

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036236.D
 Acq On : 13 Jan 2021 22:21
 Operator : SY/AP
 Sample : M1070-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Quant Time: Jan 13 23:22:05 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jan 13 07:53:51 2021
 QLast Update : Wed Jan 13 07:53:51 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1589665	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3313698	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3004039	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1267611	5.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	51.00%#

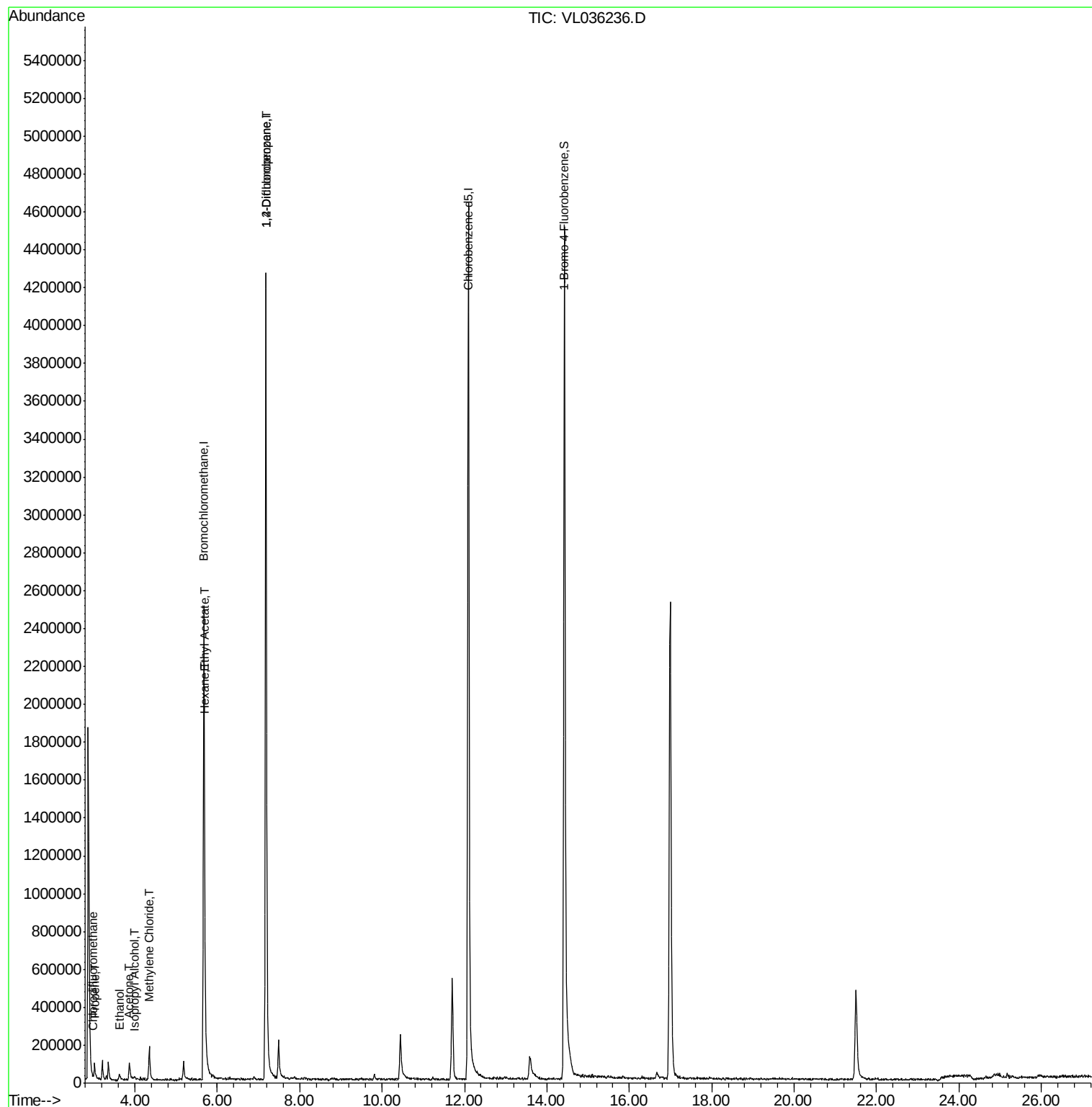
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	13034	0.066	ppbv	99
9) Propene	3.02	41	16675	0.177	ppbv	87
13) Ethanol	3.61	45	13832	0.701	ppbv #	29
15) Acetone	3.86	43	96394	0.511	ppbv #	50
19) Isopropyl Alcohol	3.98	45	4090	0.037	ppbv #	93
20) Methylene Chloride	4.35	84	52555	0.909	ppbv #	90
25) Ethyl Acetate	5.69	43	44621	0.116	ppbv #	82
26) Hexane	5.69	57	48357	0.301	ppbv #	37
39) 1,2-Dichloropropane	7.18	63	1002436	8.132	ppbv #	22

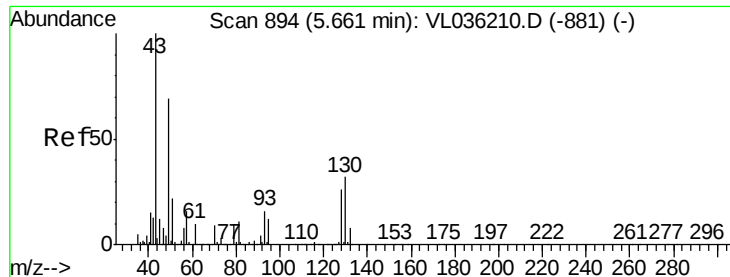
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL011321\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
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QLast Update : Wed Jan 13 07:53:51 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.01 min

Lab File: VL036236.D

Acq: 13 Jan 2021 22:21

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

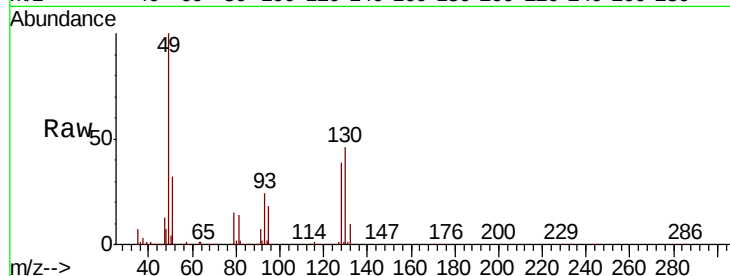
Tot Ion: 49 Resp: 1589665

Ion Ratio Lower Upper

49 100

128 40.2 20.1 60.2

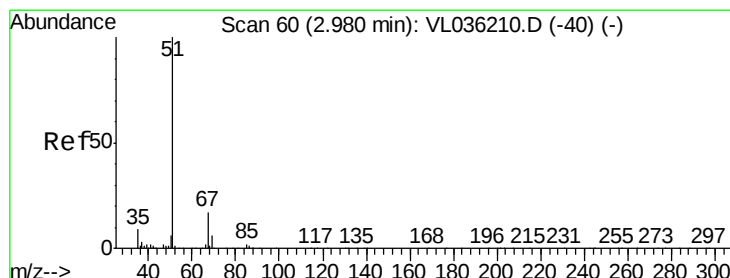
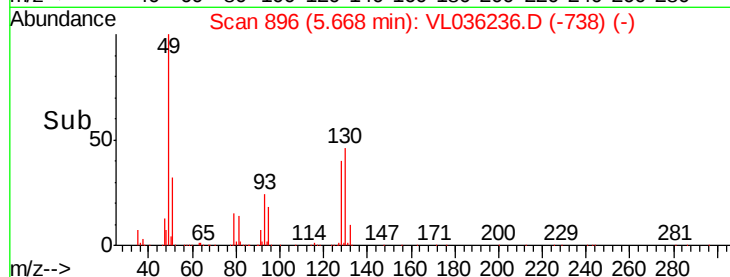
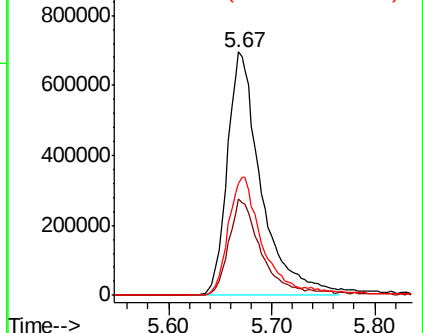
130 51.0 25.3 75.9



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



#3

Chlorodifluoromethane

Concen: 0.066 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.01 min

Lab File: VL036236.D

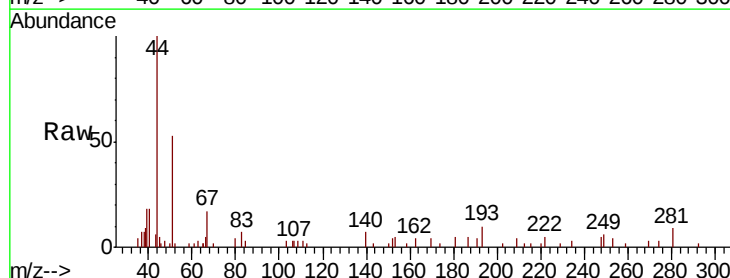
Acq: 13 Jan 2021 22:21

Tgt Ion: 51 Resp: 13034

Ion Ratio Lower Upper

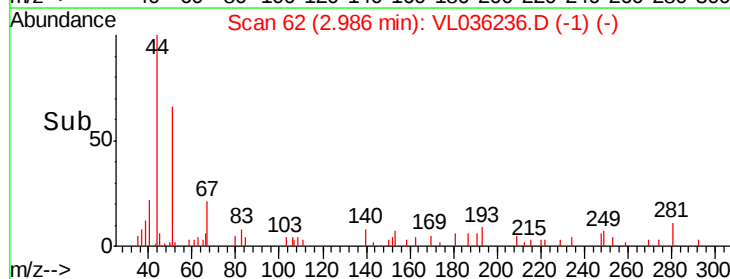
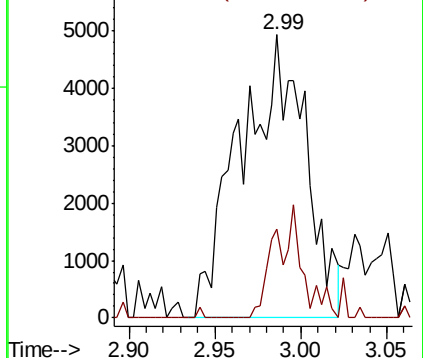
51 100

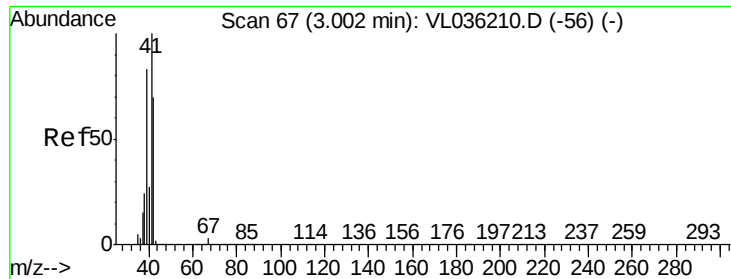
67 18.1 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.177 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL036236.D

Acq: 13 Jan 2021 22:21

Instrument :

MSVOA_L

ClientSampleId :

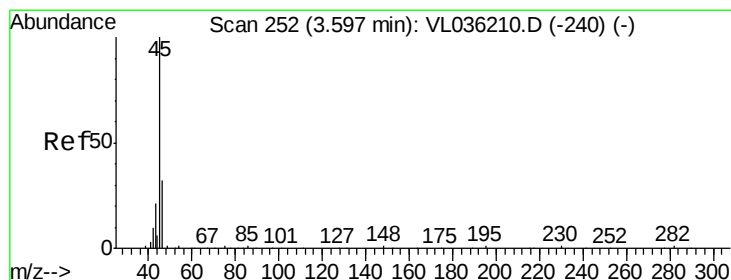
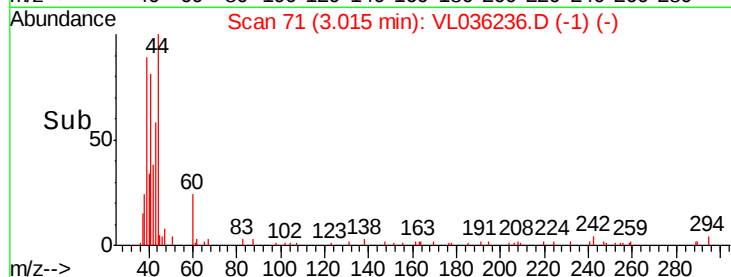
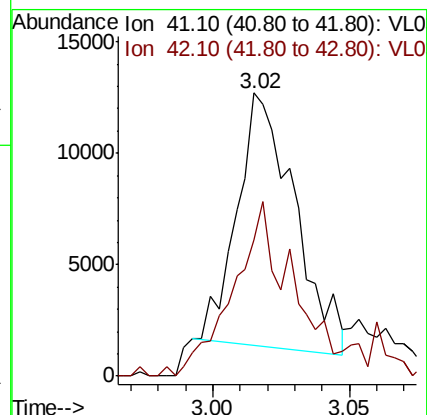
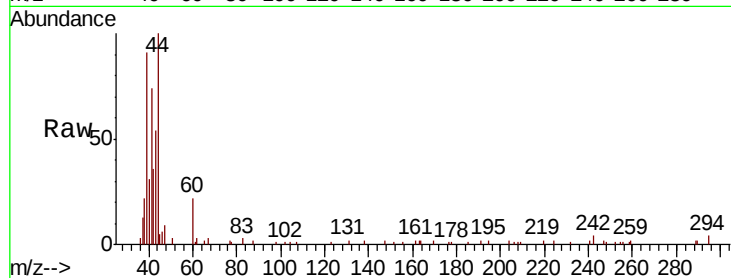
IA1DL

Tot Ion: 41 Resp: 16675

Ion Ratio Lower Upper

41 100

42 81.9 57.1 85.7



#13

Ethanol

Concen: 0.701 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.02 min

Lab File: VL036236.D

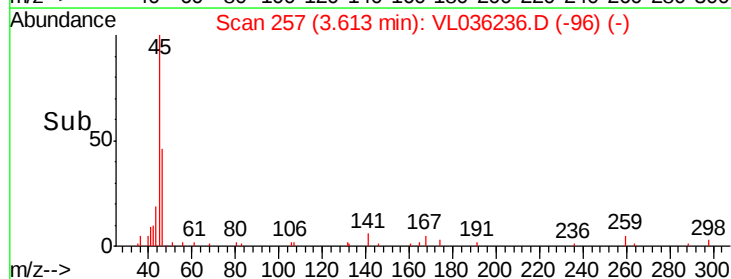
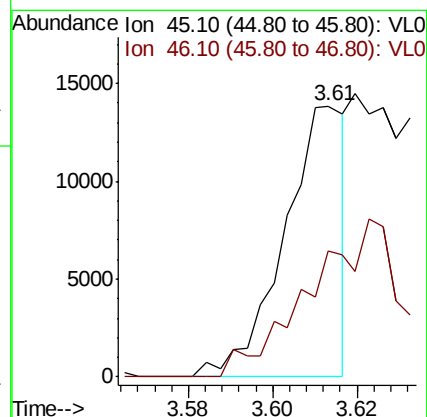
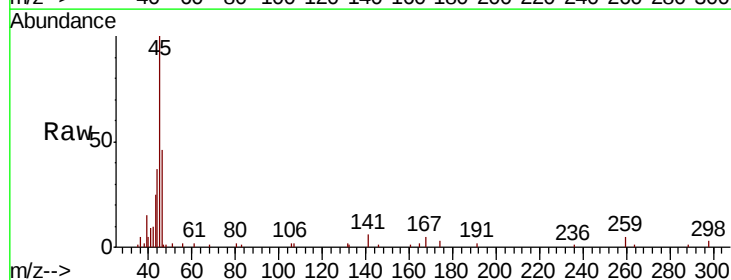
Acq: 13 Jan 2021 22:21

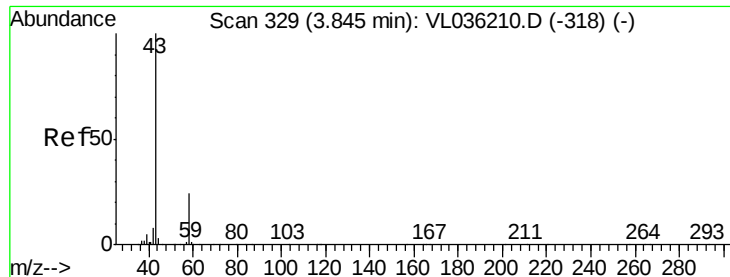
Tgt Ion: 45 Resp: 13832

Ion Ratio Lower Upper

45 100

46 0.0 19.2 77.0#





#15

Acetone

Concen: 0.511 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.02 min

Lab File: VL036236.D

Acq: 13 Jan 2021 22:21

Instrument :

MSVOA_L

ClientSampleId :

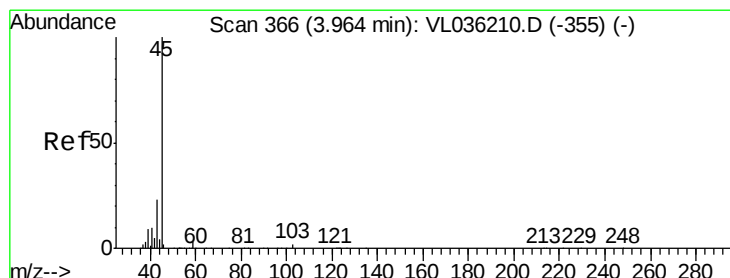
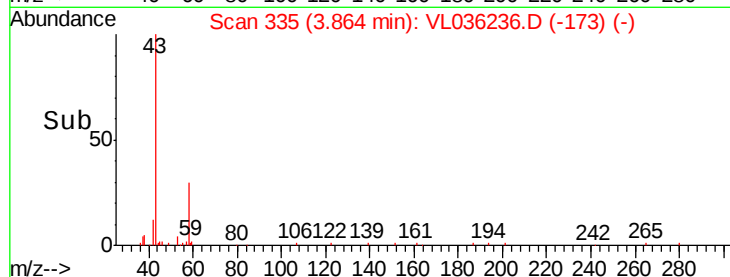
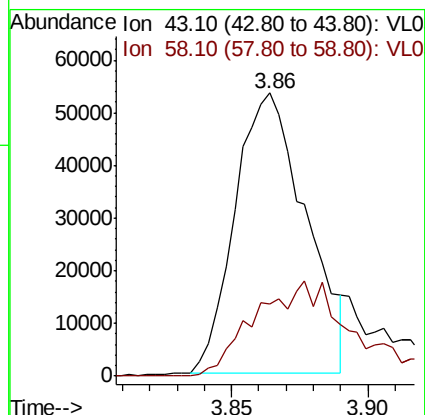
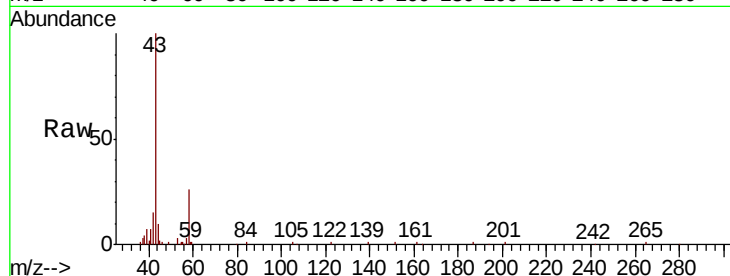
IA1DL

Tot Ion: 43 Resp: 96394

Ion Ratio Lower Upper

43 100

58 51.7 20.9 31.3#



#19

Isopropyl Alcohol

Concen: 0.037 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.02 min

Lab File: VL036236.D

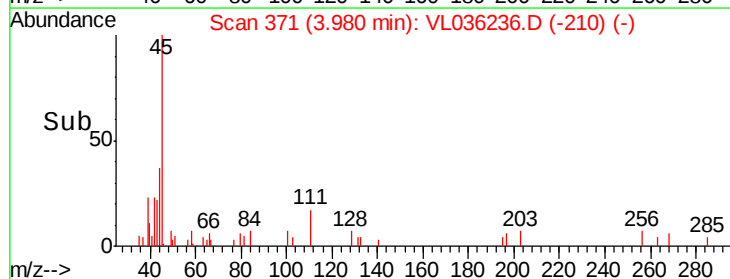
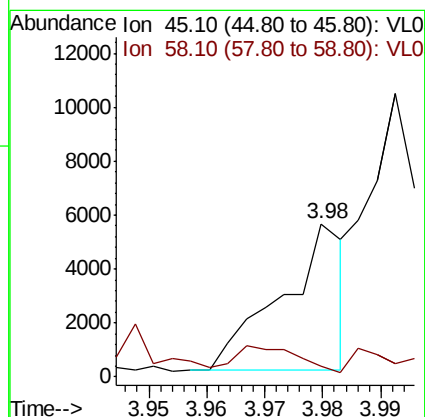
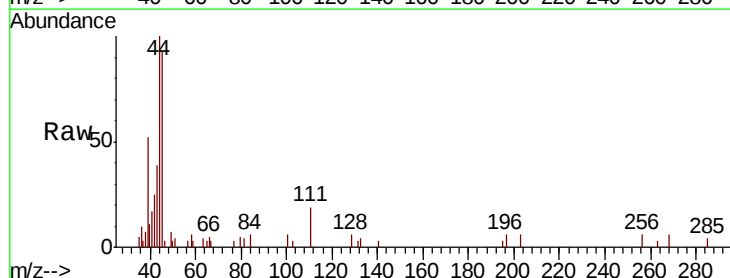
Acq: 13 Jan 2021 22:21

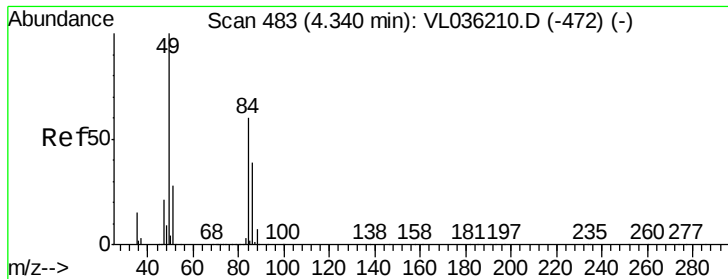
Tgt Ion: 45 Resp: 4090

Ion Ratio Lower Upper

45 100

58 0.0 1.9 2.9#

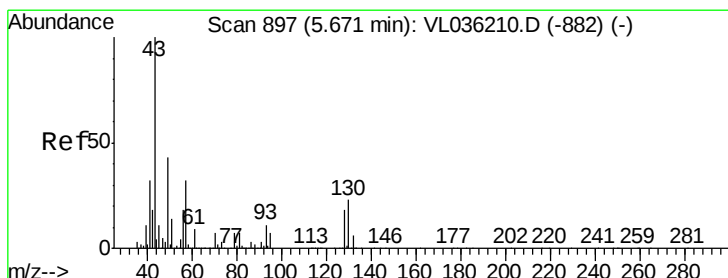
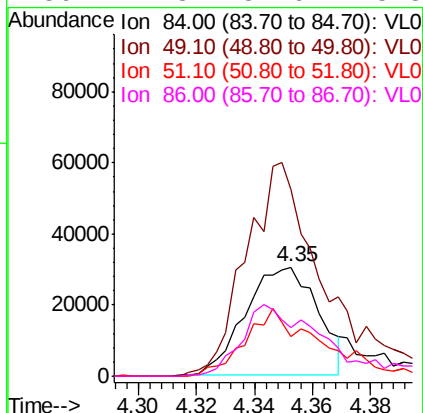
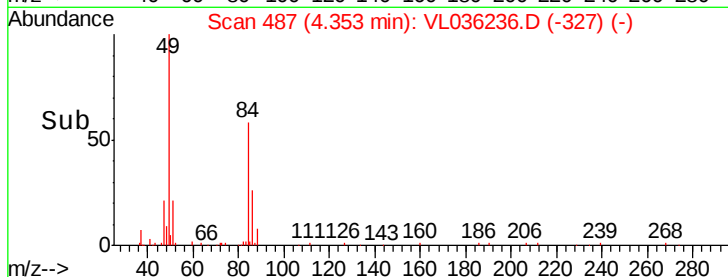
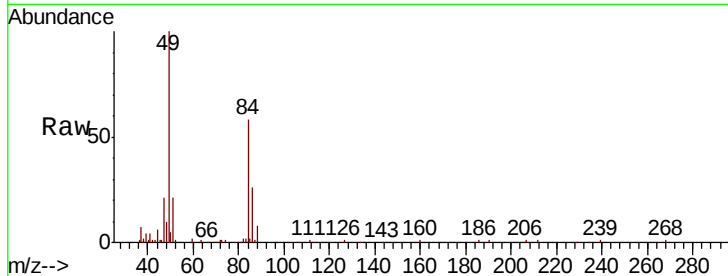




#20
Methylene Chloride
Concen: 0.909 ppbv
RT: 4.35 min Scan# 487
Delta R.T. 0.01 min
Lab File: VL036236.D
Acq: 13 Jan 2021 22:21

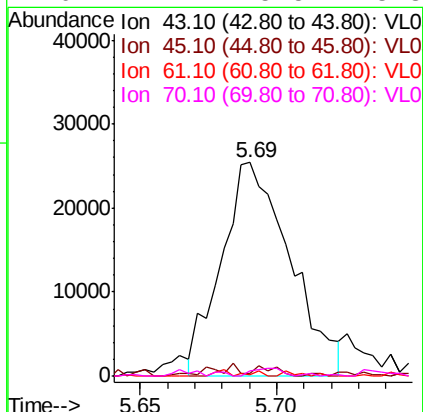
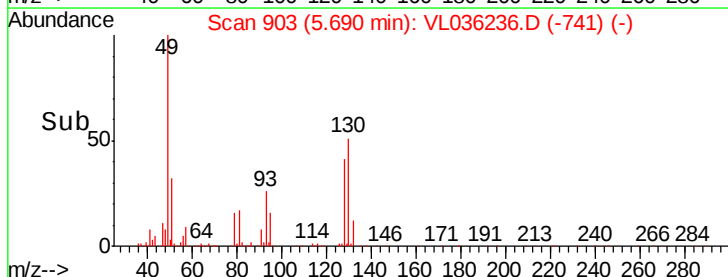
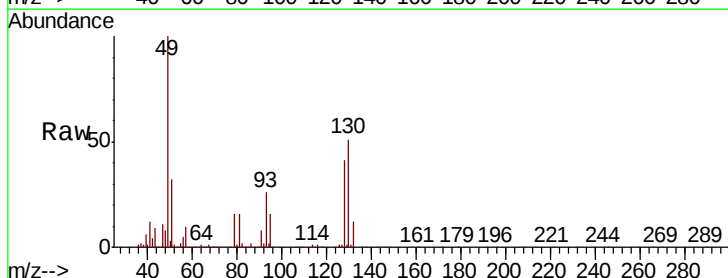
Instrument :
MSVOA_L
ClientSampled :
IA1DL

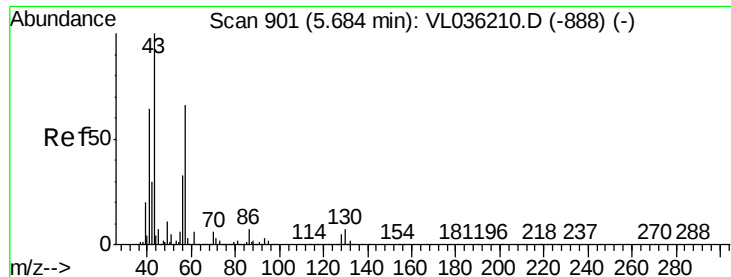
Tot Ion	84	Resp	52555
Ion	Ratio	Lower	Upper
84	100		
49	169.7	134.1	201.1
51	37.1	37.4	56.0#
86	44.3	52.6	78.8#



#25
Ethyl Acetate
Concen: 0.116 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL036236.D
Acq: 13 Jan 2021 22:21

Tgt Ion	43	Resp	44621
Ion	Ratio	Lower	Upper
43	100		
45	5.0	8.3	12.5#
61	1.0	7.4	11.2#
70	1.7	5.5	8.3#

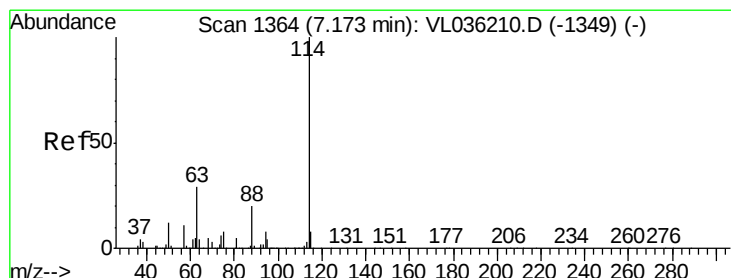
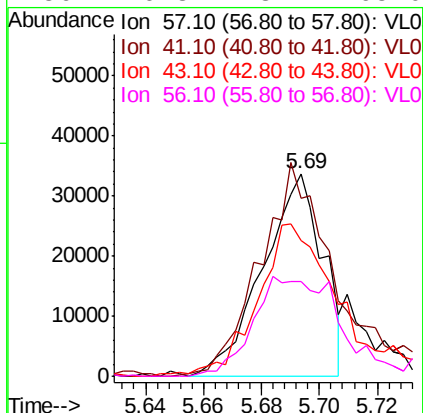
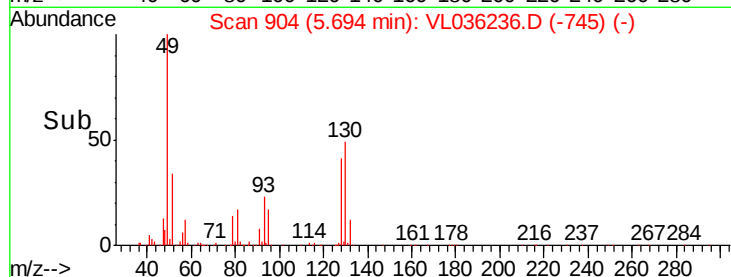
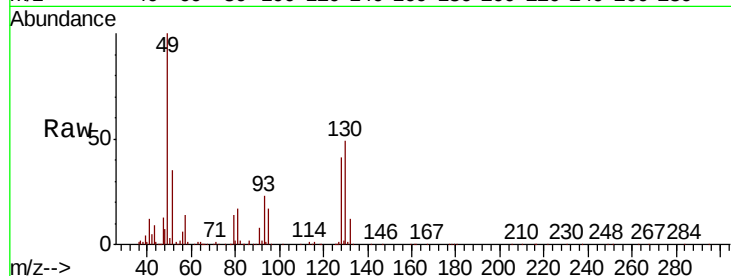




#26
Hexane
Concen: 0.301 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL036236.D
Acq: 13 Jan 2021 22:21

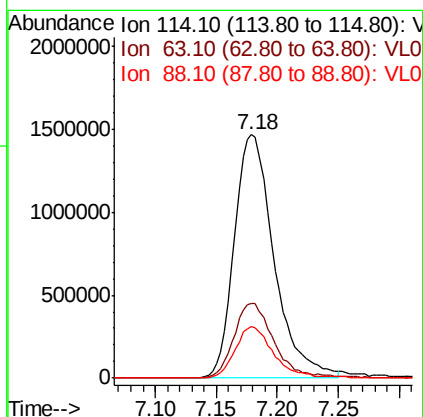
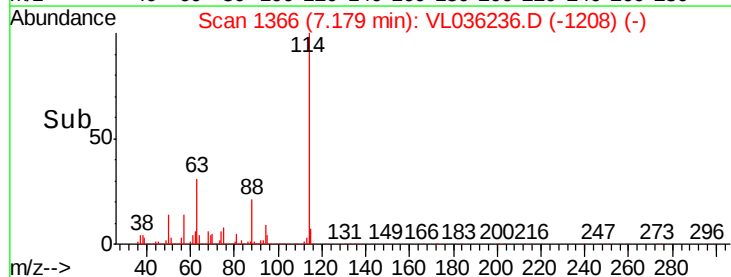
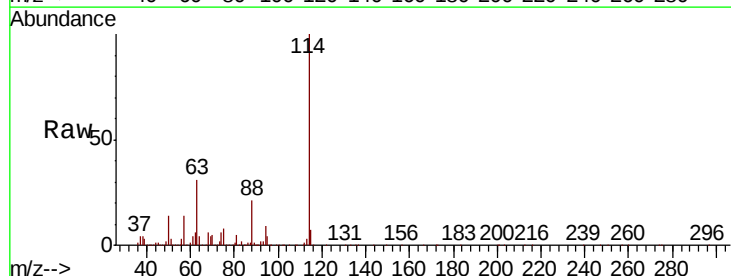
Instrument :
MSVOA_L
ClientSampled :
IA1DL

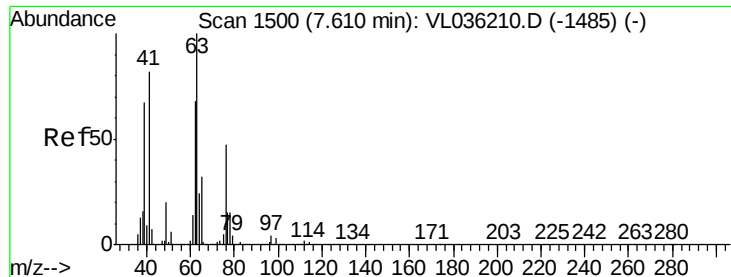
Tot Ion:	57	Resp:	48357
Ion	Ratio	Lower	Upper
57	100		
41	139.3	83.0	124.6#
43	108.9	202.4	303.6#
56	76.3	43.4	65.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. 0.01 min
Lab File: VL036236.D
Acq: 13 Jan 2021 22:21

Tgt Ion:	114	Resp:	3313698
Ion	Ratio	Lower	Upper
114	100		
63	31.4	24.7	37.1
88	20.7	16.6	24.8

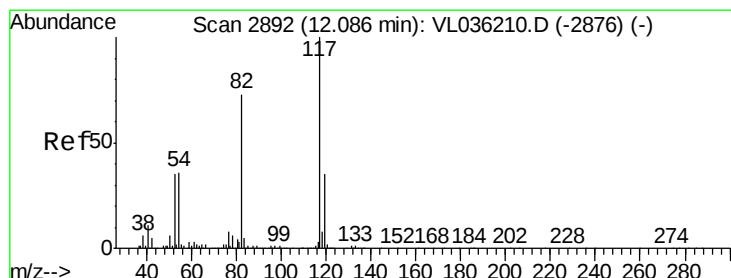
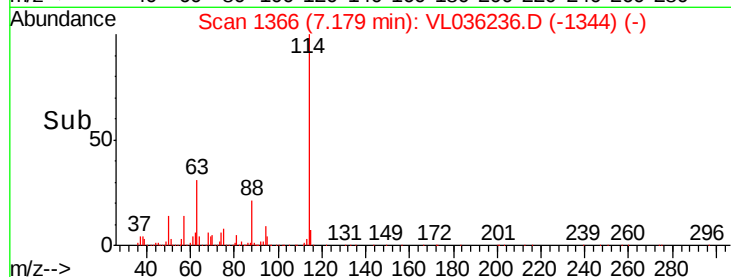
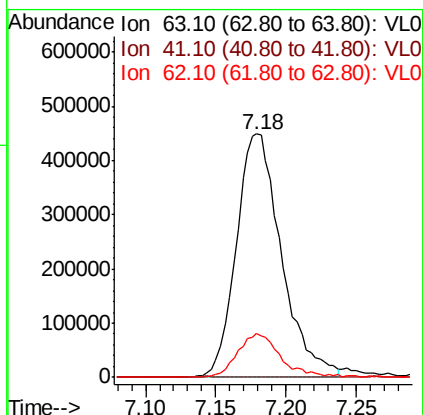
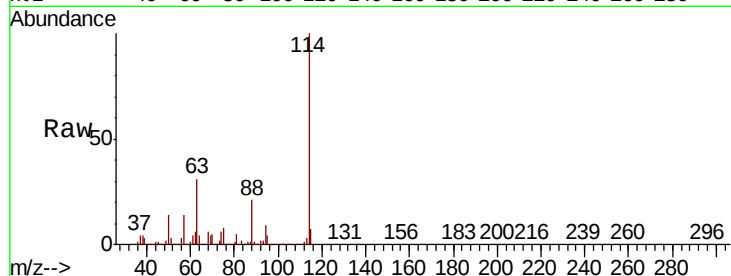




#39
 1,2-Dichloropropane
 Concen: 8.132 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.43 min
 Lab File: VL036236.D
 Acq: 13 Jan 2021 22:21

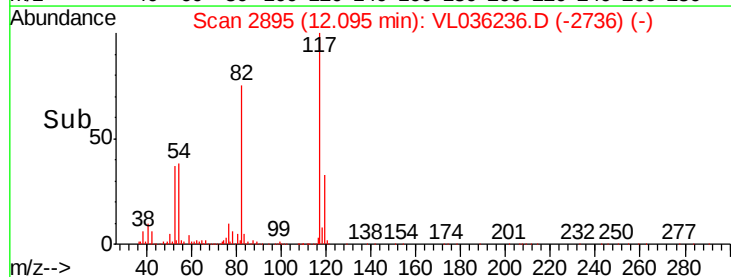
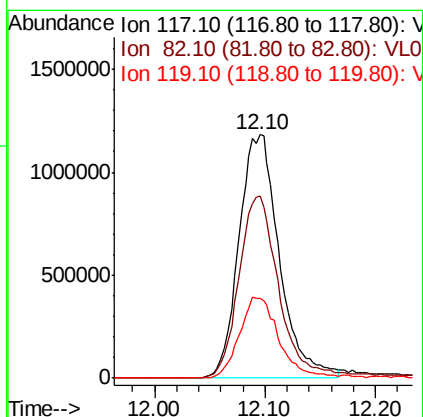
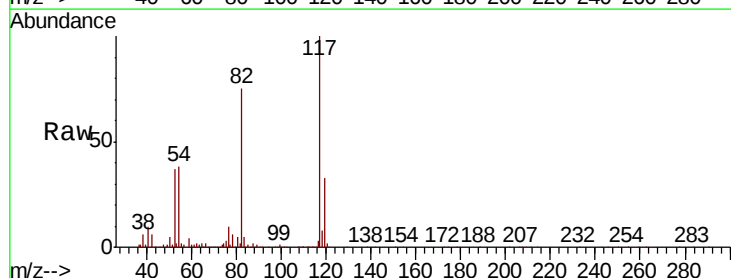
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

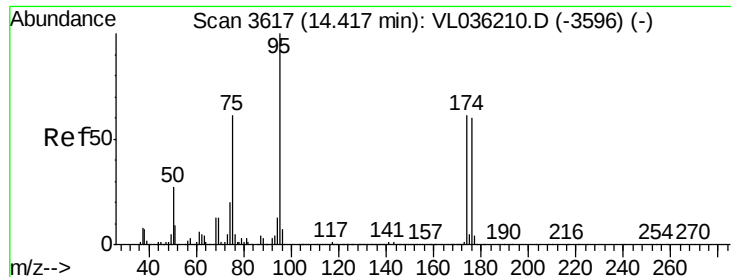
Tot Ion: 63 Resp: 1002436
 Ion Ratio Lower Upper
 63 100
 41 0.0 66.1 99.1#
 62 18.2 54.8 82.2#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2895
 Delta R.T. 0.01 min
 Lab File: VL036236.D
 Acq: 13 Jan 2021 22:21

Tgt Ion: 117 Resp: 3004039
 Ion Ratio Lower Upper
 117 100
 82 77.5 59.7 89.5
 119 33.4 28.6 43.0





#68

1-Bromo-4-Fluorobenzene

Concen: 5.098 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. 0.01 min

Lab File: VL036236.D

Acq: 13 Jan 2021 22:21

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

Tot Ion: 95 Resp: 1267611

Ion Ratio Lower Upper

95 100

174 124.0 49.4 74.0#

175 9.1 3.8 5.8#

