

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
 Data File : VL036082.D
 Acq On : 8 Dec 2020 2:25
 Operator : SY/AP
 Sample : L4948-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1DL

Quant Time: Dec 08 08:41:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1276505	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2814623	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2540605	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2102022	10.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

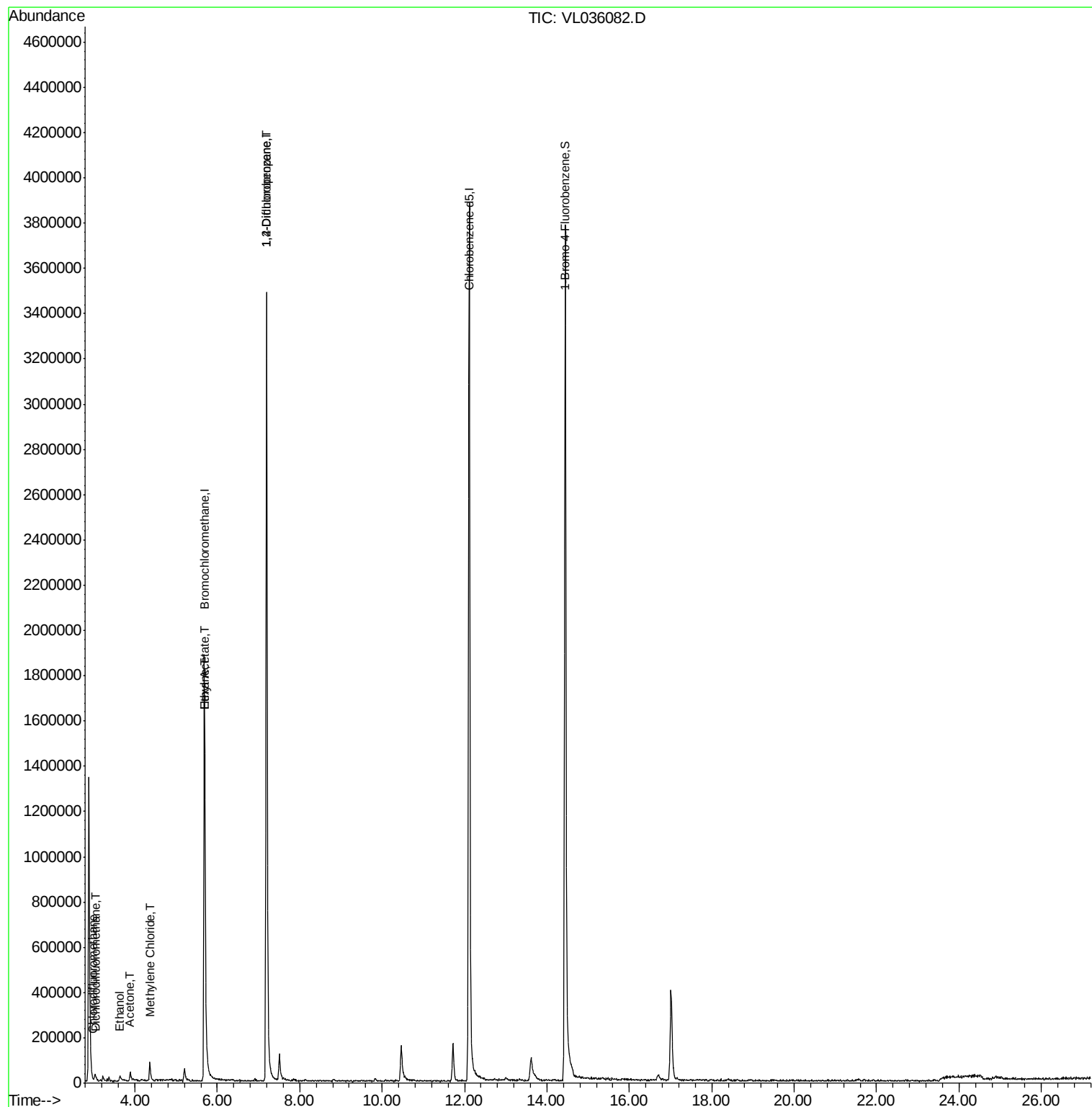
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.06	85	7621	0.051	ppbv	95
3) Chlorodifluoromethane	2.99	51	5396	0.037	ppbv #	77
13) Ethanol	3.63	45	13517	1.344	ppbv #	29
15) Acetone	3.88	43	34312	0.224	ppbv #	49
20) Methylene Chloride	4.36	84	19650	0.313	ppbv	87
25) Ethyl Acetate	5.71	43	10272	0.034	ppbv #	75
26) Hexane	5.71	57	17697	0.128	ppbv #	39
39) 1,2-Dichloropropane	7.19	63	824483	8.752	ppbv #	24

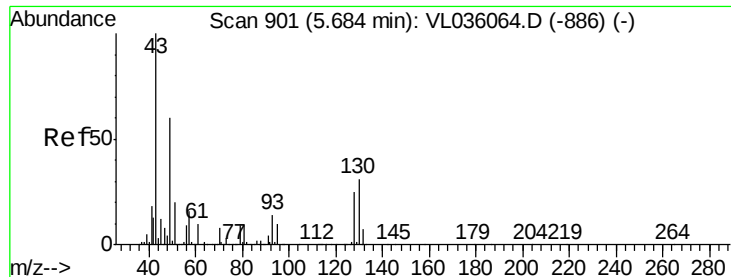
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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AA-1DL

Quant Time: Dec 08 08:41:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.00 min

Lab File: VL036082.D

Acq: 8 Dec 2020 2:25

Instrument :

MSVOA_L

ClientSampleId :

AA-1DL

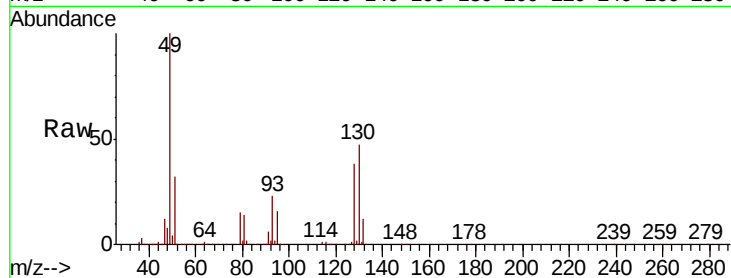
Tot Ion: 49 Resp: 1276505

Ion Ratio Lower Upper

49 100

128 40.4 21.1 63.1

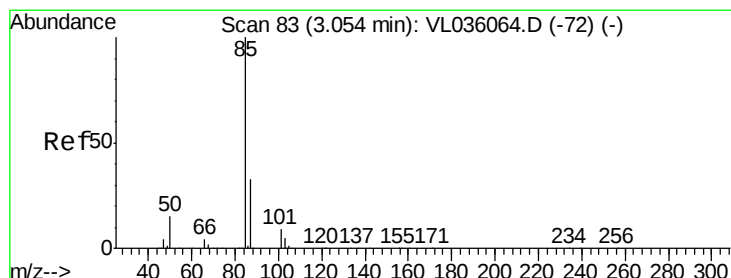
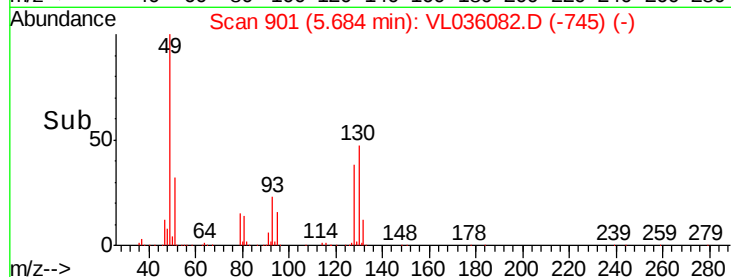
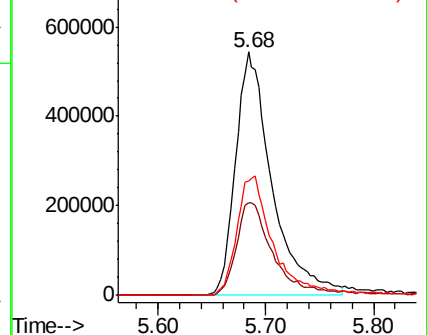
130 49.7 27.1 81.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.051 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.01 min

Lab File: VL036082.D

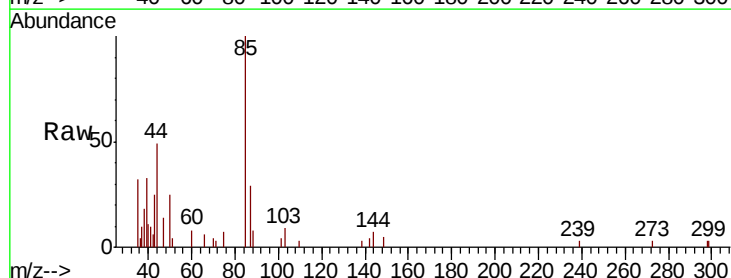
Acq: 8 Dec 2020 2:25

Tgt Ion: 85 Resp: 7621

Ion Ratio Lower Upper

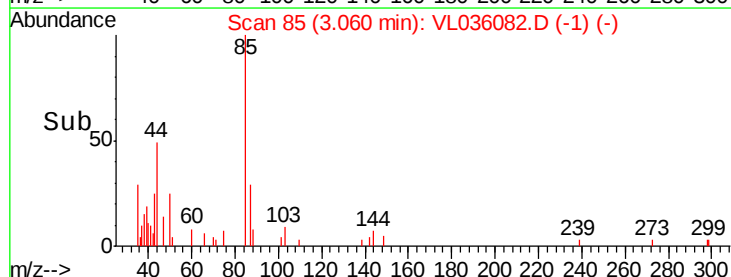
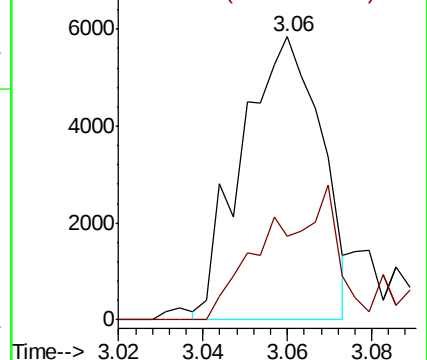
85 100

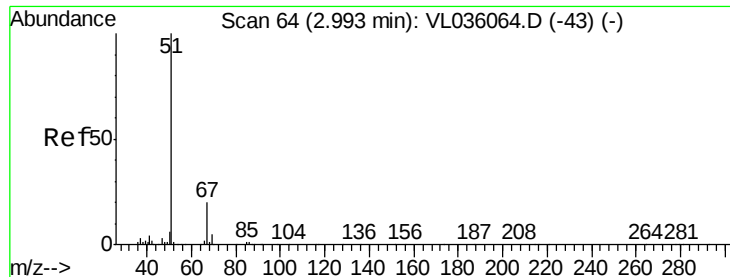
87 30.3 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.037 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL036082.D

Acq: 8 Dec 2020 2:25

Instrument :

MSVOA_L

ClientSampleId :

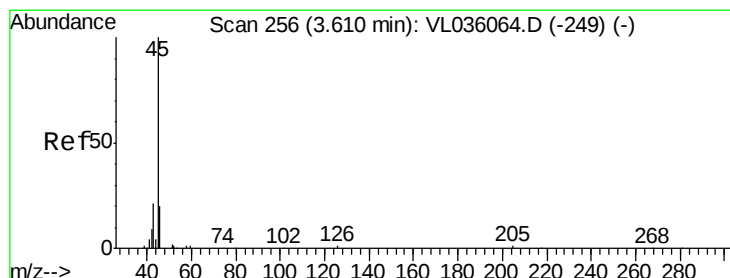
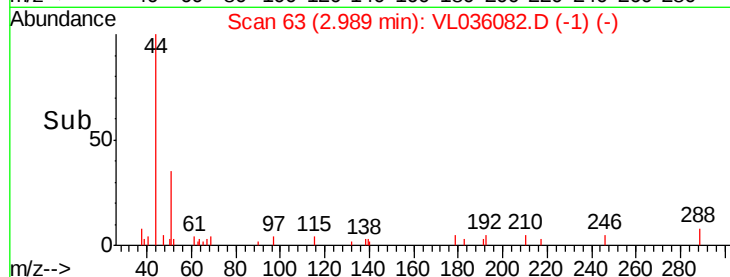
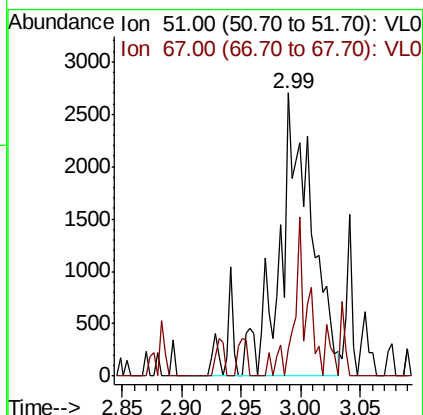
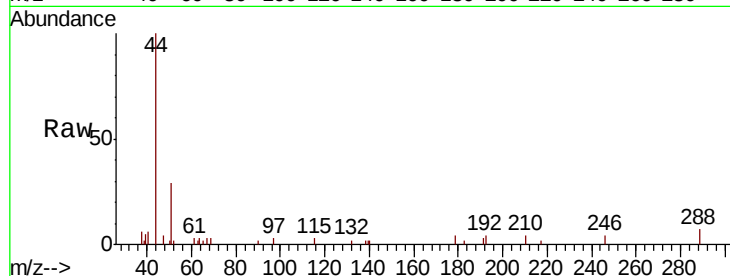
AA-1DL

Tot Ion: 51 Resp: 5396

Ion Ratio Lower Upper

51 100

67 27.9 14.3 21.5#



#13

Ethanol

Concen: 1.344 ppbv

RT: 3.63 min Scan# 263

Delta R.T. 0.02 min

Lab File: VL036082.D

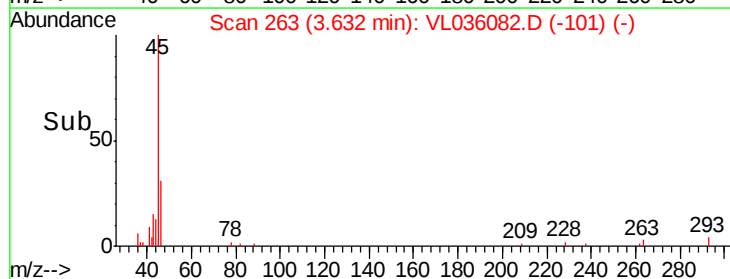
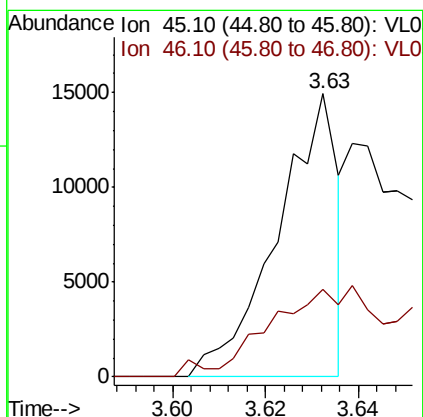
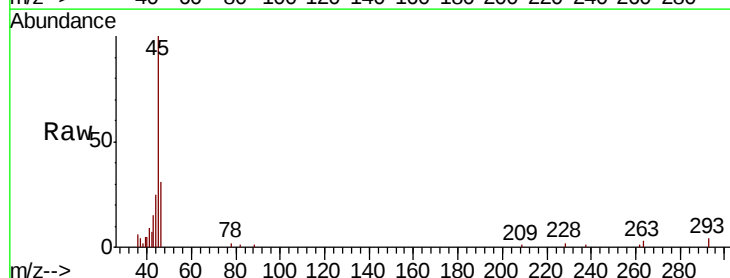
Acq: 8 Dec 2020 2:25

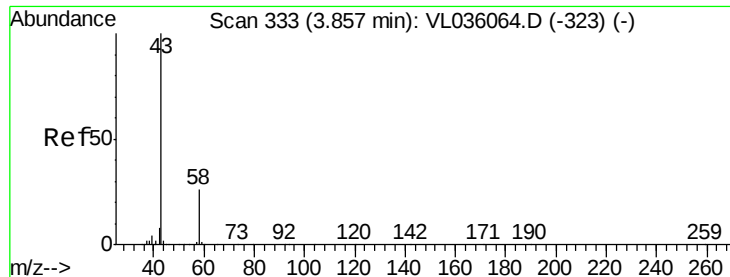
Tgt Ion: 45 Resp: 13517

Ion Ratio Lower Upper

45 100

46 0.0 19.0 75.8#





#15

Acetone

Concen: 0.224 ppbv

RT: 3.88 min Scan# 340

Delta R.T. 0.02 min

Lab File: VL036082.D

Acq: 8 Dec 2020 2:25

Instrument :

MSVOA_L

ClientSampleId :

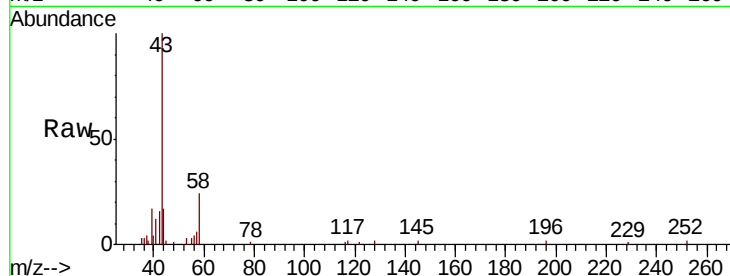
AA-1DL

Tot Ion: 43 Resp: 34312

Ion Ratio Lower Upper

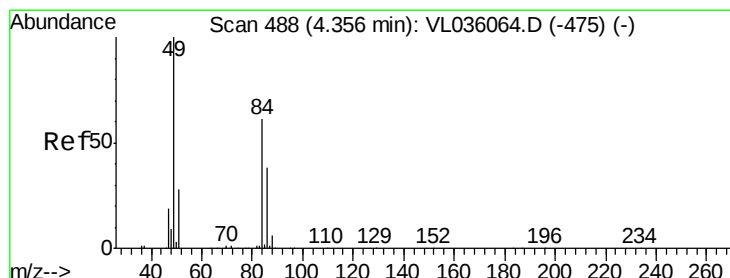
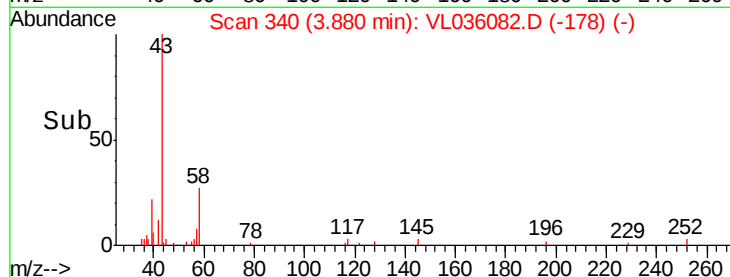
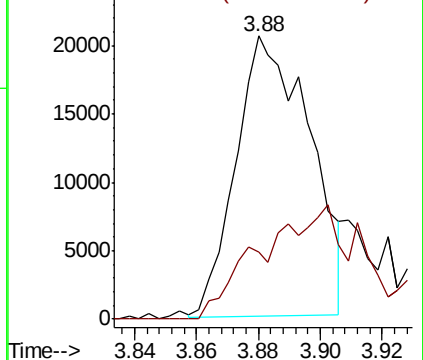
43 100

58 0.0 20.9 31.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.313 ppbv

RT: 4.36 min Scan# 488

Delta R.T. -0.00 min

Lab File: VL036082.D

Acq: 8 Dec 2020 2:25

Tgt Ion: 84 Resp: 19650

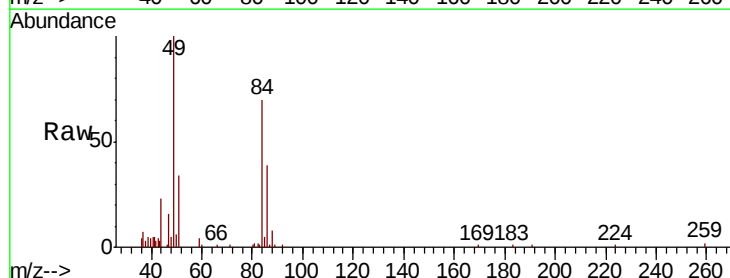
Ion Ratio Lower Upper

84 100

49 140.2 133.0 199.4

51 48.1 38.9 58.3

86 55.9 48.8 73.2

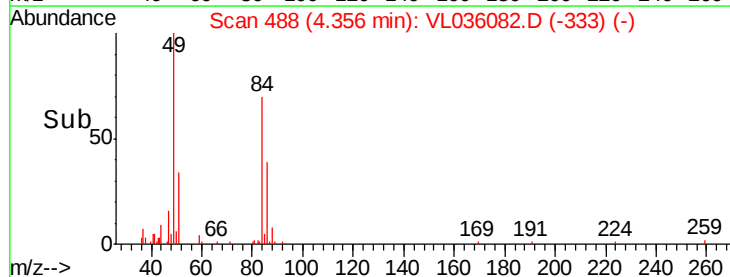
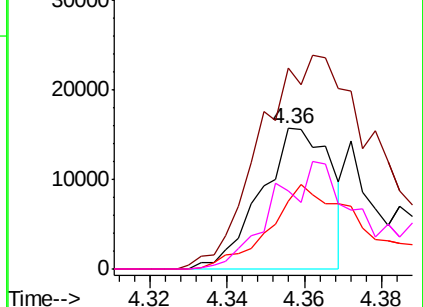


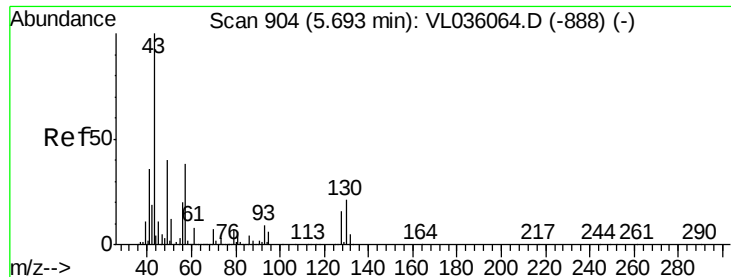
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#25

Ethyl Acetate

Concen: 0.034 ppbv

RT: 5.71 min Scan# 908

Delta R.T. 0.01 min

Lab File: VL036082.D

Acq: 8 Dec 2020 2:25

Instrument :

MSVOA_L

ClientSampleId :

AA-1DL

Tot Ion: 43 Resp: 10272

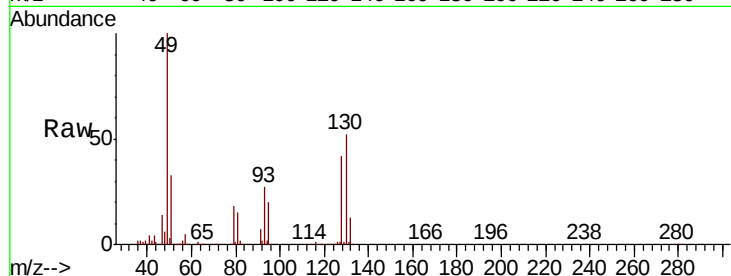
Ion Ratio Lower Upper

43 100

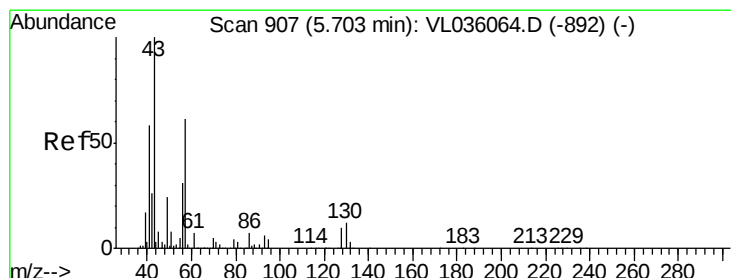
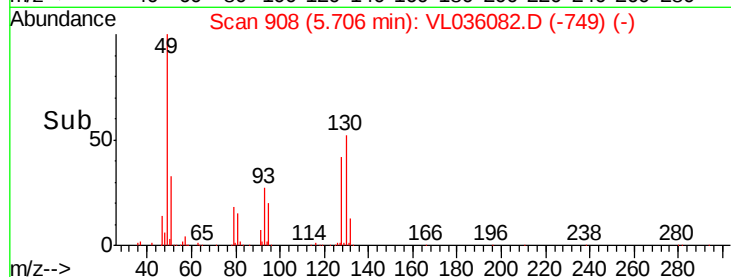
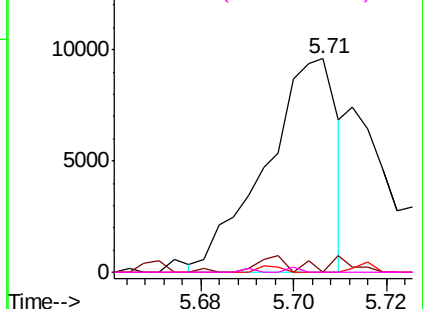
45 0.0 8.2 12.4#

61 0.0 7.4 11.2#

70 0.0 5.4 8.0#



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: 0.128 ppbv

RT: 5.71 min Scan# 908

Delta R.T. 0.00 min

Lab File: VL036082.D

Acq: 8 Dec 2020 2:25

Tgt Ion: 57 Resp: 17697

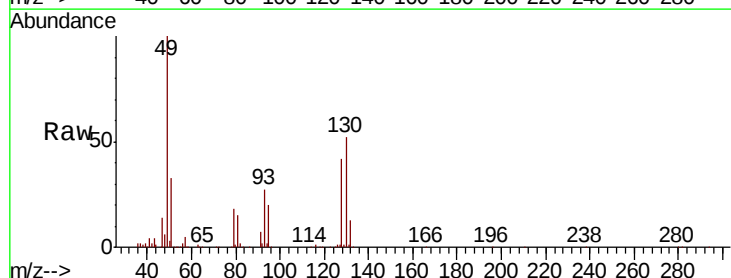
Ion Ratio Lower Upper

57 100

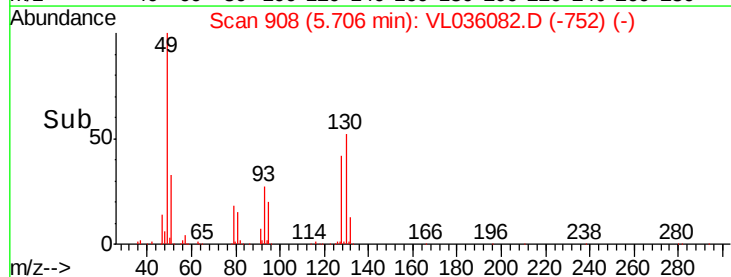
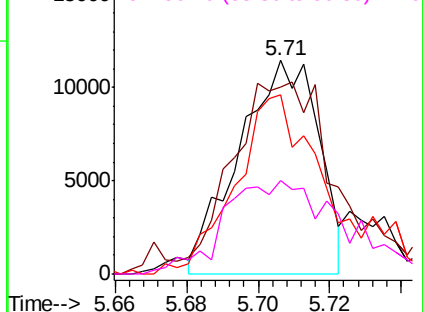
41 133.0 82.9 124.3#

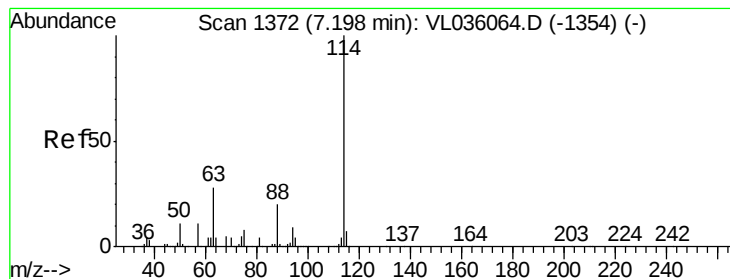
43 104.1 199.9 299.9#

56 67.8 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





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.20 min Scan# 1372

Delta R.T. -0.00 min

Lab File: VL036082.D

Acq: 8 Dec 2020 2:25

Instrument :

MSVOA_L

ClientSampleId :

AA-1DL

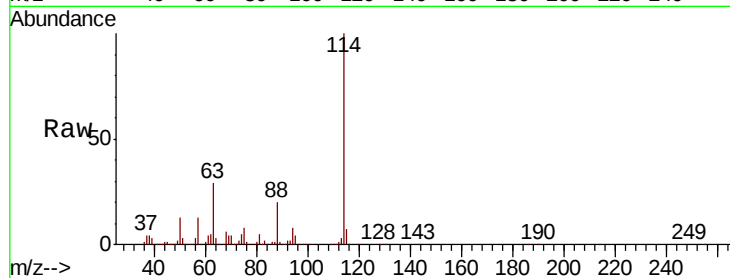
Tot Ion:114 Resp: 2814623

Ion Ratio Lower Upper

114 100

63 29.9 23.6 35.4

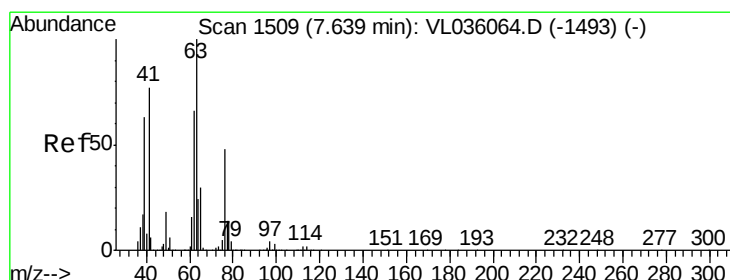
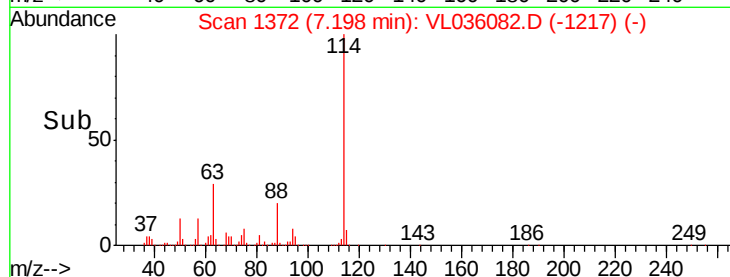
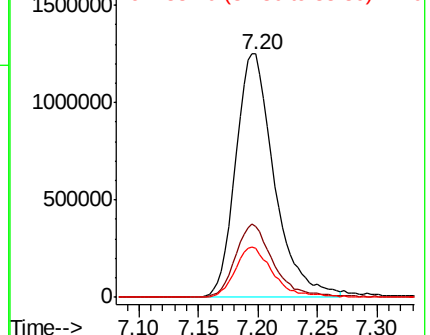
88 20.5 15.8 23.6



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#39

1,2-Dichloropropane

Concen: 8.752 ppbv

RT: 7.19 min Scan# 1371

Delta R.T. -0.44 min

Lab File: VL036082.D

Acq: 8 Dec 2020 2:25

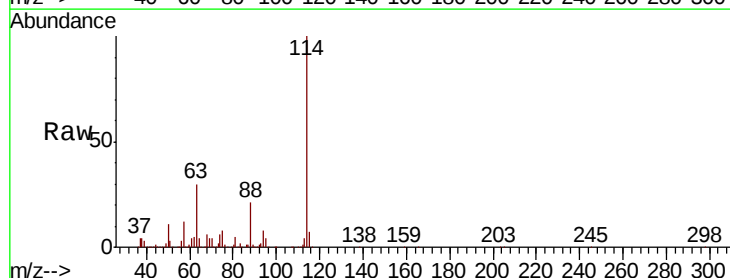
Tgt Ion: 63 Resp: 824483

Ion Ratio Lower Upper

63 100

41 0.0 61.9 92.9#

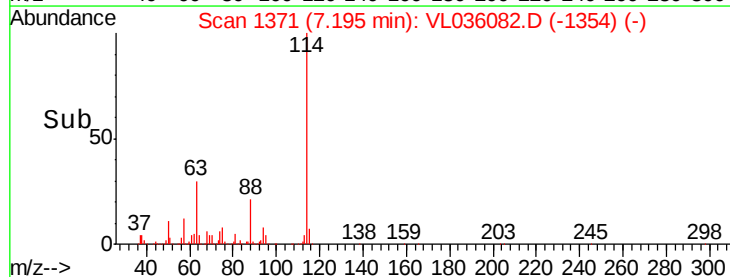
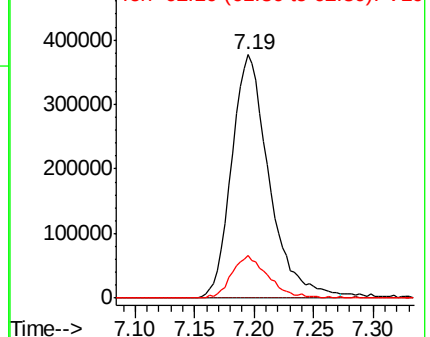
62 17.7 52.5 78.7#

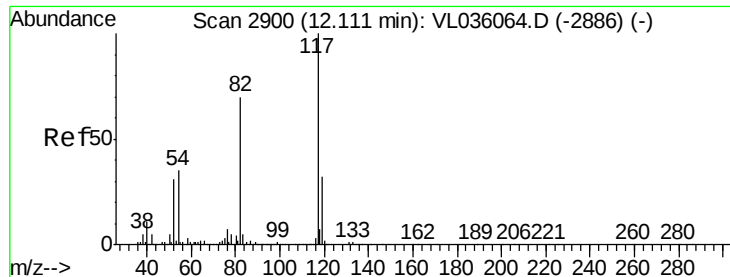


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

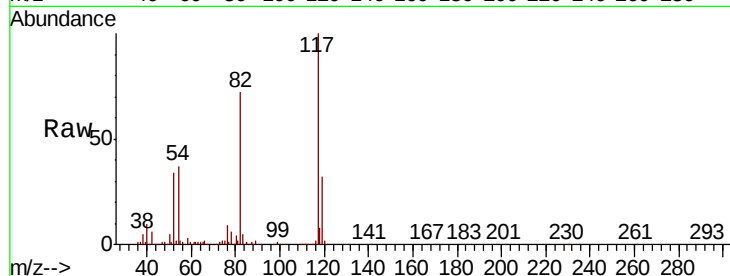




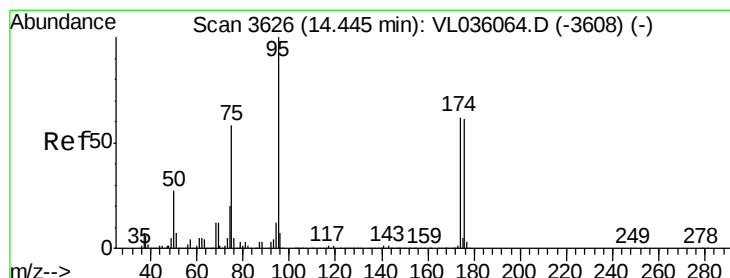
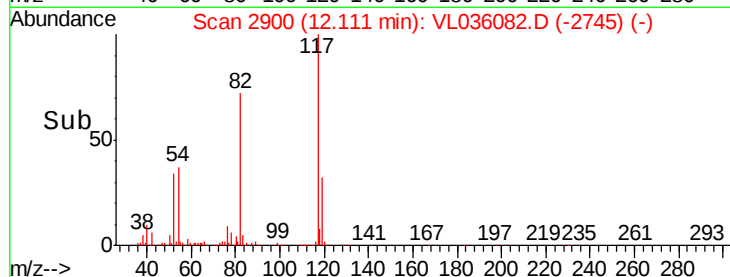
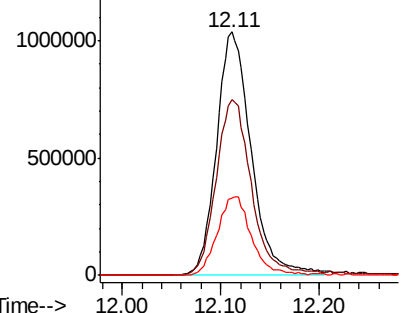
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL036082.D
Acq: 8 Dec 2020 2:25

Instrument :
MSVOA_L
ClientSampled :
AA-1DL

Tot Ion:117 Resp: 2540605
Ion Ratio Lower Upper
117 100
82 75.1 0.0 0.0#
119 32.5 0.0 0.0#

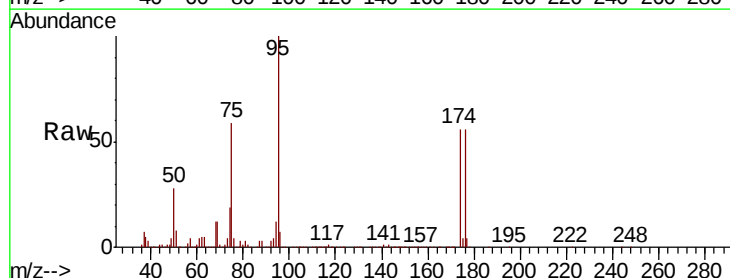


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.420 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. -0.00 min
Lab File: VL036082.D
Acq: 8 Dec 2020 2:25

Tgt Ion: 95 Resp: 2102022
Ion Ratio Lower Upper
95 100
174 58.9 50.7 76.1
175 4.3 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

