

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070820\
 Data File : VL035182.D
 Acq On : 8 Jul 2020 13:16
 Operator : SY/AP
 Sample : L3190-01DL2 1200X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 PERM-01DL

Quant Time: Jul 08 14:26:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1210716	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2832813	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2601310	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2130026	10.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

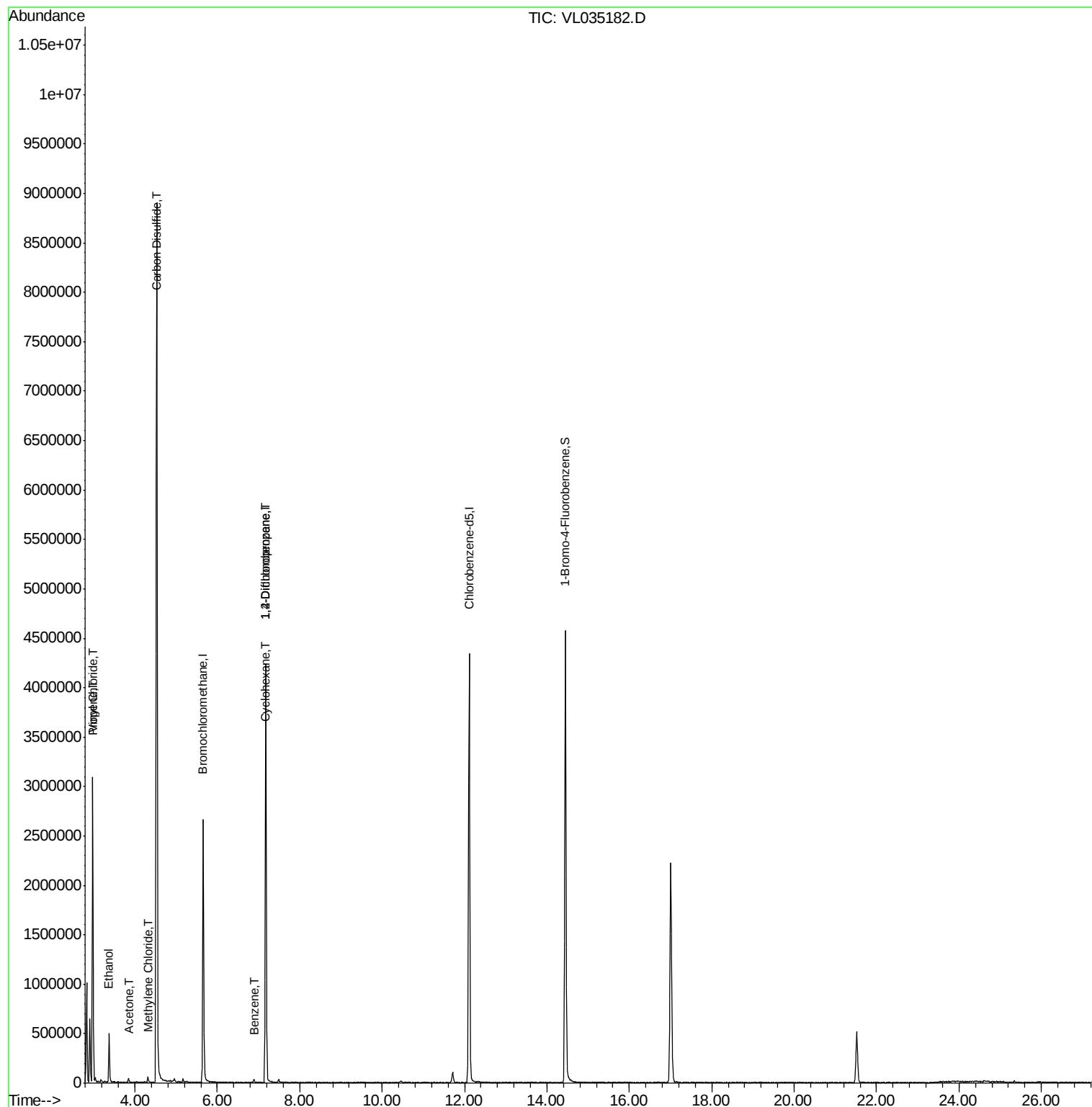
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Vinyl Chloride	2.98	62	199657	2.479	ppbv #	46
9) Propene	2.96	41	8223	0.163	ppbv #	16
13) Ethanol	3.37	45	153293	9.527	ppbv	75
15) Acetone	3.84	43	36491	0.223	ppbv #	77
20) Methylene Chloride	4.31	84	10455	0.147	ppbv	95
27) Carbon Disulfide	4.53	76	10698183	68.310	ppbv #	79
30) Cyclohexane	7.16	84	6996	0.084	ppbv #	1
36) Benzene	6.89	78	20441	0.100	ppbv	93
39) 1,2-Dichloropropane	7.17	63	773650	9.489	ppbv #	22

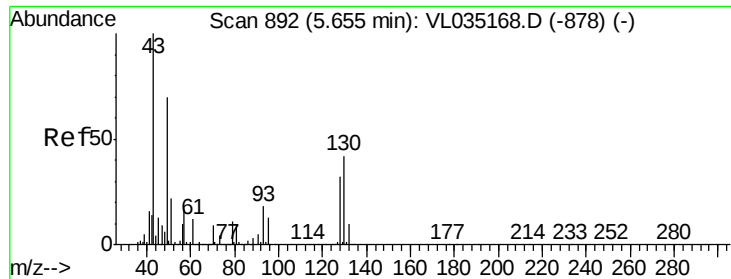
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.00 min

Lab File: VL035182.D

Acq: 8 Jul 2020 13:16

Instrument :

MSVOA_L

ClientSampleId :

PERM-01DL

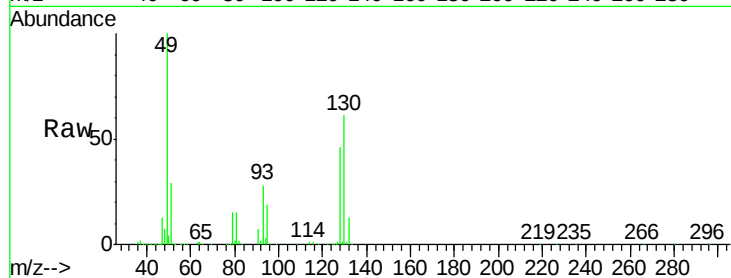
Tgt Ion: 49 Resp: 1210716

Ion Ratio Lower Upper

49 100

128 47.2 23.8 71.4

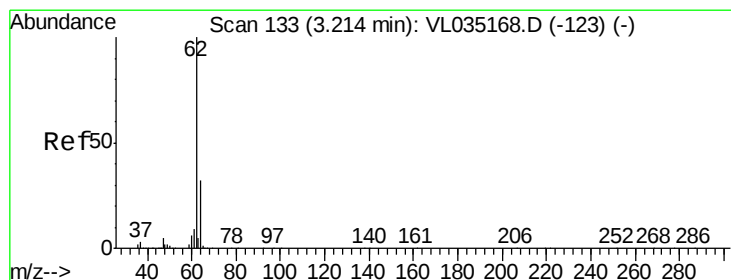
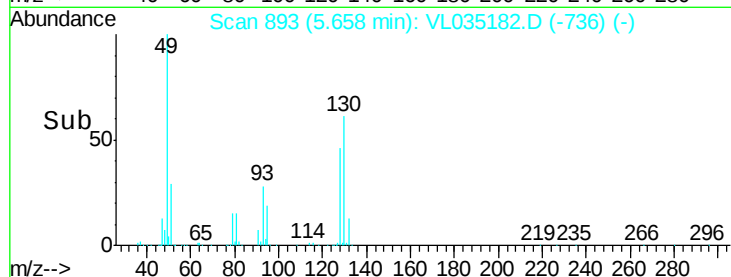
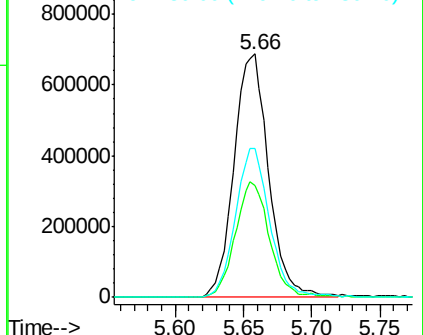
130 61.2 29.9 89.8



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: 2.479 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.24 min

Lab File: VL035182.D

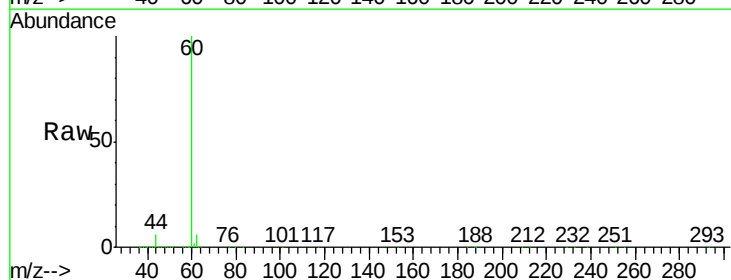
Acq: 8 Jul 2020 13:16

Tgt Ion: 62 Resp: 199657

Ion Ratio Lower Upper

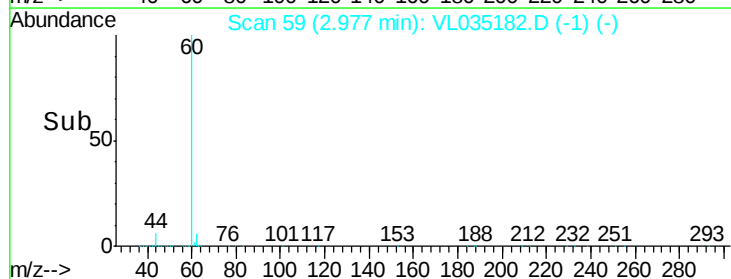
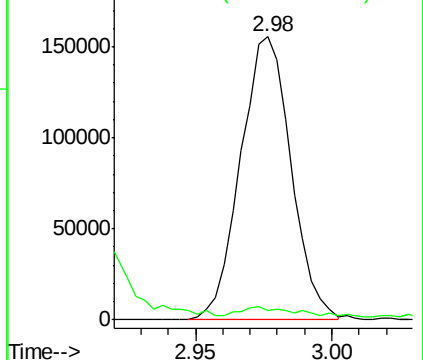
62 100

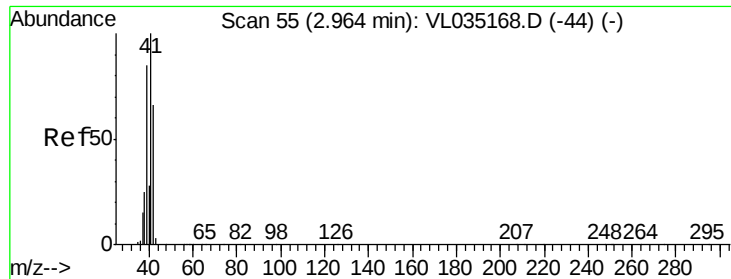
64 1.9 25.9 38.9#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#9

Propene

Concen: 0.163 ppbv

RT: 2.96 min Scan# 55

Delta R.T. 0.00 min

Lab File: VL035182.D

Acq: 8 Jul 2020 13:16

Instrument :

MSVOA_L

ClientSampleId :

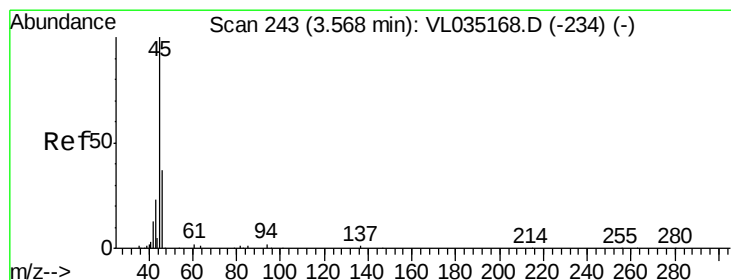
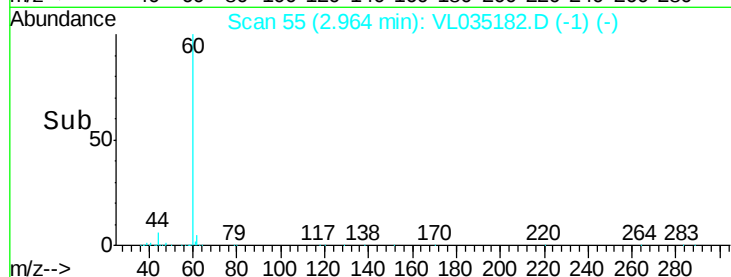
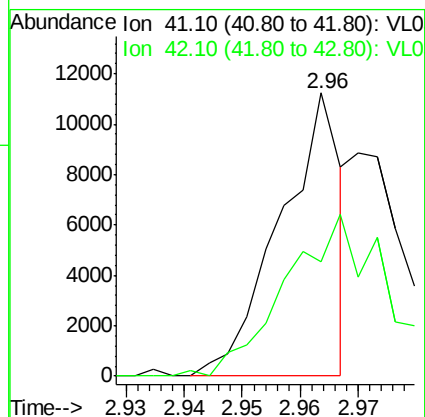
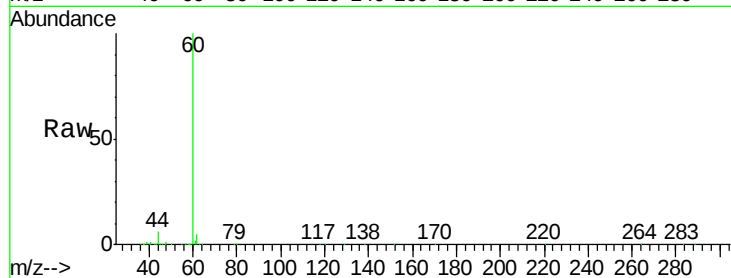
PERM-01DL

Tgt Ion: 41 Resp: 8223

Ion Ratio Lower Upper

41 100

42 0.0 54.6 81.8#



#13

Ethanol

Concen: 9.527 ppbv

RT: 3.37 min Scan# 182

Delta R.T. -0.20 min

Lab File: VL035182.D

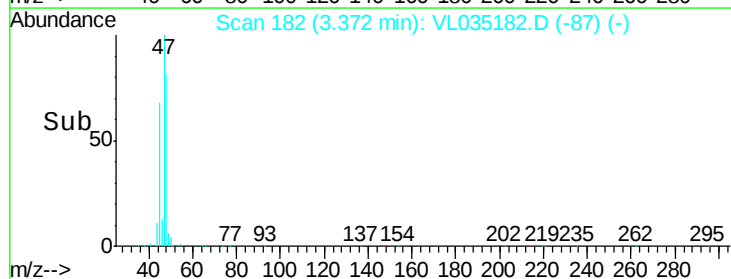
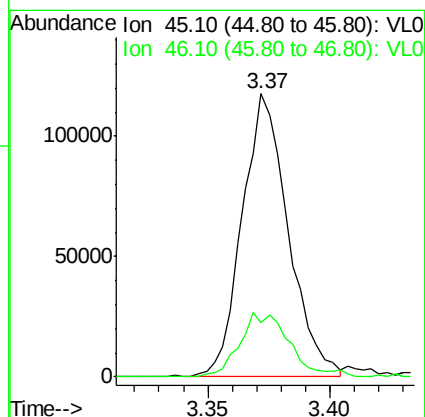
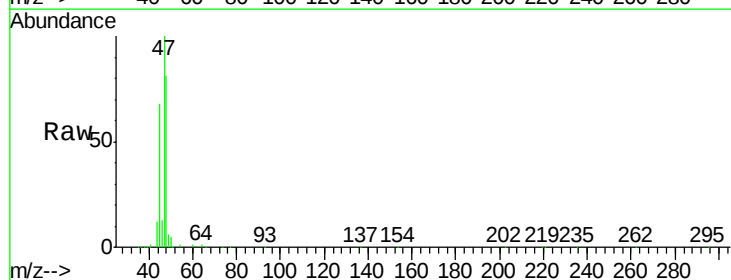
Acq: 8 Jul 2020 13:16

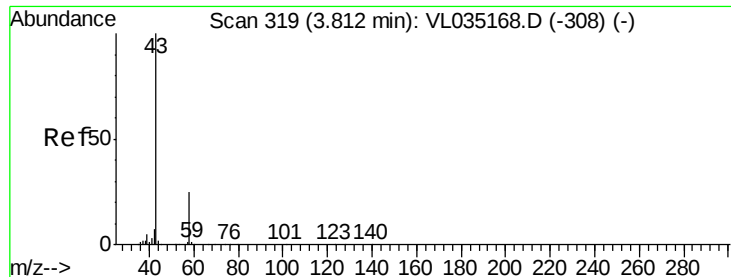
Tgt Ion: 45 Resp: 153293

Ion Ratio Lower Upper

45 100

46 25.3 16.2 65.0





#15

Acetone

Concen: 0.223 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.03 min

Lab File: VL035182.D

Acq: 8 Jul 2020 13:16

Instrument :

MSVOA_L

ClientSampleId :

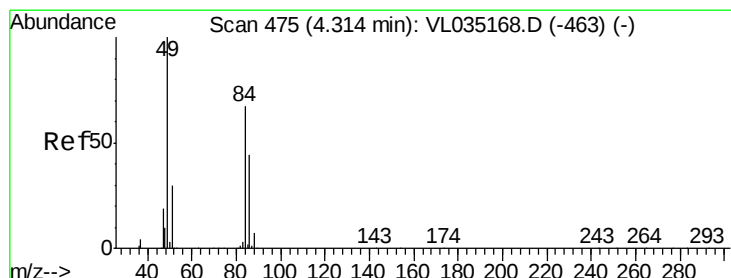
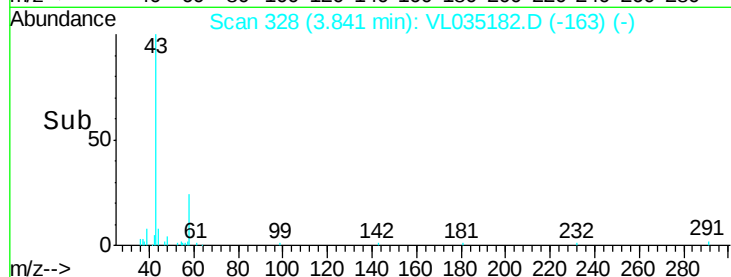
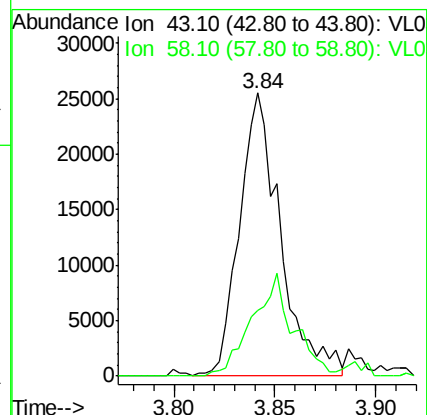
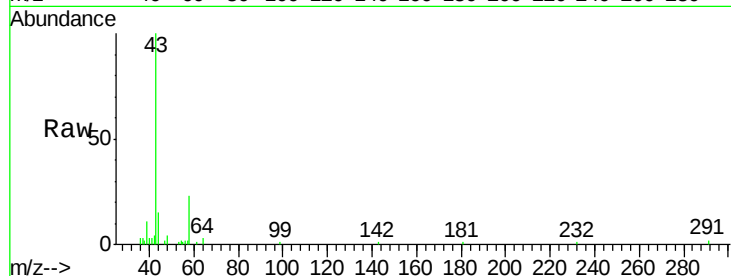
PERM-01DL

Tgt Ion: 43 Resp: 36491

Ion Ratio Lower Upper

43 100

58 38.6 21.3 31.9#



#20

Methylene Chloride

Concen: 0.147 ppbv

RT: 4.31 min Scan# 475

Delta R.T. 0.00 min

Lab File: VL035182.D

Acq: 8 Jul 2020 13:16

Tgt Ion: 84 Resp: 10455

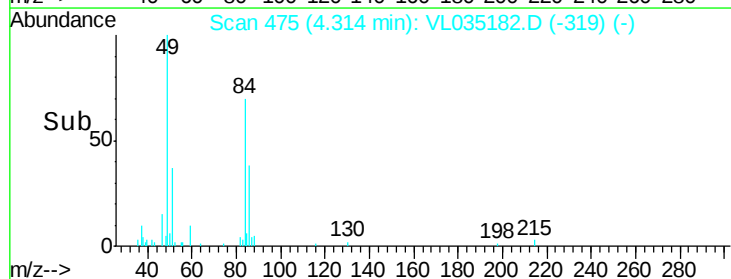
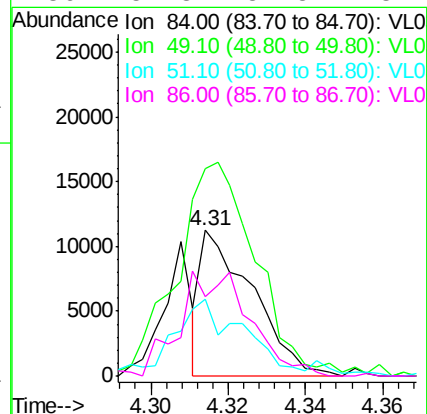
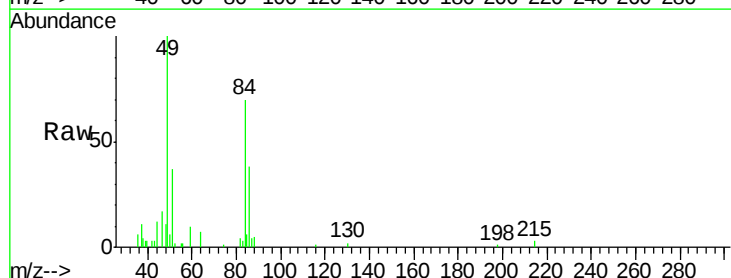
Ion Ratio Lower Upper

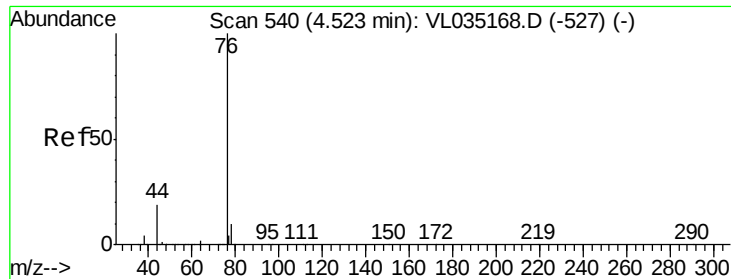
84 100

49 148.3 119.4 179.0

51 51.0 36.6 55.0

86 54.8 52.5 78.7





#27

Carbon Disulfide

Concen: 68.310 ppbv

RT: 4.53 min Scan# 541

Delta R.T. 0.00 min

Lab File: VL035182.D

Acq: 8 Jul 2020 13:16

Instrument :

MSVOA_L

ClientSampleId :

PERM-01DL

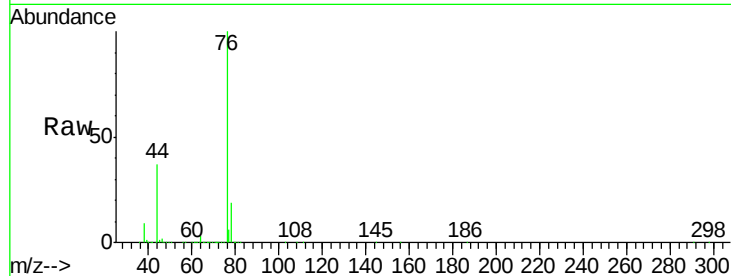
Tgt Ion: 76 Resp:10698183

Ion Ratio Lower Upper

76 100

44 29.3 14.9 22.3#

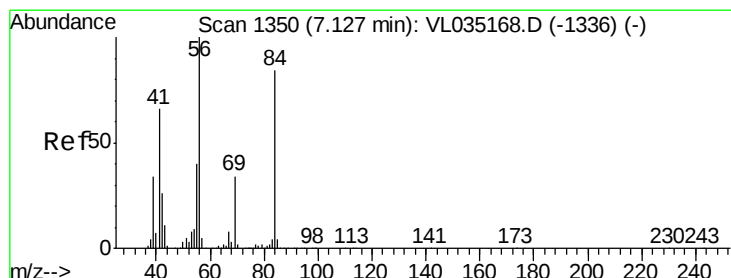
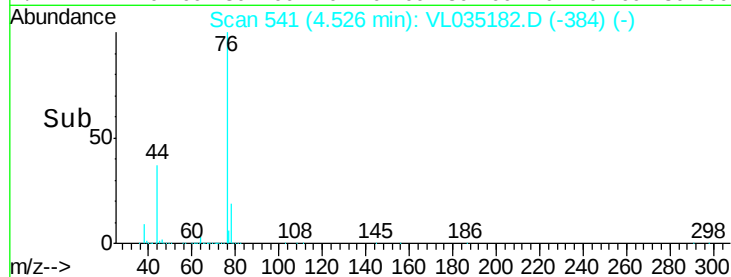
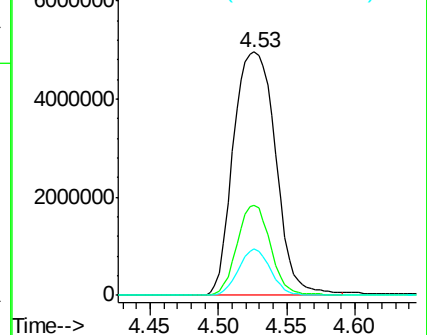
78 14.5 7.5 11.3#



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: 0.084 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. 0.03 min

Lab File: VL035182.D

Acq: 8 Jul 2020 13:16

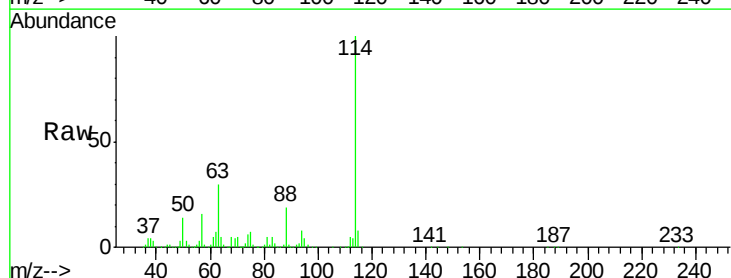
Tgt Ion: 84 Resp: 6996

Ion Ratio Lower Upper

84 100

56 0.0 105.6 158.4#

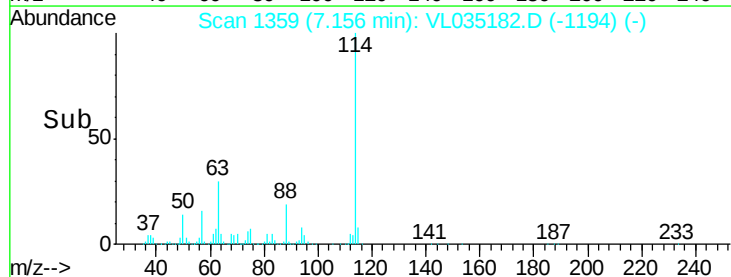
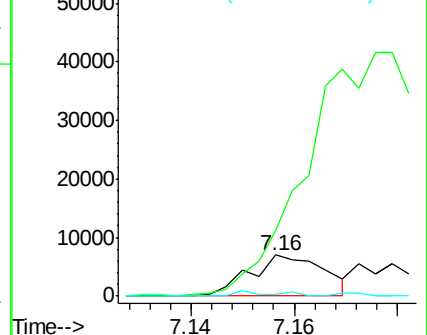
41 6.1 64.9 97.3#

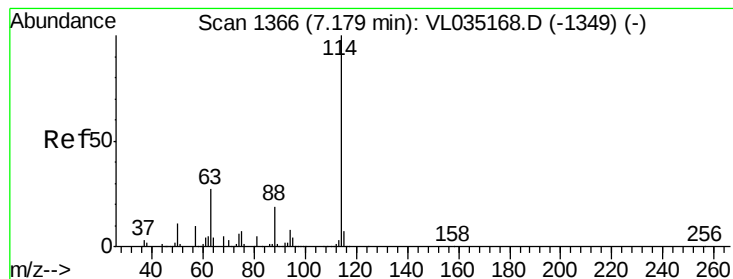


Abundance Ion 84.20 (83.90 to 84.90): VL0

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: 7.18 min Scan# 1365

Delta R.T. -0.00 min

Lab File: VL035182.D

Acq: 8 Jul 2020 13:16

Instrument :

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ClientSampleId :

PERM-01DL

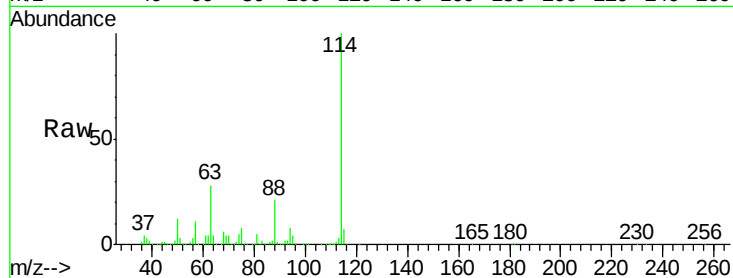
Tgt Ion:114 Resp: 2832813

Ion Ratio Lower Upper

114 100

63 27.4 22.0 33.0

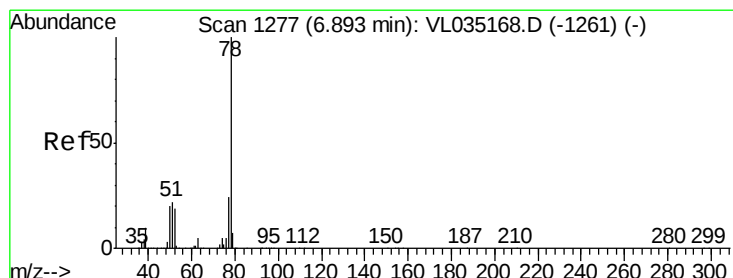
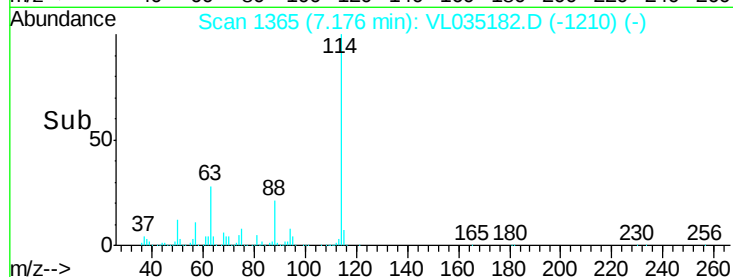
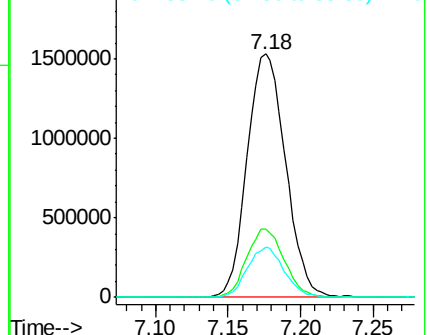
88 19.8 15.4 23.0



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



#36

Benzene

Concen: 0.100 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VL035182.D

Acq: 8 Jul 2020 13:16

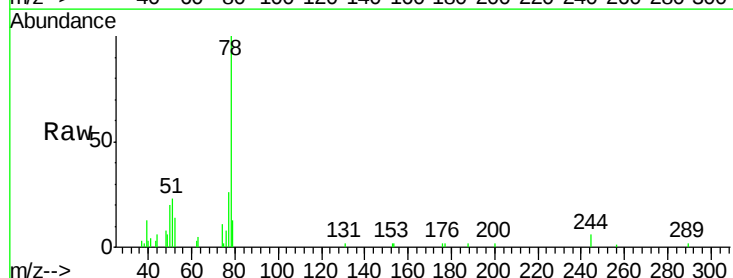
Tgt Ion: 78 Resp: 20441

Ion Ratio Lower Upper

78 100

77 19.9 19.3 28.9

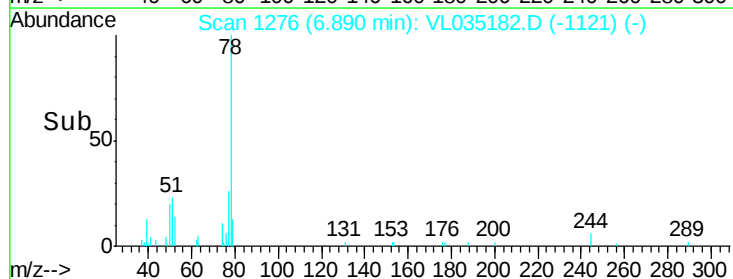
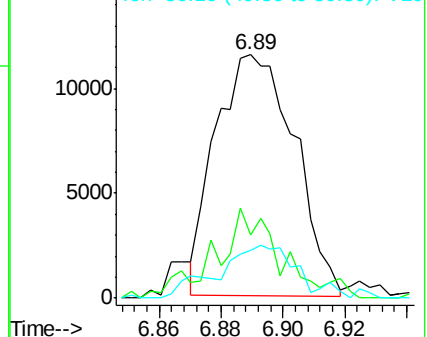
50 17.8 16.0 24.0

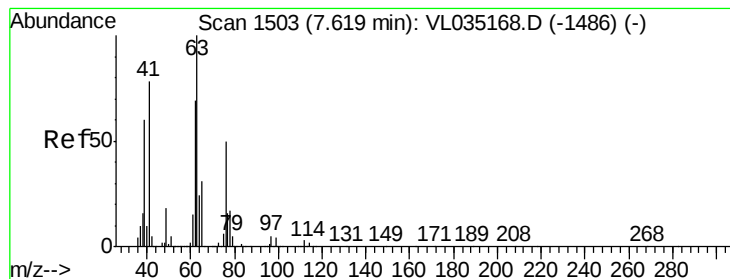


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





#39

1,2-Dichloropropane

Concen: 9.489 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.45 min

Lab File: VL035182.D

Acq: 8 Jul 2020 13:16

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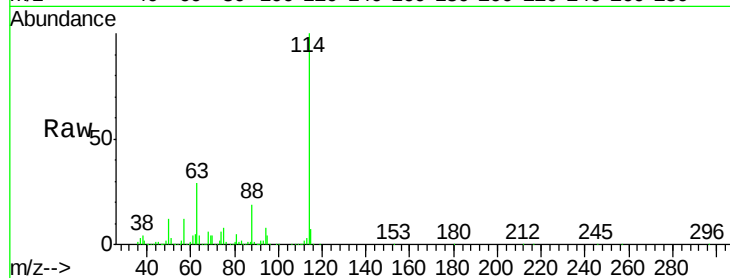
Tgt Ion: 63 Resp: 773650

Ion Ratio Lower Upper

63 100

41 0.1 62.6 94.0#

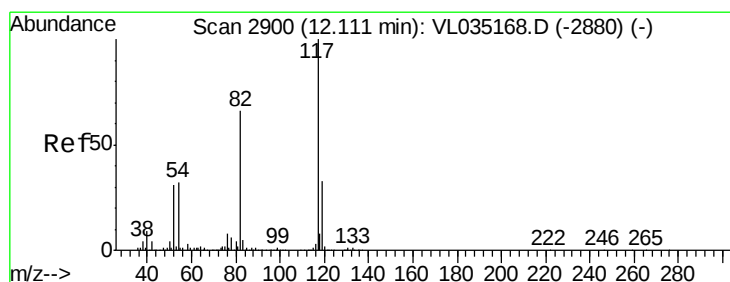
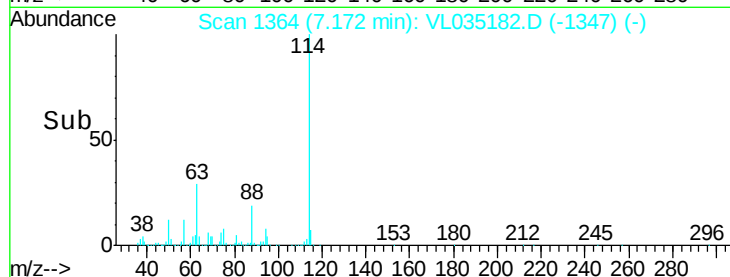
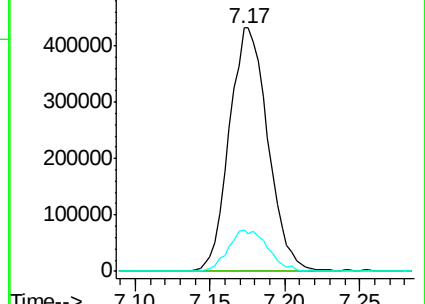
62 16.6 55.0 82.6#



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# 2899

Delta R.T. -0.00 min

Lab File: VL035182.D

Acq: 8 Jul 2020 13:16

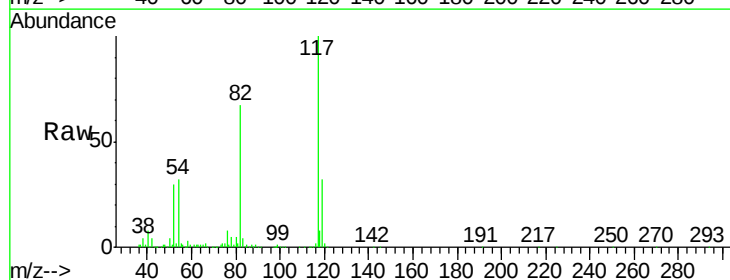
Tgt Ion: 117 Resp: 2601310

Ion Ratio Lower Upper

117 100

82 68.9 52.3 78.5

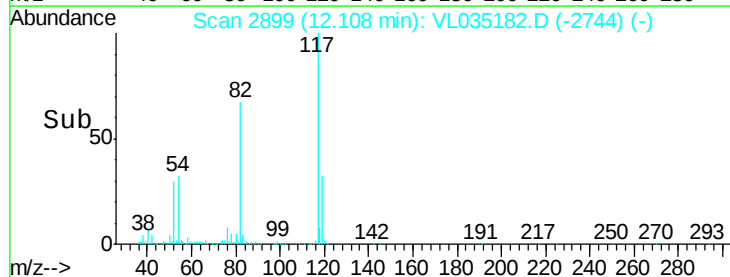
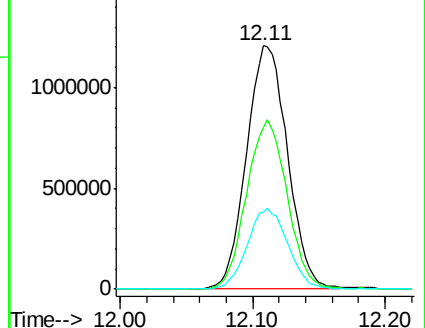
119 32.8 24.9 37.3

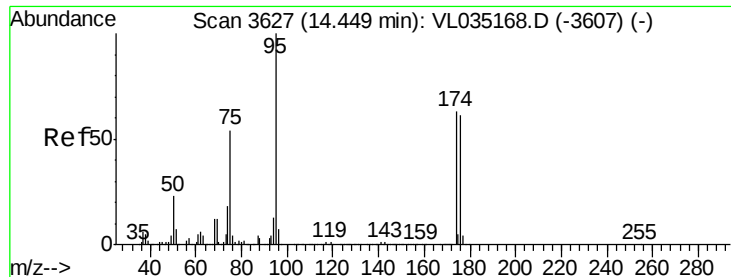


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.080 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. 0.00 min

Lab File: VL035182.D

Acq: 8 Jul 2020 13:16

Instrument :

MSVOA_L

ClientSampleId :

PERM-01DL

Tgt Ion: 95 Resp: 2130026

Ion Ratio Lower Upper

95 100

174 65.4 52.2 78.2

175 4.9 4.0 6.0

