

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120720\
 Data File : VL036080.D
 Acq On : 8 Dec 2020 1:06
 Operator : SY/AP
 Sample : L4948-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1BDL

Quant Time: Dec 08 08:40:48 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

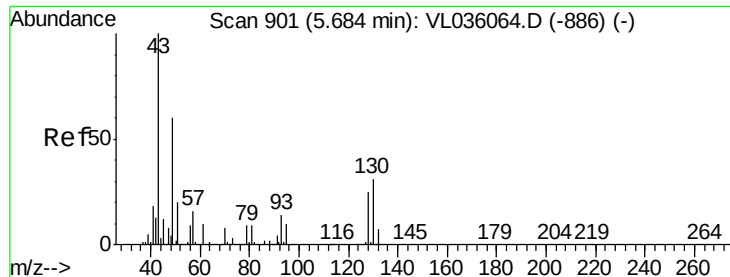
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1310893	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2827931	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2549566	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2059428	10.17	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	9676	0.063	ppbv #	84
3) Chlorodifluoromethane	2.99	51	7871	0.053	ppbv	96
4) Chloromethane	3.15	50	3237	0.044	ppbv #	81
9) Propene	3.03	41	8878	0.118	ppbv #	71
13) Ethanol	3.61	45	239517	23.189	ppbv	95
15) Acetone	3.86	43	72798	0.462	ppbv #	64
19) Isopropyl Alcohol	3.98	45	10593	0.110	ppbv #	100
20) Methylene Chloride	4.35	84	204693	3.171	ppbv	95
25) Ethyl Acetate	5.70	43	43044	0.137	ppbv #	79
26) Hexane	5.70	57	85125	0.601	ppbv #	41
39) 1,2-Dichloropropane	7.19	63	822865	8.694	ppbv #	24

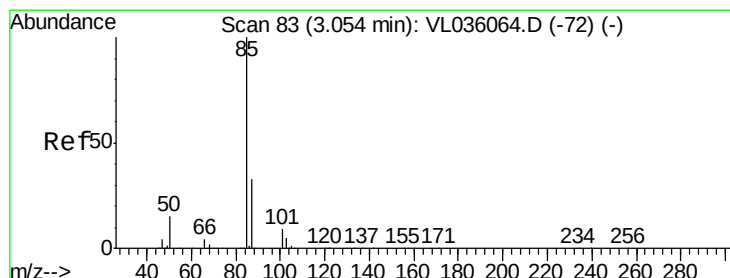
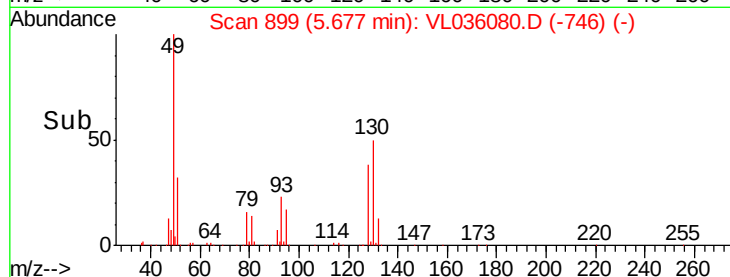
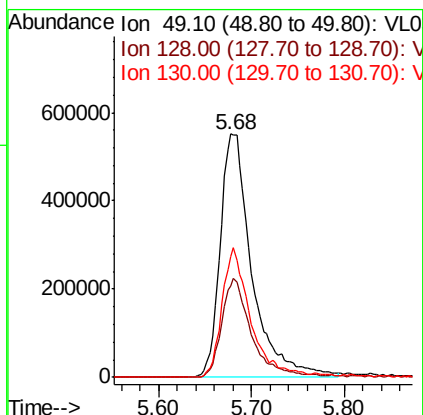
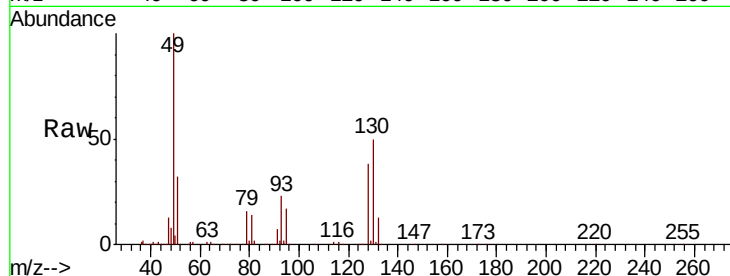
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68 min Scan# 899
 Delta R.T. -0.01 min
 Lab File: VL036080.D
 Acq: 8 Dec 2020 1:06

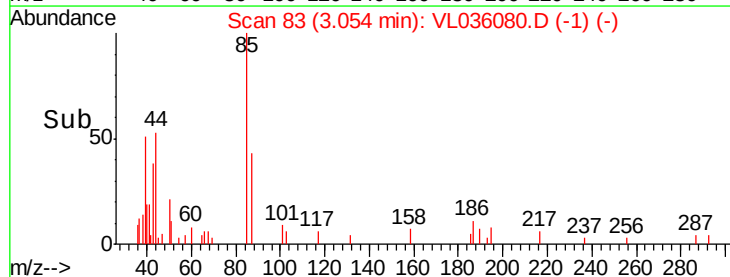
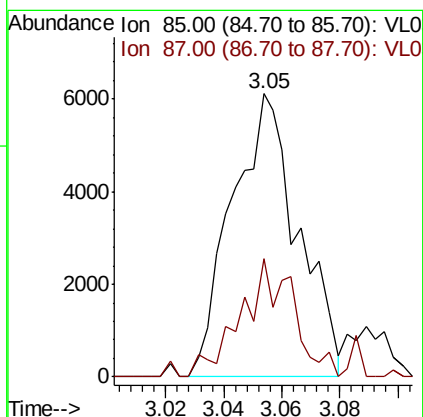
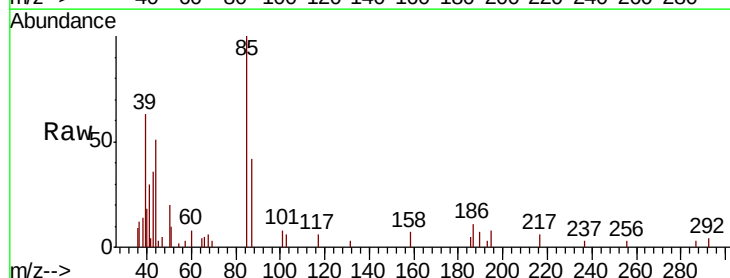
Instrument :
 MSVOA_L
 ClientSampleID :
 IA-1BDL

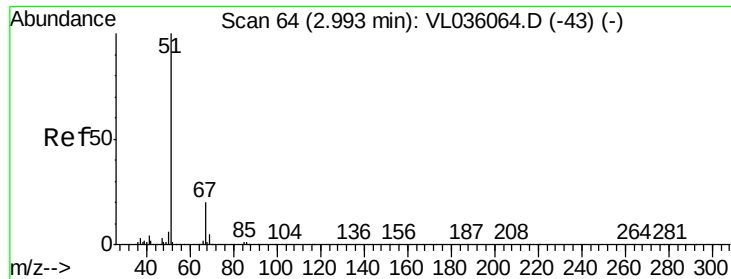
Tot Ion: 49 Resp: 1310893
 Ion Ratio Lower Upper
 49 100
 128 38.9 21.1 63.1
 130 48.6 27.1 81.3



#2
 Dichlorodifluoromethane
 Concen: 0.063 ppbv
 RT: 3.05 min Scan# 83
 Delta R.T. -0.00 min
 Lab File: VL036080.D
 Acq: 8 Dec 2020 1:06

Tgt Ion: 85 Resp: 9676
 Ion Ratio Lower Upper
 85 100
 87 41.9 26.5 39.7#





#3

Chlorodifluoromethane

Concen: 0.053 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL036080.D

Acq: 8 Dec 2020 1:06

Instrument :

MSVOA_L

ClientSampleId :

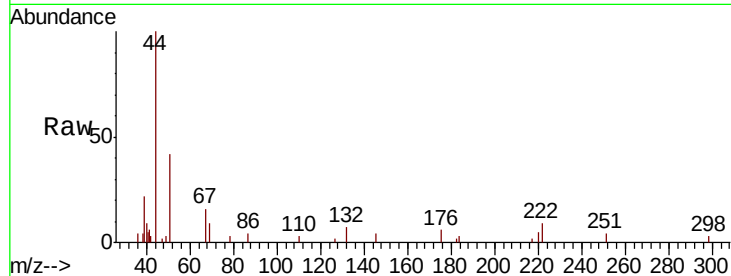
IA-1BDL

Tot Ion: 51 Resp: 7871

Ion Ratio Lower Upper

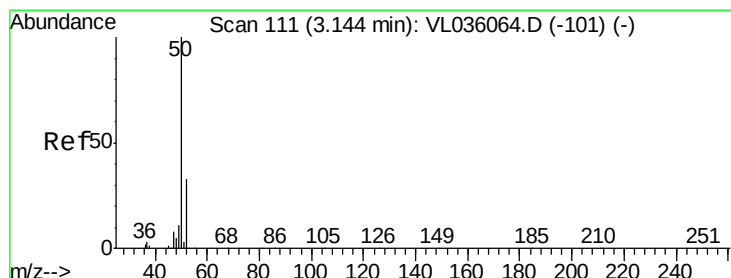
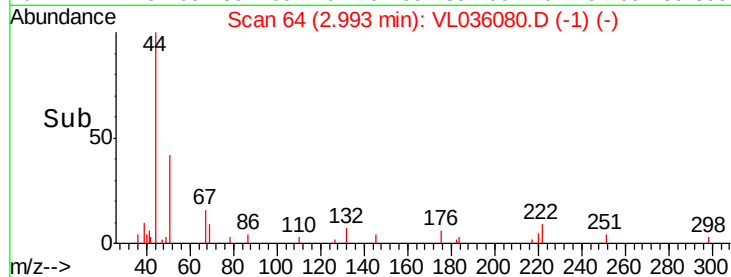
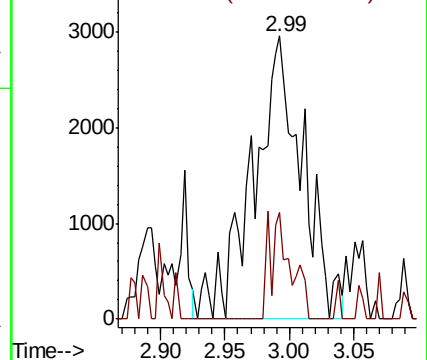
51 100

67 16.0 14.3 21.5



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.044 ppbv

RT: 3.15 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL036080.D

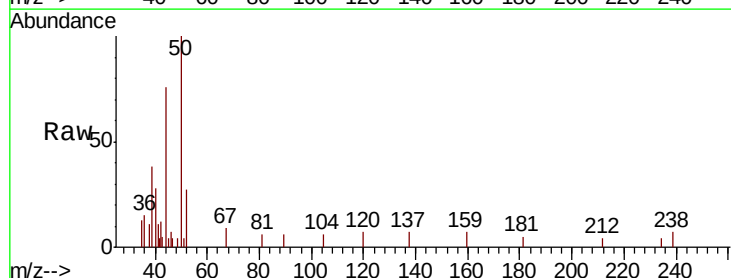
Acq: 8 Dec 2020 1:06

Tgt Ion: 50 Resp: 3237

Ion Ratio Lower Upper

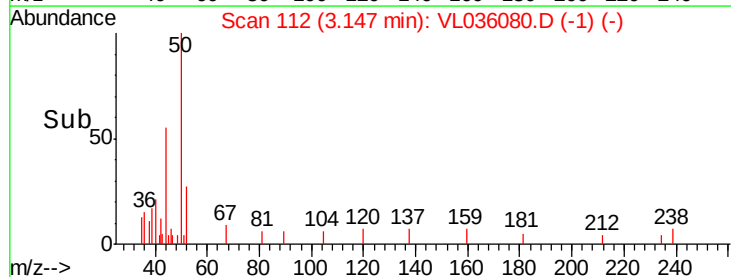
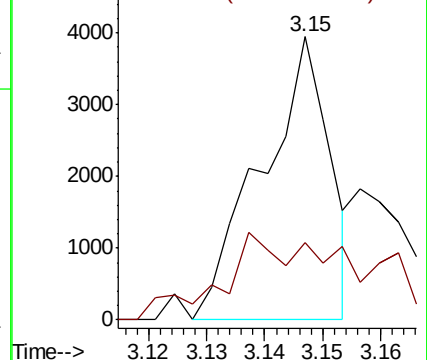
50 100

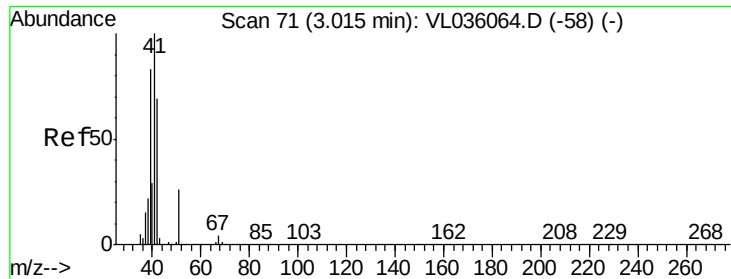
52 21.9 26.1 39.1#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.118 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.01 min

Lab File: VL036080.D

Acq: 8 Dec 2020 1:06

Instrument :

MSVOA_L

ClientSampleId :

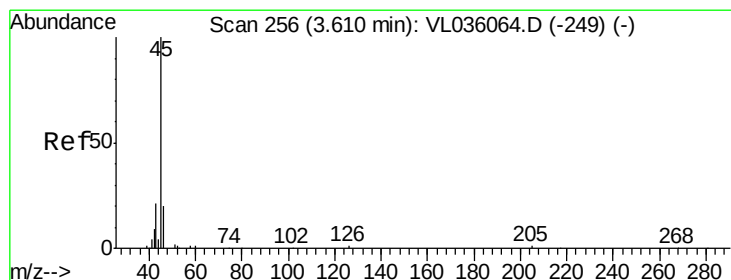
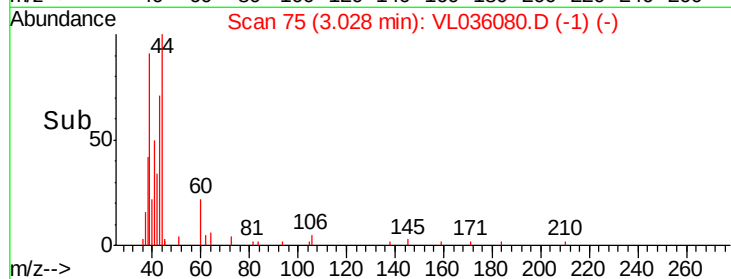
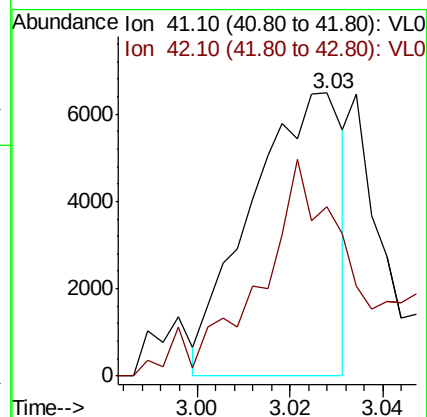
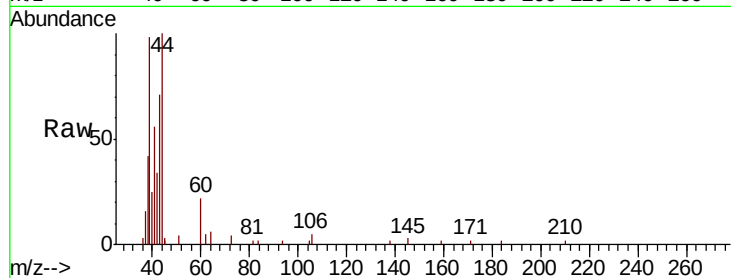
IA-1BDL

Tot Ion: 41 Resp: 8878

Ion Ratio Lower Upper

41 100

42 95.6 57.0 85.6#



#13

Ethanol

Concen: 23.189 ppbv

RT: 3.61 min Scan# 256

Delta R.T. -0.00 min

Lab File: VL036080.D

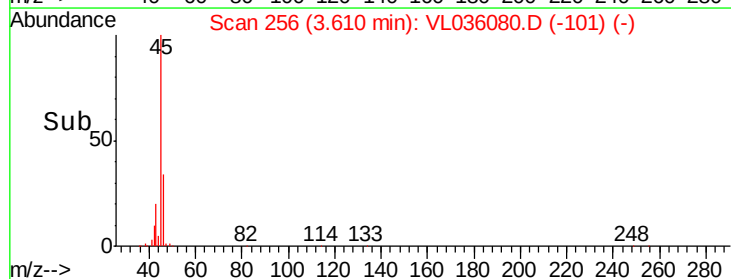
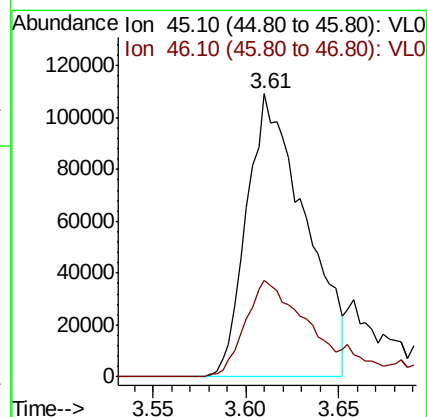
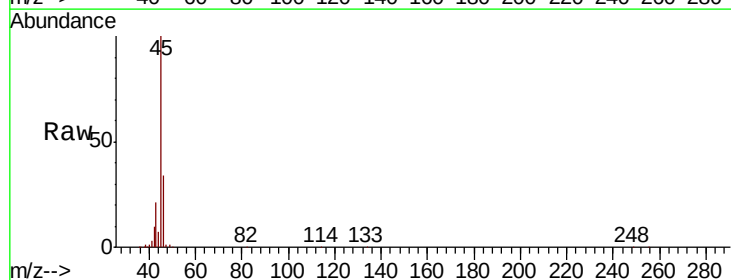
Acq: 8 Dec 2020 1:06

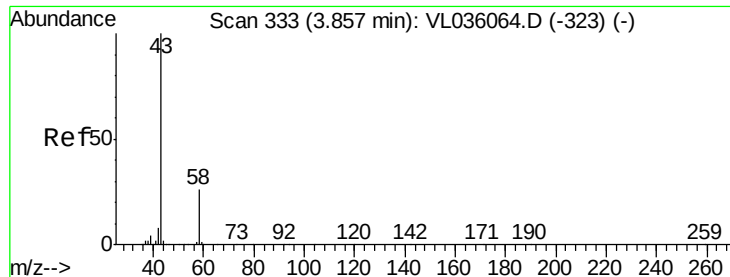
Tgt Ion: 45 Resp: 239517

Ion Ratio Lower Upper

45 100

46 44.0 19.0 75.8





#15

Acetone

Concen: 0.462 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.01 min

Lab File: VL036080.D

Acq: 8 Dec 2020 1:06

Instrument :

MSVOA_L

ClientSampleId :

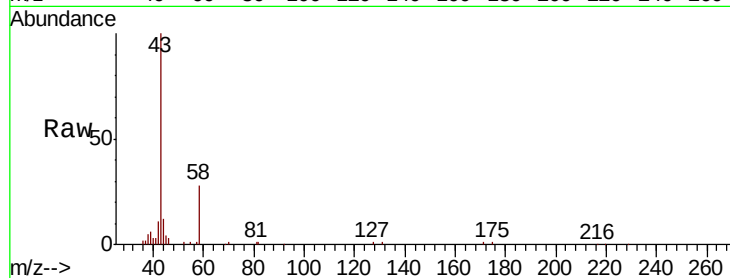
IA-1BDL

Tot Ion: 43 Resp: 72798

Ion Ratio Lower Upper

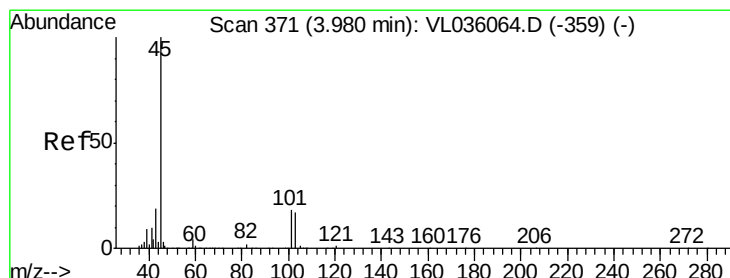
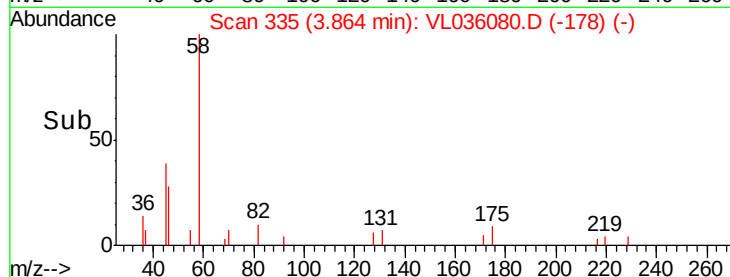
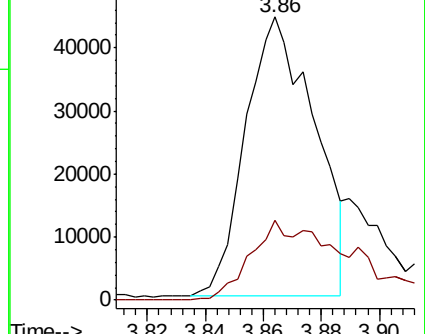
43 100

58 44.2 20.9 31.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 0.110 ppbv

RT: 3.98 min Scan# 371

Delta R.T. -0.00 min

Lab File: VL036080.D

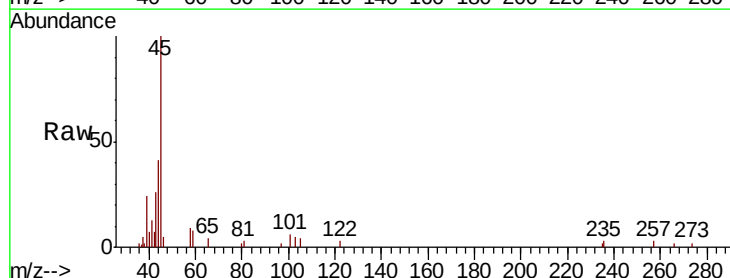
Acq: 8 Dec 2020 1:06

Tgt Ion: 45 Resp: 10593

Ion Ratio Lower Upper

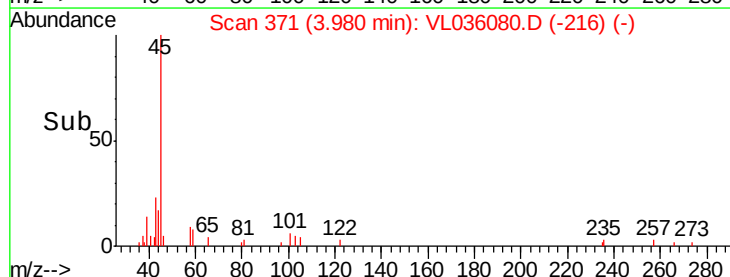
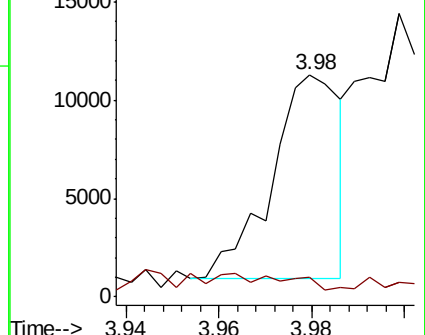
45 100

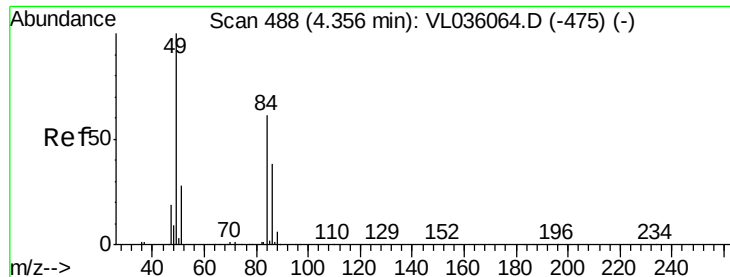
58 27.9 0.0 0.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

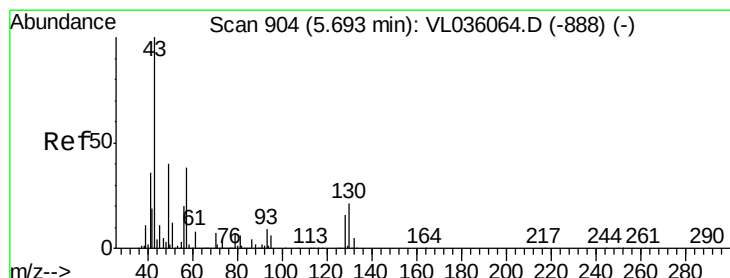
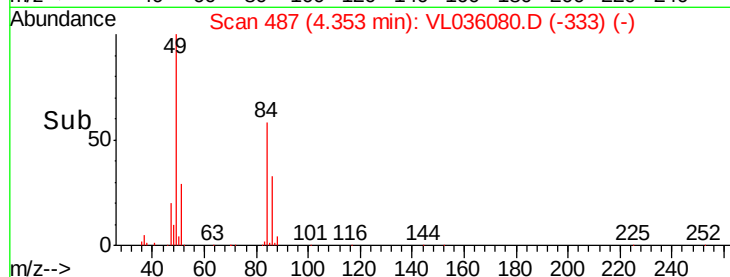
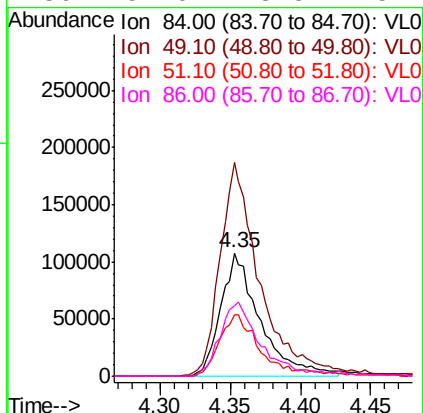
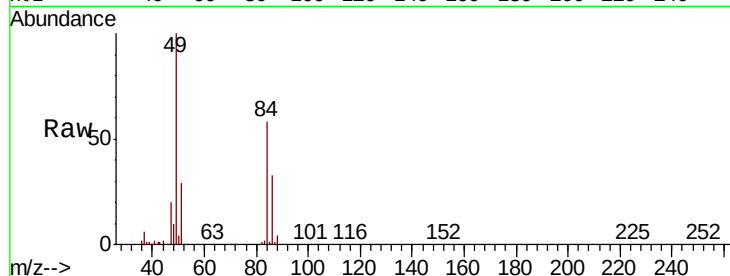




#20
Methylene Chloride
Concen: 3.171 ppbv
RT: 4.35 min Scan# 487
Delta R.T. -0.00 min
Lab File: VL036080.D
Acq: 8 Dec 2020 1:06

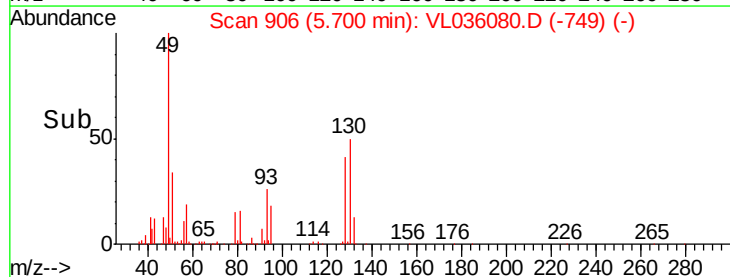
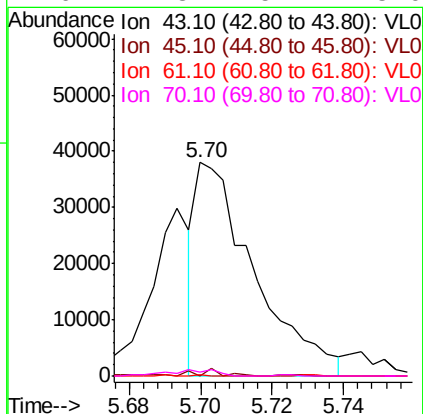
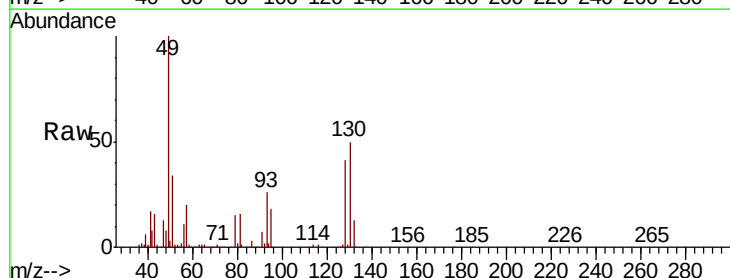
Instrument :
MSVOA_L
ClientSampled :
IA-1BDL

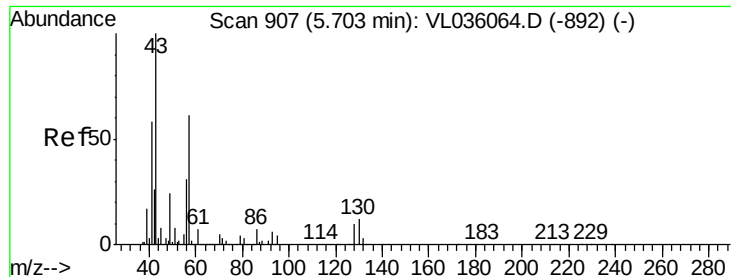
Tot Ion:	84	Resp:	204693
Ion	Ratio	Lower	Upper
84	100		
49	173.0	133.0	199.4
51	50.2	38.9	58.3
86	57.0	48.8	73.2



#25
Ethyl Acetate
Concen: 0.137 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.01 min
Lab File: VL036080.D
Acq: 8 Dec 2020 1:06

Tgt Ion:	43	Resp:	43044
Ion	Ratio	Lower	Upper
43	100		
45	1.7	8.2	12.4#
61	0.2	7.4	11.2#
70	2.3	5.4	8.0#

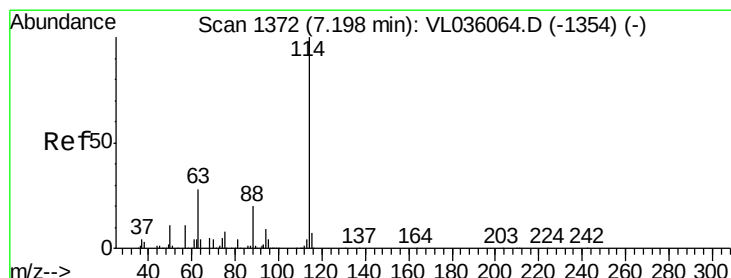
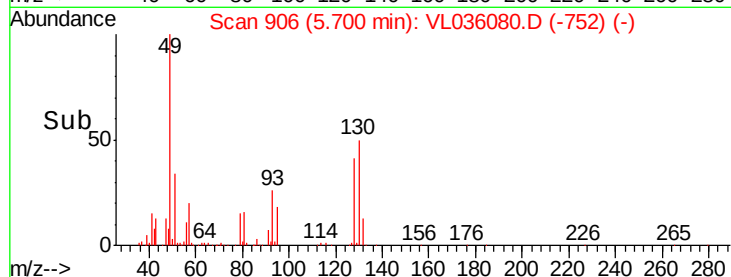
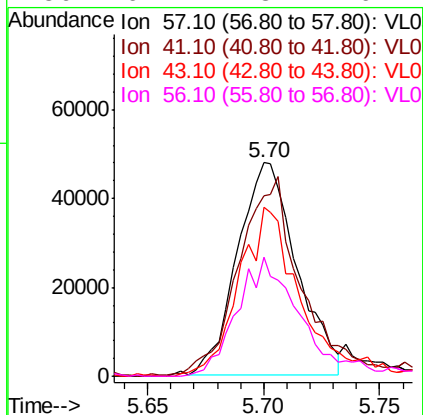
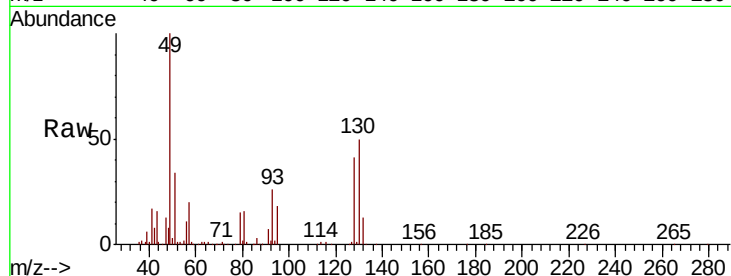




#26
Hexane
Concen: 0.601 ppbv
RT: 5.70 min Scan# 906
Delta R.T. -0.00 min
Lab File: VL036080.D
Acq: 8 Dec 2020 1:06

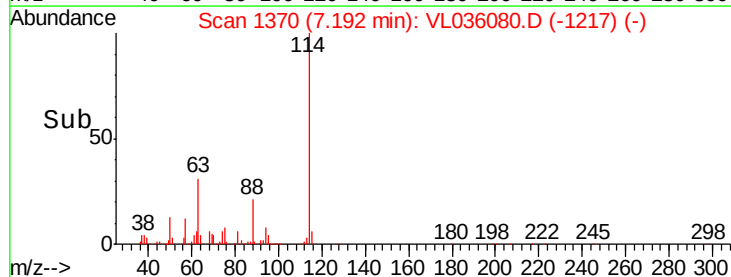
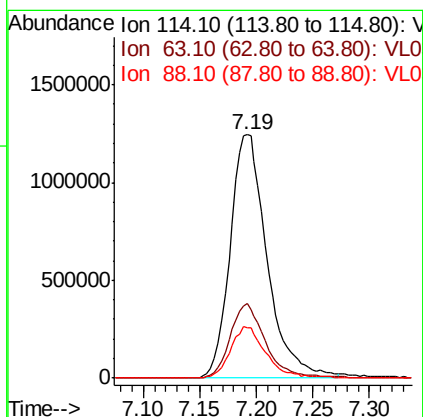
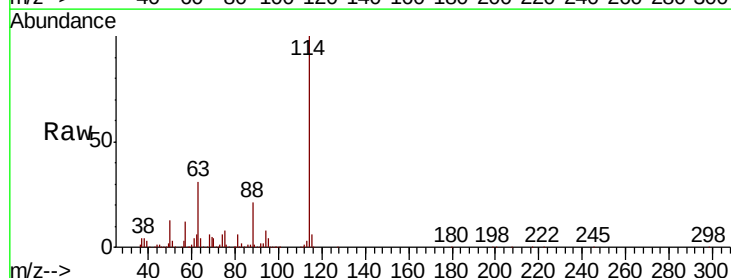
Instrument :
MSVOA_L
ClientSampleId :
IA-1BDL

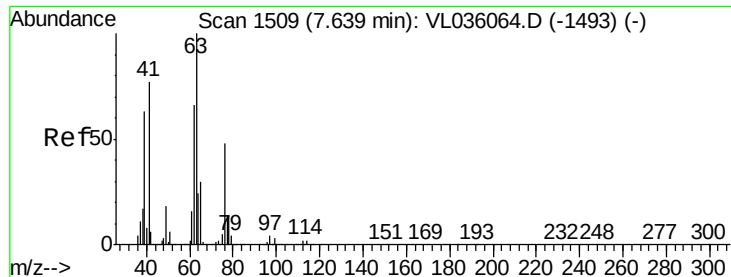
Tot Ion: 57 Resp: 85125
Ion Ratio Lower Upper
57 100
41 104.8 82.9 124.3
43 85.8 199.9 299.9#
56 61.4 43.1 64.7



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1370
Delta R.T. -0.01 min
Lab File: VL036080.D
Acq: 8 Dec 2020 1:06

Tgt Ion: 114 Resp: 2827931
Ion Ratio Lower Upper
114 100
63 29.8 23.6 35.4
88 20.4 15.8 23.6





#39

1,2-Dichloropropane

Concen: 8.694 ppbv

RT: 7.19 min Scan# 1370

Delta R.T. -0.45 min

Lab File: VL036080.D

Acq: 8 Dec 2020 1:06

Instrument :

MSVOA_L

ClientSampleId :

IA-1BDL

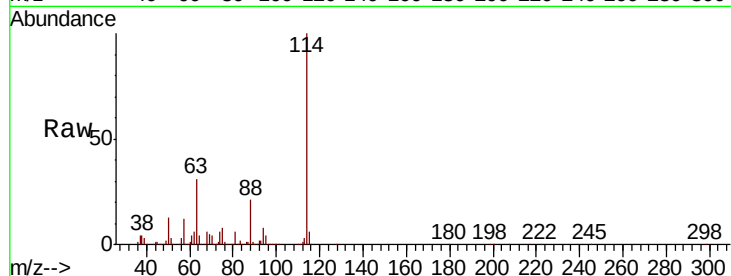
Tot Ion: 63 Resp: 822865

Ion Ratio Lower Upper

63 100

41 0.0 61.9 92.9#

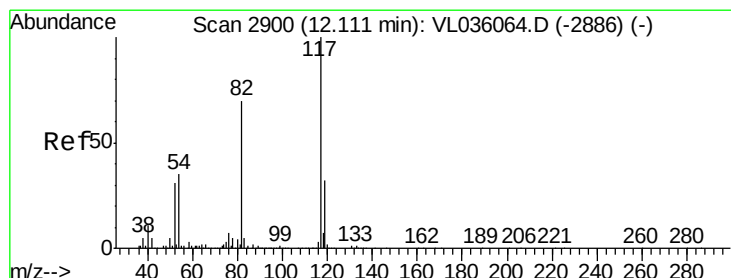
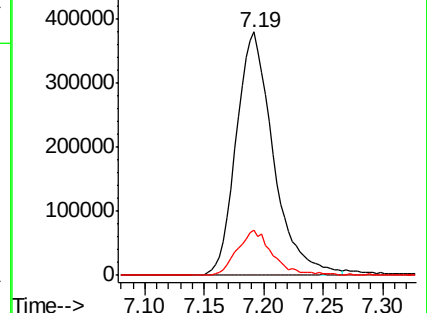
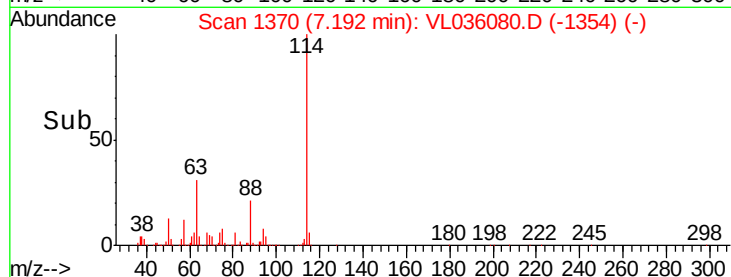
62 18.4 52.5 78.7#



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: VL036080.D

Acq: 8 Dec 2020 1:06

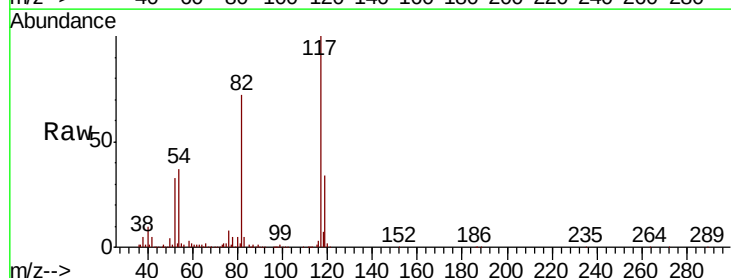
Tgt Ion: 117 Resp: 2549566

Ion Ratio Lower Upper

117 100

82 73.8 0.0 0.0#

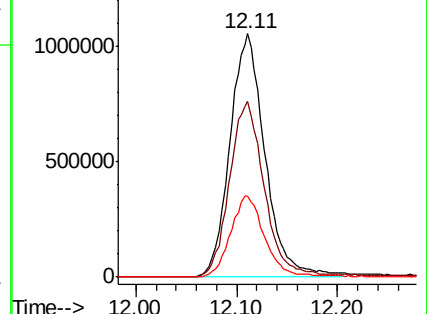
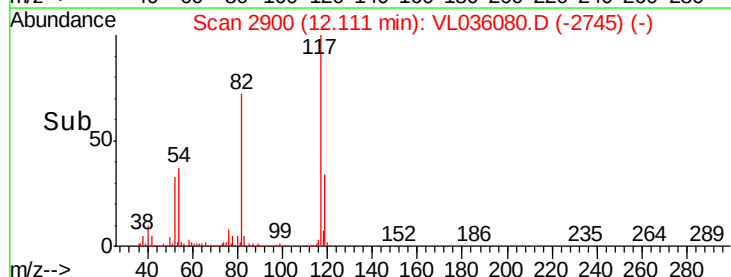
119 32.8 0.0 0.0#

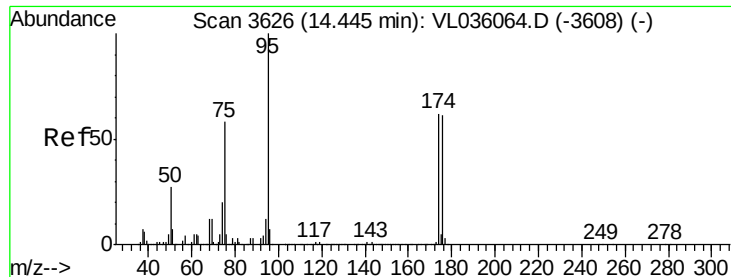


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.173 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. -0.00 min

Lab File: VL036080.D

Acq: 8 Dec 2020 1:06

Instrument :

MSVOA_L

ClientSampleId :

IA-1BDL

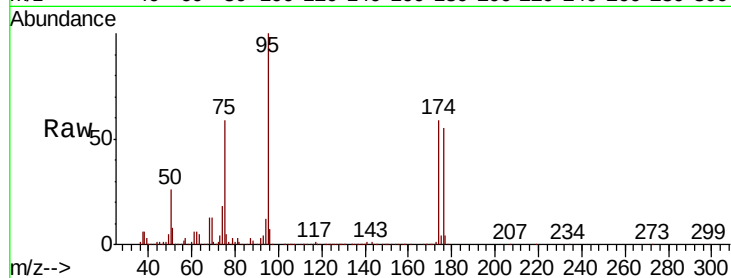
Tot Ion: 95 Resp: 2059428

Ion Ratio Lower Upper

95 100

174 61.3 50.7 76.1

175 4.7 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

