

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080320\
 Data File : VL035328.D
 Acq On : 4 Aug 2020 00:50
 Operator : SY/AP
 Sample : L3540-01 1200XDUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LAGCARB-IN-01DLDP

Quant Time: Aug 04 05:40:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 04 05:31:29 2020
 QLast Update : Tue Aug 04 05:31:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1207213	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2992012	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2947763	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2464990	9.98	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

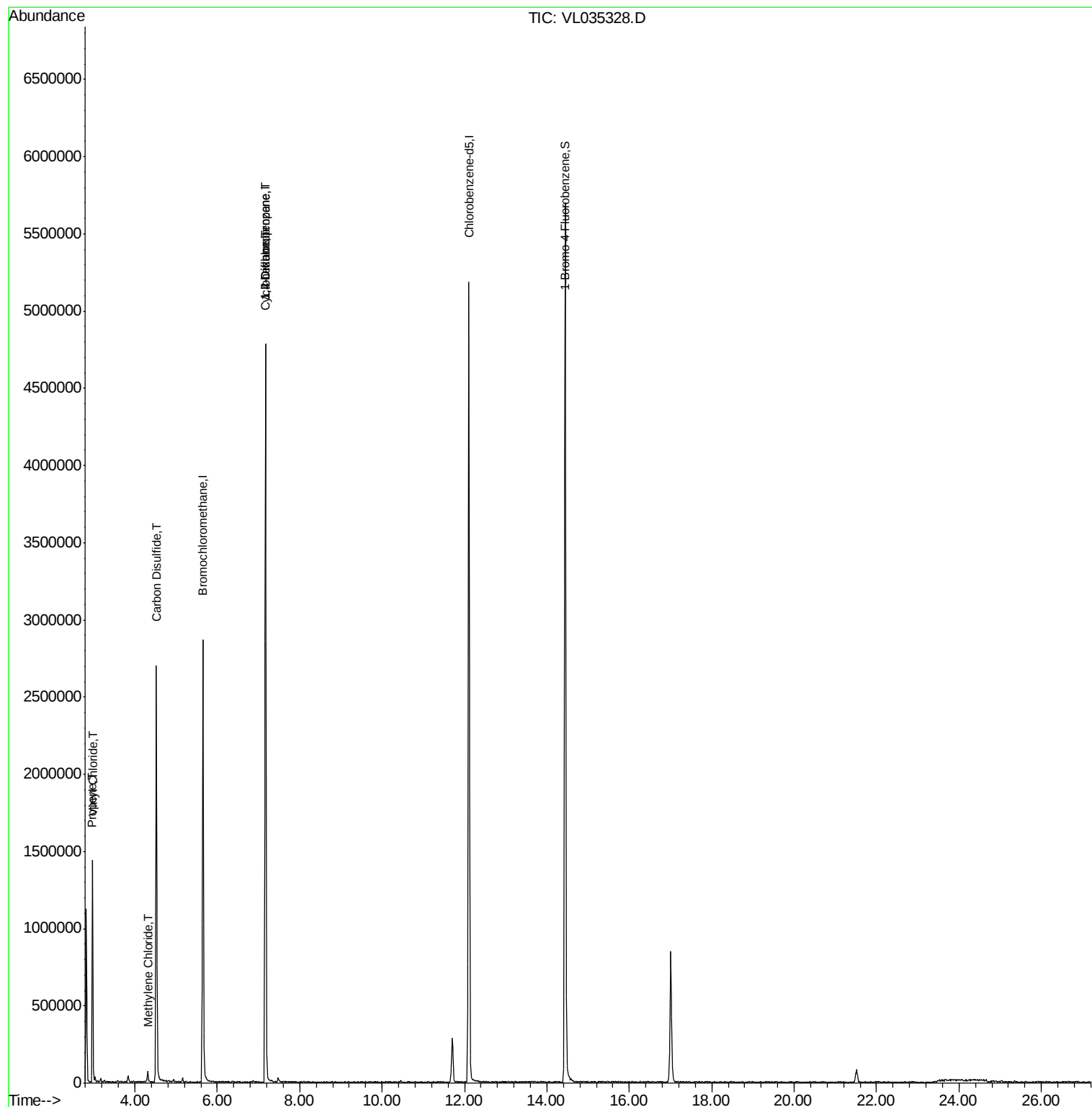
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	2.97	62	81954	1.062	ppbv #	53
9) Propene	2.96	41	5565	0.111	ppbv #	14
20) Methylene Chloride	4.31	84	11700	0.147	ppbv	96
27) Carbon Disulfide	4.52	76	3145179	19.785	ppbv	99
30) Cyclohexane	7.16	84	6905	0.078	ppbv #	1
39) 1,2-Dichloropropane	7.17	63	833755	9.645	ppbv #	23

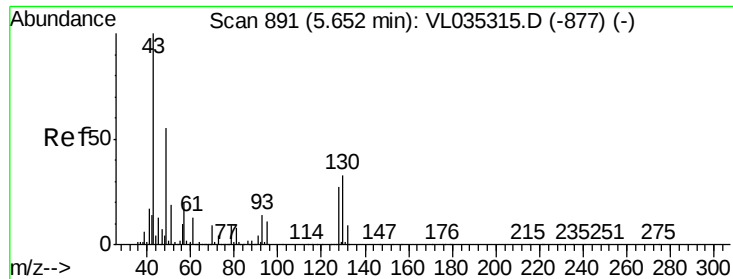
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Aug 04 05:31:29 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL035328.D

Acq: 4 Aug 2020 00:50

Instrument :

MSVOA_L

ClientSampleId :

LAGCARB-IN-01DLDP

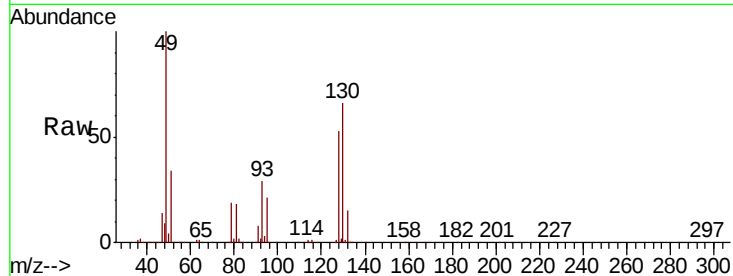
Tot Ion: 49 Resp: 1207213

Ion Ratio Lower Upper

49 100

128 50.5 23.8 71.5

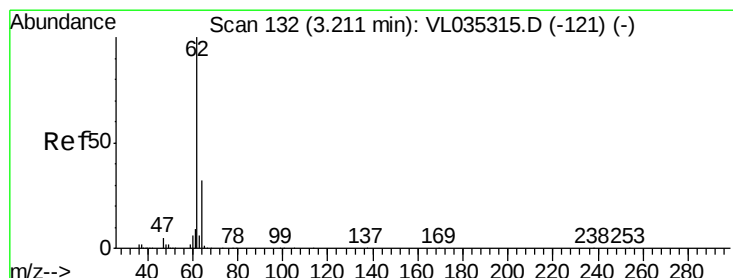
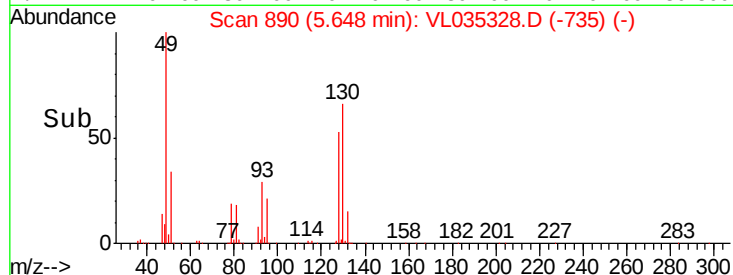
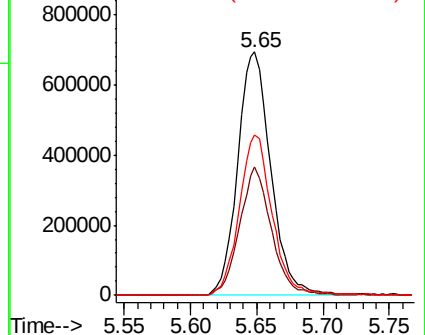
130 65.9 31.4 94.3



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



#5

Vinyl Chloride

Concen: 1.062 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.24 min

Lab File: VL035328.D

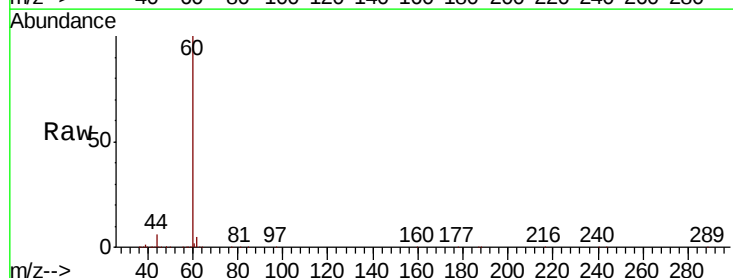
Acq: 4 Aug 2020 00:50

Tgt Ion: 62 Resp: 81954

Ion Ratio Lower Upper

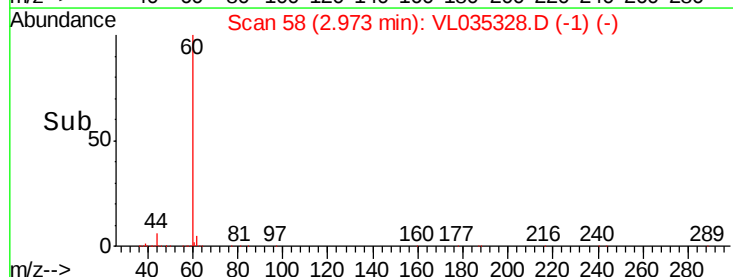
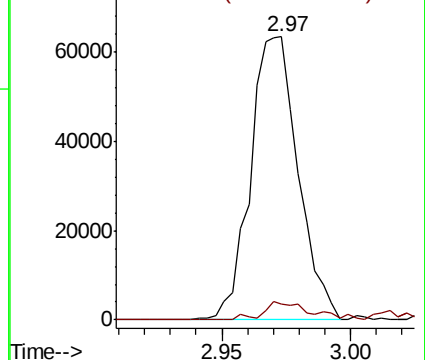
62 100

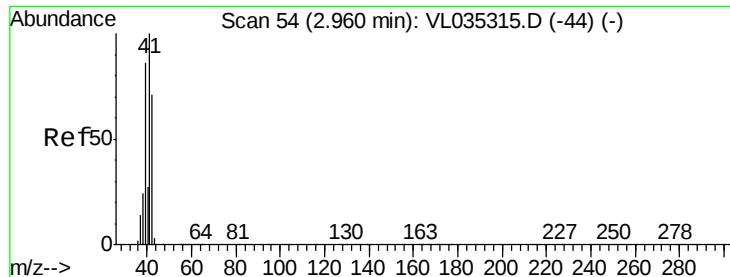
64 5.8 25.9 38.9#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#9

Propene

Concen: 0.111 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.00 min

Lab File: VL035328.D

Acq: 4 Aug 2020 00:50

Instrument :

MSVOA_L

ClientSampleId :

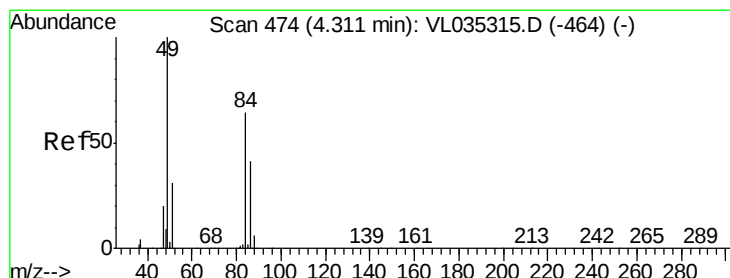
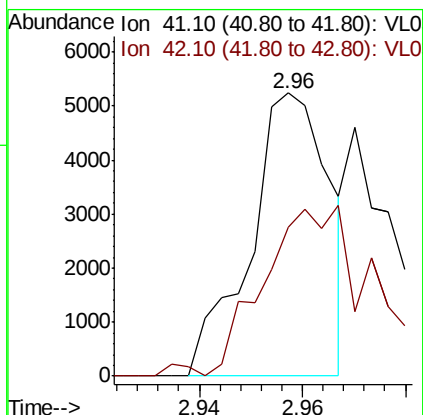
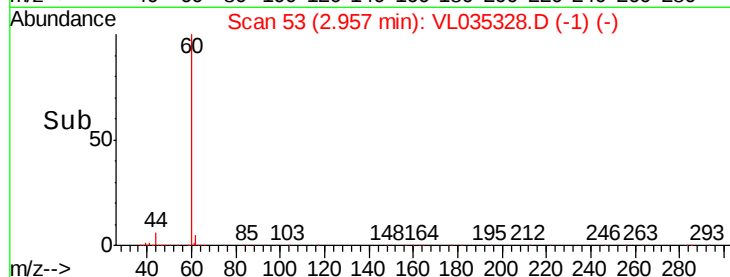
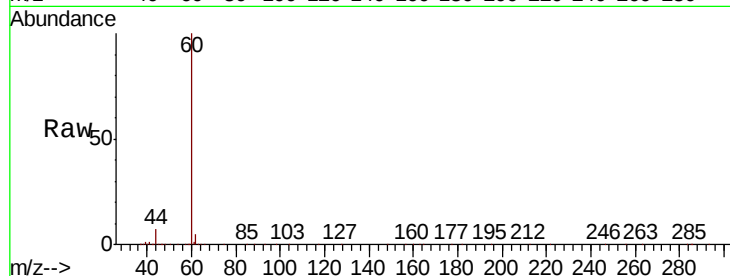
LAGCARB-IN-01DLDP

Tot Ion: 41 Resp: 5565

Ion Ratio Lower Upper

41 100

42 0.0 56.8 85.2#



#20

Methylene Chloride

Concen: 0.147 ppbv

RT: 4.31 min Scan# 473

Delta R.T. -0.00 min

Lab File: VL035328.D

Acq: 4 Aug 2020 00:50

Tgt Ion: 84 Resp: 11700

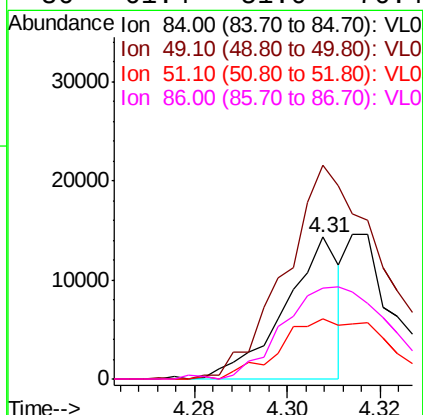
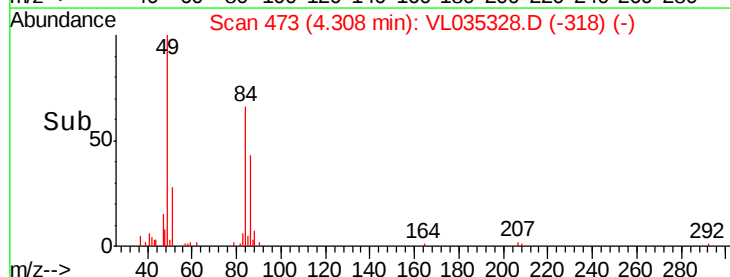
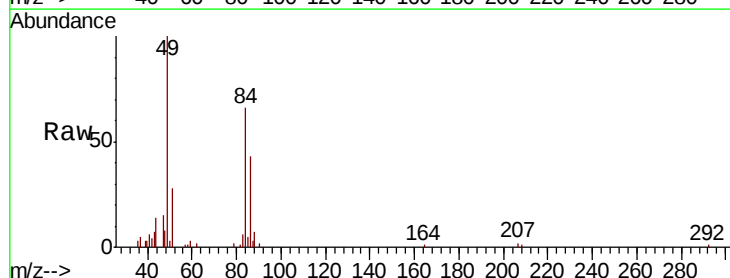
Ion Ratio Lower Upper

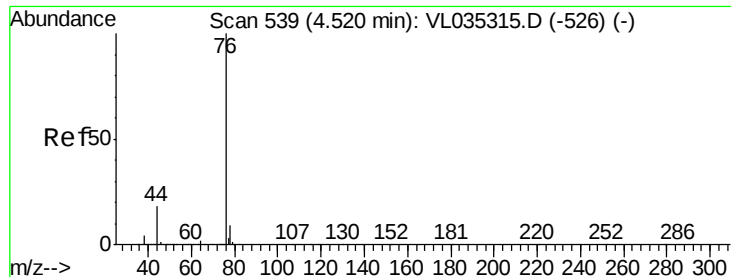
84 100

49 150.9 124.2 186.2

51 42.4 38.6 58.0

86 61.4 51.0 76.4





#27

Carbon Disulfide

Concen: 19.785 ppbv

RT: 4.52 min Scan# 539

Delta R.T. 0.00 min

Lab File: VL035328.D

Acq: 4 Aug 2020 00:50

Instrument :

MSVOA_L

ClientSampleId :

LAGCARB-IN-01DLDP

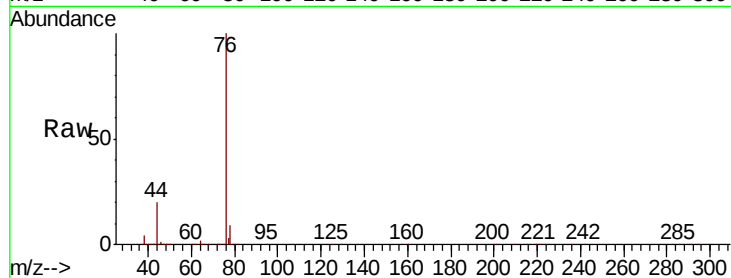
Tot Ion: 76 Resp: 3145179

Ion Ratio Lower Upper

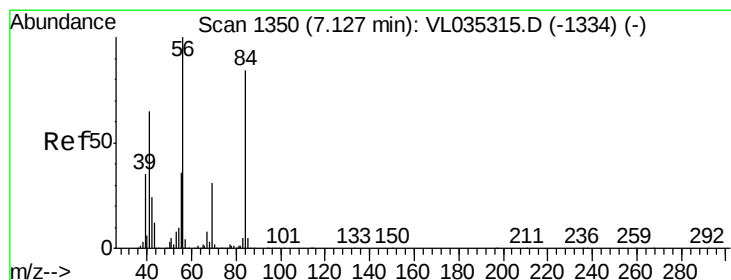
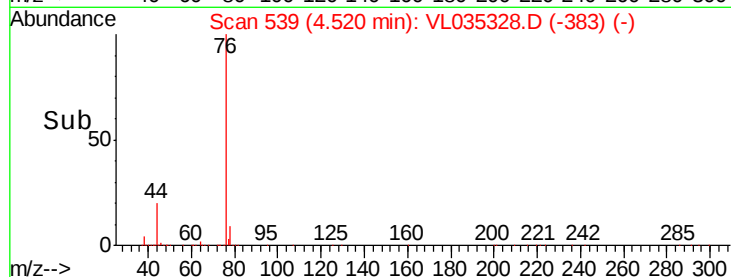
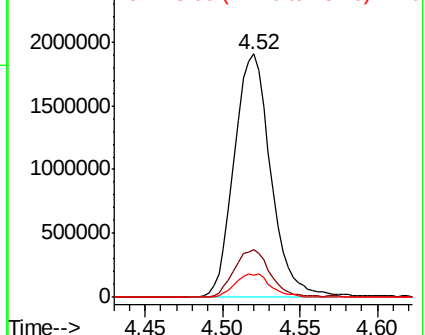
76 100

44 19.4 14.8 22.2

78 9.6 7.8 11.8



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#30

Cyclohexane

Concen: 0.078 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. 0.03 min

Lab File: VL035328.D

Acq: 4 Aug 2020 00:50

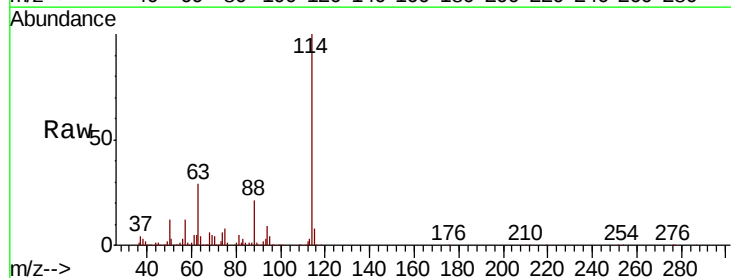
Tgt Ion: 84 Resp: 6905

Ion Ratio Lower Upper

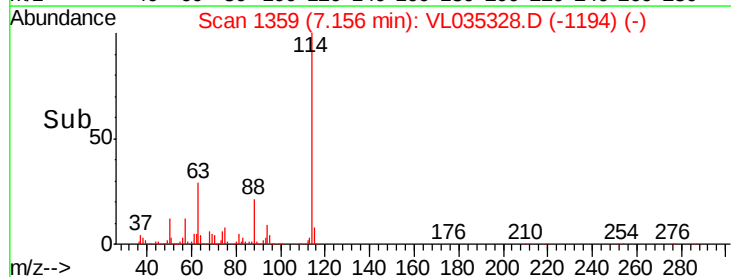
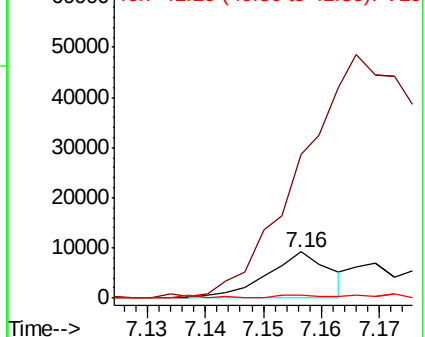
84 100

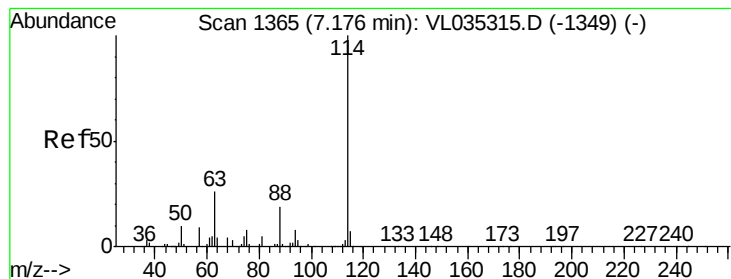
56 0.0 103.0 154.6#

41 0.0 62.7 94.1#



Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VL035328.D

Acq: 4 Aug 2020 00:50

Instrument :

MSVOA_L

ClientSampleId :

LAGCARB-IN-01DLDP

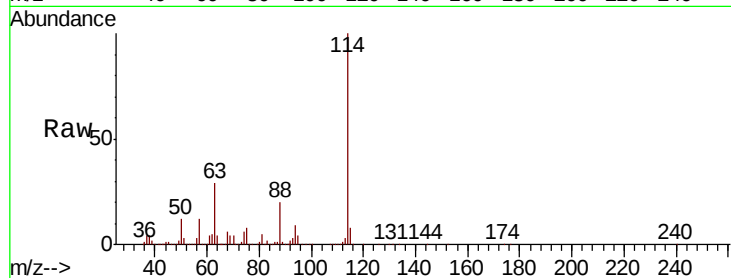
Tot Ion:114 Resp: 2992012

Ion Ratio Lower Upper

114 100

63 27.9 21.5 32.3

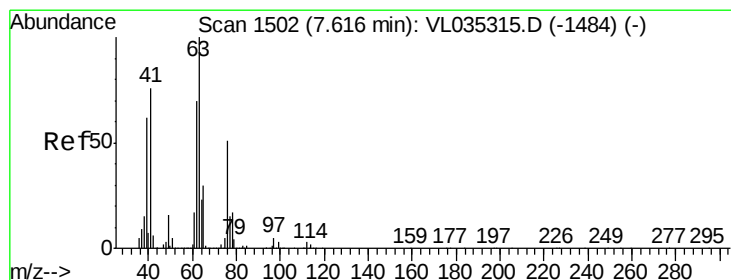
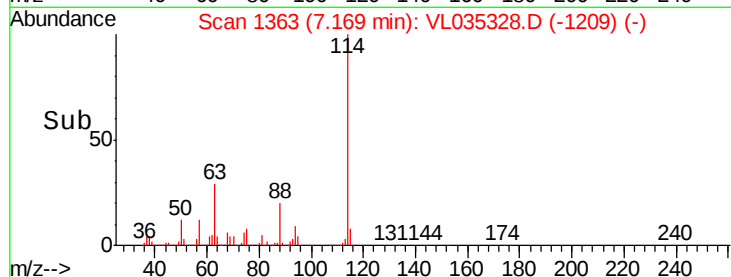
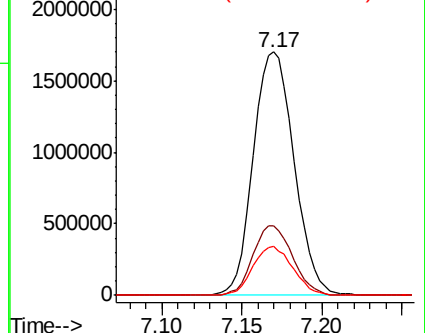
88 19.8 15.3 22.9



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: 9.645 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.45 min

Lab File: VL035328.D

Acq: 4 Aug 2020 00:50

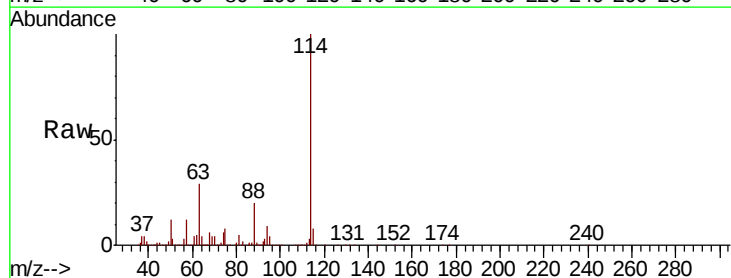
Tgt Ion: 63 Resp: 833755

Ion Ratio Lower Upper

63 100

41 0.1 61.0 91.4#

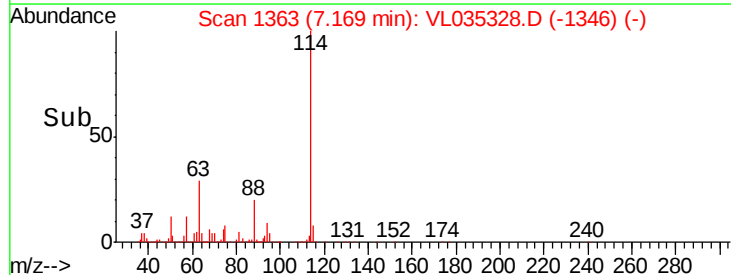
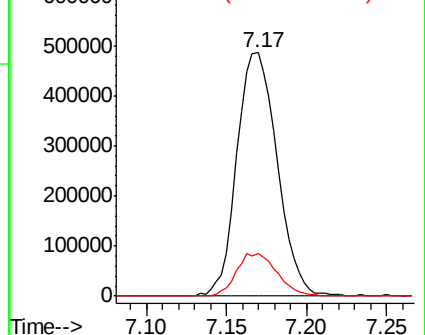
62 17.6 55.8 83.8#

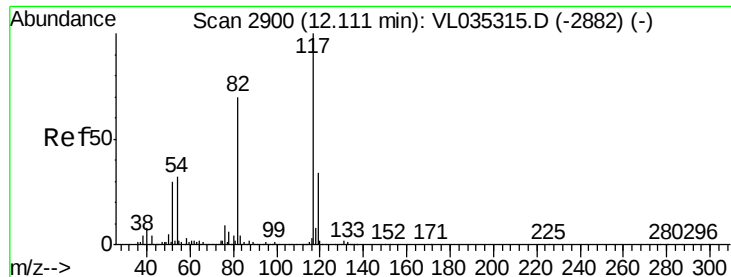


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

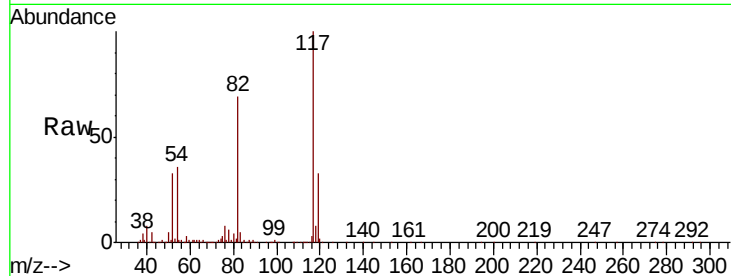




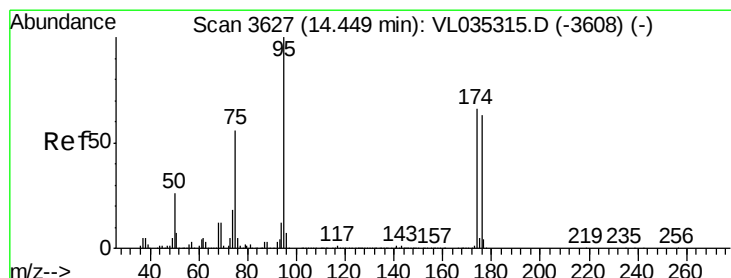
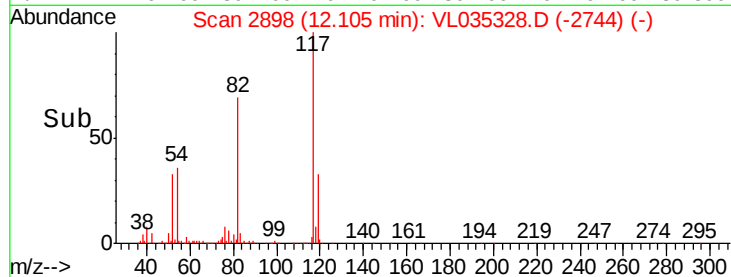
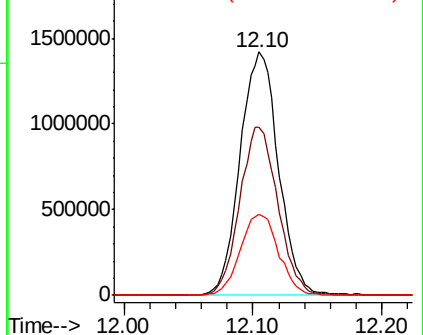
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2898
Delta R.T. -0.01 min
Lab File: VL035328.D
Acq: 4 Aug 2020 00:50

Instrument :
MSVOA_L
ClientSampleId :
LAGCARB-IN-01DLDP

Tot Ion:117 Resp: 2947763
Ion Ratio Lower Upper
117 100
82 68.8 50.6 76.0
119 33.5 24.1 36.1

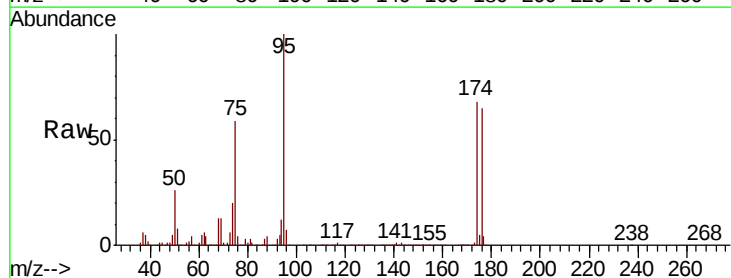


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.983 ppbv
RT: 14.44 min Scan# 3625
Delta R.T. -0.01 min
Lab File: VL035328.D
Acq: 4 Aug 2020 00:50

Tgt Ion: 95 Resp: 2464990
Ion Ratio Lower Upper
95 100
174 66.5 52.5 78.7
175 4.9 3.9 5.9



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

