

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080320\
 Data File : VL035325.D
 Acq On : 3 Aug 2020 22:58
 Operator : SY/AP
 Sample : L3540-01 120X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LAGCARB-IN-01

Quant Time: Aug 04 05:40:04 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	1149601	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2922091	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2734652	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2284073	9.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.70%

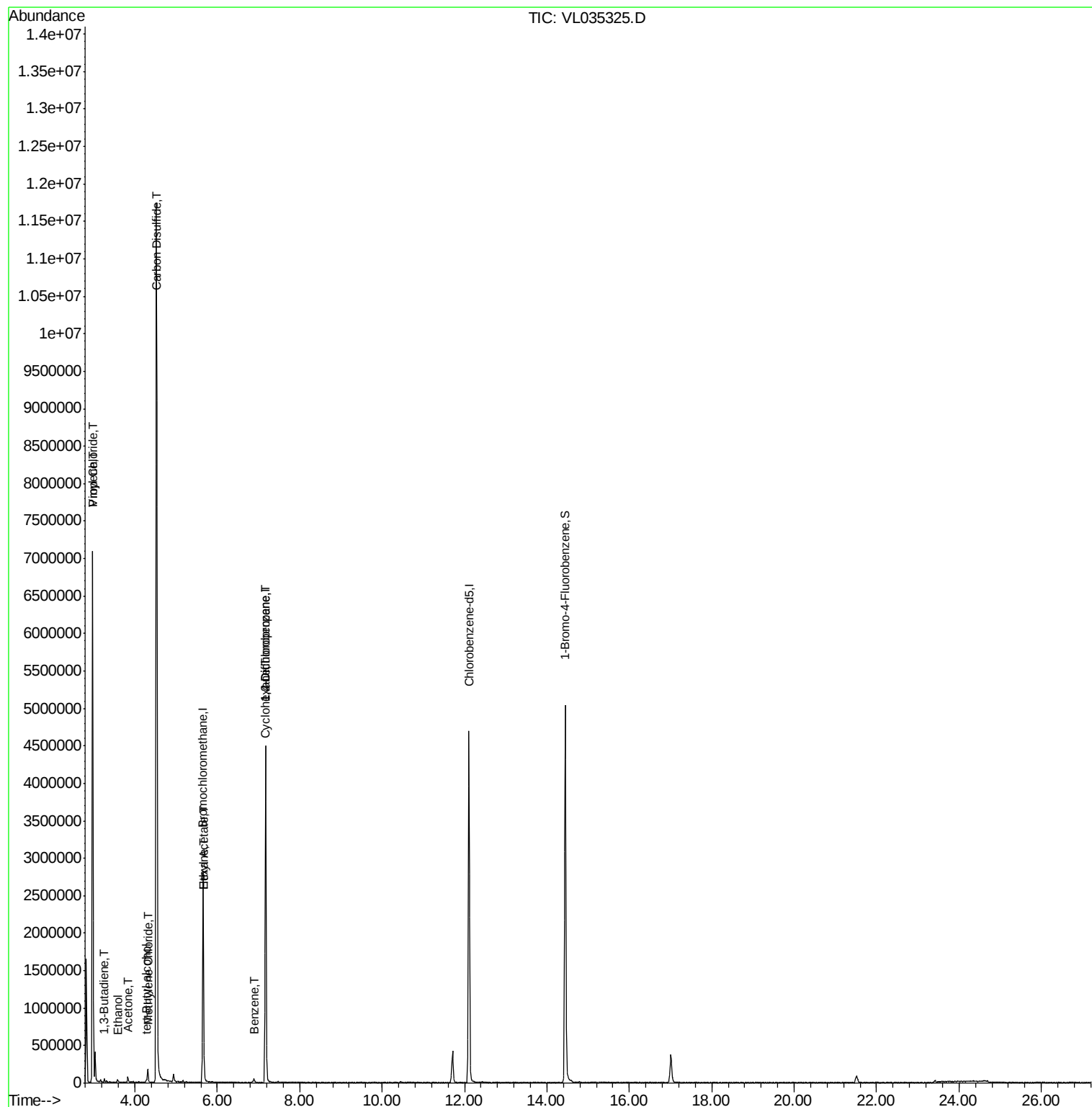
Target Compounds					Ovalue
5) Vinyl Chloride	2.97	62	825766	11.242	ppbv # 48
9) Propene	2.96	41	78485	1.644	ppbv 94
13) Ethanol	3.57	45	22847	1.296	ppbv 78
15) Acetone	3.83	43	63866	0.384	ppbv 90
16) 1,3-Butadiene	3.26	39	7467	0.120	ppbv # 18
17) tert-Butyl alcohol	4.28	59	17836	0.118	ppbv # 59
20) Methylene Chloride	4.31	84	50821	0.669	ppbv # 90
25) Ethyl Acetate	5.67	43	10565	0.042	ppbv # 77
26) Hexane	5.67	57	12981	0.115	ppbv # 30
27) Carbon Disulfide	4.52	76	13605934	89.880	ppbv # 69
30) Cyclohexane	7.16	84	8295	0.098	ppbv # 2
36) Benzene	6.89	78	23168	0.108	ppbv # 89
39) 1,2-Dichloropropane	7.17	63	782454	9.268	ppbv # 24

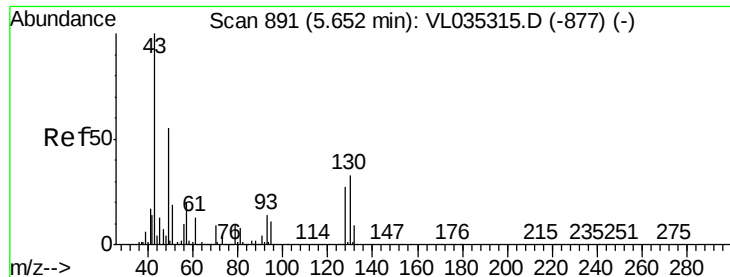
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Aug 04 05:40:04 2020
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.00 min

Lab File: VL035325.D

Acq: 3 Aug 2020 22:58

Instrument :

MSVOA_L

ClientSampleId :

LAGCARB-IN-01

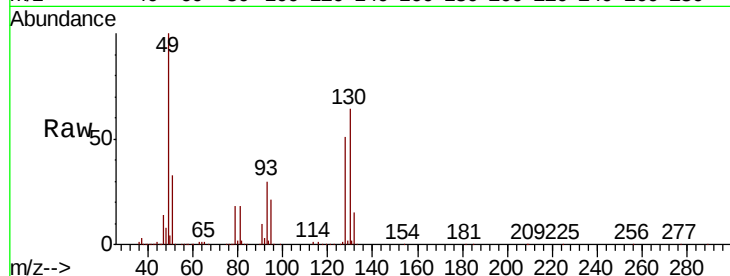
Tot Ion: 49 Resp: 1149601

Ion Ratio Lower Upper

49 100

128 52.1 23.8 71.5

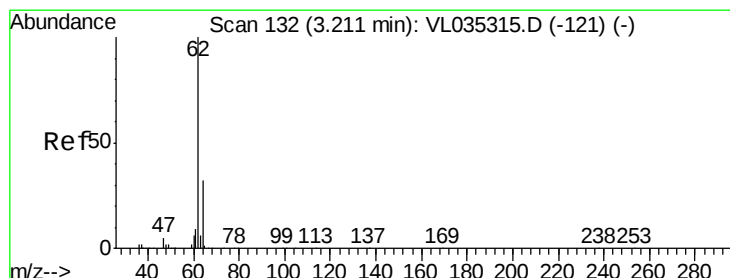
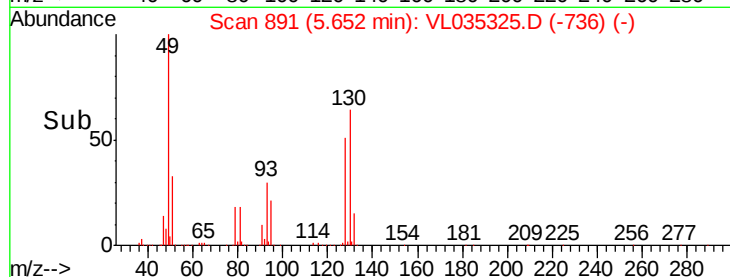
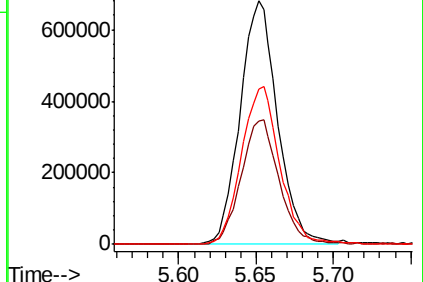
130 66.5 31.4 94.3



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: 11.242 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.24 min

Lab File: VL035325.D

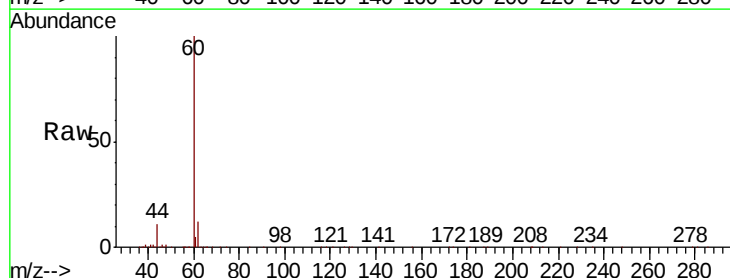
Acq: 3 Aug 2020 22:58

Tgt Ion: 62 Resp: 825766

Ion Ratio Lower Upper

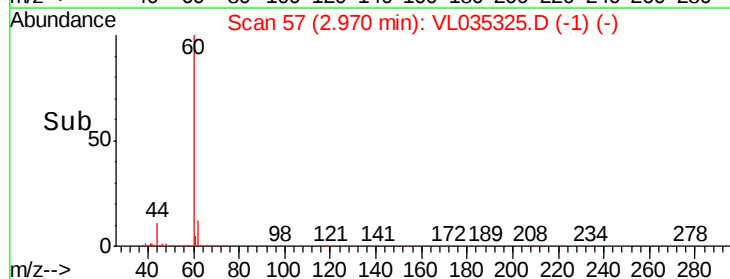
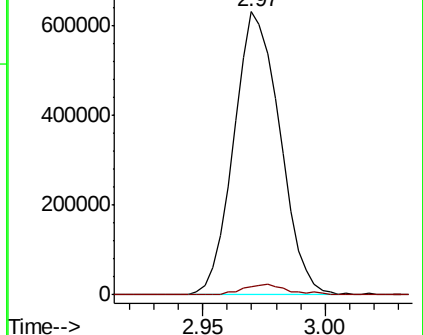
62 100

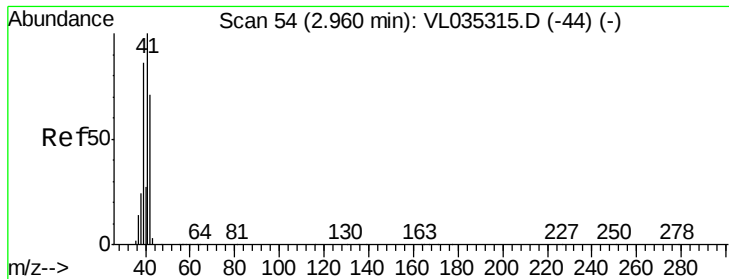
64 3.0 25.9 38.9#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#9

Propene

Concen: 1.644 ppbv

RT: 2.96 min Scan# 55

Delta R.T. 0.00 min

Lab File: VL035325.D

Acq: 3 Aug 2020 22:58

Instrument :

MSVOA_L

ClientSampleId :

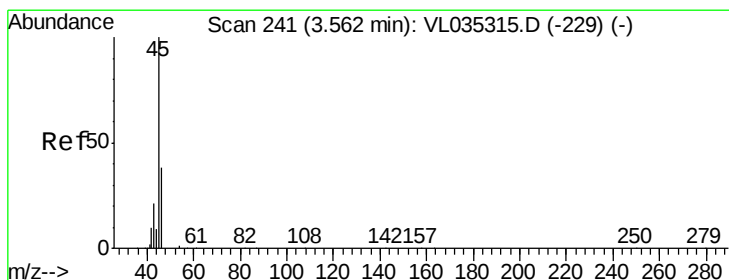
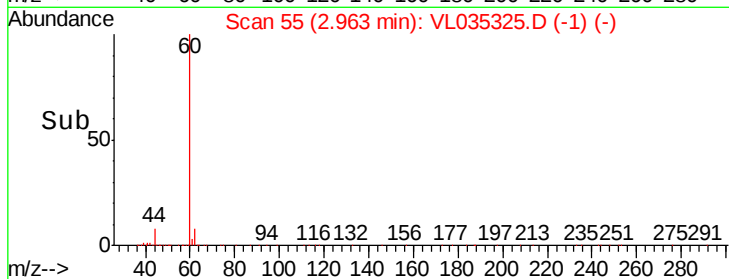
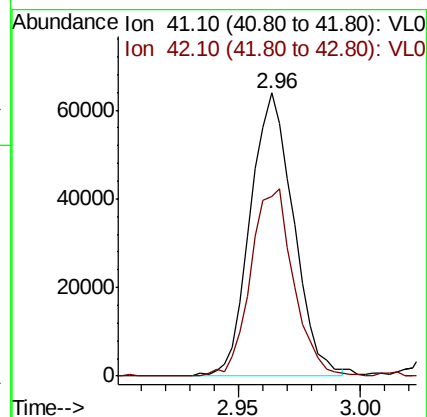
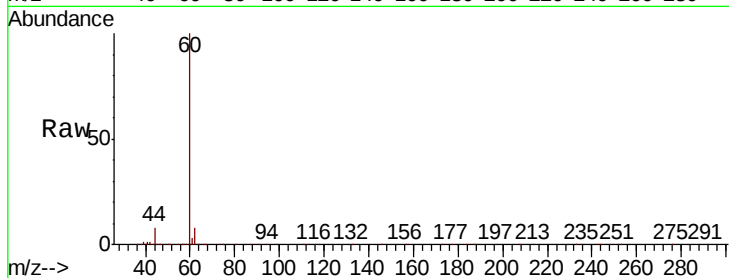
LAGCARB-IN-01

Tot Ion: 41 Resp: 78485

Ion Ratio Lower Upper

41 100

42 65.7 56.8 85.2



#13

Ethanol

Concen: 1.296 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.01 min

Lab File: VL035325.D

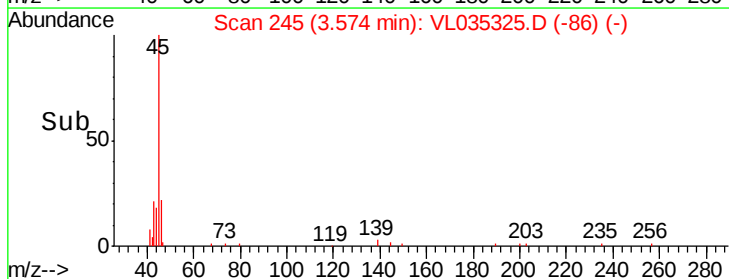
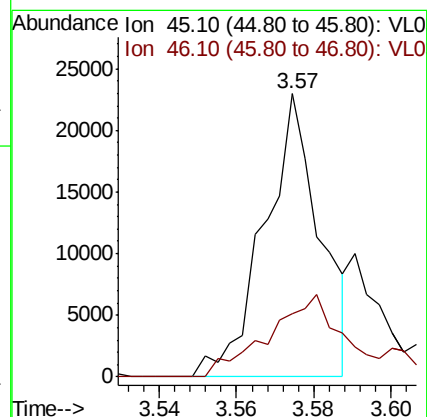
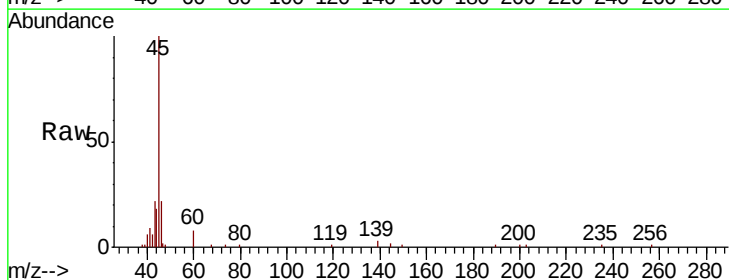
Acq: 3 Aug 2020 22:58

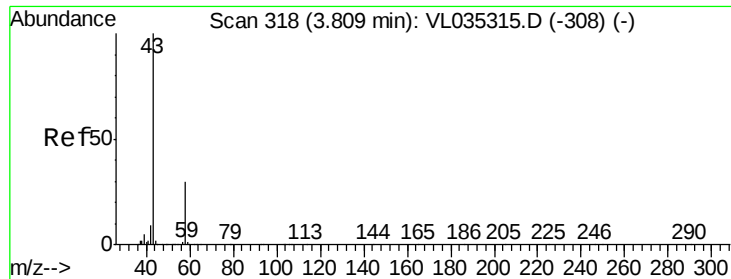
Tgt Ion: 45 Resp: 22847

Ion Ratio Lower Upper

45 100

46 48.9 14.5 57.9





#15

Acetone

Concen: 0.384 ppbv

RT: 3.83 min Scan# 324

Delta R.T. 0.02 min

Lab File: VL035325.D

Acq: 3 Aug 2020 22:58

Instrument :

MSVOA_L

ClientSampleId :

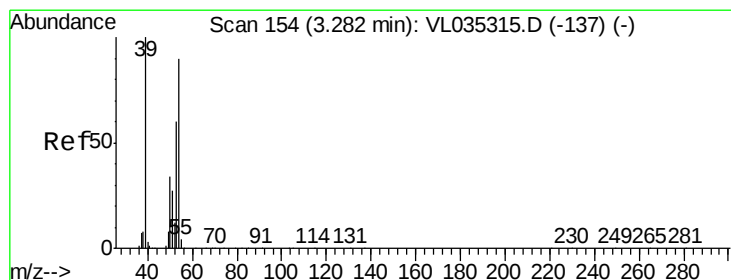
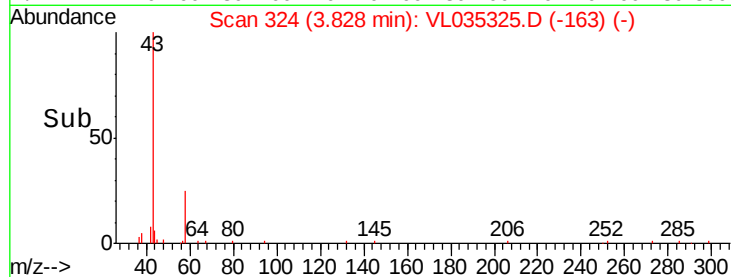
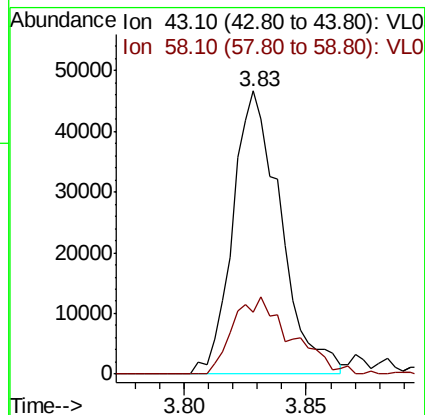
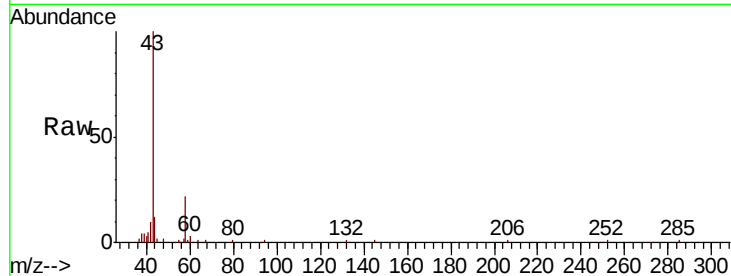
LAGCARB-IN-01

Tot Ion: 43 Resp: 63866

Ion Ratio Lower Upper

43 100

58 32.6 22.1 33.1



#16

1,3-Butadiene

Concen: 0.120 ppbv

RT: 3.26 min Scan# 147

Delta R.T. -0.02 min

Lab File: VL035325.D

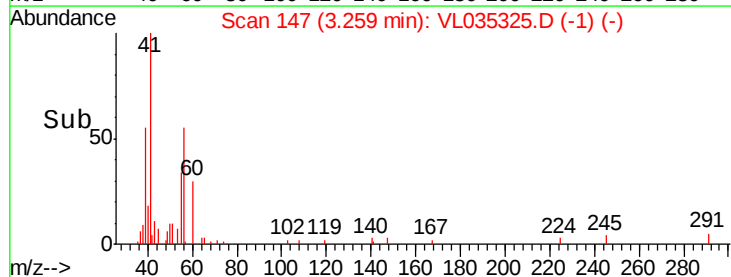
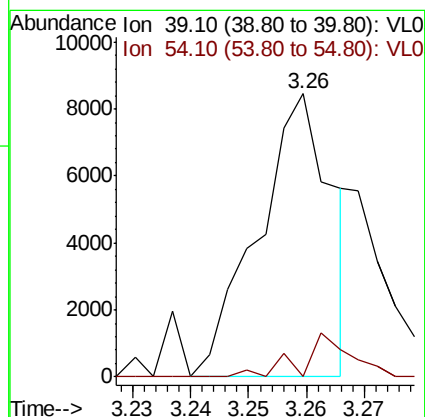
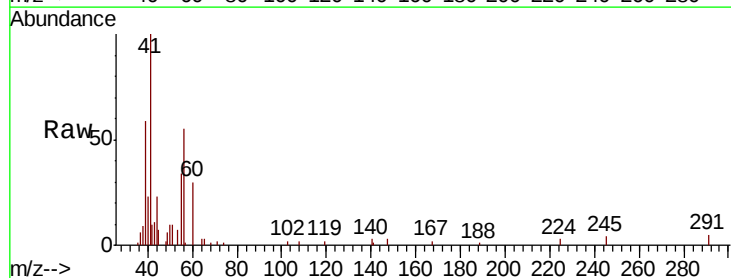
Acq: 3 Aug 2020 22:58

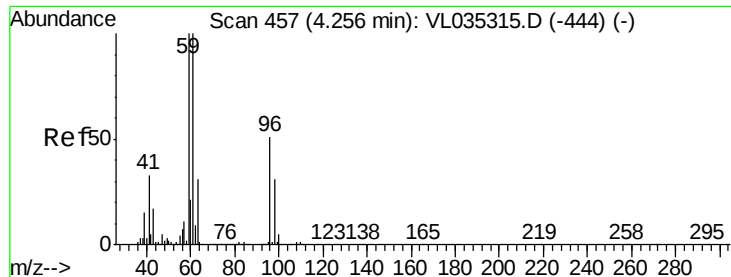
Tgt Ion: 39 Resp: 7467

Ion Ratio Lower Upper

39 100

54 10.1 68.0 102.0#



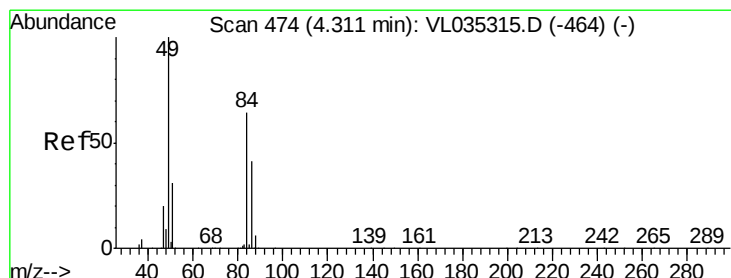
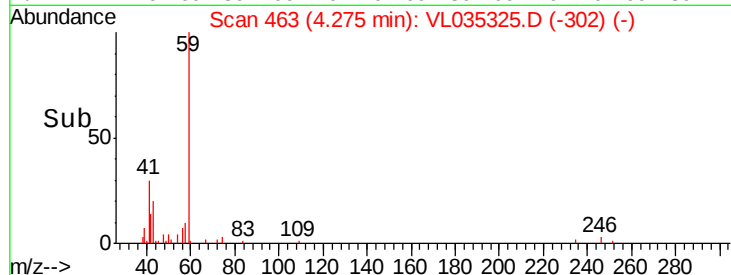
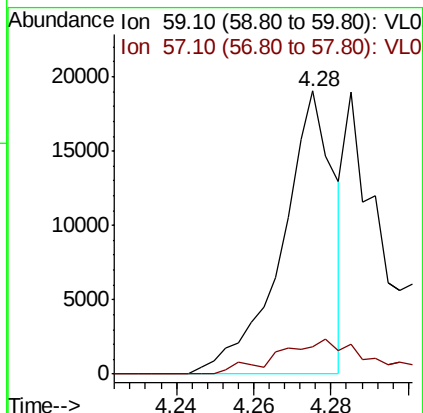
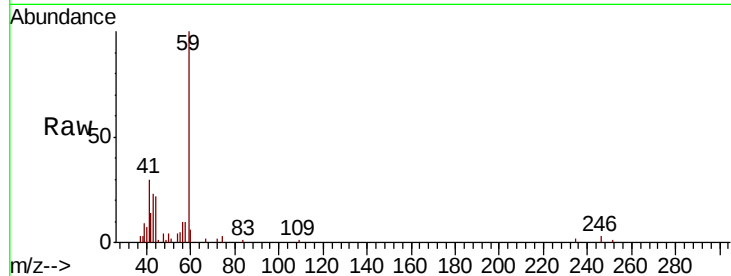


#17

tert-Butyl alcohol
 Concen: 0.118 ppbv
 RT: 4.28 min Scan# 463
 Delta R.T. 0.02 min
 Lab File: VL035325.D
 Acq: 3 Aug 2020 22:58

Instrument :
 MSVOA_L
 ClientSampleId :
 LAGCARB-IN-01

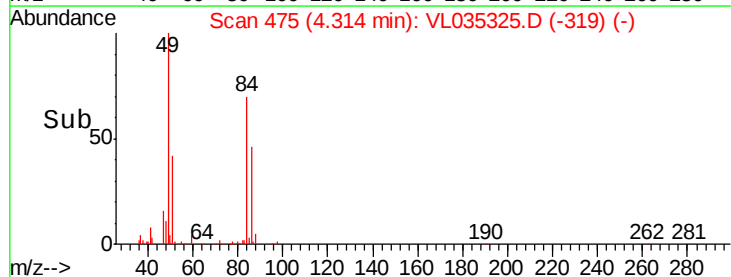
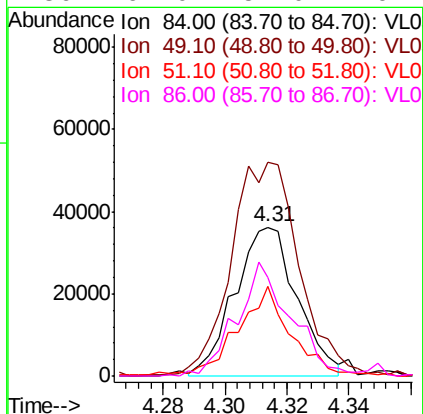
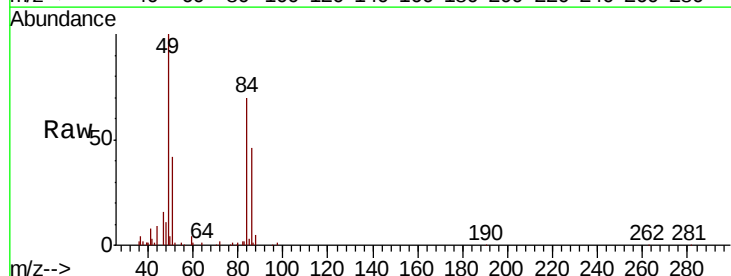
Tot Ion: 59 Resp: 17836
 Ion Ratio Lower Upper
 59 100
 57 26.4 8.6 13.0#

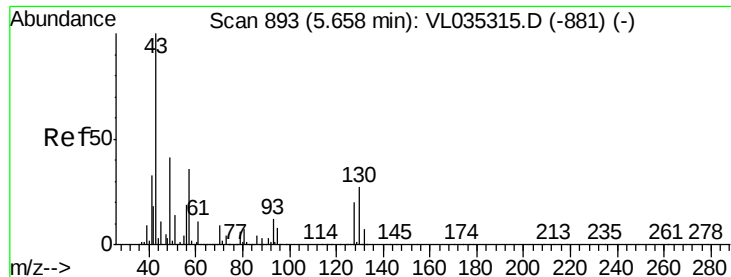


#20

Methylene Chloride
 Concen: 0.669 ppbv
 RT: 4.31 min Scan# 475
 Delta R.T. 0.00 min
 Lab File: VL035325.D
 Acq: 3 Aug 2020 22:58

Tgt Ion: 84 Resp: 50821
 Ion Ratio Lower Upper
 84 100
 49 140.1 124.2 186.2
 51 59.6 38.6 58.0#
 86 64.0 51.0 76.4





#25

Ethyl Acetate

Concen: 0.042 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL035325.D

Acq: 3 Aug 2020 22:58

Instrument :

MSVOA_L

ClientSampleId :

LAGCARB-IN-01

Tot Ion: 43 Resp: 10565

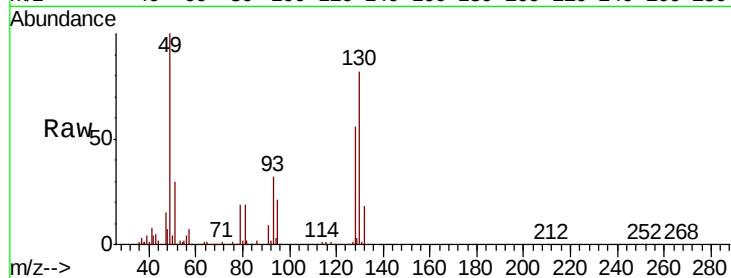
Ion Ratio Lower Upper

43 100

45 21.0 8.6 12.8#

61 0.0 8.1 12.1#

70 3.2 6.5 9.7#

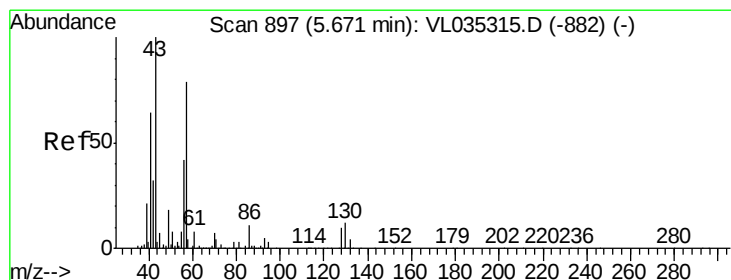
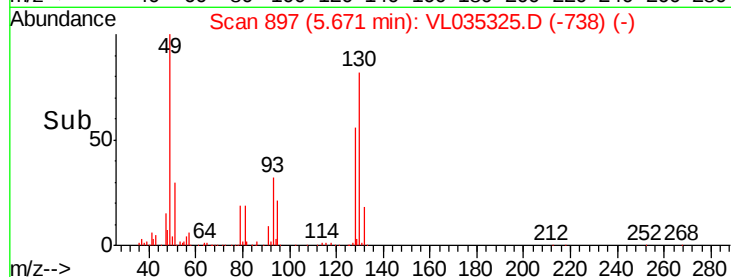
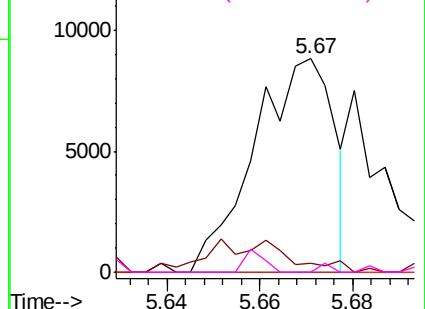


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.115 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL035325.D

Acq: 3 Aug 2020 22:58

Tgt Ion: 57 Resp: 12981

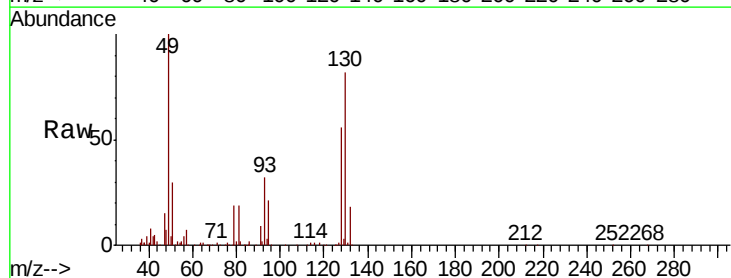
Ion Ratio Lower Upper

57 100

41 168.6 72.1 108.1#

43 122.1 179.0 268.6#

56 108.1 42.7 64.1#

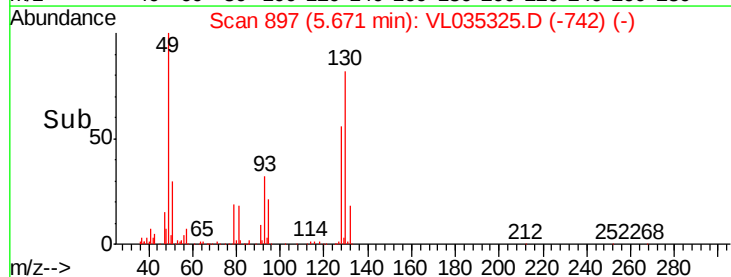
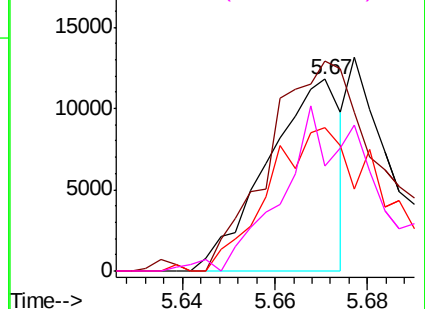


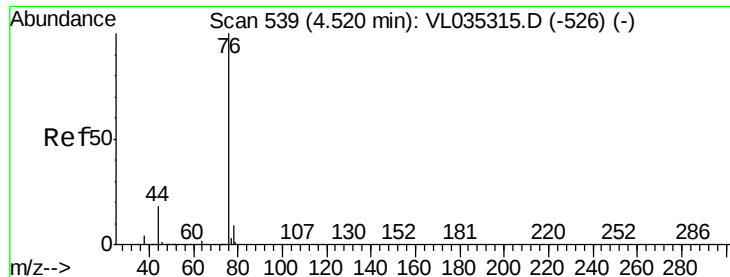
Abundance Ion 57.10 (56.80 to 57.80): VL0

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





#27

Carbon Disulfide

Concen: 89.880 ppbv

RT: 4.52 min Scan# 540

Delta R.T. 0.00 min

Lab File: VL035325.D

Acq: 3 Aug 2020 22:58

Instrument :

MSVOA_L

ClientSampleId :

LAGCARB-IN-01

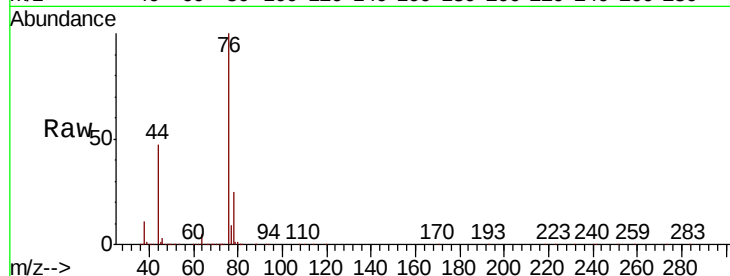
Tot Ion: 76 Resp:13605934

Ion Ratio Lower Upper

76 100

44 34.8 14.8 22.2#

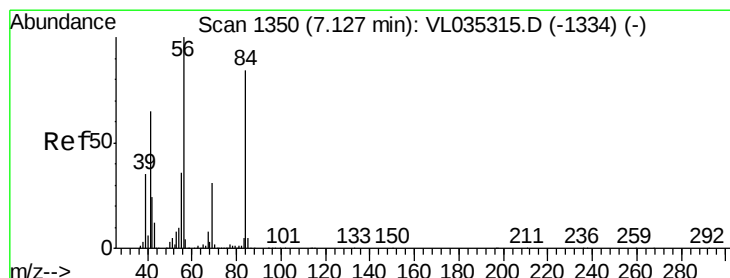
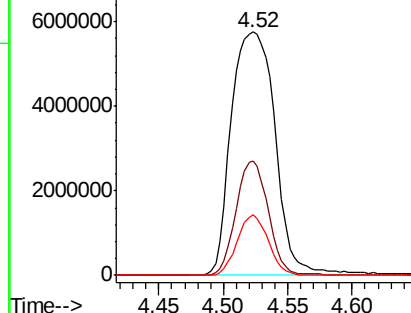
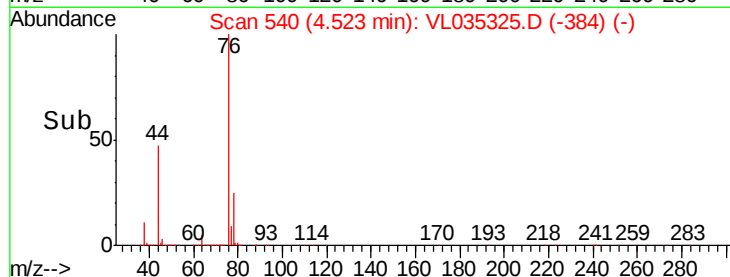
78 17.9 7.8 11.8#



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: 0.098 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. 0.03 min

Lab File: VL035325.D

Acq: 3 Aug 2020 22:58

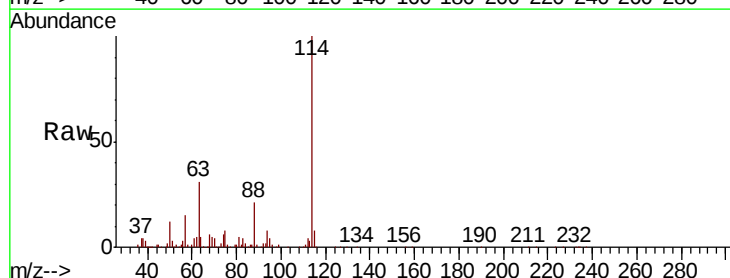
Tgt Ion: 84 Resp: 8295

Ion Ratio Lower Upper

84 100

56 0.0 103.0 154.6#

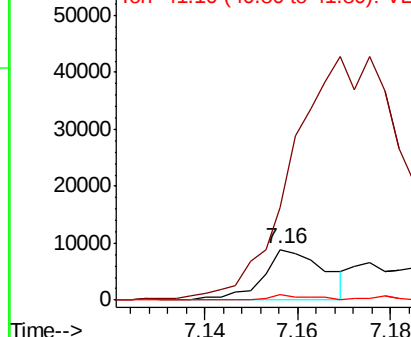
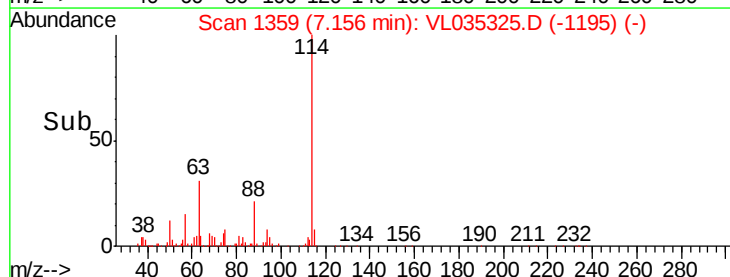
41 12.1 62.7 94.1#

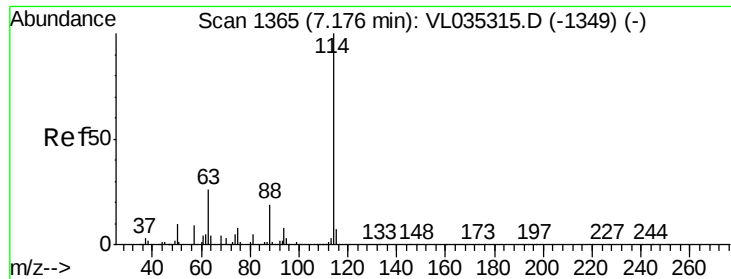


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

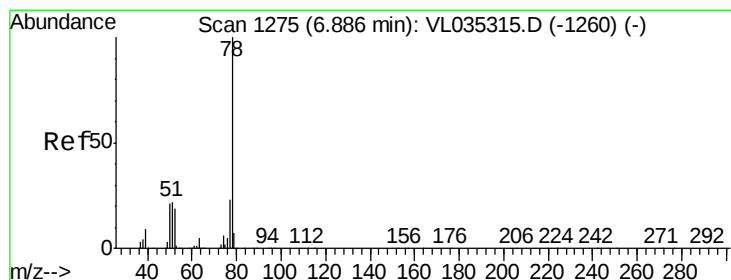
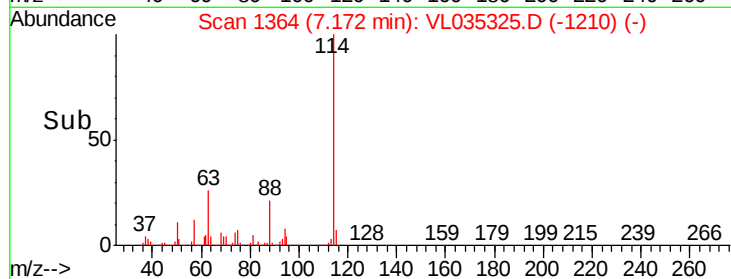
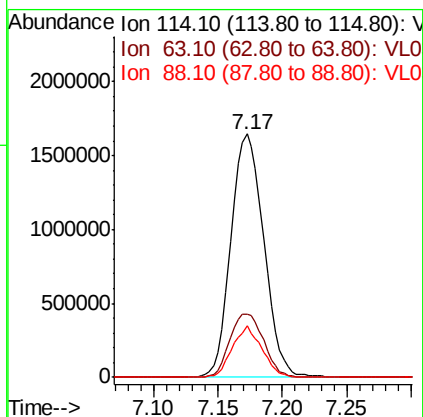
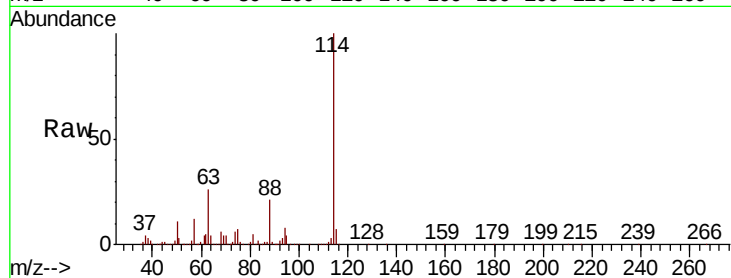




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VL035325.D
 Acq: 3 Aug 2020 22:58

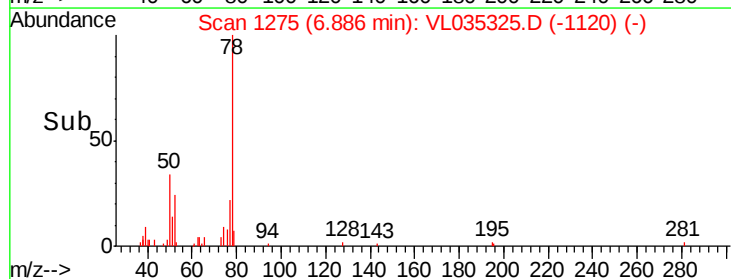
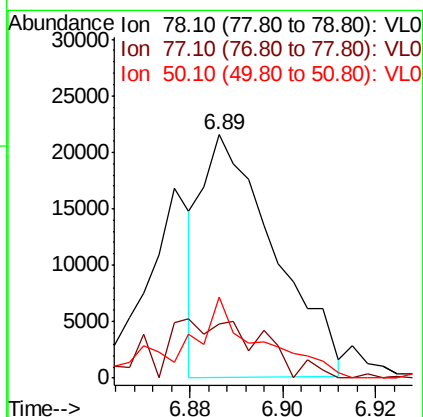
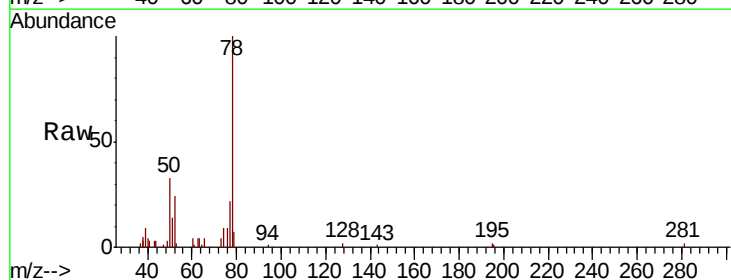
Instrument :
 MSVOA_L
 ClientSampleId :
 LAGCARB-IN-01

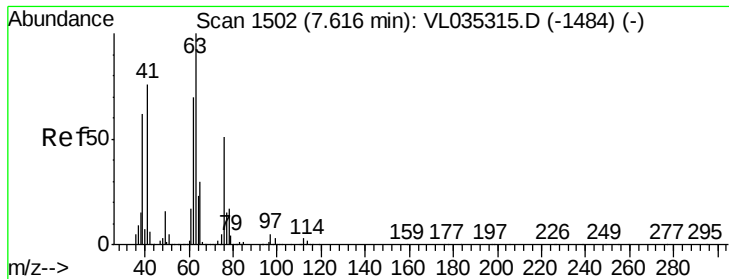
Tot Ion:114 Resp: 2922091
 Ion Ratio Lower Upper
 114 100
 63 27.0 21.5 32.3
 88 19.1 15.3 22.9



#36
 Benzene
 Concen: 0.108 ppbv
 RT: 6.89 min Scan# 1275
 Delta R.T. -0.00 min
 Lab File: VL035325.D
 Acq: 3 Aug 2020 22:58

Tgt Ion: 78 Resp: 23168
 Ion Ratio Lower Upper
 78 100
 77 22.3 18.4 27.6
 50 31.3 16.6 25.0#

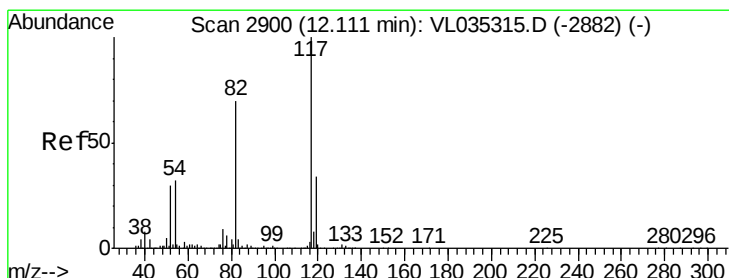
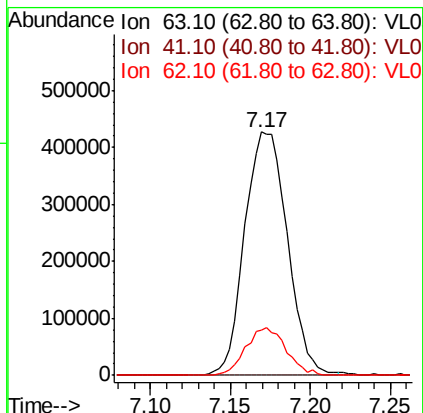
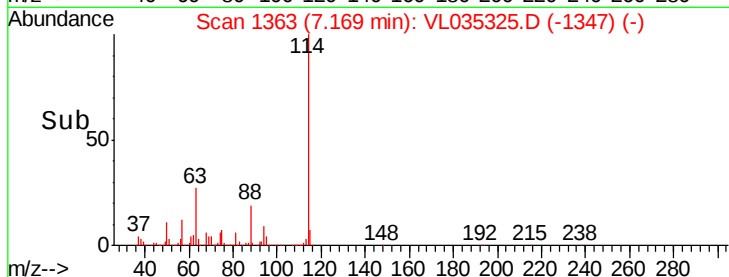
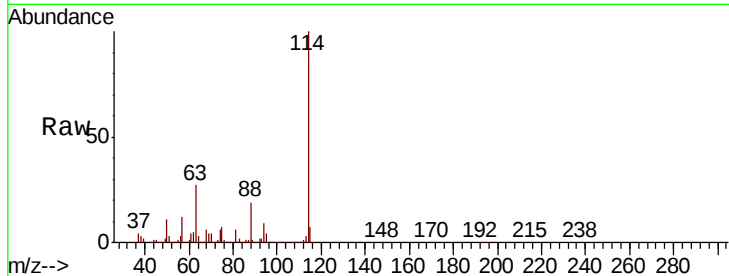




#39
 1,2-Dichloropropane
 Concen: 9.268 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.45 min
 Lab File: VL035325.D
 Acq: 3 Aug 2020 22:58

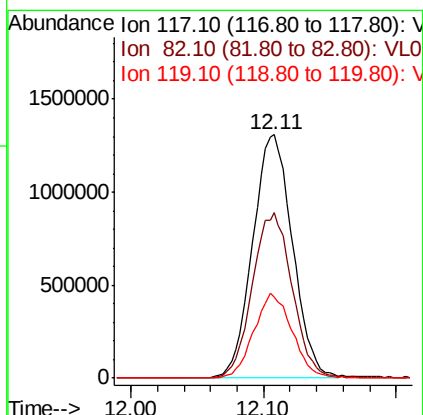
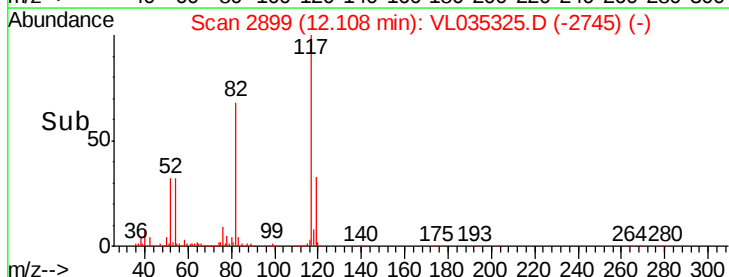
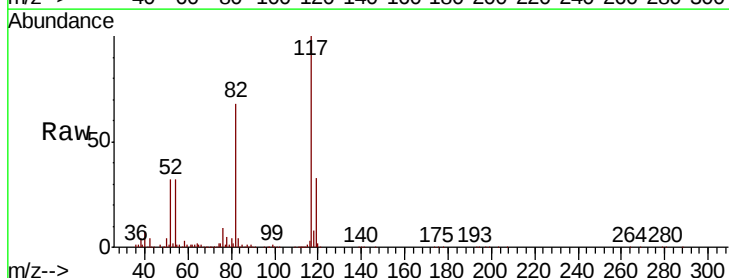
Instrument :
 MSVOA_L
 ClientSampleId :
 LAGCARB-IN-01

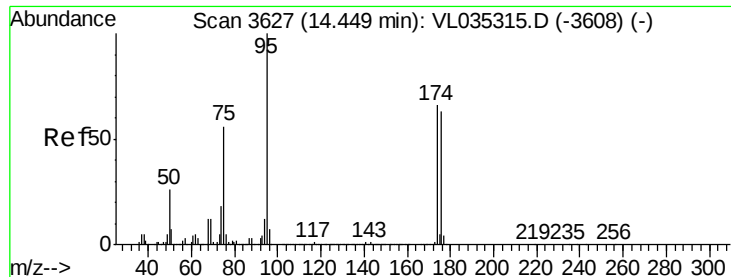
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	61.0	91.4#
62	18.7	55.8	83.8#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.11 min Scan# 2899
 Delta R.T. -0.00 min
 Lab File: VL035325.D
 Acq: 3 Aug 2020 22:58

Tgt Ion	Ratio	Lower	Upper
117	100		
82	68.1	50.6	76.0
119	33.5	24.1	36.1





#68

1-Bromo-4-Fluorobenzene

Concen: 9.971 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.01 min

Lab File: VL035325.D

Acq: 3 Aug 2020 22:58

Instrument :

MSVOA_L

ClientSampleId :

LAGCARB-IN-01

Tot Ion: 95 Resp: 2284073

Ion Ratio Lower Upper

95 100

174 64.7 52.5 78.7

175 4.8 3.9 5.9

