 Aug 2020 21:47

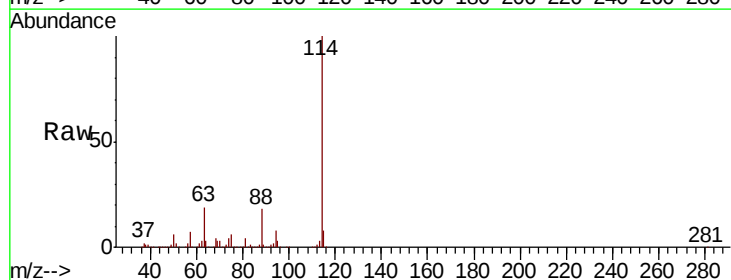
Tgt Ion: 63 Resp: 789848

Ion Ratio Lower Upper

63 100

41 0.0 61.1 91.7#

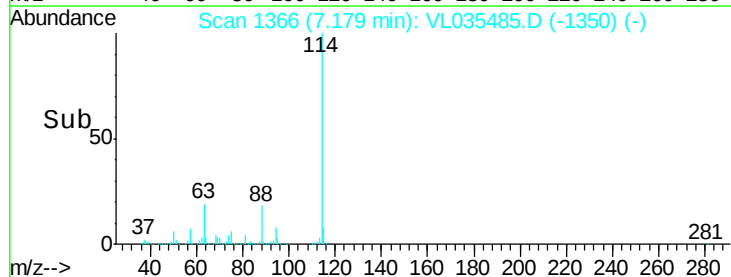
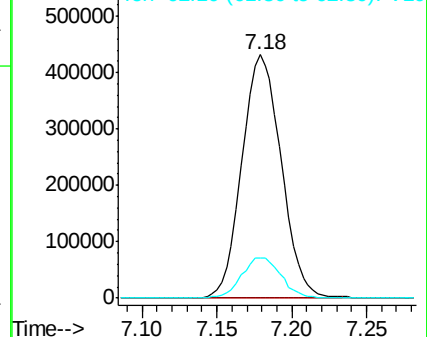
62 16.4 55.3 82.9#

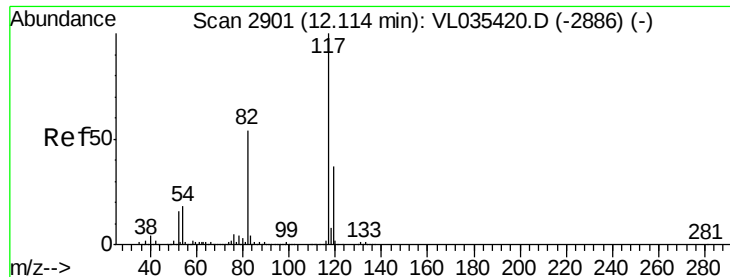


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

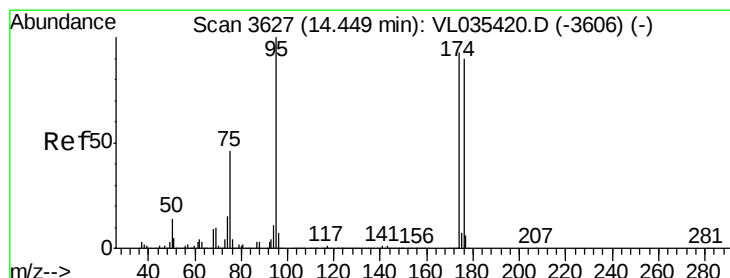
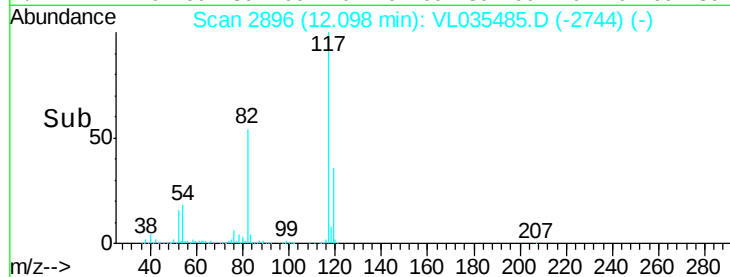
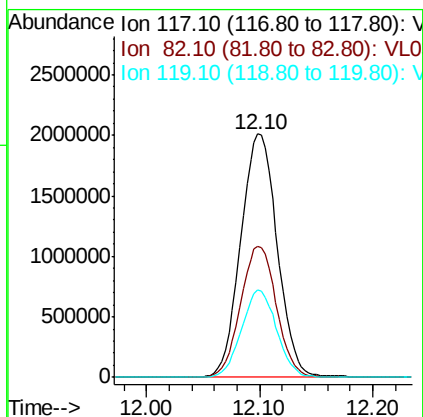
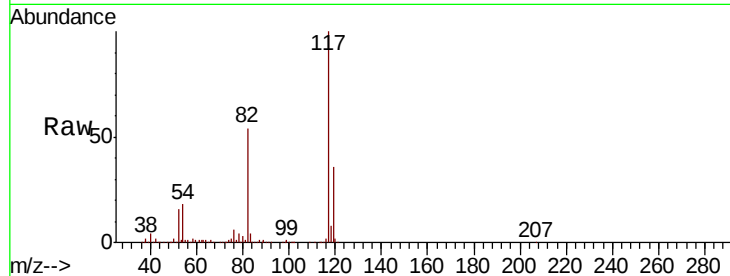




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.01 min
Lab File: VL035485.D
Acq: 20 Aug 2020 21:47

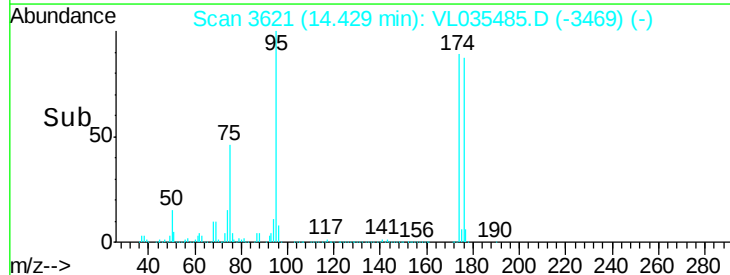
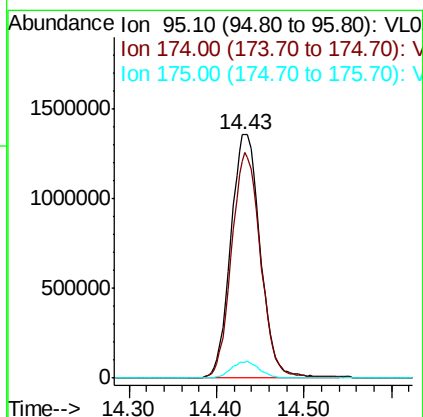
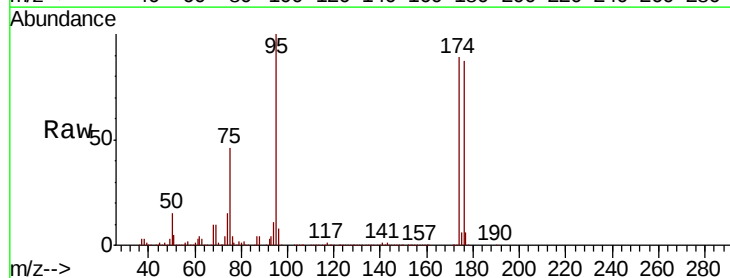
Instrument :
MSVOA_L
ClientSampleId :
QC081820 CAN 10328

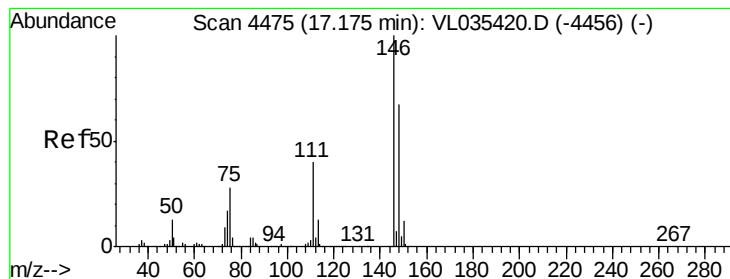
Tot Ion:117 Resp: 4514537
Ion Ratio Lower Upper
117 100
82 53.5 57.4 86.0#
119 34.7 28.4 42.6



#68
1-Bromo-4-Fluorobenzene
Concen: 10.089 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL035485.D
Acq: 20 Aug 2020 21:47

Tgt Ion: 95 Resp: 3188722
Ion Ratio Lower Upper
95 100
174 91.6 44.0 66.0#
175 6.6 3.2 4.8#





#76

1,4-Dichlorobenzene

Concen: 0.137 ppbv

RT: 17.16 min Scan# 4471

Delta R.T. -0.00 min

Lab File: VL035485.D

Acq: 20 Aug 2020 21:47

Instrument :

MSVOA_L

ClientSampleId :

QC081820 CAN 10328

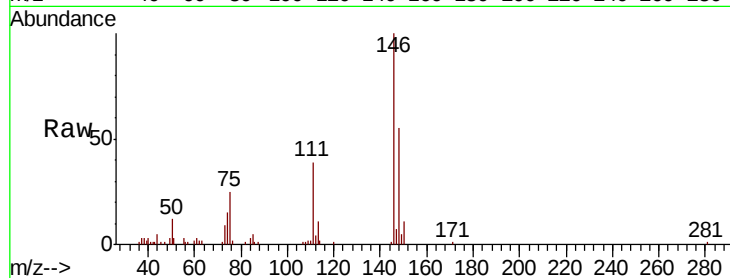
Tot Ion:146 Resp: 61860

Ion Ratio Lower Upper

146 100

111 40.4 24.8 74.4

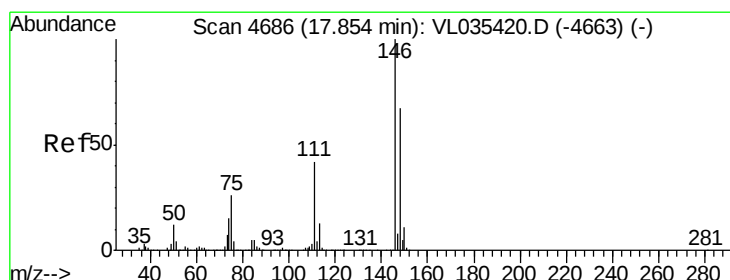
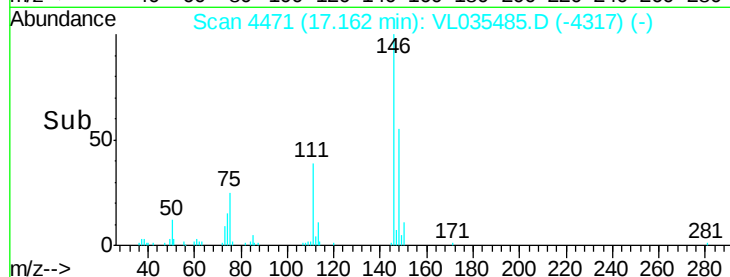
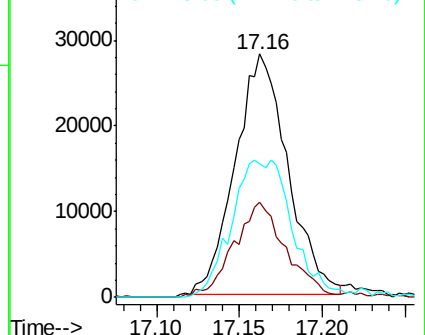
148 66.9 32.1 96.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#77

1,2-Dichlorobenzene

Concen: 0.135 ppbv

RT: 17.84 min Scan# 4683

Delta R.T. -0.00 min

Lab File: VL035485.D

Acq: 20 Aug 2020 21:47

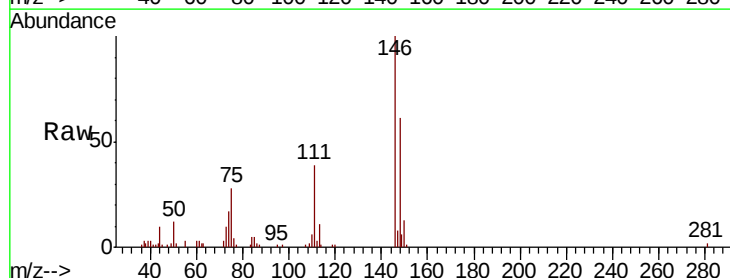
Tgt Ion:146 Resp: 60511

Ion Ratio Lower Upper

146 100

111 42.5 26.3 78.9

148 64.7 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

