

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051920\
 Data File : VL035049.D
 Acq On : 19 May 2020 18:18
 Operator : SY/AP
 Sample : L2683-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 20 04:45:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1107186	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2495869	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.10	117	2421904	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2075317	10.59	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.90%

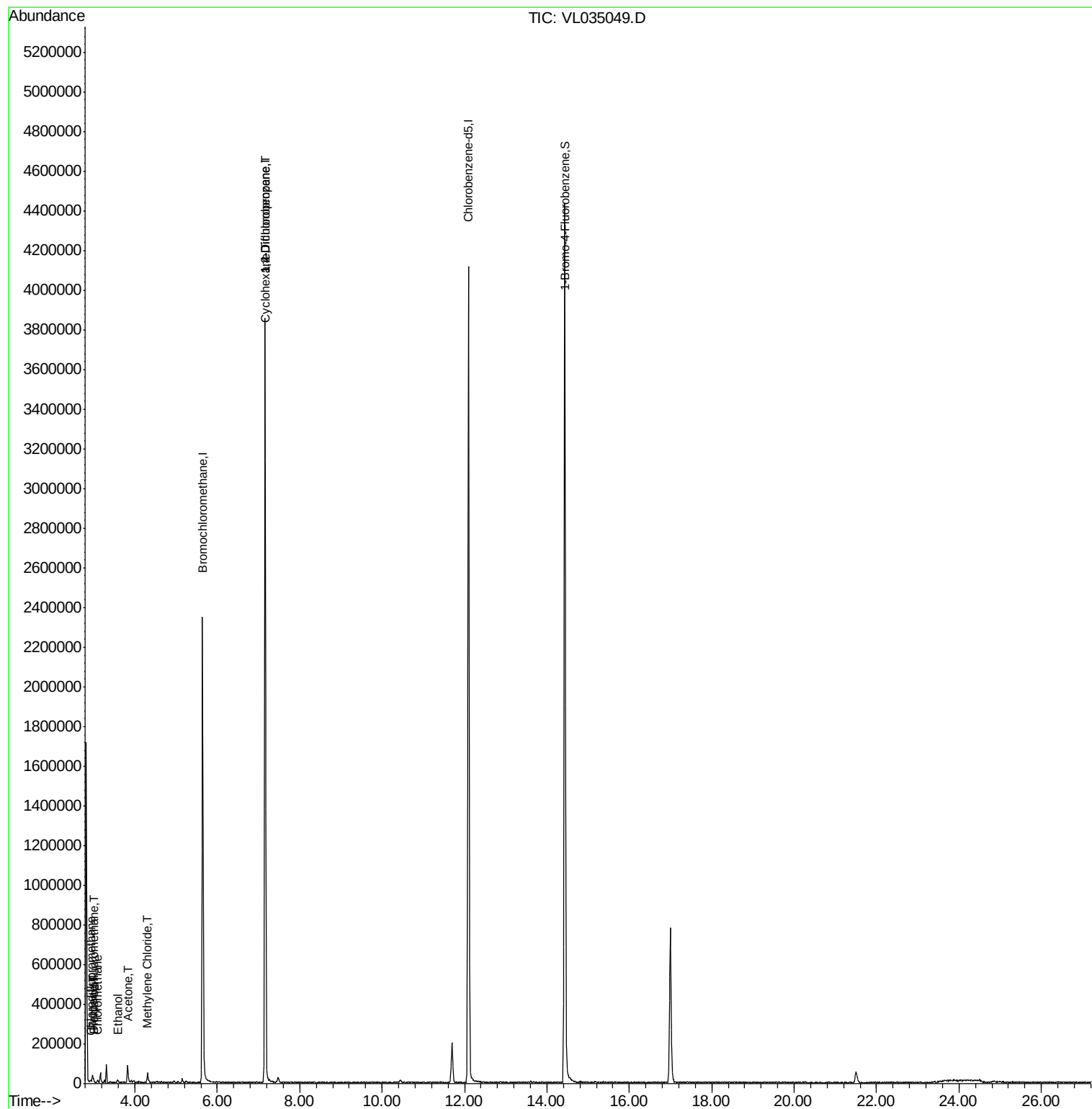
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	9382	0.060 ppbv	91
3) Chlorodifluoromethane	2.93	51	6631	0.052 ppbv #	85
4) Chloromethane	3.09	50	5445	0.075 ppbv	93
9) Propene	2.96	41	3992	0.073 ppbv #	22
13) Ethanol	3.57	45	3523	0.195 ppbv #	1
15) Acetone	3.82	43	78103	0.534 ppbv #	88
20) Methylene Chloride	4.31	84	9799	0.202 ppbv #	72
30) Cyclohexane	7.15	84	3452	0.042 ppbv #	1
39) 1,2-Dichloropropane	7.16	63	699809	8.484 ppbv #	25

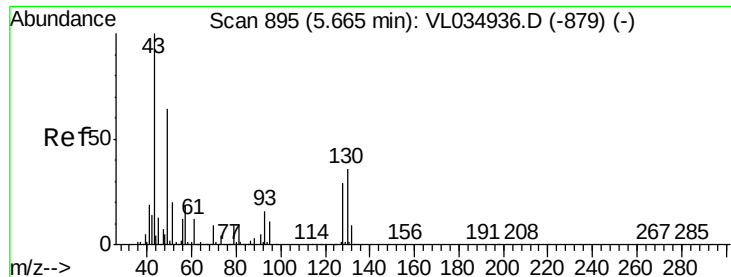
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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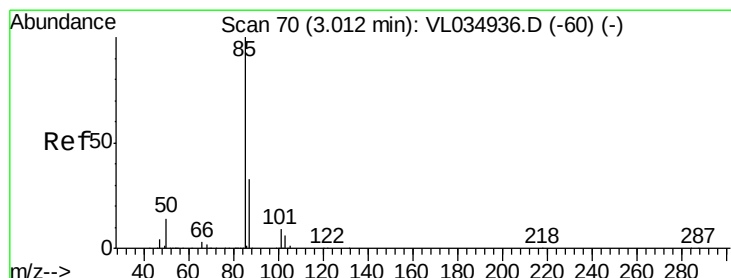
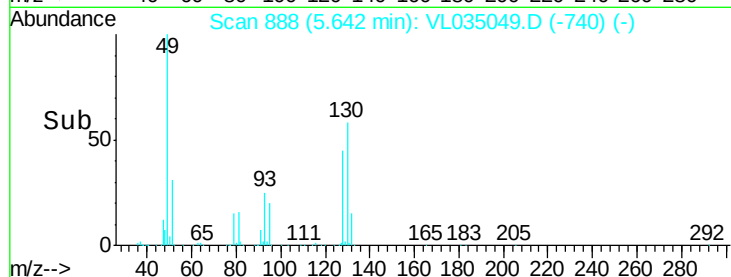
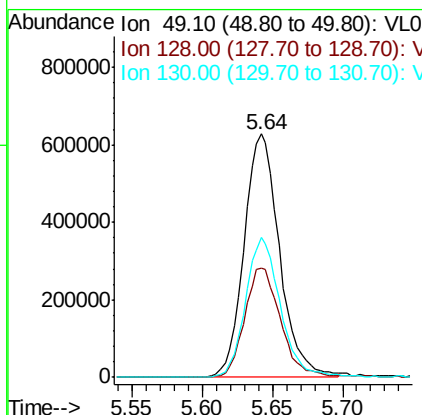
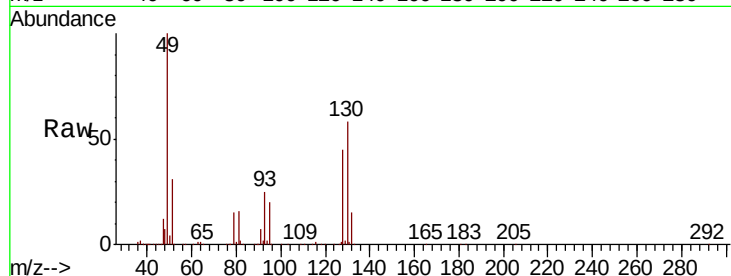




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 888
 Delta R.T. -0.02 min
 Lab File: VL035049.D
 Acq: 19 May 2020 18:18

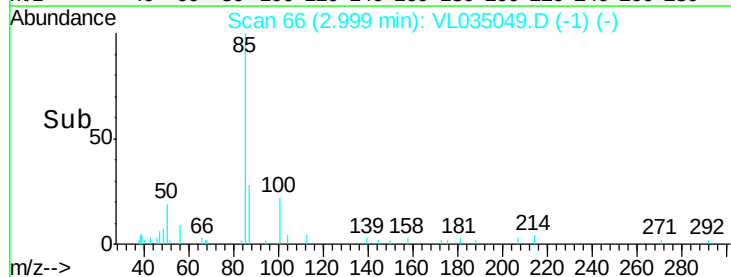
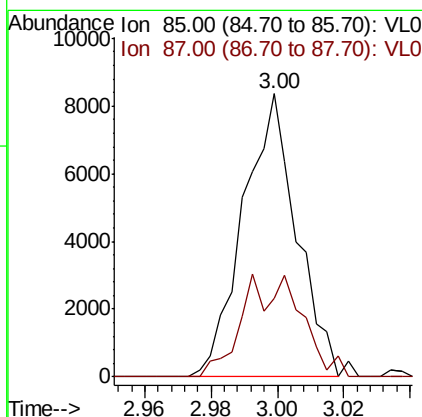
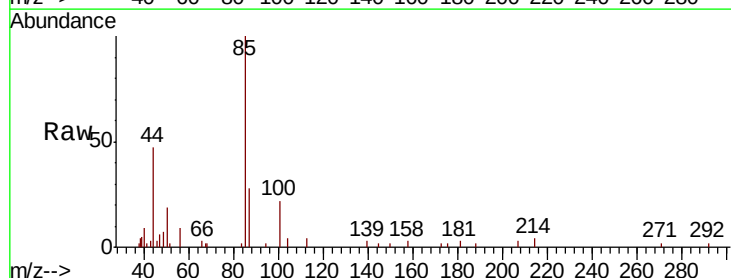
Instrument :
 MSVOA_L
 ClientSampleId :

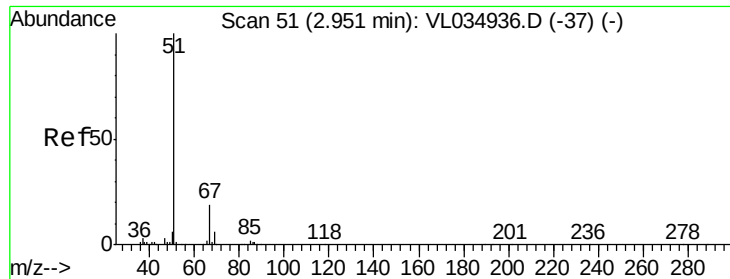
Tot Ion: 49 Resp: 1107186
 Ion Ratio Lower Upper
 49 100
 128 46.2 22.1 66.5
 130 57.2 29.1 87.3



#2
 Dichlorodifluoromethane
 Concen: 0.060 ppbv
 RT: 3.00 min Scan# 66
 Delta R.T. -0.01 min
 Lab File: VL035049.D
 Acq: 19 May 2020 18:18

Tgt Ion: 85 Resp: 9382
 Ion Ratio Lower Upper
 85 100
 87 27.7 26.2 39.2





#3

Chlorodifluoromethane

Concen: 0.052 ppbv

RT: 2.93 min Scan# 46

Delta R.T. -0.02 min

Lab File: VL035049.D

Acq: 19 May 2020 18:18

Instrument :

MSVOA_L

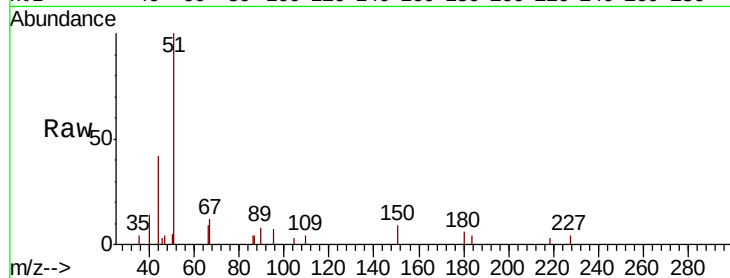
ClientSampleId :

Tot Ion: 51 Resp: 6631

Ion Ratio Lower Upper

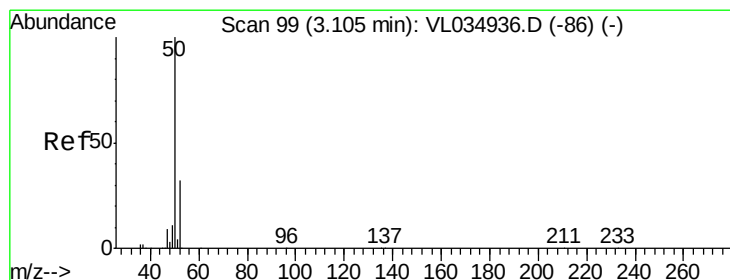
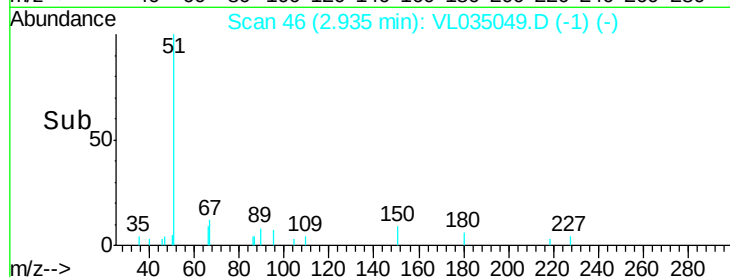
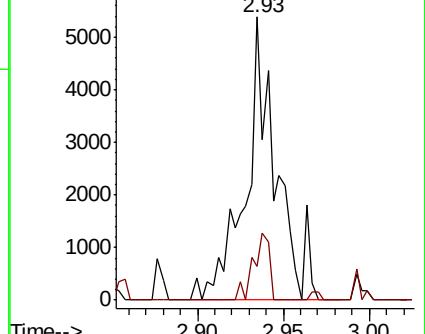
51 100

67 12.1 15.0 22.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.075 ppbv

RT: 3.09 min Scan# 95

Delta R.T. -0.01 min

Lab File: VL035049.D

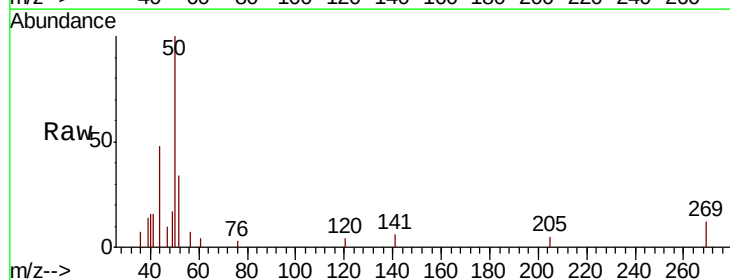
Acq: 19 May 2020 18:18

Tgt Ion: 50 Resp: 5445

Ion Ratio Lower Upper

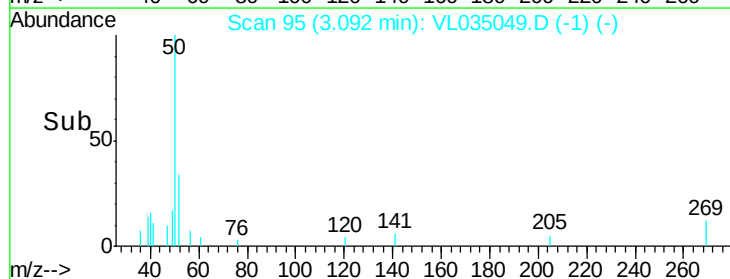
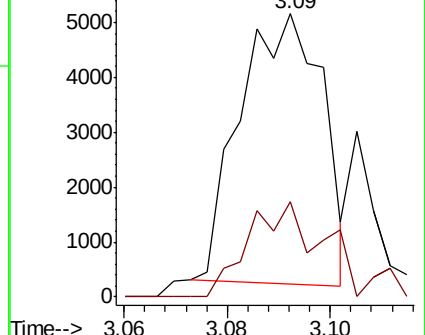
50 100

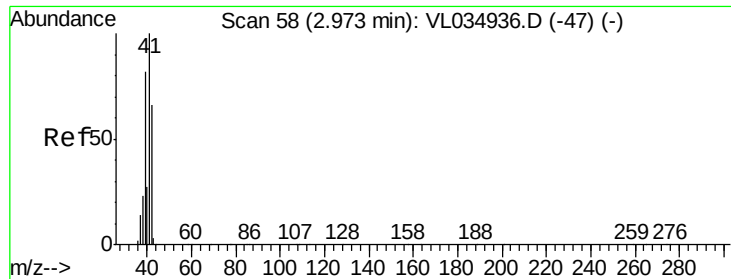
52 35.9 25.4 38.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.073 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.01 min

Lab File: VL035049.D

Acq: 19 May 2020 18:18

Instrument :

MSVOA_L

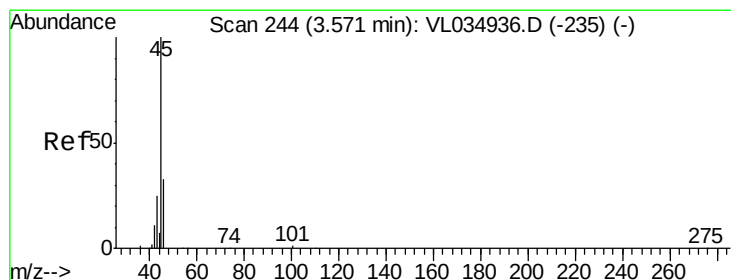
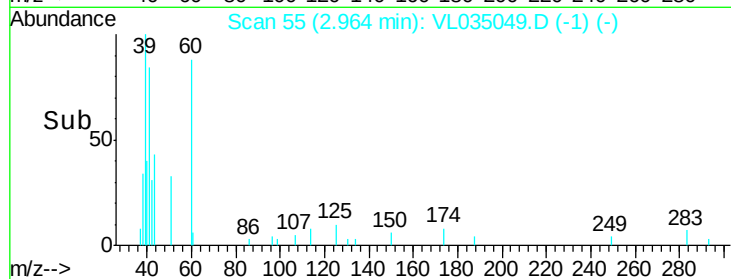
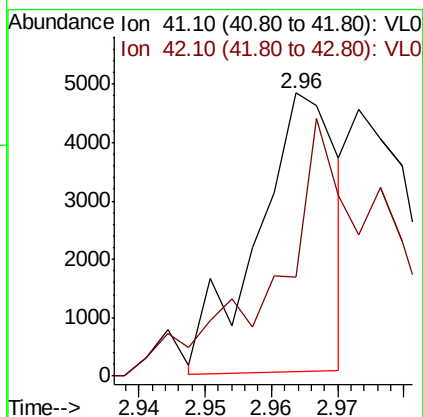
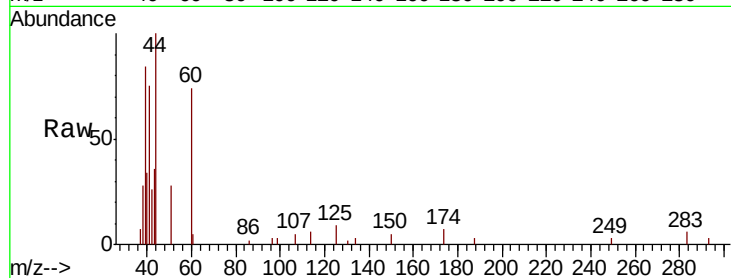
ClientSampleId :

Tot Ion: 41 Resp: 3992

Ion Ratio Lower Upper

41 100

42 131.0 54.5 81.7#



#13

Ethanol

Concen: 0.195 ppbv

RT: 3.57 min Scan# 243

Delta R.T. -0.00 min

Lab File: VL035049.D

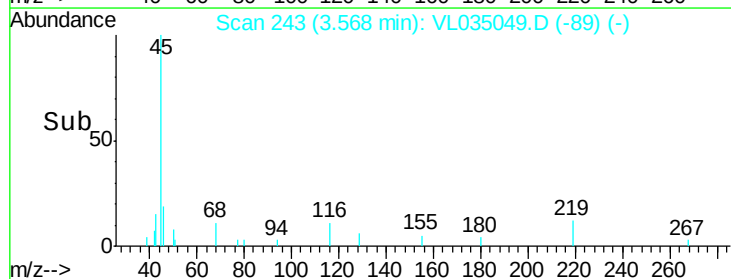
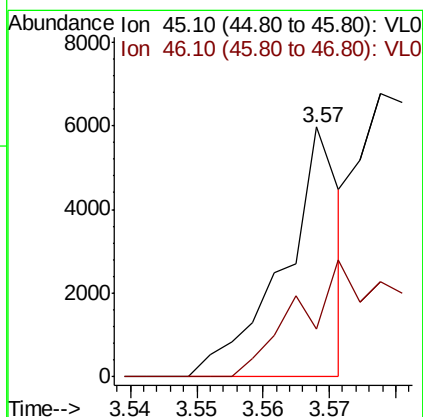
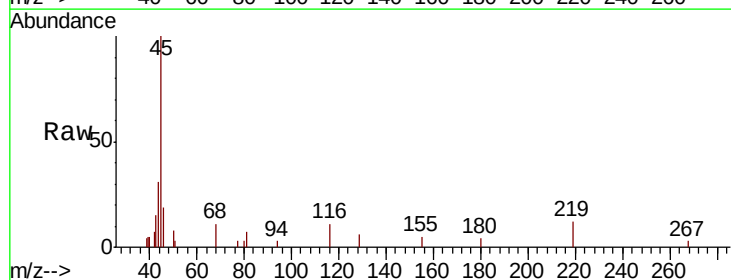
Acq: 19 May 2020 18:18

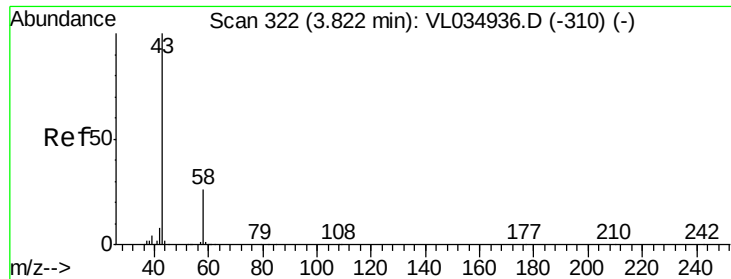
Tgt Ion: 45 Resp: 3523

Ion Ratio Lower Upper

45 100

46 143.2 14.3 57.3#





#15

Acetone

Concen: 0.534 ppbv

RT: 3.82 min Scan# 322

Delta R.T. -0.00 min

Lab File: VL035049.D

Acq: 19 May 2020 18:18

Instrument :

MSVOA_L

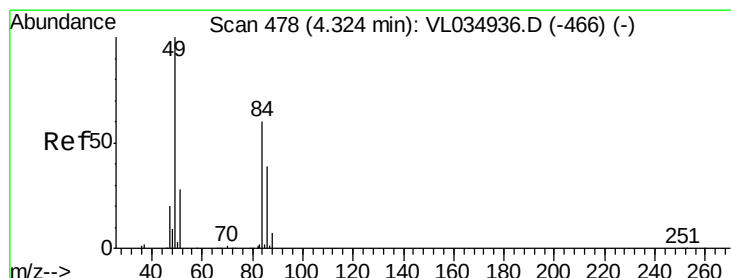
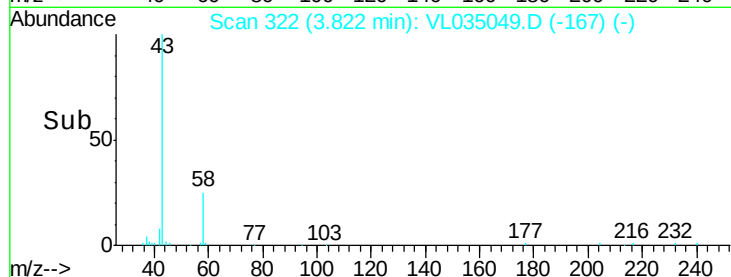
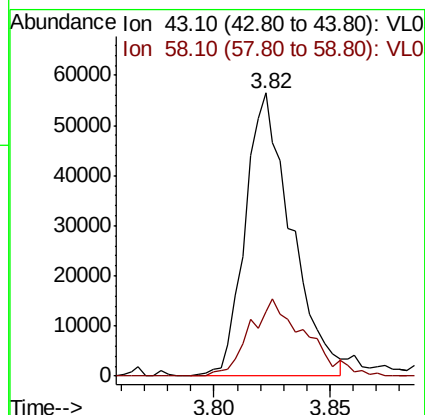
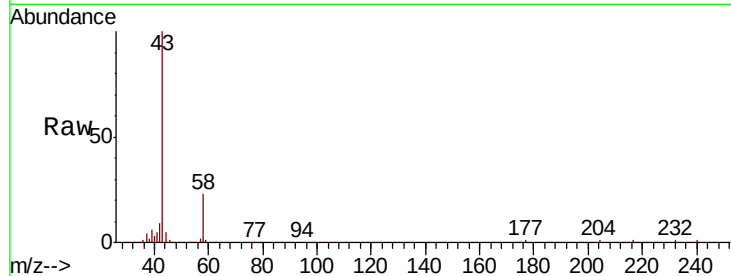
ClientSampleId :

Tot Ion: 43 Resp: 78103

Ion Ratio Lower Upper

43 100

58 33.1 21.7 32.5#



#20

Methylene Chloride

Concen: 0.202 ppbv

RT: 4.31 min Scan# 473

Delta R.T. -0.02 min

Lab File: VL035049.D

Acq: 19 May 2020 18:18

Tgt Ion: 84 Resp: 9799

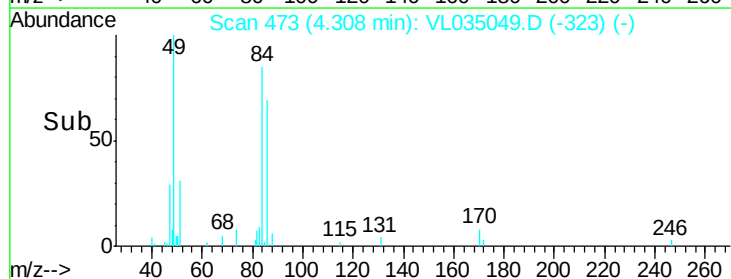
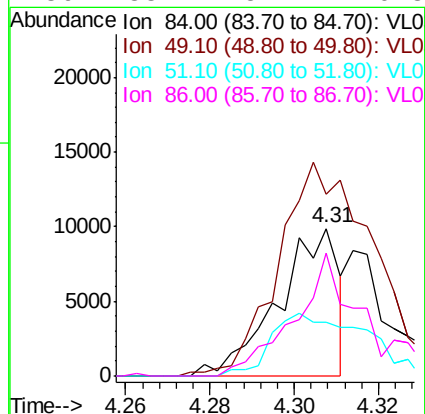
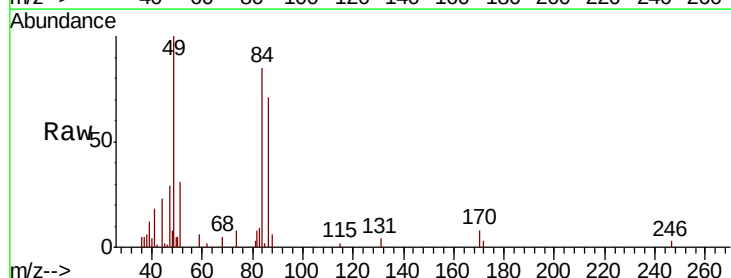
Ion Ratio Lower Upper

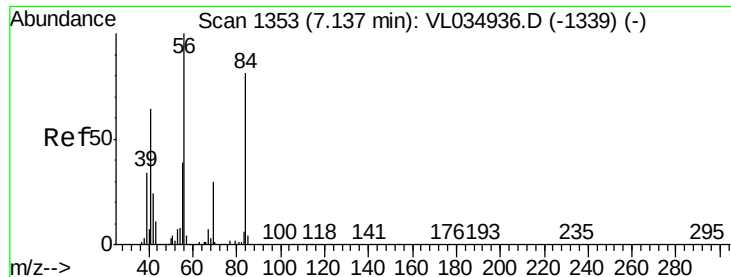
84 100

49 121.0 132.5 198.7#

51 36.4 38.4 57.6#

86 83.2 51.2 76.8#

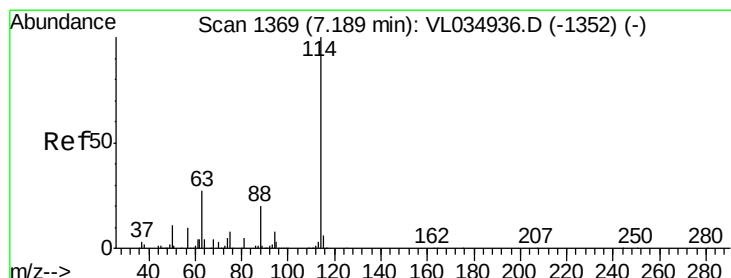
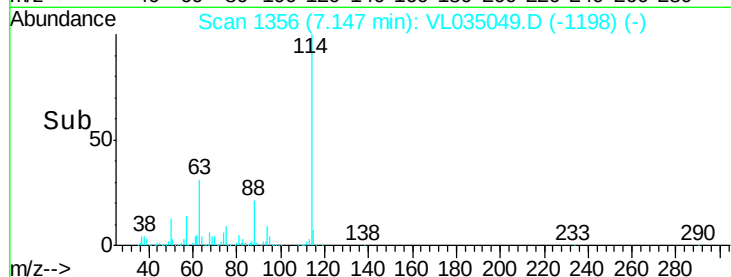
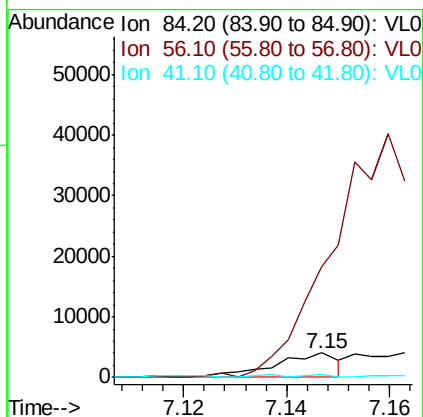
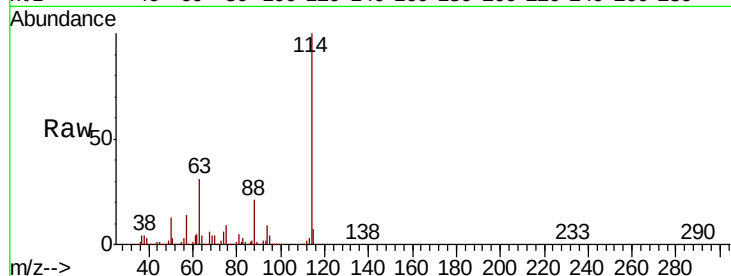




#30
Cyclohexane
Concen: 0.042 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. 0.01 min
Lab File: VL035049.D
Acq: 19 May 2020 18:18

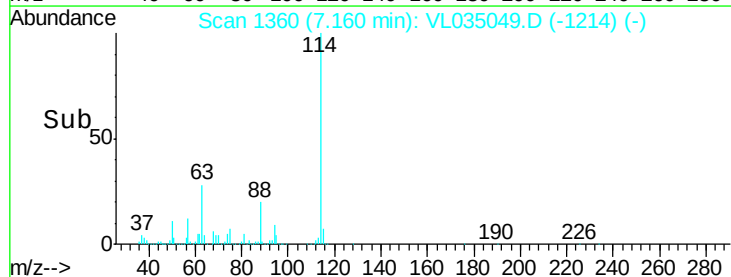
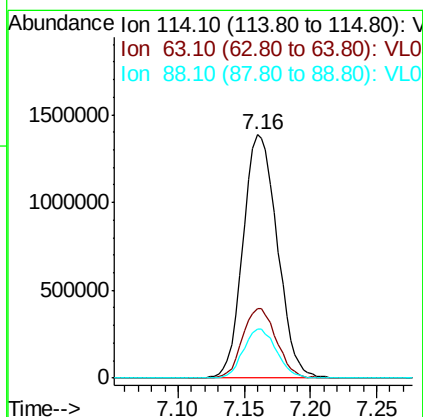
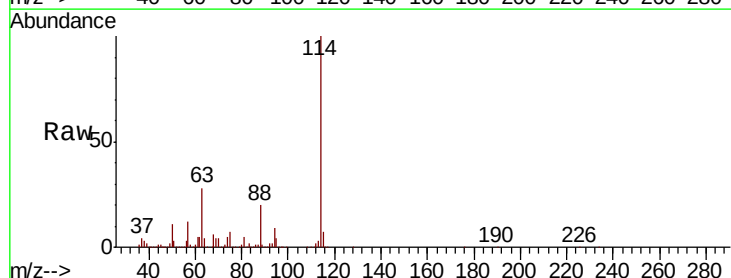
Instrument :
MSVOA_L
ClientSampleId :

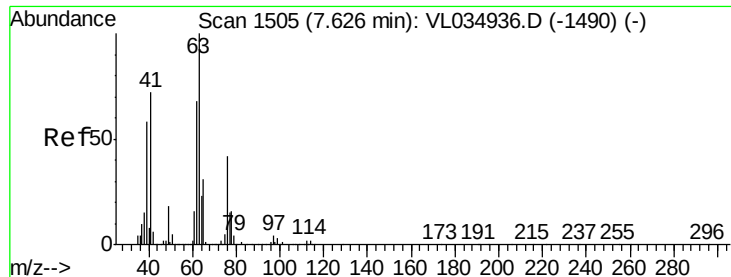
Tot Ion: 84 Resp: 3452
Ion Ratio Lower Upper
84 100
56 0.0 111.4 167.2#
41 9.9 66.7 100.1#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.03 min
Lab File: VL035049.D
Acq: 19 May 2020 18:18

Tgt Ion:114 Resp: 2495869
Ion Ratio Lower Upper
114 100
63 28.4 22.2 33.4
88 19.5 15.5 23.3





#39

1,2-Dichloropropane

Concen: 8.484 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.47 min

Lab File: VL035049.D

Acq: 19 May 2020 18:18

Instrument :

MSVOA_L

ClientSampleId :

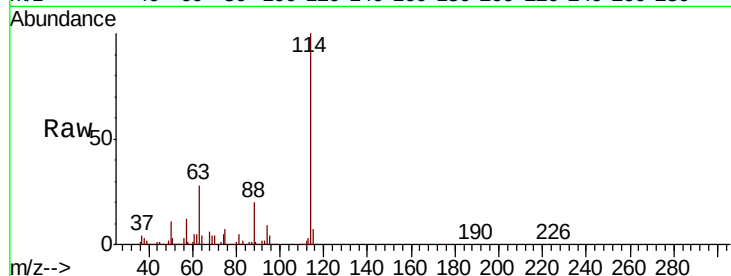
Tot Ion: 63 Resp: 699809

Ion Ratio Lower Upper

63 100

41 0.1 57.8 86.8#

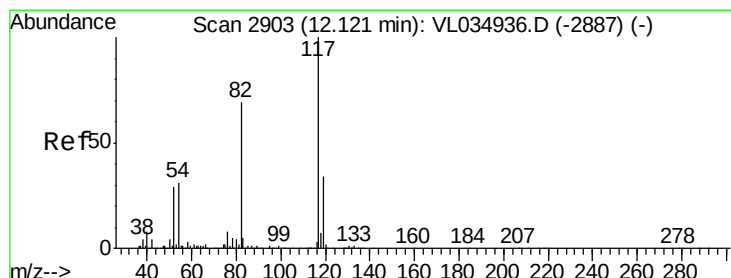
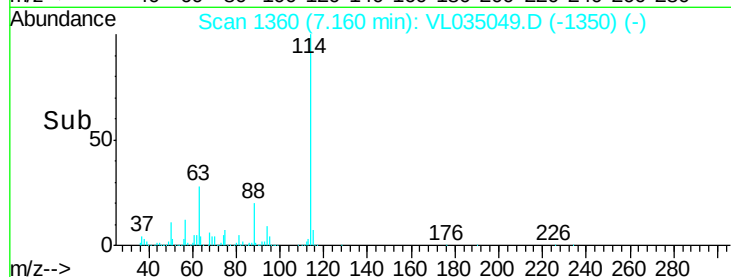
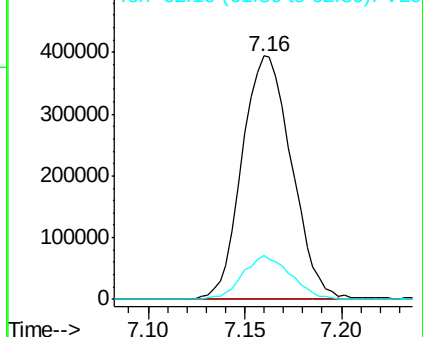
62 17.7 54.2 81.2#



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: 12.10 min Scan# 2895

Delta R.T. -0.03 min

Lab File: VL035049.D

Acq: 19 May 2020 18:18

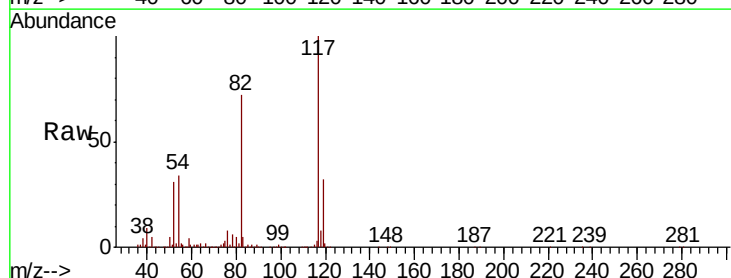
Tgt Ion: 117 Resp: 2421904

Ion Ratio Lower Upper

117 100

82 70.3 53.1 79.7

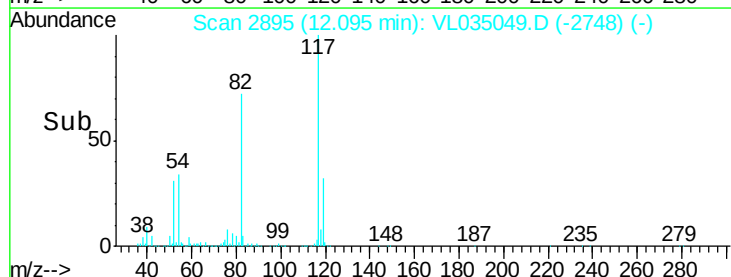
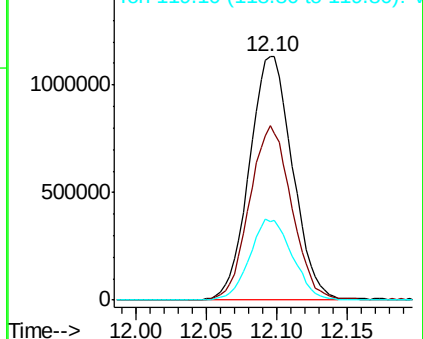
119 32.9 26.7 40.1

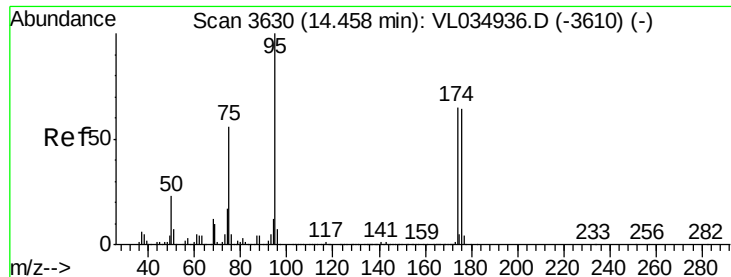


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.586 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. -0.03 min

Lab File: VL035049.D

Acq: 19 May 2020 18:18

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2075317

Ion Ratio Lower Upper

95 100

174 63.1 51.5 77.3

175 4.5 3.8 5.8

