

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080320\
 Data File : VL035326.D
 Acq On : 3 Aug 2020 23:35
 Operator : SY/AP
 Sample : L3540-01 120XDUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LAGCARB-IN-01DL

Quant Time: Aug 04 05:40:15 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	1144044	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2886576	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	2671970	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2170523	9.70	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

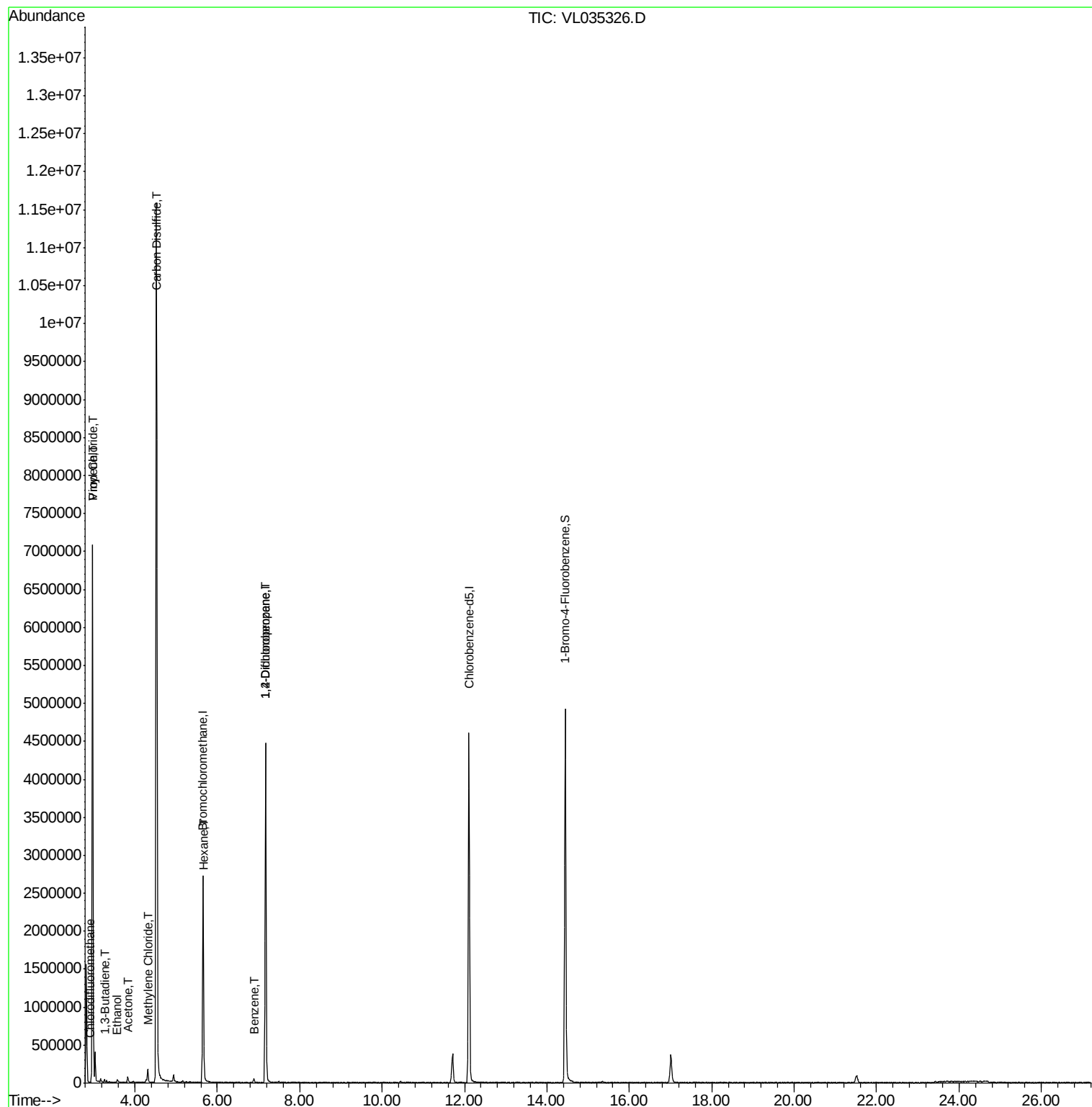
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.92	51	5343	0.041	ppbv #	63
5) Vinyl Chloride	2.97	62	811737	11.105	ppbv #	49
9) Propene	2.96	41	70415	1.482	ppbv	98
13) Ethanol	3.57	45	10466	0.596	ppbv #	39
15) Acetone	3.83	43	60140	0.364	ppbv #	81
16) 1,3-Butadiene	3.26	39	7177	0.116	ppbv #	16
20) Methylene Chloride	4.31	84	52577	0.696	ppbv	95
26) Hexane	5.67	57	14174	0.127	ppbv #	1
27) Carbon Disulfide	4.52	76	13418060	89.070	ppbv #	69
36) Benzene	6.88	78	33170	0.157	ppbv #	90
39) 1,2-Dichloropropane	7.17	63	786713	9.433	ppbv #	23

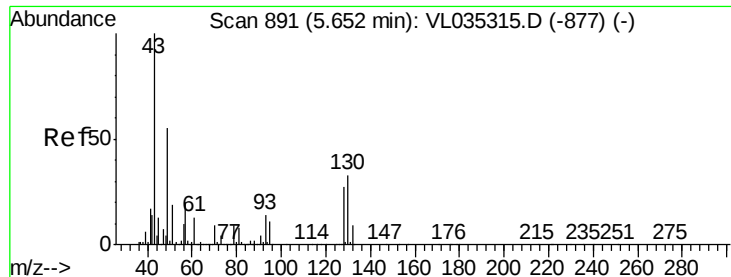
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080320\
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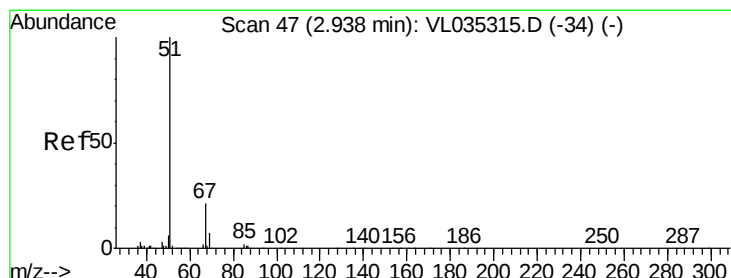
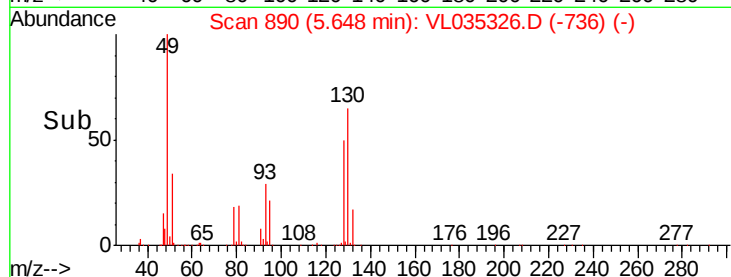
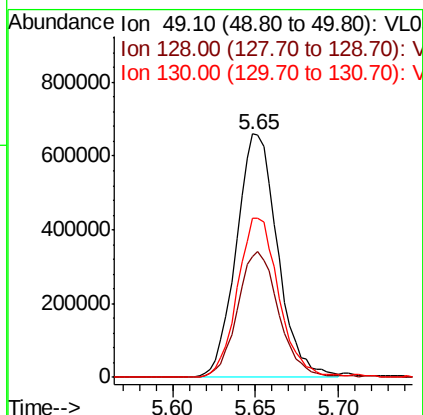
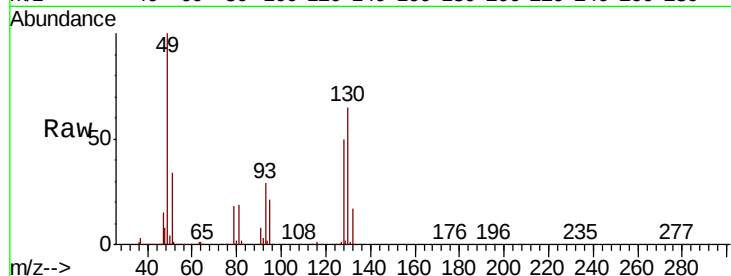




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.00 min
Lab File: VL035326.D
Acq: 3 Aug 2020 23:35

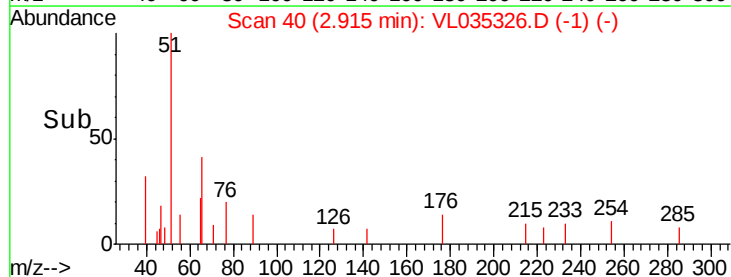
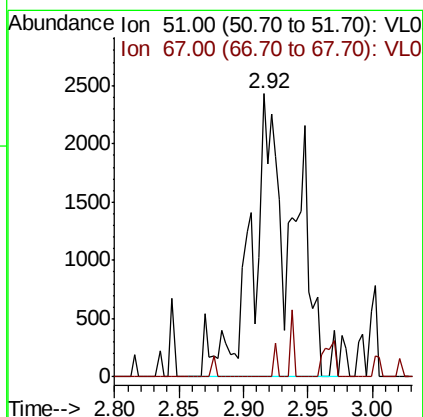
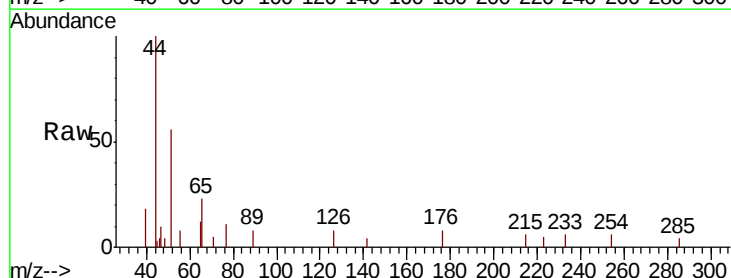
Instrument :
MSVOA_L
ClientSampleId :
LAGCARB-IN-01DL

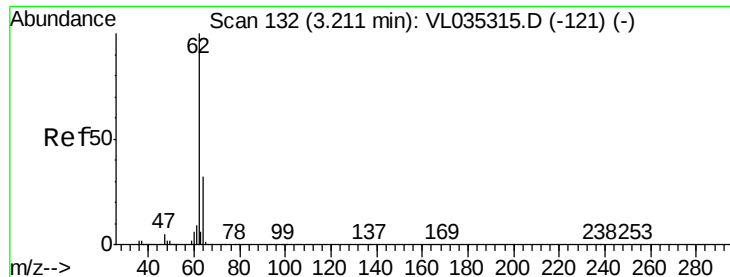
Tot Ion: 49 Resp: 1144044
Ion Ratio Lower Upper
49 100
128 52.0 23.8 71.5
130 66.5 31.4 94.3



#3
Chlorodifluoromethane
Concen: 0.041 ppbv
RT: 2.92 min Scan# 40
Delta R.T. -0.02 min
Lab File: VL035326.D
Acq: 3 Aug 2020 23:35

Tgt Ion: 51 Resp: 5343
Ion Ratio Lower Upper
51 100
67 3.1 16.2 24.2#





#5

Vinyl Chloride

Concen: 11.105 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.24 min

Lab File: VL035326.D

Acq: 3 Aug 2020 23:35

Instrument :

MSVOA_L

ClientSampleId :

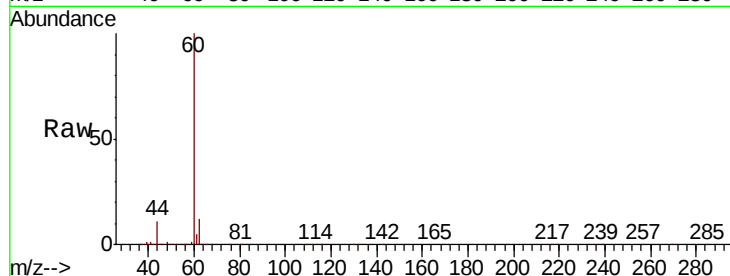
LAGCARB-IN-01DL

Tot Ion: 62 Resp: 811737

Ion Ratio Lower Upper

62 100

64 3.6 25.9 38.9#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

2.97

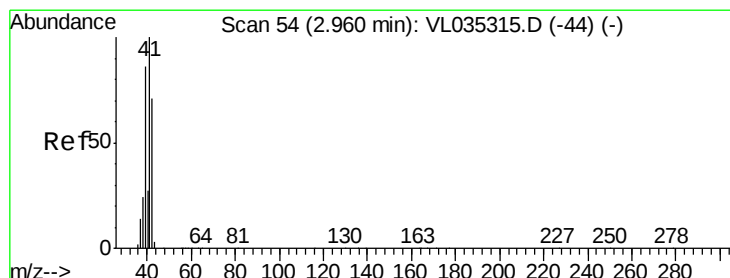
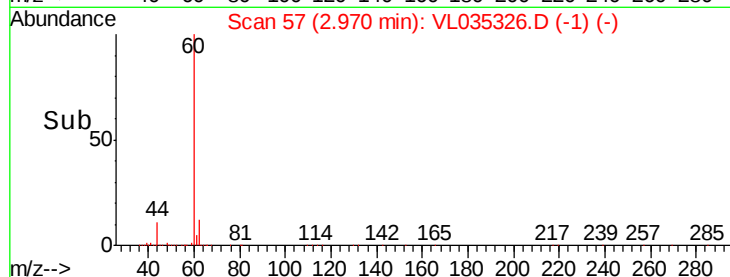
600000

400000

200000

0

Time--> 2.90 2.95 3.00



#9

Propene

Concen: 1.482 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.00 min

Lab File: VL035326.D

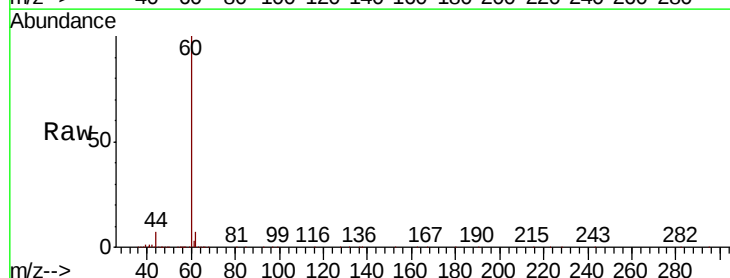
Acq: 3 Aug 2020 23:35

Tgt Ion: 41 Resp: 70415

Ion Ratio Lower Upper

41 100

42 72.9 56.8 85.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

2.96

60000

50000

40000

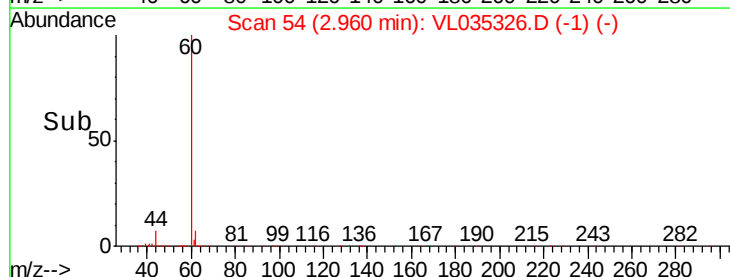
30000

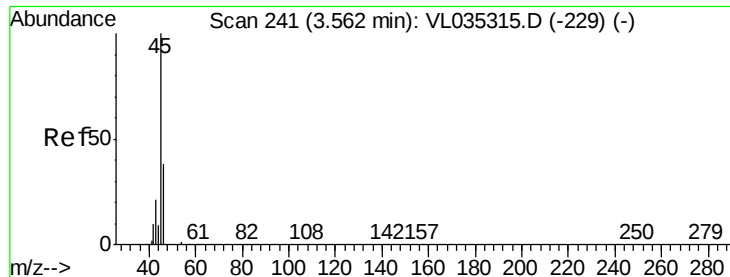
20000

10000

0

Time--> 2.90 2.95 3.00





#13

Ethanol

Concen: 0.596 ppbv

RT: 3.57 min Scan# 243

Delta R.T. 0.01 min

Lab File: VL035326.D

Acq: 3 Aug 2020 23:35

Instrument :

MSVOA_L

ClientSampleId :

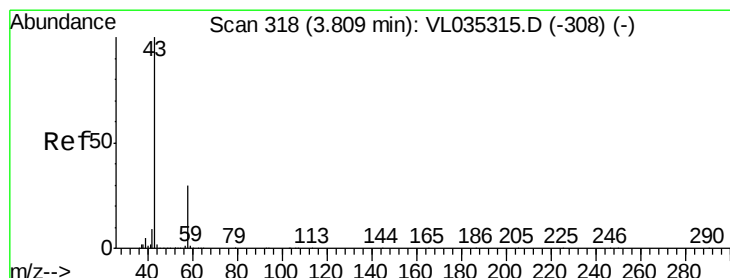
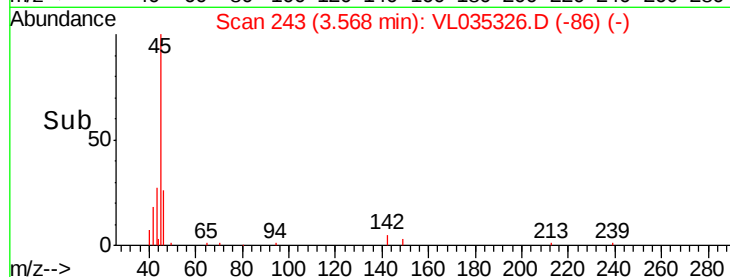
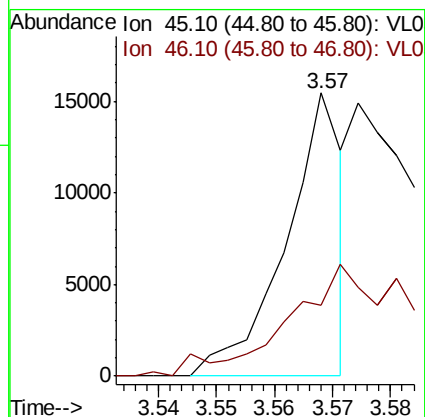
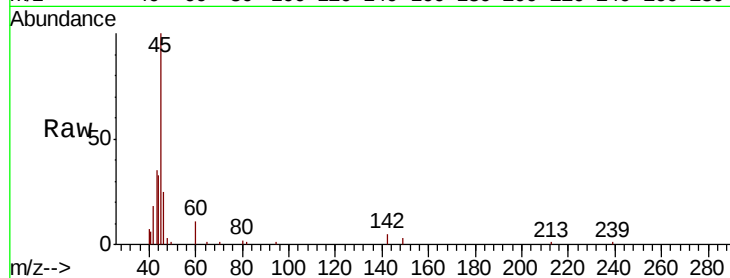
LAGCARB-IN-01DL

Tot Ion: 45 Resp: 10466

Ion Ratio Lower Upper

45 100

46 0.0 14.5 57.9#



#15

Acetone

Concen: 0.364 ppbv

RT: 3.83 min Scan# 324

Delta R.T. 0.02 min

Lab File: VL035326.D

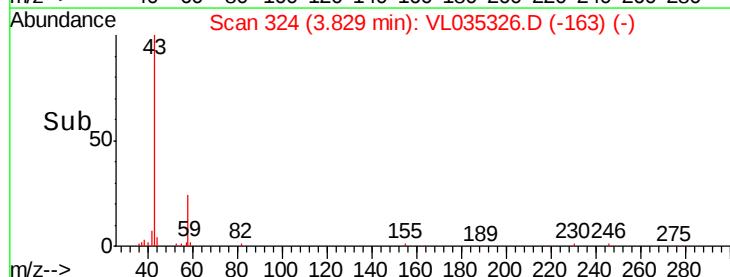
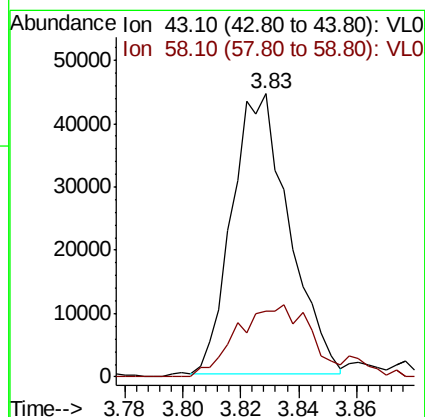
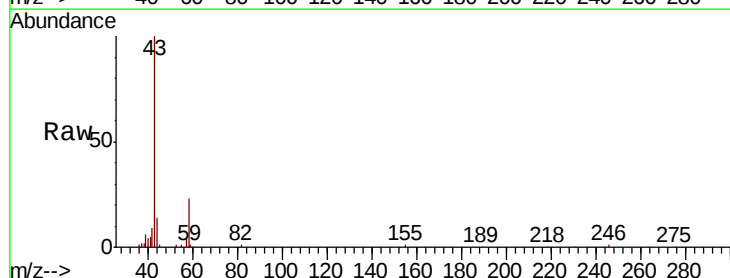
Acq: 3 Aug 2020 23:35

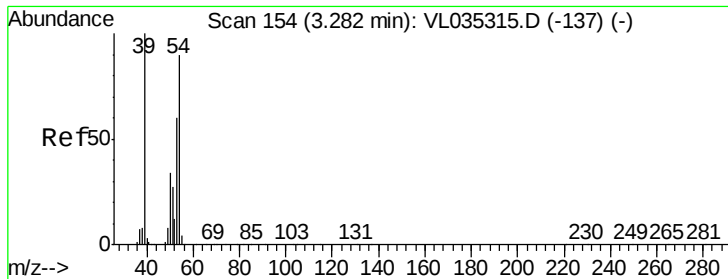
Tgt Ion: 43 Resp: 60140

Ion Ratio Lower Upper

43 100

58 37.3 22.1 33.1#

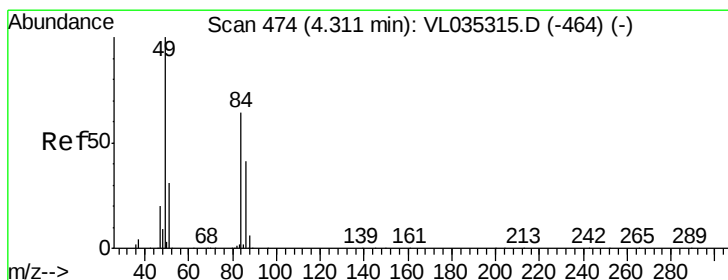
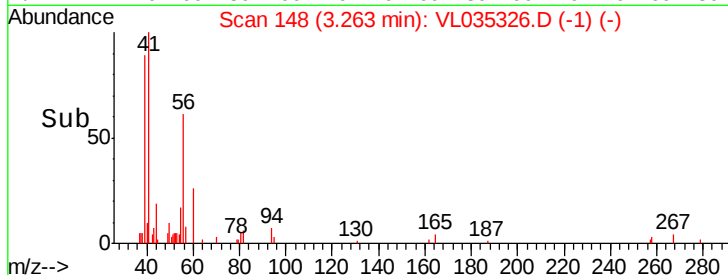
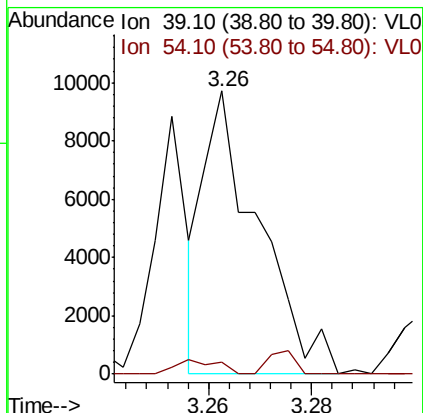
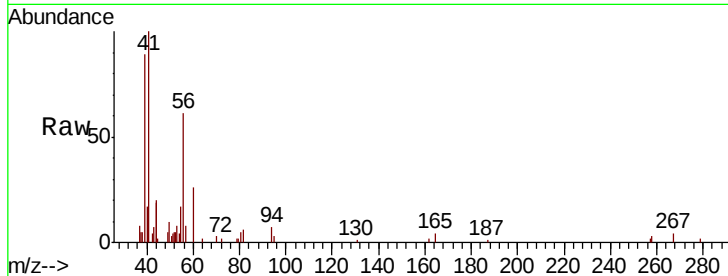




#16
1,3-Butadiene
Concen: 0.116 ppbv
RT: 3.26 min Scan# 148
Delta R.T. -0.02 min
Lab File: VL035326.D
Acq: 3 Aug 2020 23:35

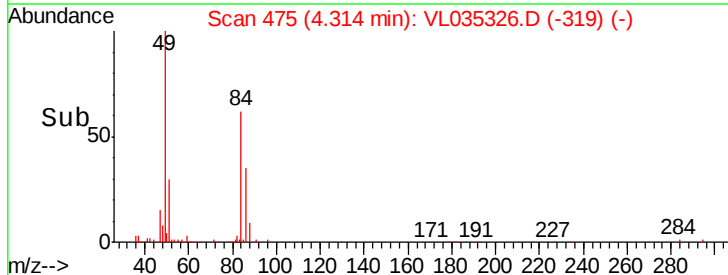
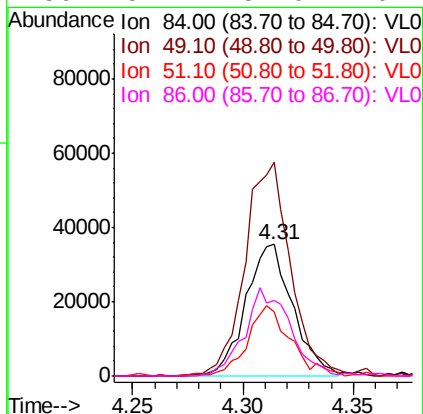
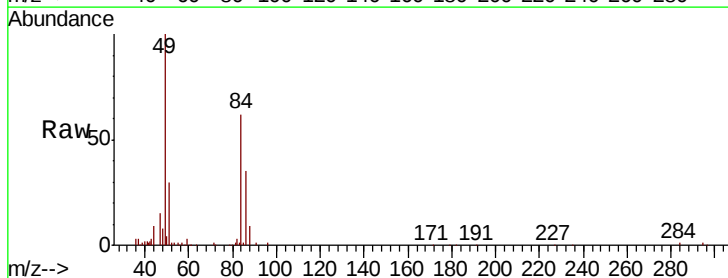
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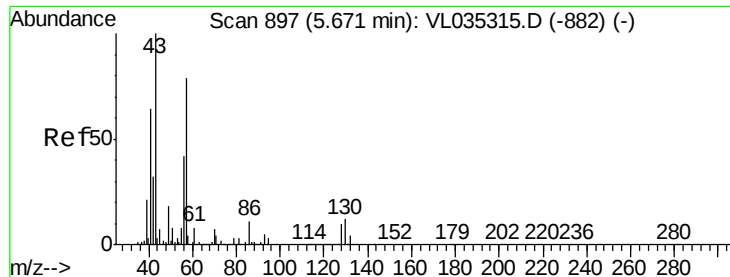
Tot Ion: 39 Resp: 7177
Ion Ratio Lower Upper
39 100
54 8.0 68.0 102.0#



#20
Methylene Chloride
Concen: 0.696 ppbv
RT: 4.31 min Scan# 475
Delta R.T. 0.00 min
Lab File: VL035326.D
Acq: 3 Aug 2020 23:35

Tgt Ion: 84 Resp: 52577
Ion Ratio Lower Upper
84 100
49 162.0 124.2 186.2
51 47.5 38.6 58.0
86 57.2 51.0 76.4





#26

Hexane

Concen: 0.127 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.00 min

Lab File: VL035326.D

Acq: 3 Aug 2020 23:35

Instrument :

MSVOA_L

ClientSampleId :

LAGCARB-IN-01DL

Tot Ion: 57 Resp: 14174

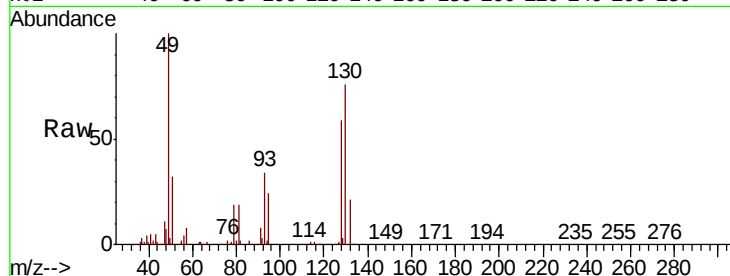
Ion Ratio Lower Upper

57 100

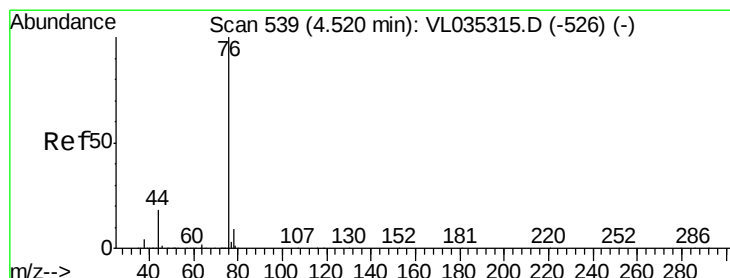
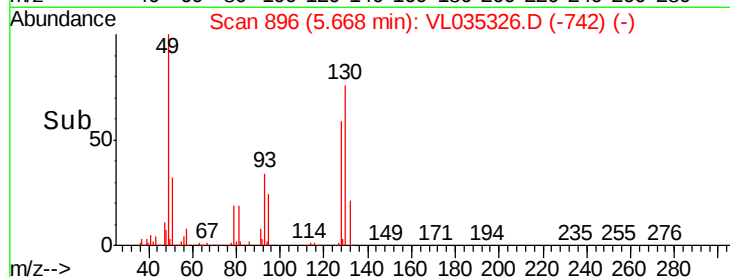
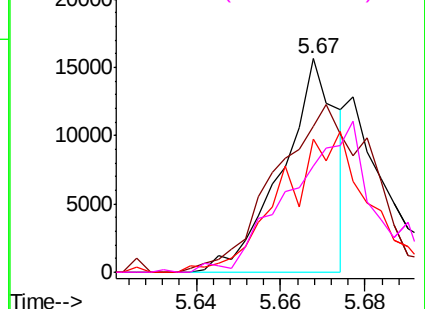
41 0.0 72.1 108.1#

43 0.0 179.0 268.6#

56 0.0 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: 89.070 ppbv

RT: 4.52 min Scan# 539

Delta R.T. -0.00 min

Lab File: VL035326.D

Acq: 3 Aug 2020 23:35

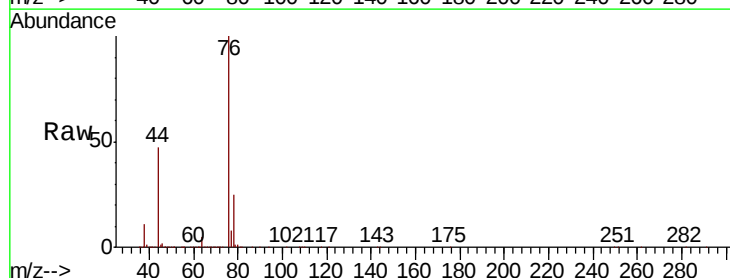
Tgt Ion: 76 Resp:13418060

Ion Ratio Lower Upper

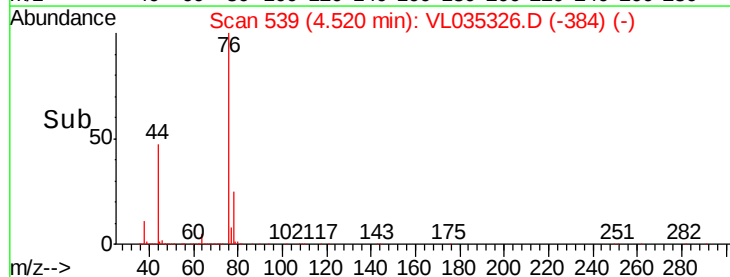
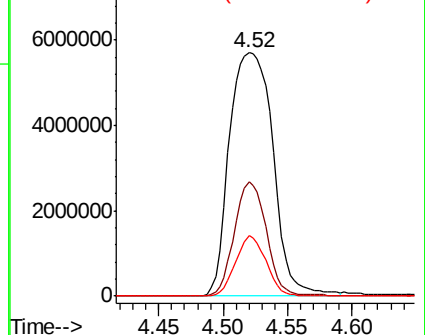
76 100

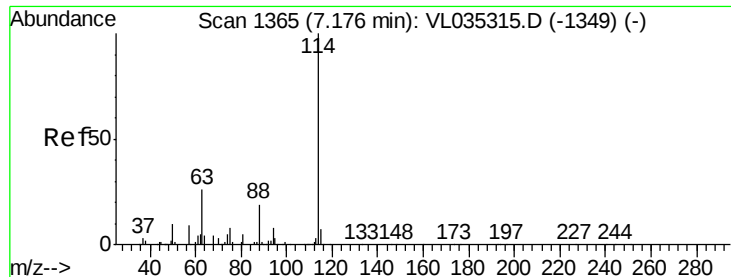
44 34.7 14.8 22.2#

78 17.6 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

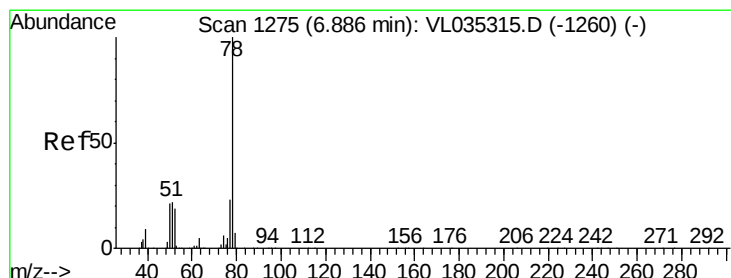
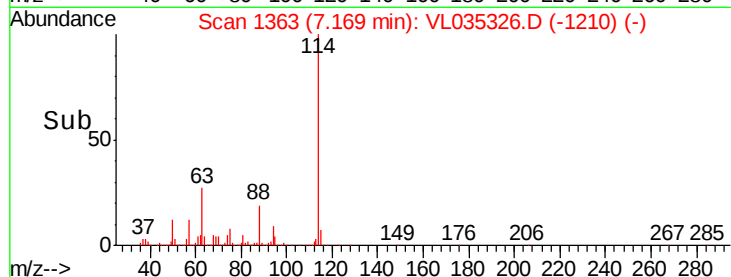
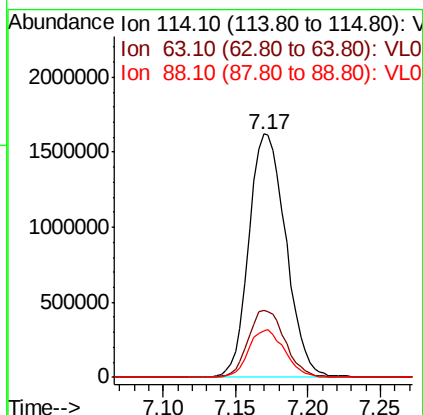
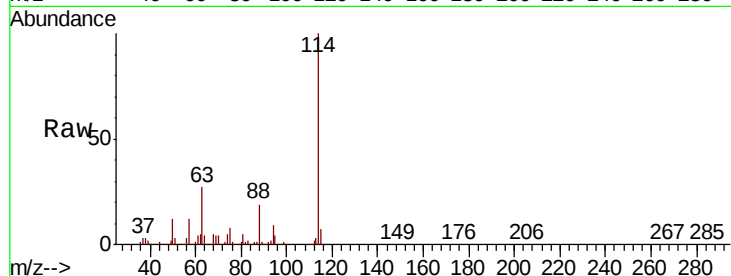




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.01 min
 Lab File: VL035326.D
 Acq: 3 Aug 2020 23:35

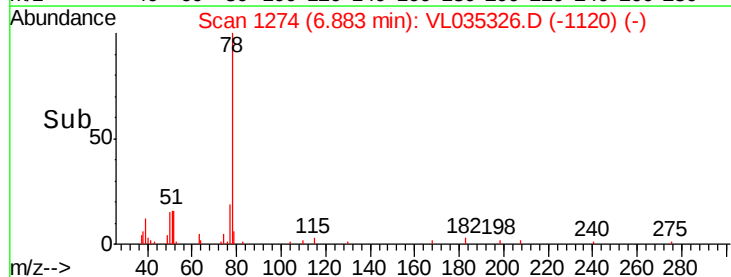
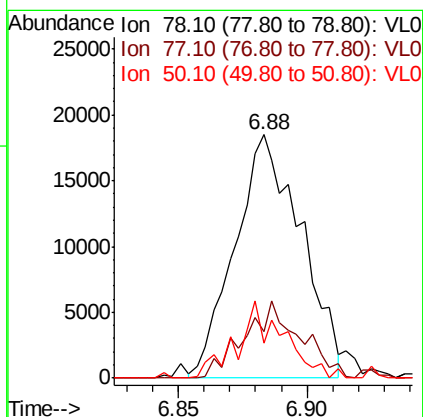
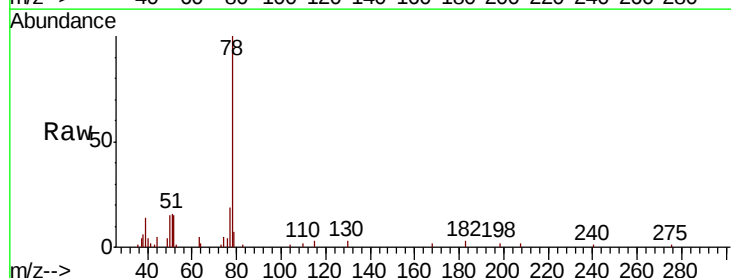
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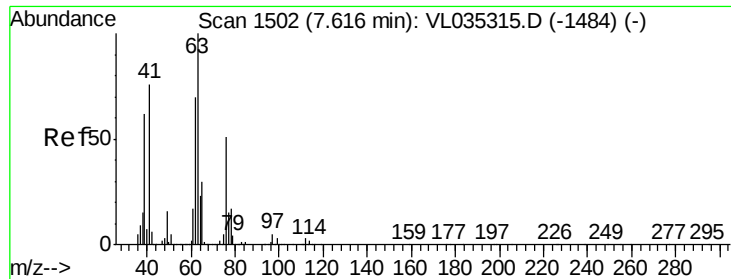
Tot Ion:114 Resp: 2886576
 Ion Ratio Lower Upper
 114 100
 63 27.5 21.5 32.3
 88 19.0 15.3 22.9



#36
 Benzene
 Concen: 0.157 ppbv
 RT: 6.88 min Scan# 1274
 Delta R.T. -0.00 min
 Lab File: VL035326.D
 Acq: 3 Aug 2020 23:35

Tgt Ion: 78 Resp: 33170
 Ion Ratio Lower Upper
 78 100
 77 19.6 18.4 27.6
 50 14.8 16.6 25.0#

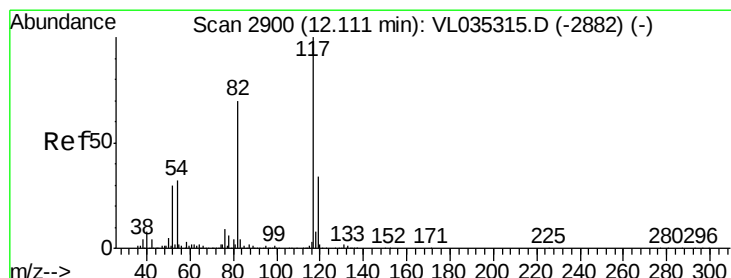
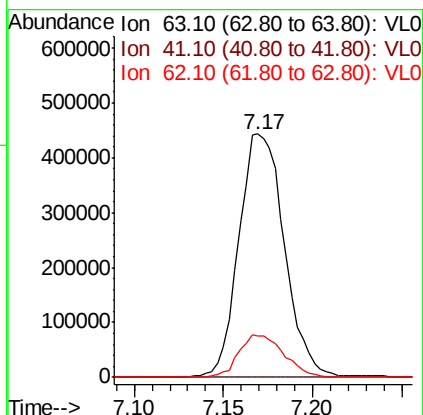
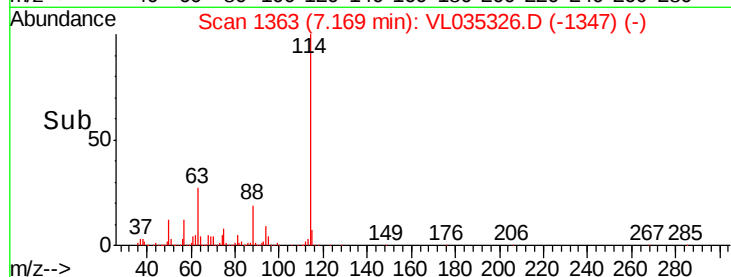
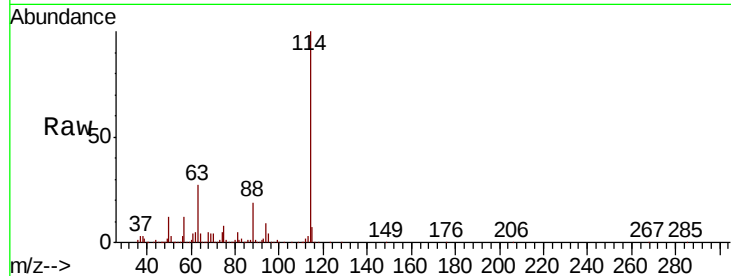




#39
 1,2-Dichloropropane
 Concen: 9.433 ppbv
 RT: 7.17 min Scan# 1363
 Delta R.T. -0.45 min
 Lab File: VL035326.D
 Acq: 3 Aug 2020 23:35

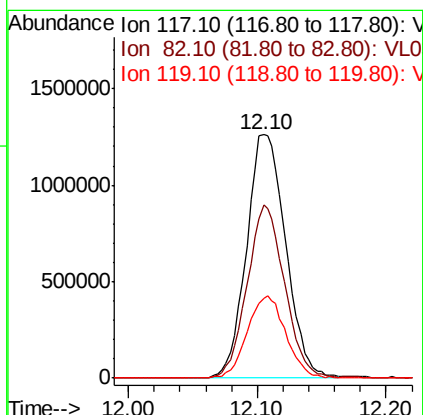
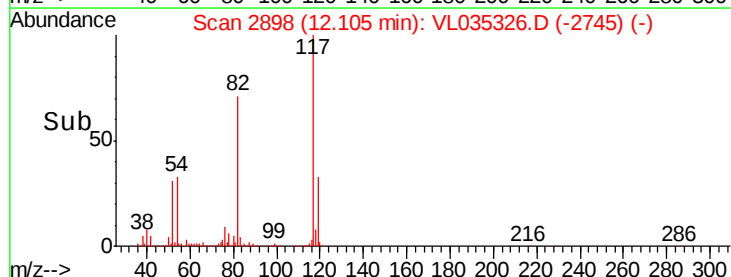
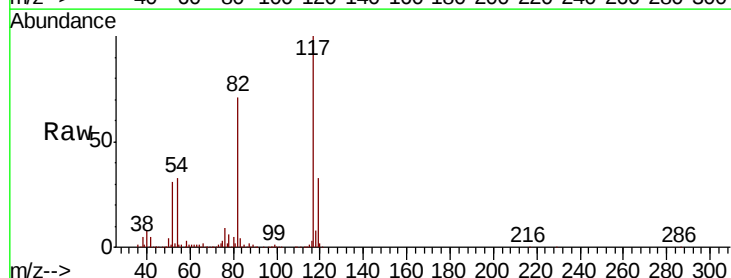
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 LAGCARB-IN-01DL

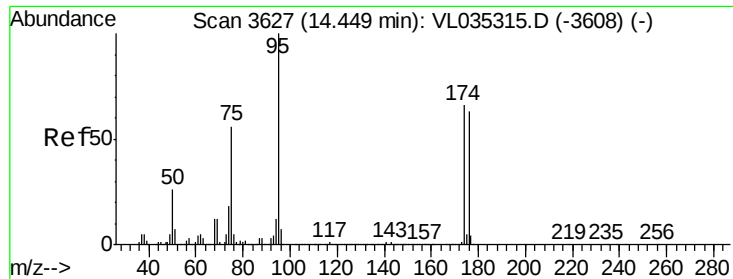
Tot Ion: 63 Resp: 786713
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.0 91.4#
 62 17.1 55.8 83.8#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2898
 Delta R.T. -0.01 min
 Lab File: VL035326.D
 Acq: 3 Aug 2020 23:35

Tgt Ion: 117 Resp: 2671970
 Ion Ratio Lower Upper
 117 100
 82 68.4 50.6 76.0
 119 33.1 24.1 36.1





#68

1-Bromo-4-Fluorobenzene

Concen: 9.698 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.01 min

Lab File: VL035326.D

Acq: 3 Aug 2020 23:35

Instrument :

MSVOA_L

ClientSampleId :

LAGCARB-IN-01DL

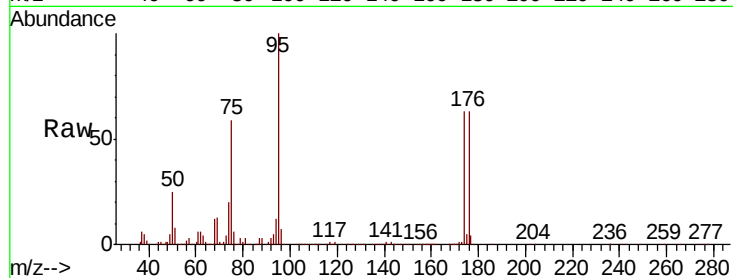
Tot Ion: 95 Resp: 2170523

Ion Ratio Lower Upper

95 100

174 66.8 52.5 78.7

175 5.1 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

