

Data File : VL035110.D
Acq On : 22 Jun 2020 14:18
Operator : SY/AP
Sample : L3075-02DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-01DL

Quant Time: Jun 22 14:47:15 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061920AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 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	1398601	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3197253	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3056901	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2535901	9.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

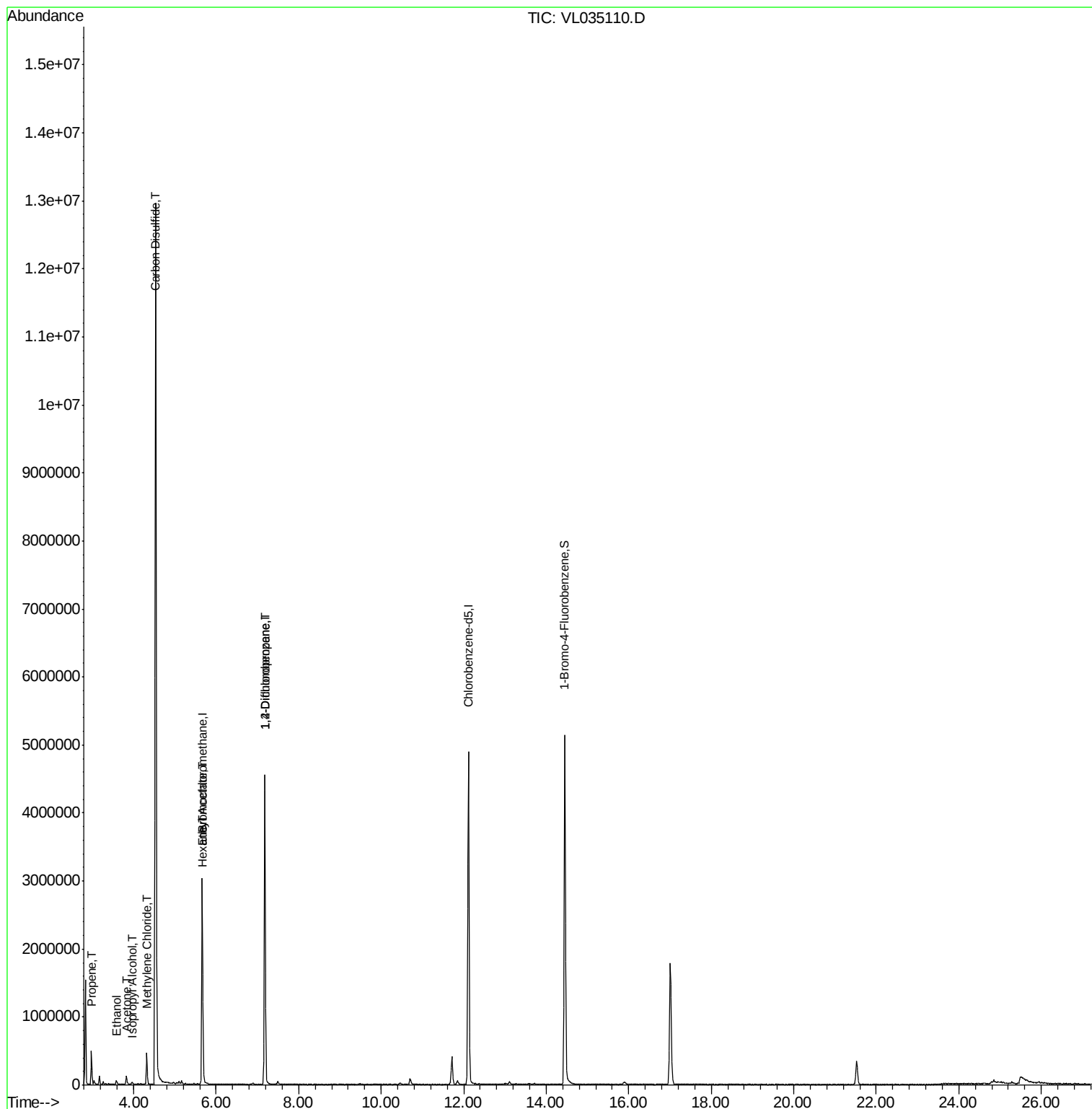
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	2.97	41	31826	0.520	ppbv	97
13) Ethanol	3.58	45	29558	1.279	ppbv #	16
15) Acetone	3.83	43	118688	0.702	ppbv #	89
19) Isopropyl Alcohol	3.95	45	13218	0.120	ppbv #	93
20) Methylene Chloride	4.32	84	145416	2.125	ppbv	97
25) Ethyl Acetate	5.67	43	28374	0.093	ppbv #	74
26) Hexane	5.68	57	95368	0.693	ppbv #	41
27) Carbon Disulfide	4.53	76	14608339	102.598	ppbv #	58
39) 1,2-Dichloropropane	7.18	63	872310	9.009	ppbv #	25

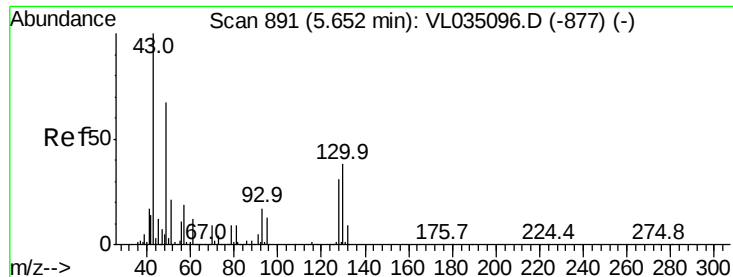
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.01 min

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MSVOA_L

ClientSampleId :

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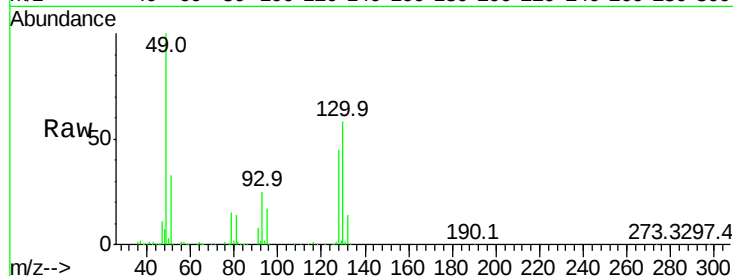
Tgt Ion: 49 Resp: 1398601

Ion Ratio Lower Upper

49 100

128 46.6 22.9 68.5

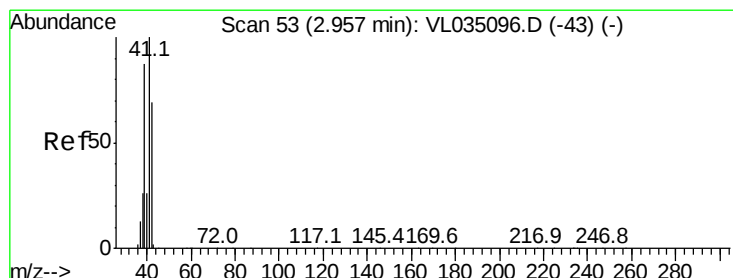
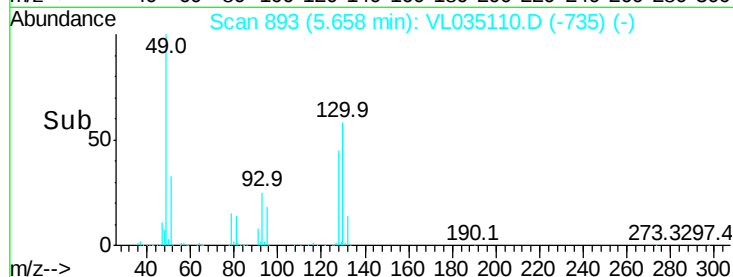
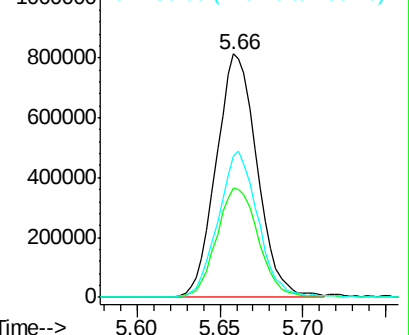
130 58.7 29.0 87.0



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



#9

Propene

Concen: 0.520 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.01 min

Lab File: VL035110.D

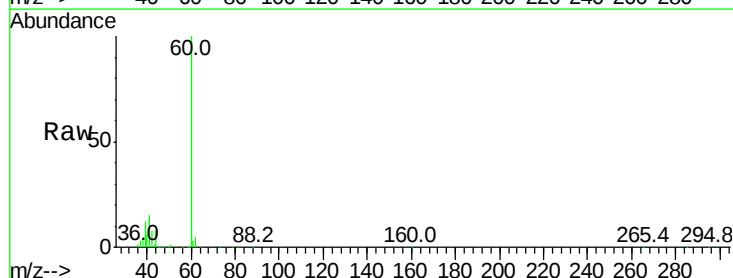
Acq: 22 Jun 2020 14:18

Tgt Ion: 41 Resp: 31826

Ion Ratio Lower Upper

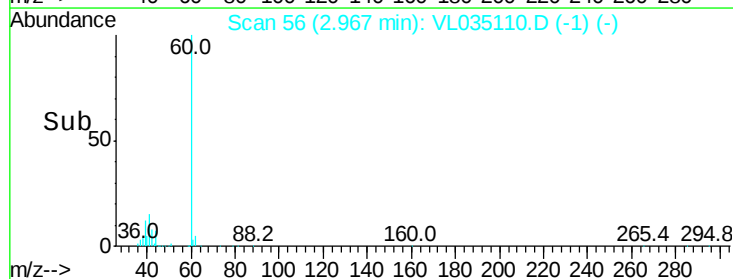
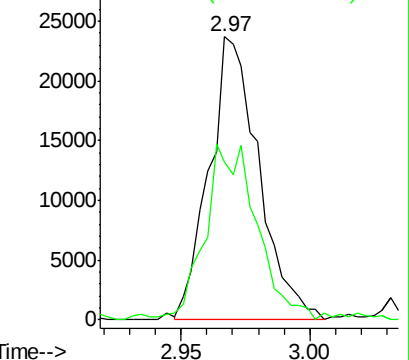
41 100

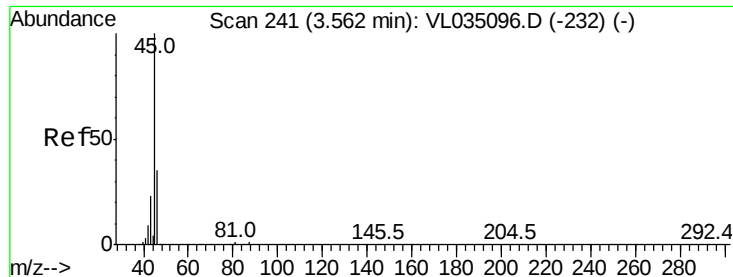
42 67.1 55.8 83.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

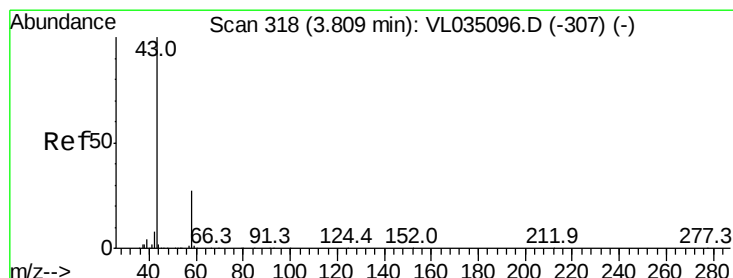
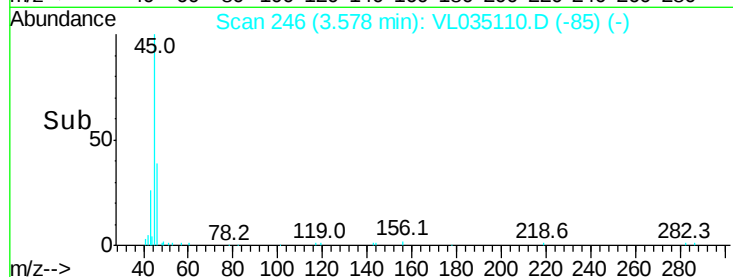
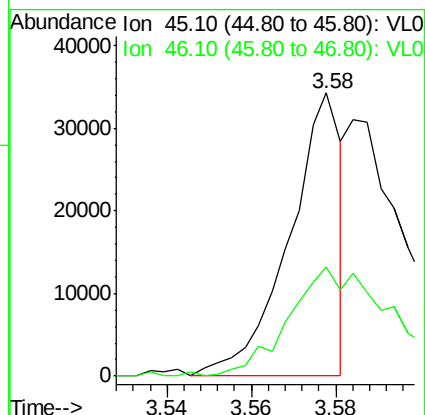
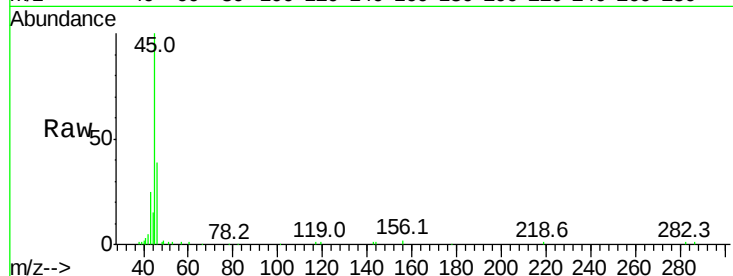




#13
Ethanol
Concen: 1.279 ppbv
RT: 3.58 min Scan# 246
Delta R.T. 0.02 min
Lab File: VL035110.D
Acq: 22 Jun 2020 14:18

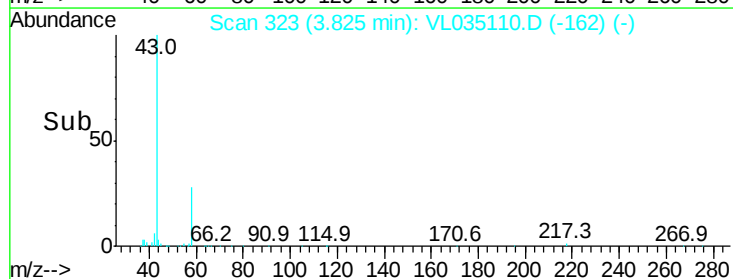
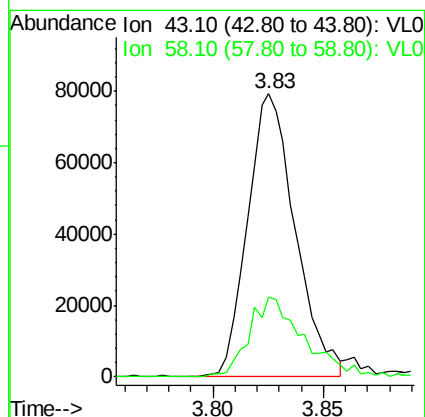
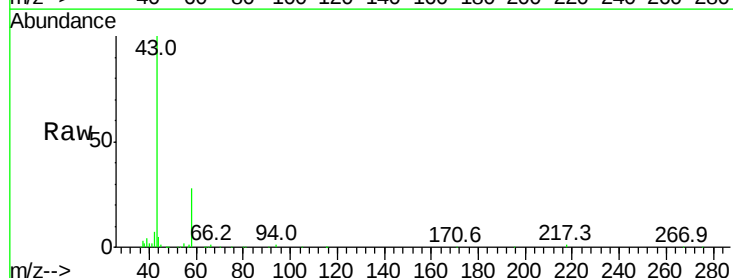
Instrument :
MSVOA_L
ClientSampleId :
EXHAUST-01DL

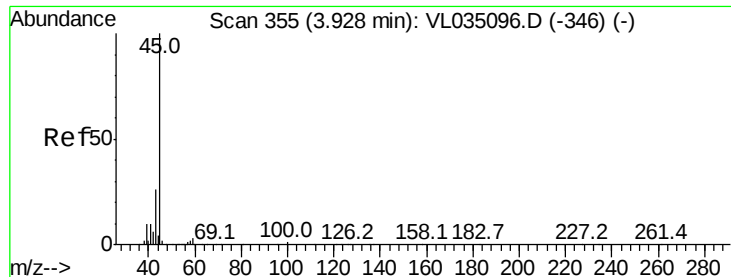
Tgt Ion: 45 Resp: 29558
Ion Ratio Lower Upper
45 100
46 84.8 14.2 57.0#



#15
Acetone
Concen: 0.702 ppbv
RT: 3.83 min Scan# 323
Delta R.T. 0.02 min
Lab File: VL035110.D
Acq: 22 Jun 2020 14:18

Tgt Ion: 43 Resp: 118688
Ion Ratio Lower Upper
43 100
58 33.1 21.8 32.6#





#19

Isopropyl Alcohol

Concen: 0.120 ppbv

RT: 3.95 min Scan# 363

Delta R.T. 0.03 min

Lab File: VL035110.D

Acq: 22 Jun 2020 14:18

Instrument :

MSVOA_L

ClientSampleId :

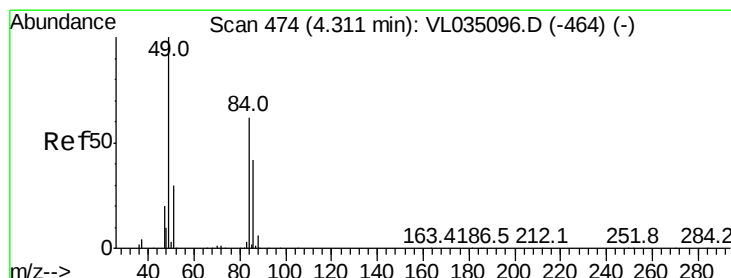
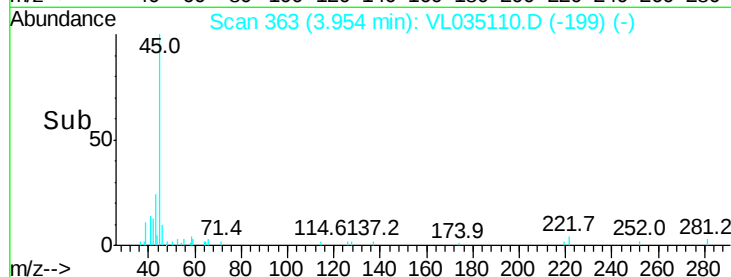
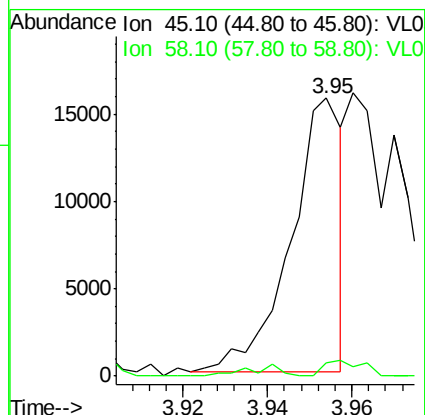
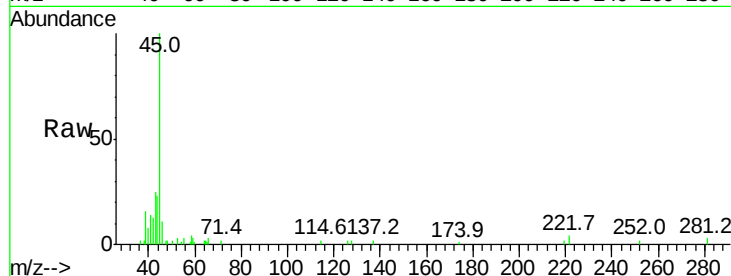
EXHAUST-01DL

Tgt Ion: 45 Resp: 13218

Ion Ratio Lower Upper

45 100

58 0.0 1.8 2.8#



#20

Methylene Chloride

Concen: 2.125 ppbv

RT: 4.32 min Scan# 476

Delta R.T. 0.01 min

Lab File: VL035110.D

Acq: 22 Jun 2020 14:18

Tgt Ion: 84 Resp: 145416

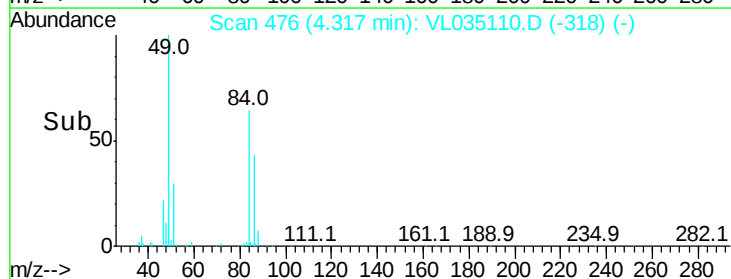
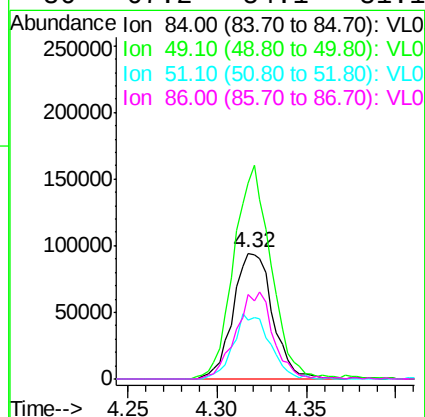
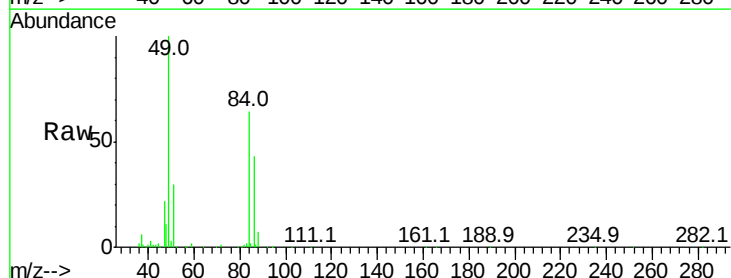
Ion Ratio Lower Upper

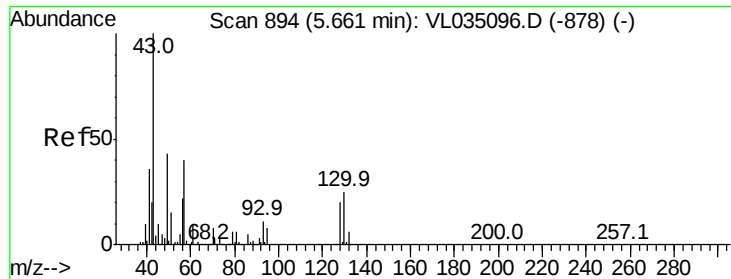
84 100

49 155.5 128.8 193.2

51 47.3 38.7 58.1

86 67.2 54.1 81.1





#25

Ethyl Acetate

Concen: 0.093 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.01 min

Lab File: VL035110.D

Acq: 22 Jun 2020 14:18

Instrument :

MSVOA_L

ClientSampleId :

EXHAUST-01DL

Tgt Ion: 43 Resp: 28374

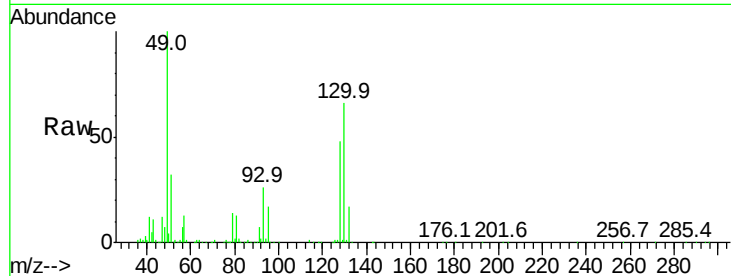
Ion Ratio Lower Upper

43 100

45 0.0 8.4 12.6#

61 0.5 8.0 12.0#

70 0.0 6.3 9.5#

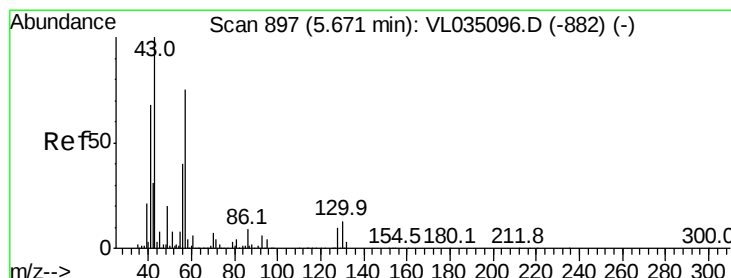
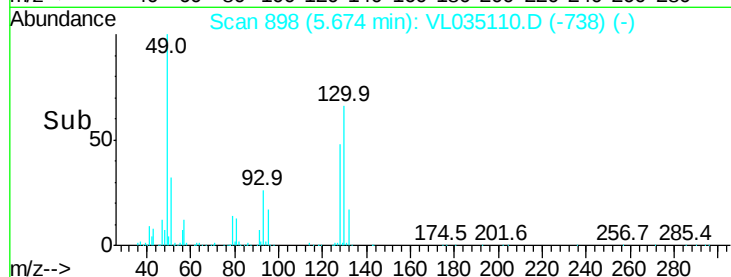
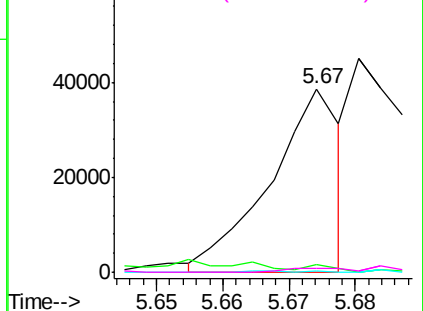


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.693 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.01 min

Lab File: VL035110.D

Acq: 22 Jun 2020 14:18

Tgt Ion: 57 Resp: 95368

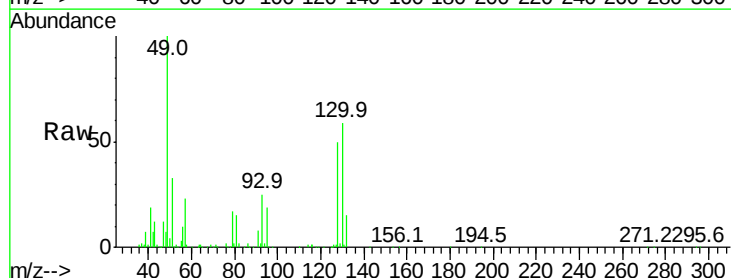
Ion Ratio Lower Upper

57 100

41 88.0 72.9 109.3

43 70.2 181.3 271.9#

56 54.0 43.1 64.7

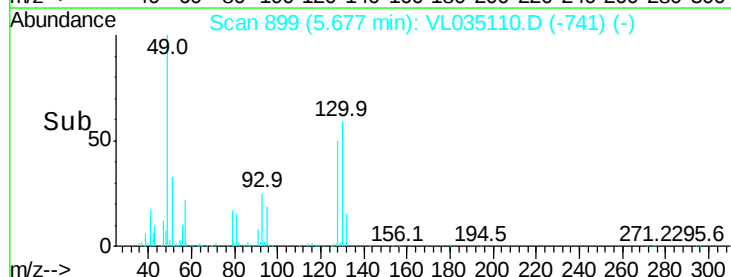
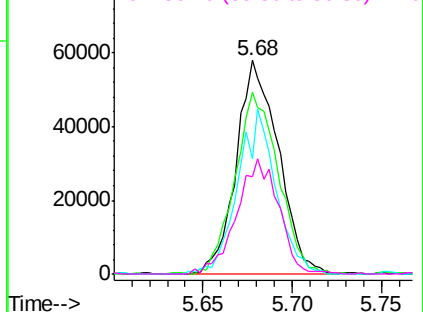


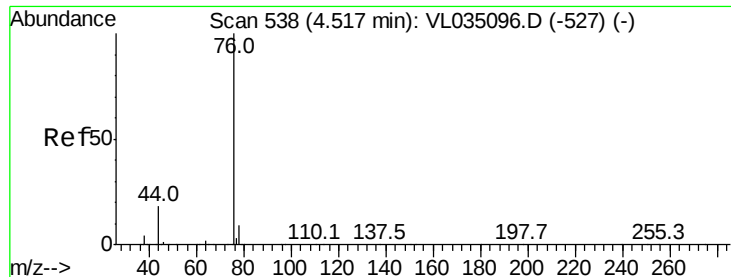
Abundance Ion 57.10 (56.80 to 57.80): VL0

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





#27

Carbon Disulfide

Concen: 102.598 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.02 min

Lab File: VL035110.D

Acq: 22 Jun 2020 14:18

Instrument :

MSVOA_L

ClientSampleId :

EXHAUST-01DL

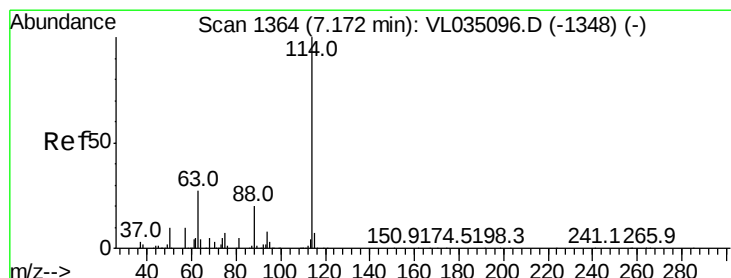
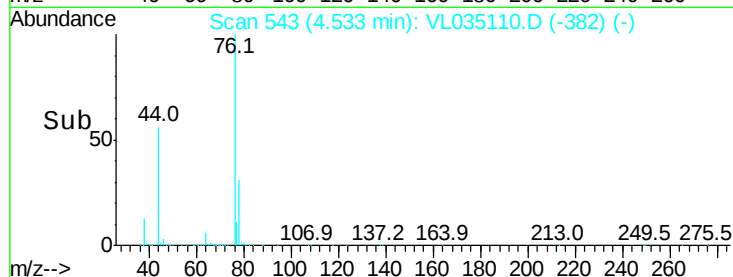
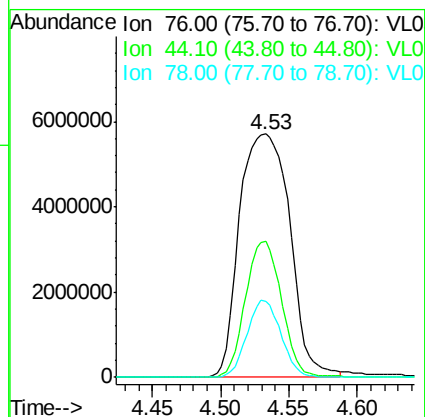
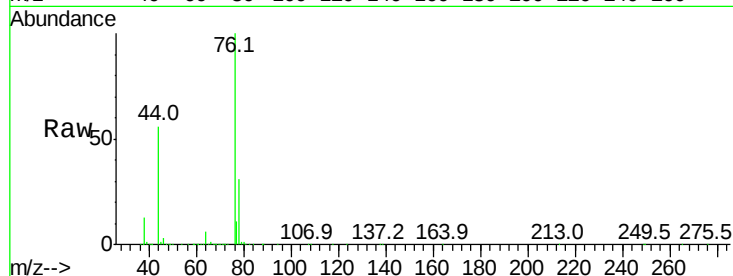
Tgt Ion: 76 Resp:14608339

Ion Ratio Lower Upper

76 100

44 40.8 15.8 23.8#

78 21.7 7.6 11.4#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. 0.01 min

Lab File: VL035110.D

Acq: 22 Jun 2020 14:18

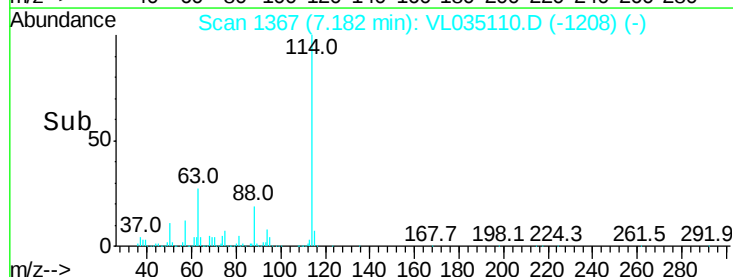
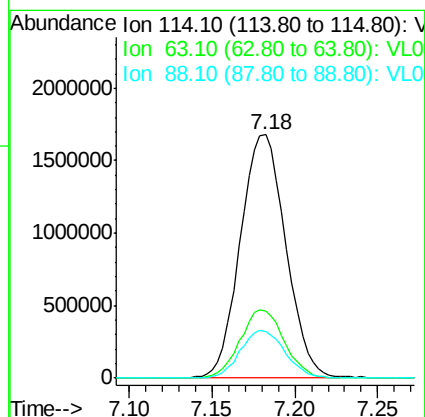
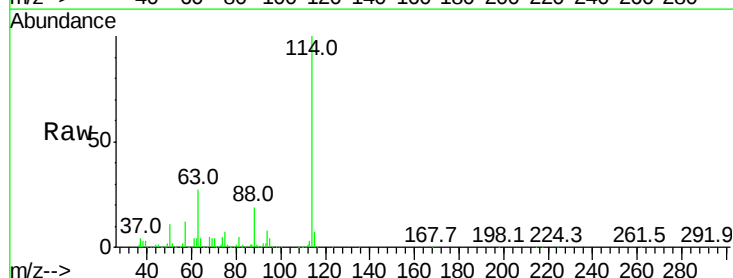
Tgt Ion:114 Resp: 3197253

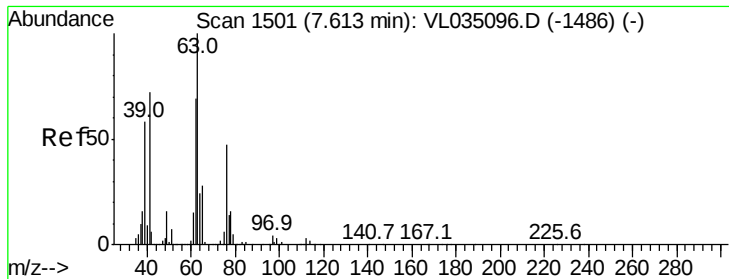
Ion Ratio Lower Upper

114 100

63 27.6 21.9 32.9

88 19.4 15.6 23.4





#39

1,2-Dichloropropane

Concen: 9.009 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.43 min

Lab File: VL035110.D

Acq: 22 Jun 2020 14:18

Instrument :

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ClientSampleId :

EXHAUST-01DL

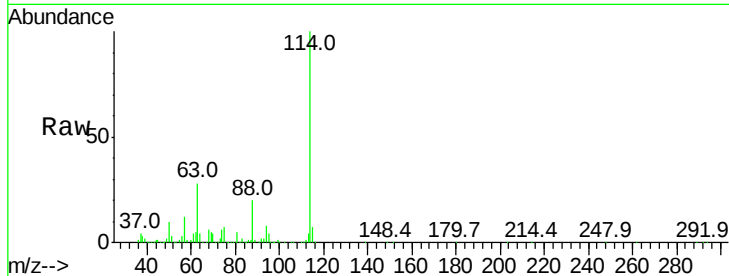
Tgt Ion: 63 Resp: 872310

Ion Ratio Lower Upper

63 100

41 0.0 58.0 87.0#

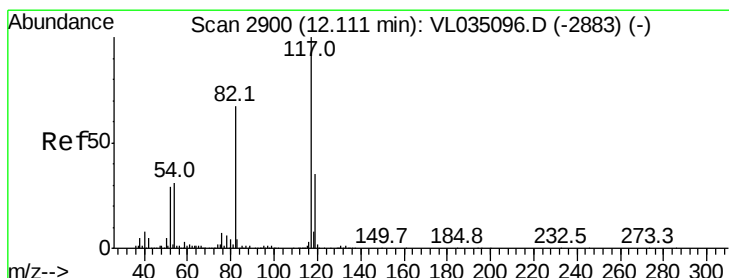
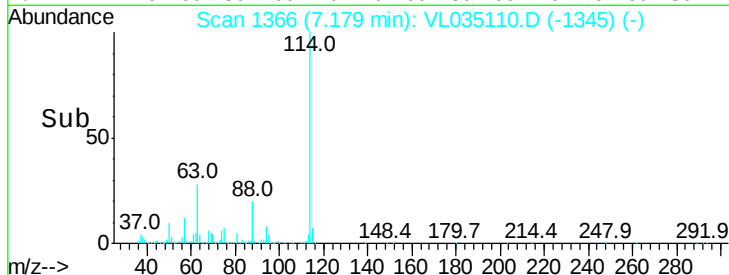
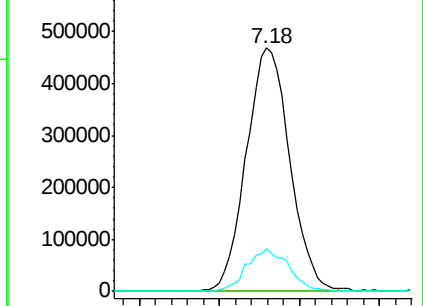
62 17.6 55.4 83.0#



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: 12.11 min Scan# 2901

Delta R.T. 0.00 min

Lab File: VL035110.D

Acq: 22 Jun 2020 14:18

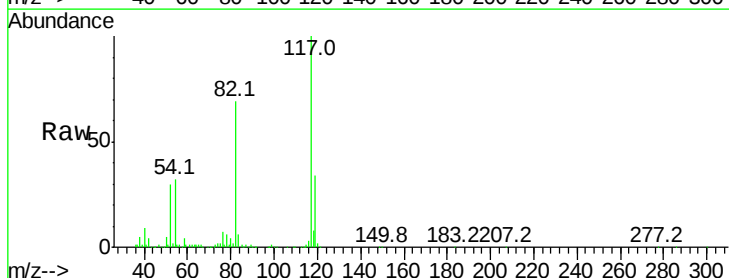
Tgt Ion: 117 Resp: 3056901

Ion Ratio Lower Upper

117 100

82 69.0 50.4 75.6

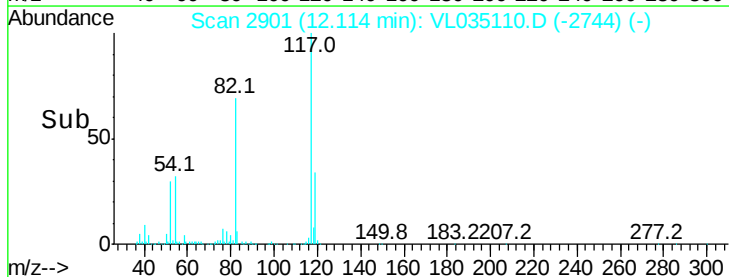
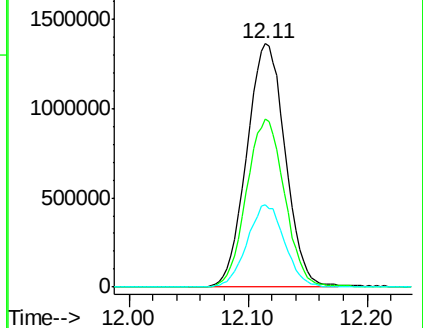
119 33.2 25.4 38.0

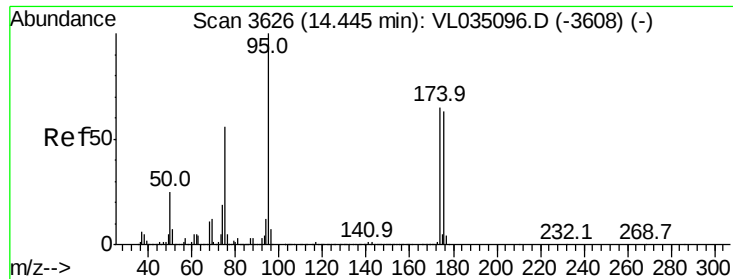


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.986 ppbv

RT: 14.45 min Scan# 3628

Delta R.T. 0.01 min

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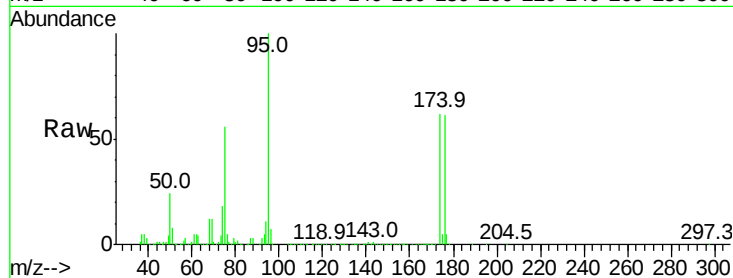
Tgt Ion: 95 Resp: 2535901

Ion Ratio Lower Upper

95 100

174 65.9 52.2 78.2

175 5.0 4.0 6.0



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

