

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110320\
 Data File : VL035811.D
 Acq On : 3 Nov 2020 20:01
 Operator : SY/AP
 Sample : L4604-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 04 05:16:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1264349	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	5619710	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.07	117	5166993	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	3599242	9.80	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.00%

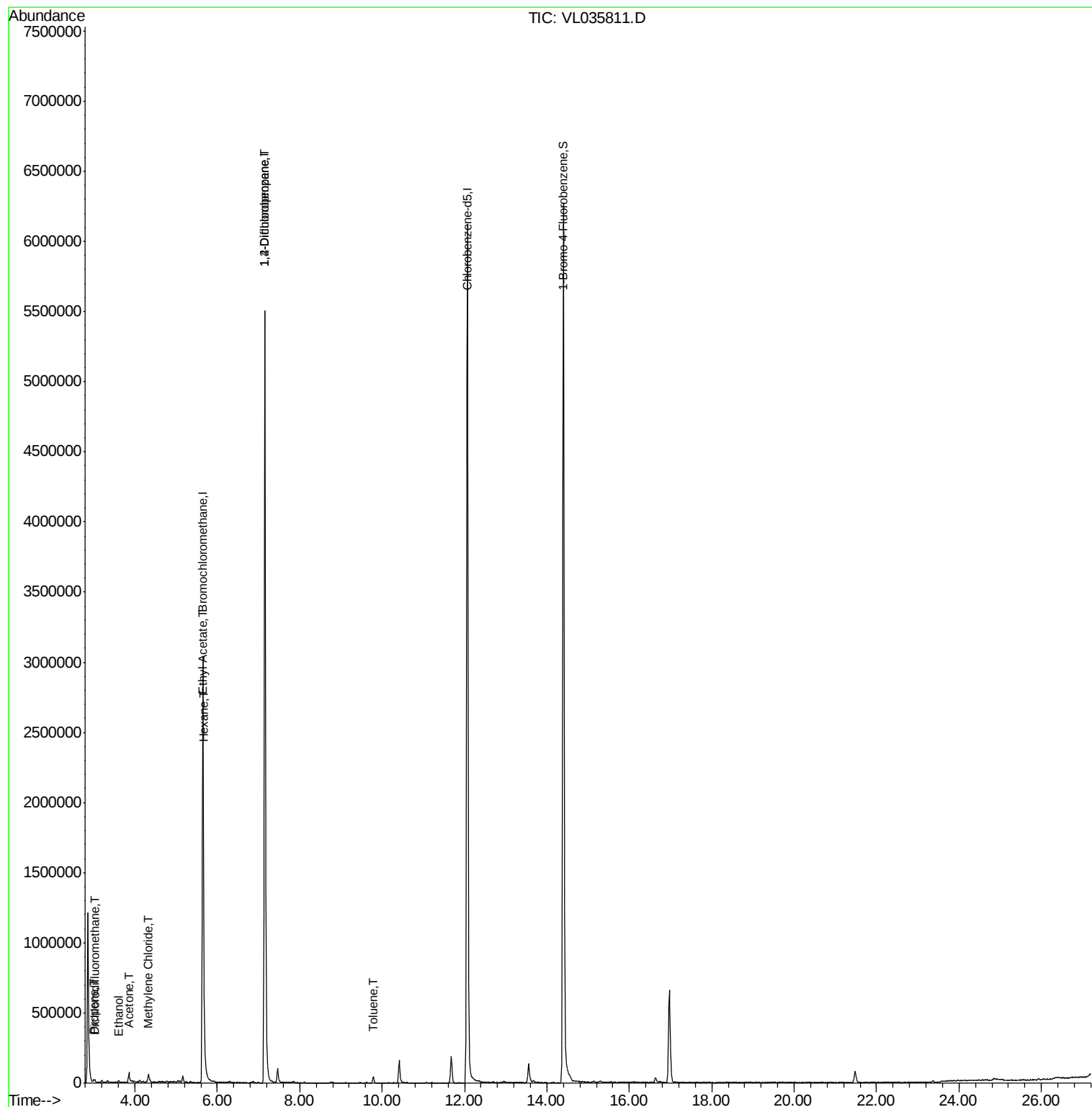
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	12952	0.054	ppbv	97
9) Propene	3.00	41	6838	0.123	ppbv	100
13) Ethanol	3.60	45	3896	0.324	ppbv #	35
15) Acetone	3.85	43	43115	0.319	ppbv #	58
20) Methylene Chloride	4.32	84	32545	0.342	ppbv	96
25) Ethyl Acetate	5.66	43	10718	0.040	ppbv #	75
26) Hexane	5.67	57	21108	0.144	ppbv #	49
39) 1,2-Dichloropropane	7.15	63	1020167	7.253	ppbv #	30
53) Toluene	9.79	91	41037	0.081	ppbv	100

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
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QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.02 min

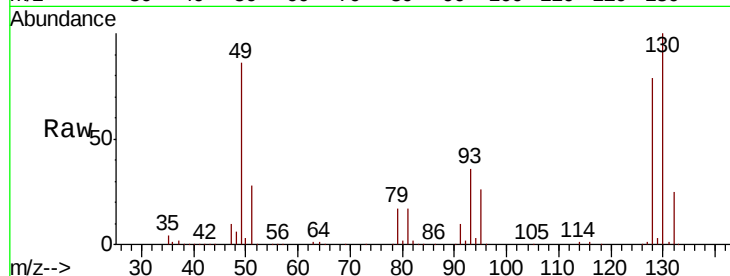
Lab File: VL035811.D

Acq: 3 Nov 2020 20:01

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1264349

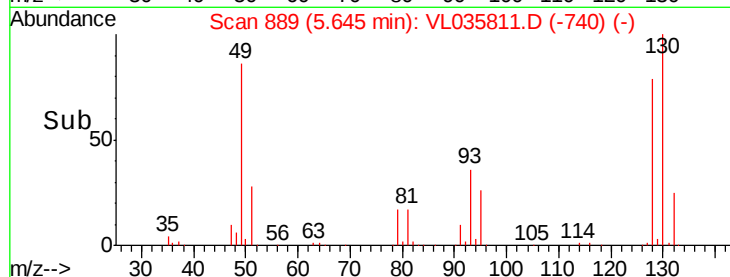
Ion	Ratio	Lower	Upper
49	100		
128	93.6	41.5	124.6
130	120.2	53.7	161.1



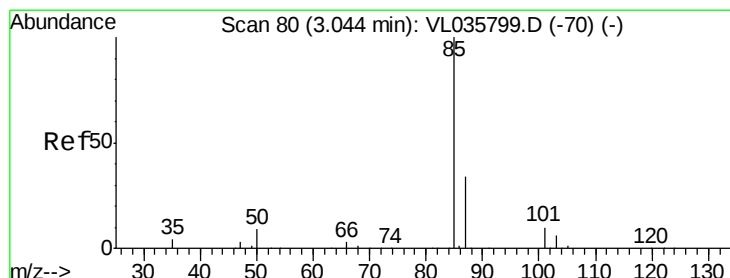
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 0.054 ppbv

RT: 3.03 min Scan# 76

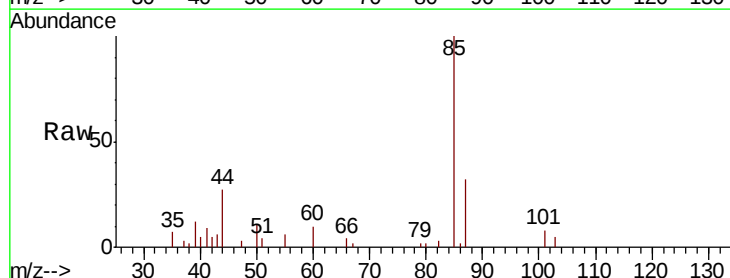
Delta R.T. -0.01 min

Lab File: VL035811.D

Acq: 3 Nov 2020 20:01

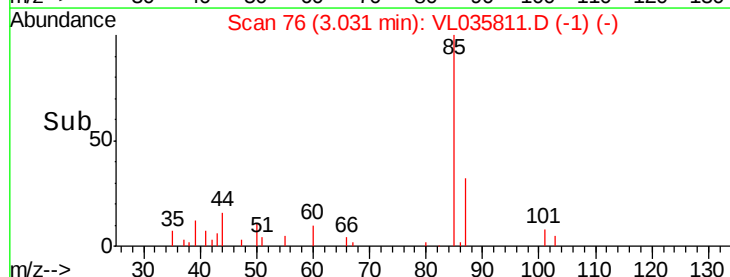
Tgt Ion: 85 Resp: 12952

Ion	Ratio	Lower	Upper
85	100		
87	32.0	27.1	40.7

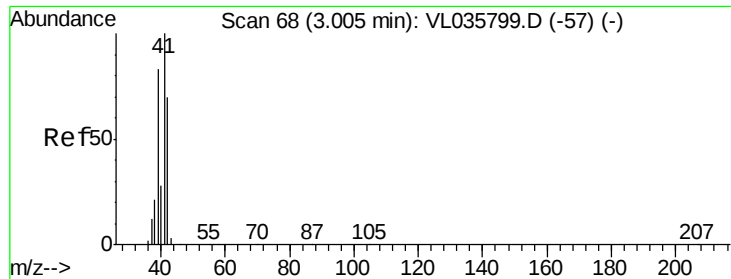


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->



#9

Propene

Concen: 0.123 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035811.D

Acq: 3 Nov 2020 20:01

Instrument :

MSVOA_L

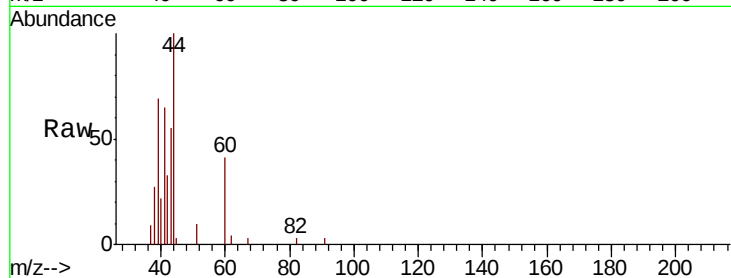
ClientSampleId :

Tot Ion: 41 Resp: 6838

Ion Ratio Lower Upper

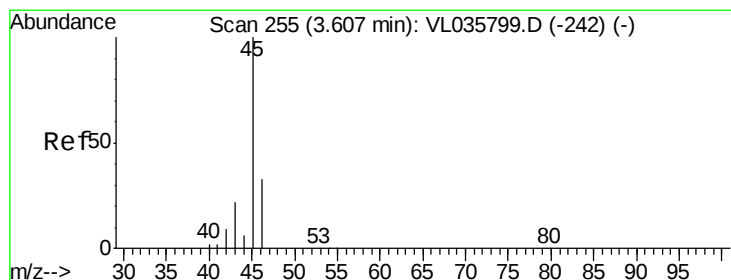
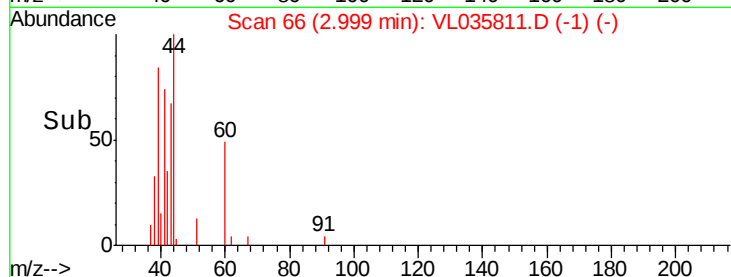
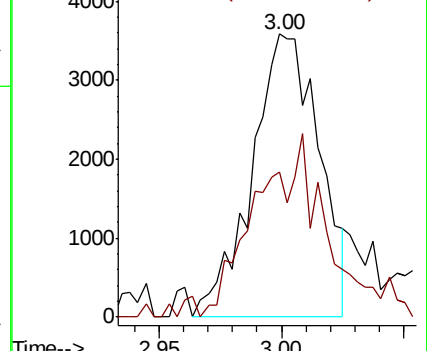
41 100

42 70.6 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#13

Ethanol

Concen: 0.324 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.01 min

Lab File: VL035811.D

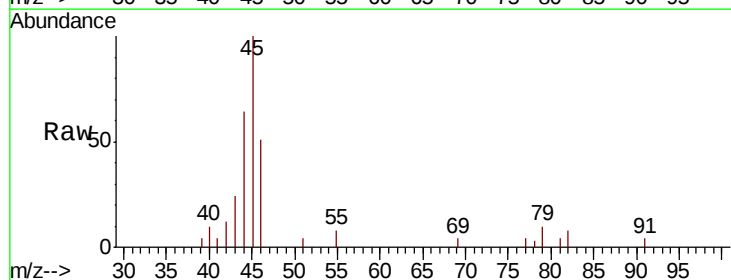
Acq: 3 Nov 2020 20:01

Tgt Ion: 45 Resp: 3896

Ion Ratio Lower Upper

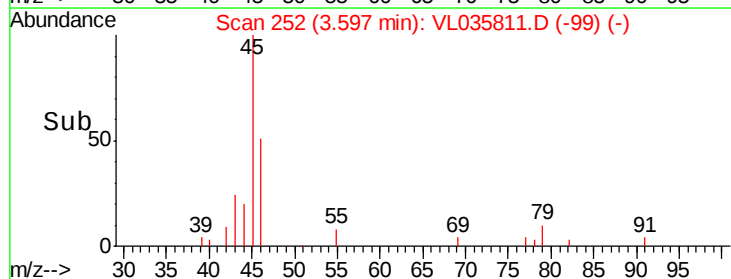
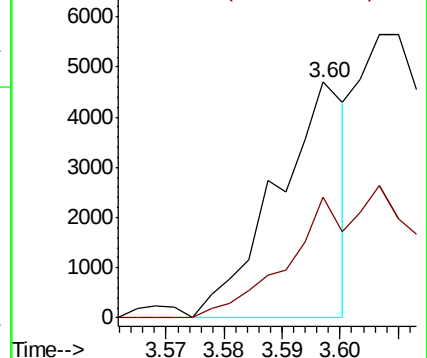
45 100

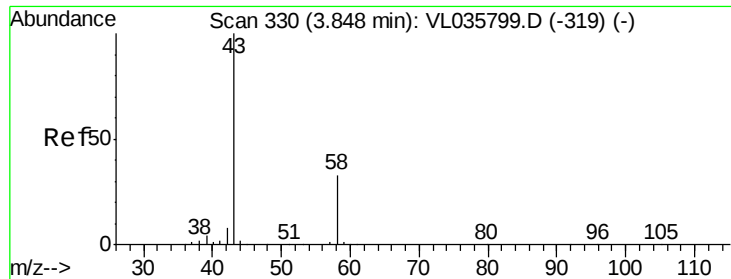
46 0.0 16.1 64.5#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.319 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.00 min

Lab File: VL035811.D

Acq: 3 Nov 2020 20:01

Instrument :

MSVOA_L

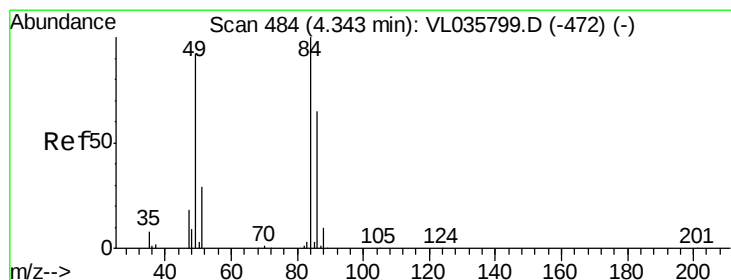
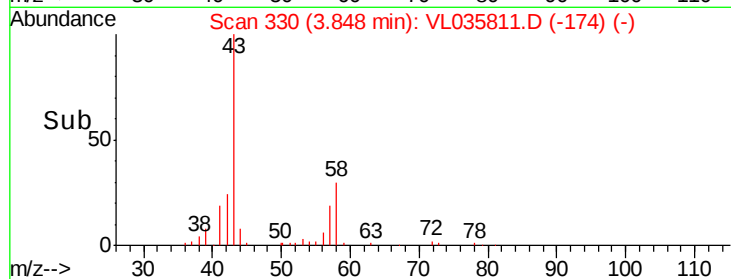
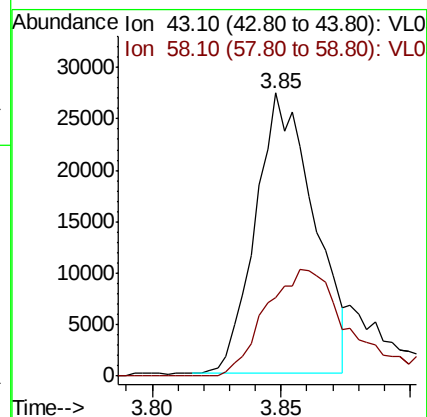
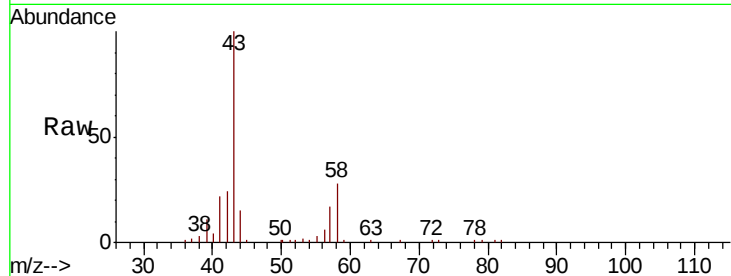
ClientSampleId :

Tot Ion: 43 Resp: 43115

Ion Ratio Lower Upper

43 100

58 58.4 27.5 41.3#



#20

Methylene Chloride

Concen: 0.342 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.02 min

Lab File: VL035811.D

Acq: 3 Nov 2020 20:01

Tgt Ion: 84 Resp: 32545

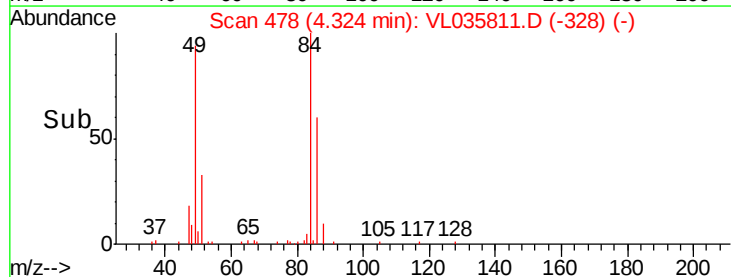
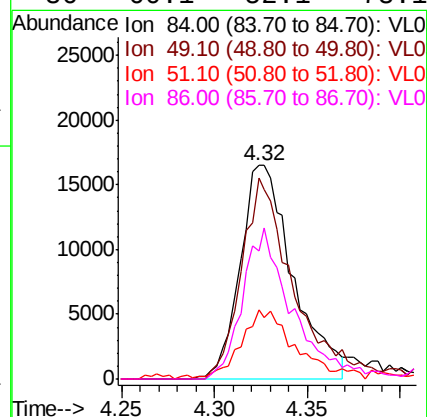
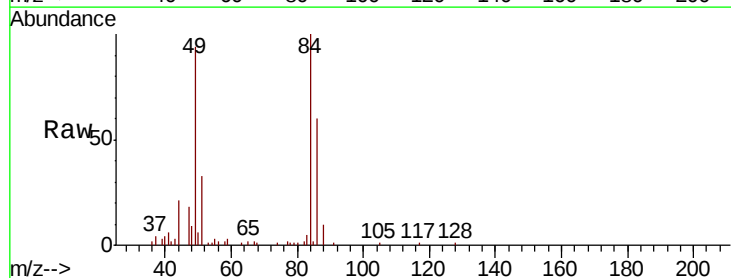
Ion Ratio Lower Upper

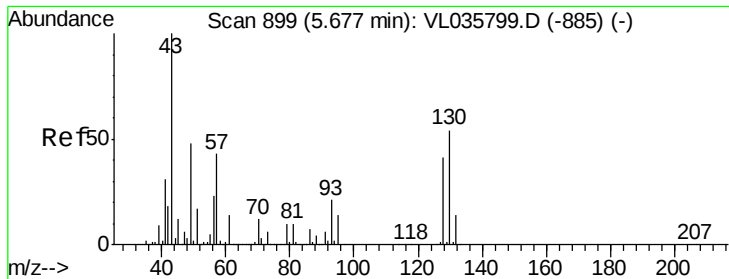
84 100

49 94.0 73.8 110.8

51 31.7 23.0 34.4

86 60.1 52.1 78.1





#25

Ethyl Acetate

Concen: 0.040 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL035811.D

Acq: 3 Nov 2020 20:01

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 10718

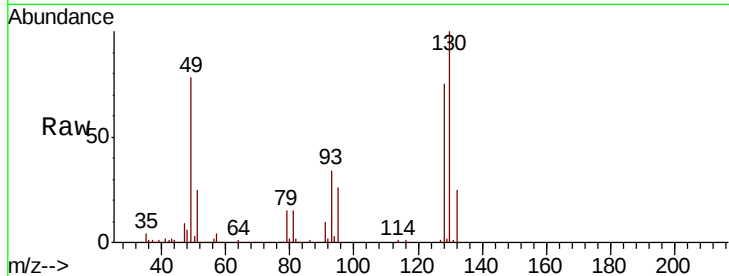
Ion Ratio Lower Upper

43 100

45 0.0 8.5 12.7#

61 0.6 10.7 16.1#

70 5.3 8.6 12.8#

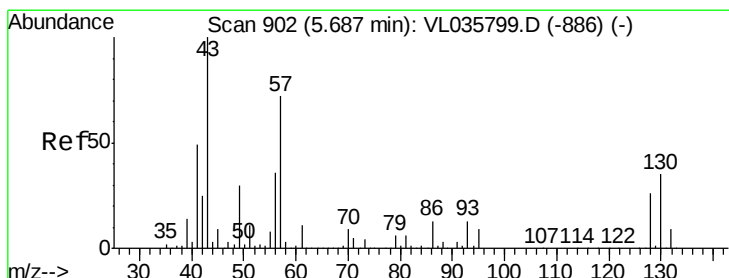
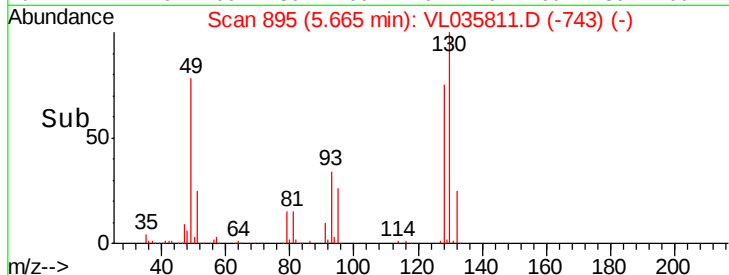
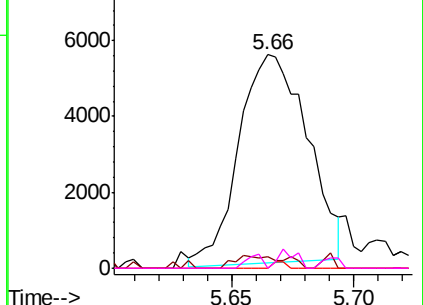


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.144 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.02 min

Lab File: VL035811.D

Acq: 3 Nov 2020 20:01

Tgt Ion: 57 Resp: 21108

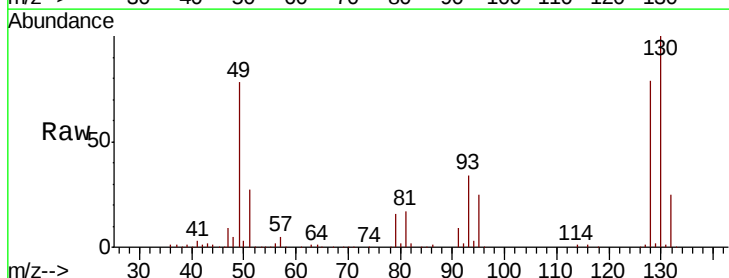
Ion Ratio Lower Upper

57 100

41 72.0 58.9 88.3

43 63.5 150.2 225.2#

56 53.1 42.4 63.6

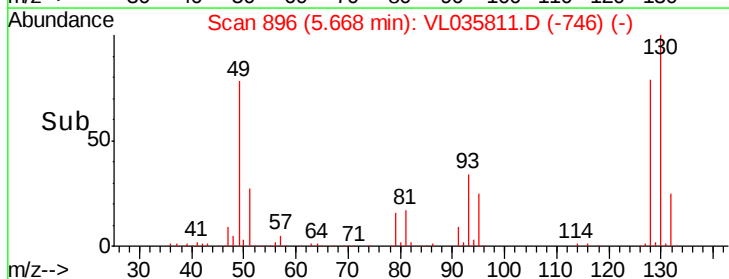
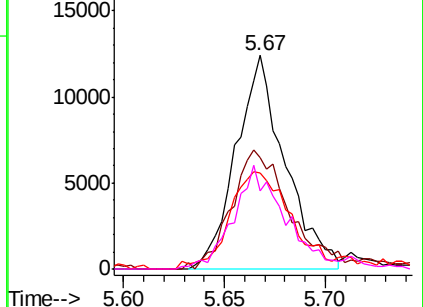


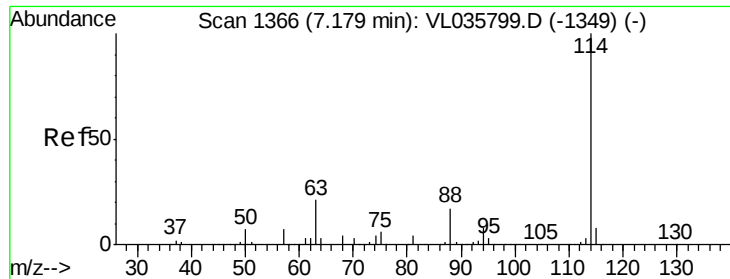
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

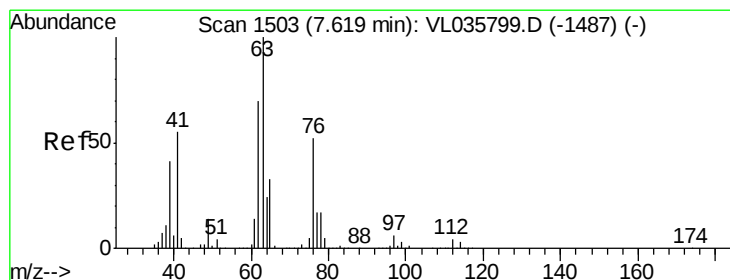
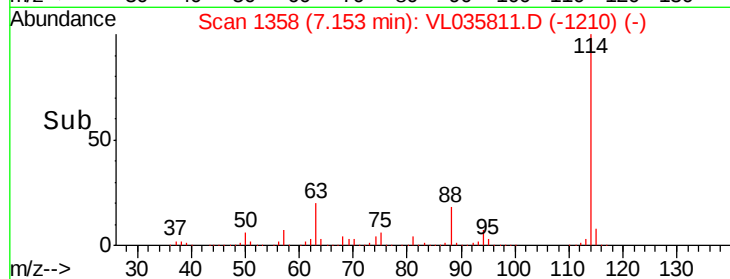
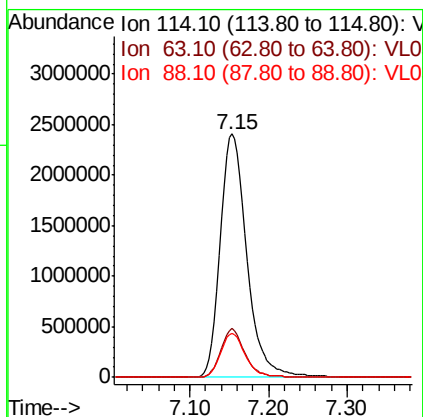
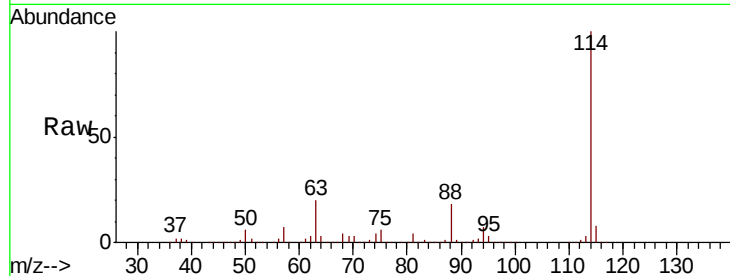




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.03 min
 Lab File: VL035811.D
 Acq: 3 Nov 2020 20:01

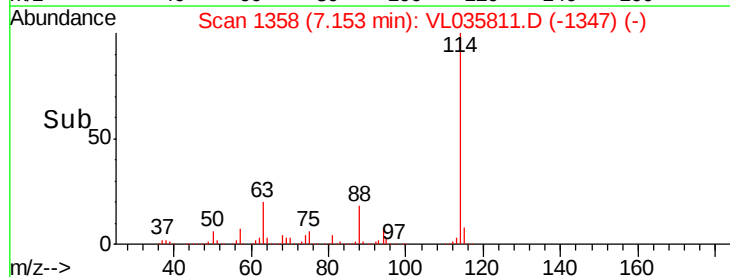
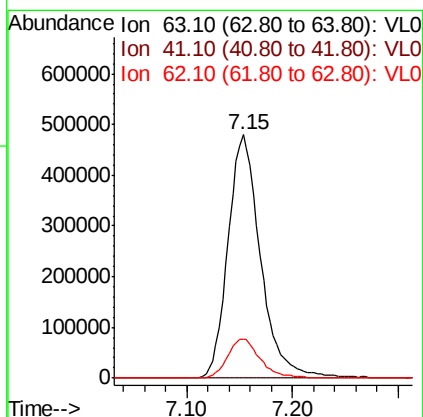
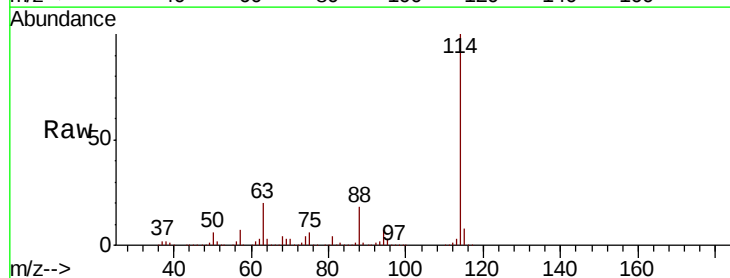
Instrument :
 MSVOA_L
 ClientSampleId :

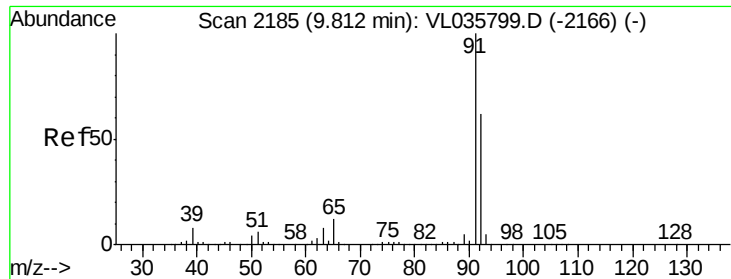
Tot Ion:114 Resp: 5619710
 Ion Ratio Lower Upper
 114 100
 63 18.3 16.1 24.1
 88 17.1 13.7 20.5



#39
 1,2-Dichloropropane
 Concen: 7.253 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.47 min
 Lab File: VL035811.D
 Acq: 3 Nov 2020 20:01

Tgt Ion: 63 Resp: 1020167
 Ion Ratio Lower Upper
 63 100
 41 0.0 43.8 65.6#
 62 15.9 56.2 84.2#





#53

Toluene

Concen: 0.081 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. -0.02 min

Lab File: VL035811.D

Acq: 3 Nov 2020 20:01

Instrument :

MSVOA_L

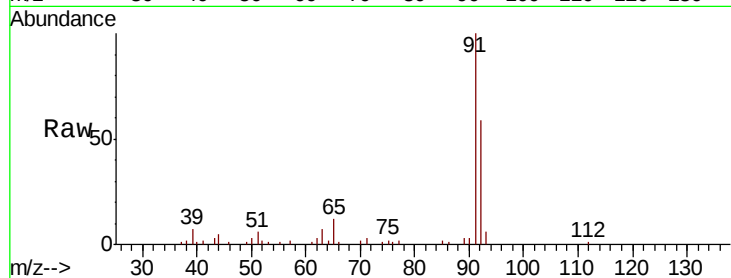
ClientSampleId :

Tot Ion: 91 Resp: 41037

Ion Ratio Lower Upper

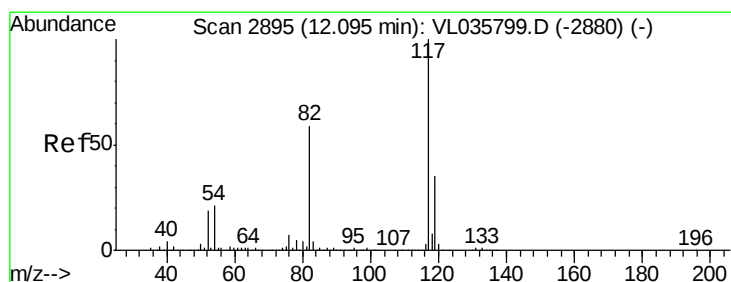
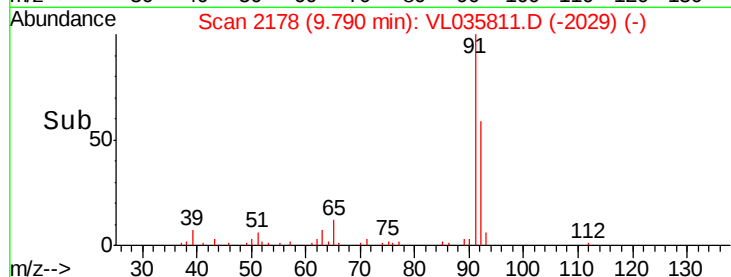
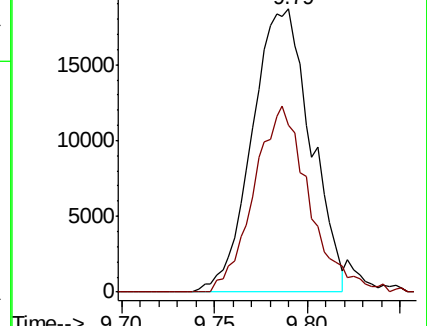
91 100

92 62.2 49.8 74.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. -0.03 min

Lab File: VL035811.D

Acq: 3 Nov 2020 20:01

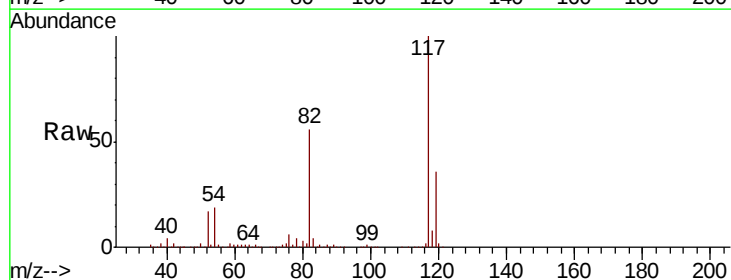
Tgt Ion: 117 Resp: 5166993

Ion Ratio Lower Upper

117 100

82 55.7 50.6 76.0

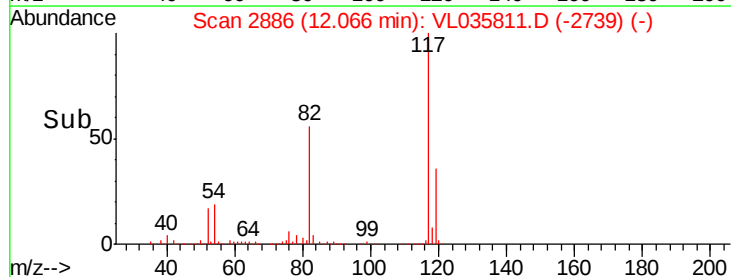
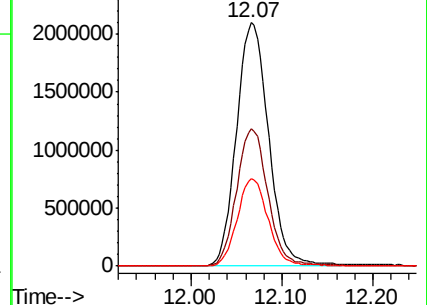
119 35.1 52.6 78.8#

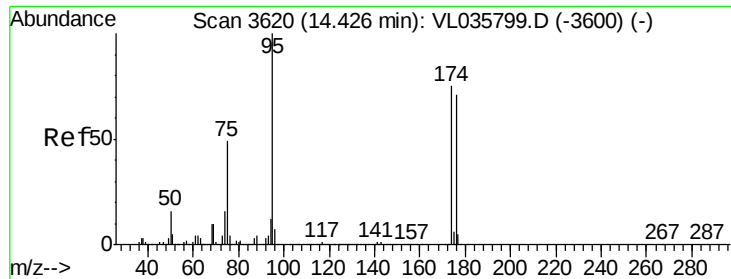


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.804 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. -0.03 min

Lab File: VL035811.D

Acq: 3 Nov 2020 20:01

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 3599242

Ion Ratio Lower Upper

95 100

174 77.1 59.8 89.6

175 5.4 4.3 6.5

