

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL012021\
 Data File : VL036248.D
 Acq On : 20 Jan 2021 15:51
 Operator : SY/AP
 Sample : M1171-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1DL

Quant Time: Jan 21 01:35:25 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 14 16:13:38 2021
 QLast Update : Thu Jan 14 16:13:38 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1460840	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3099956	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2797306	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2339556	10.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

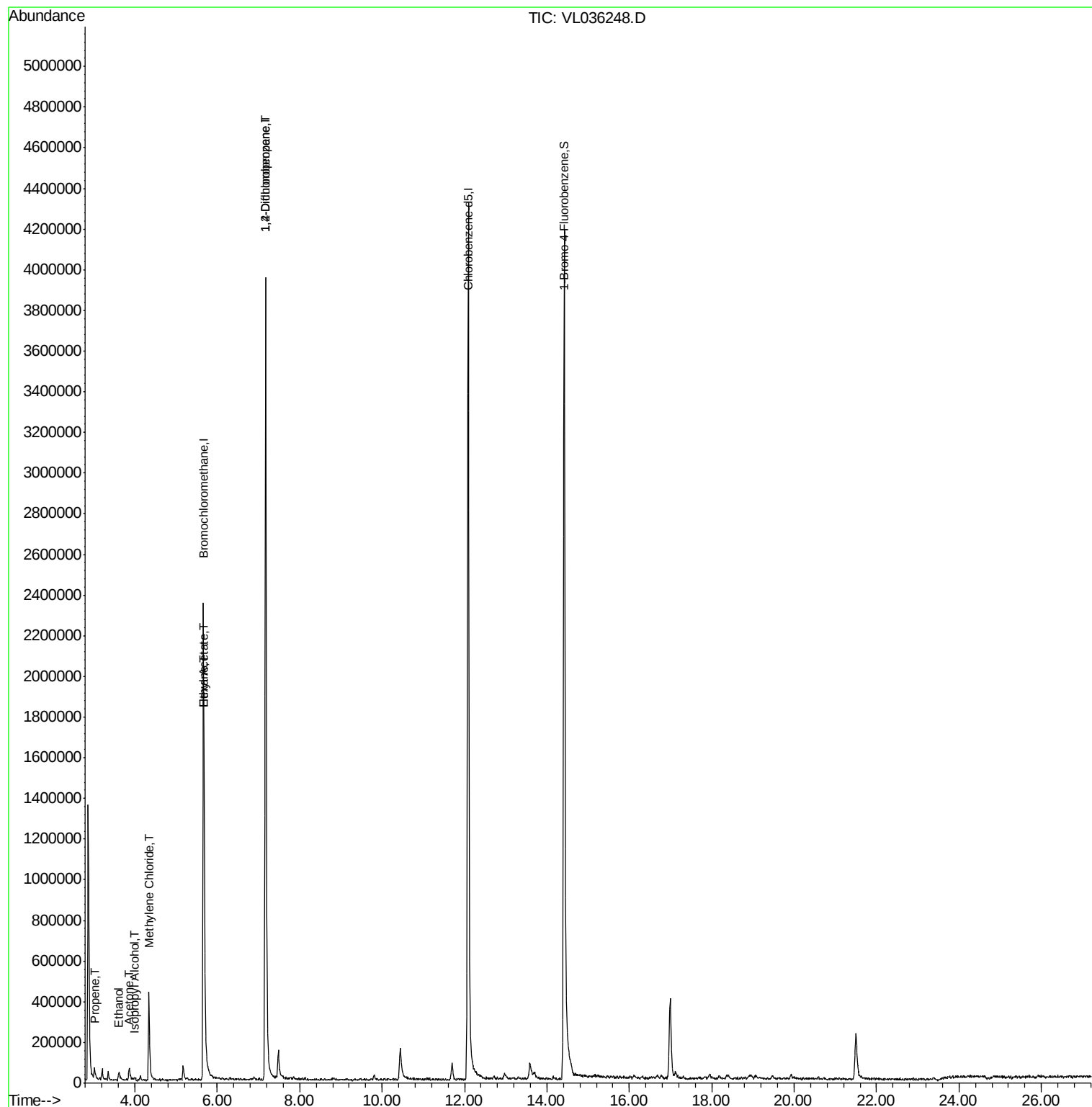
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	9563	0.112	ppbv #	72
13) Ethanol	3.61	45	45683	3.405	ppbv	94
15) Acetone	3.84	43	12661	0.071	ppbv #	49
19) Isopropyl Alcohol	3.98	45	4848	0.045	ppbv #	93
20) Methylene Chloride	4.34	84	158938	2.783	ppbv	91
25) Ethyl Acetate	5.69	43	76566	0.213	ppbv #	80
26) Hexane	5.69	57	108632	0.726	ppbv #	37
39) 1,2-Dichloropropane	7.17	63	914873	7.933	ppbv #	21

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL036248.D

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Instrument :

MSVOA_L

ClientSampleId :

AA-1DL

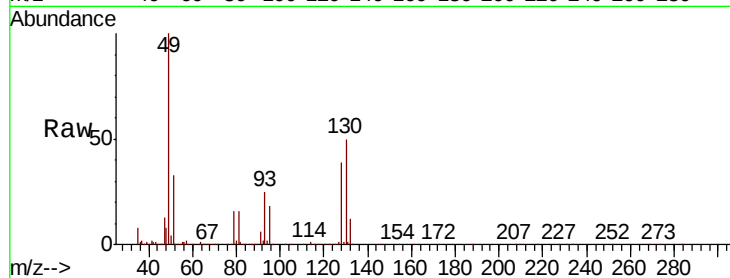
Tot Ion: 49 Resp: 1460840

Ion Ratio Lower Upper

49 100

128 39.0 20.1 60.2

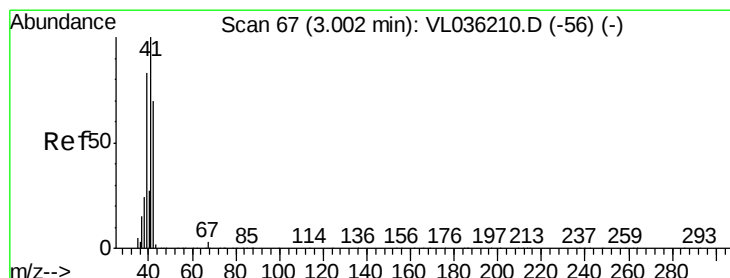
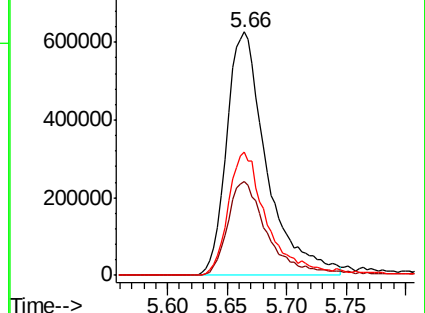
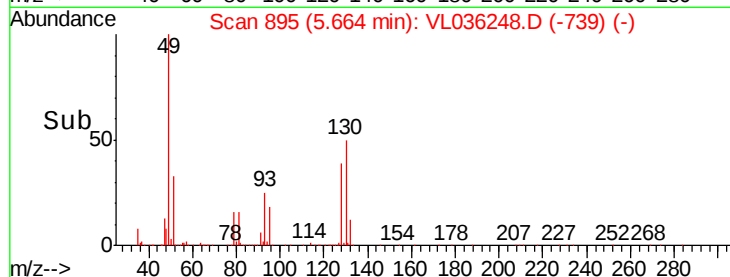
130 50.7 25.3 75.9



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



#9

Propene

Concen: 0.112 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL036248.D

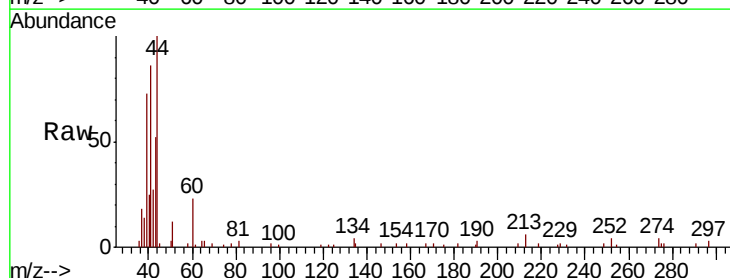
Acq: 20 Jan 2021 15:51

Tgt Ion: 41 Resp: 9563

Ion Ratio Lower Upper

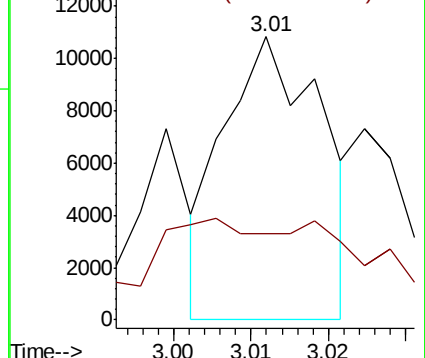
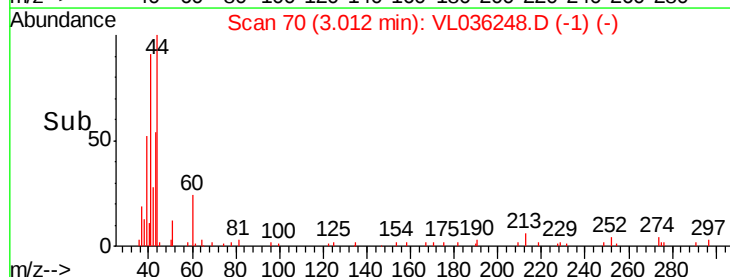
41 100

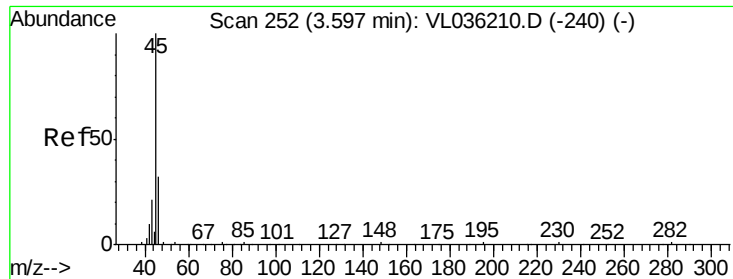
42 94.7 57.1 85.7#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 3.405 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL036248.D

Acq: 20 Jan 2021 15:51

Instrument :

MSVOA_L

ClientSampled :

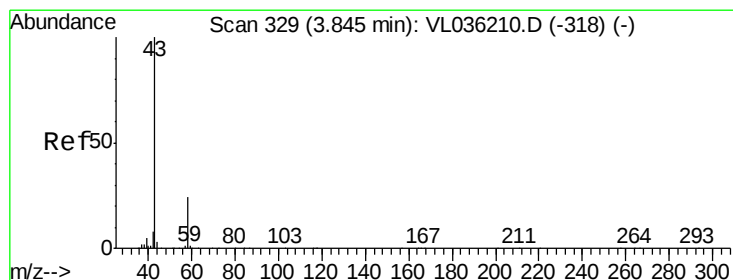
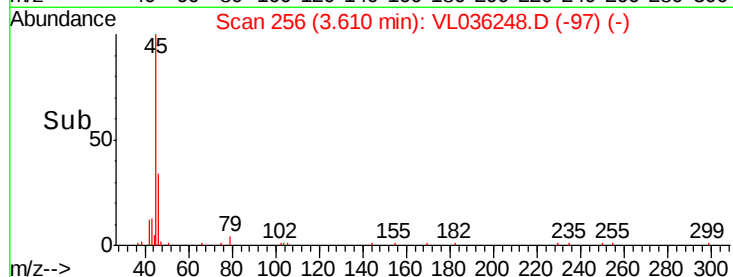
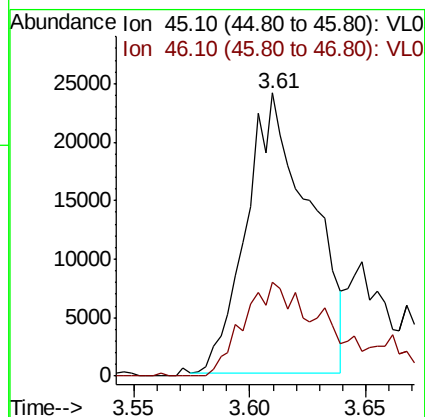
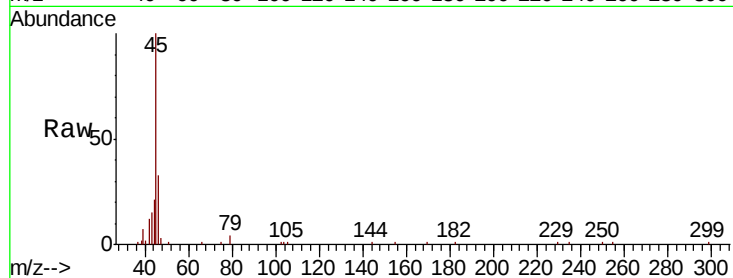
AA-1DL

Tot Ion: 45 Resp: 45683

Ion Ratio Lower Upper

45 100

46 52.0 19.2 77.0



#15

Acetone

Concen: 0.071 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.00 min

Lab File: VL036248.D

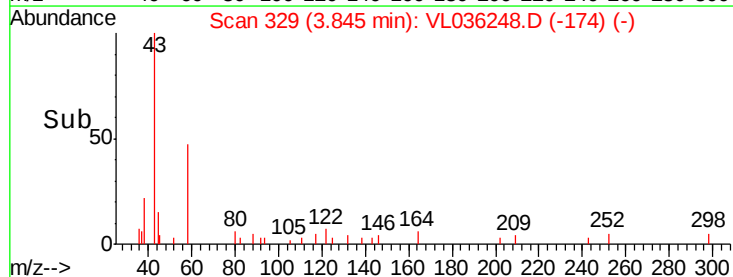
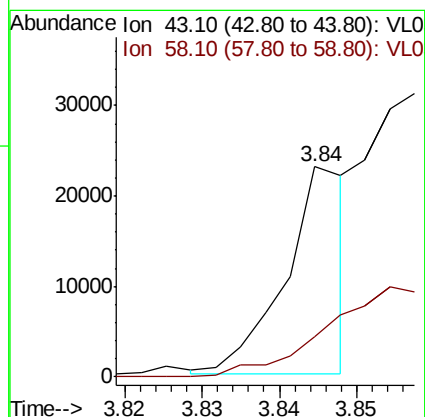
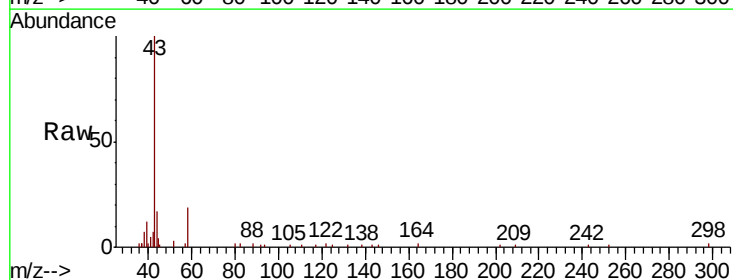
Acq: 20 Jan 2021 15:51

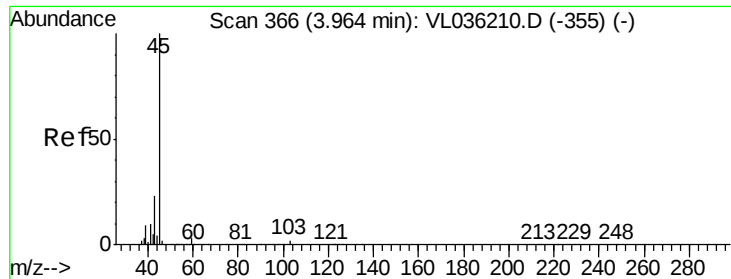
Tgt Ion: 43 Resp: 12661

Ion Ratio Lower Upper

43 100

58 0.0 20.9 31.3#





#19

Isopropyl Alcohol

Concen: 0.045 ppbv

RT: 3.98 min Scan# 372

Delta R.T. 0.02 min

Lab File: VL036248.D

Acq: 20 Jan 2021 15:51

Instrument :

MSVOA_L

ClientSampleId :

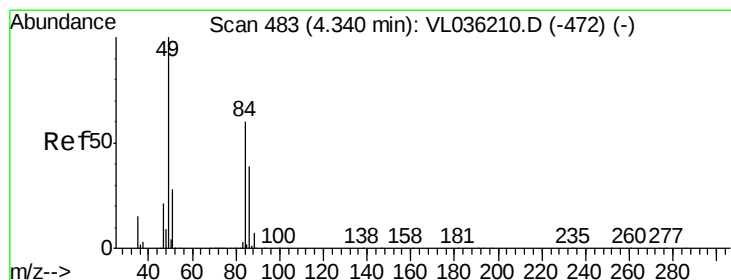
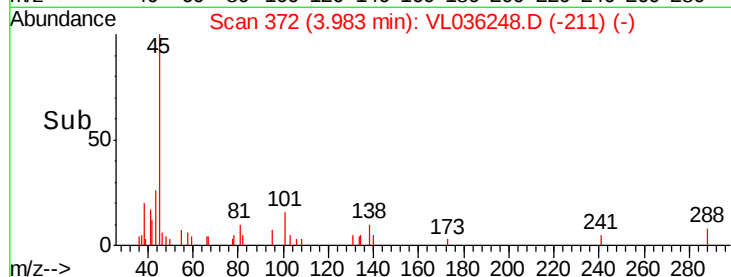
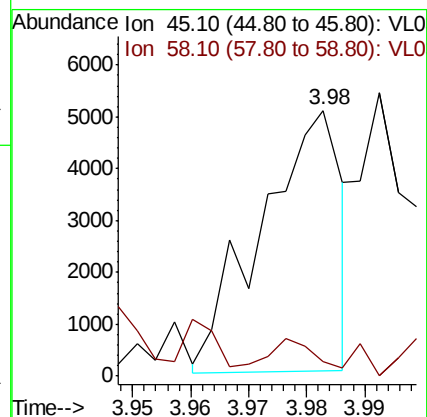
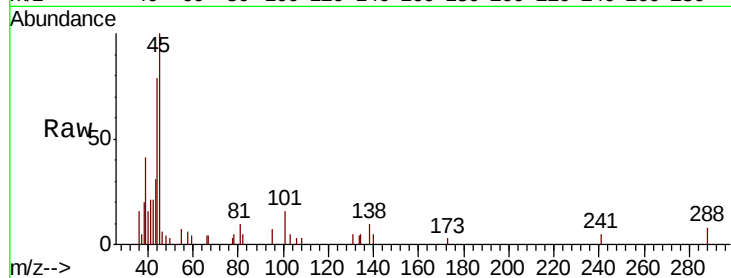
AA-1DL

Tot Ion: 45 Resp: 4848

Ion Ratio Lower Upper

45 100

58 0.0 1.9 2.9#



#20

Methylene Chloride

Concen: 2.783 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.00 min

Lab File: VL036248.D

Acq: 20 Jan 2021 15:51

Tgt Ion: 84 Resp: 158938

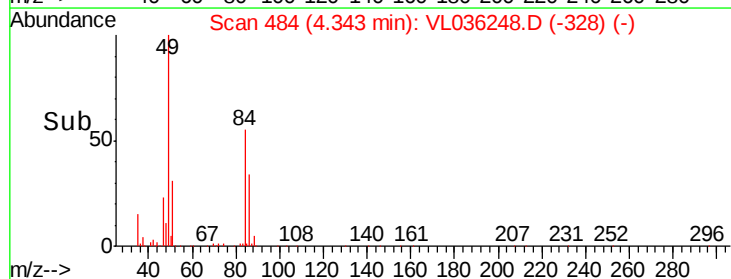
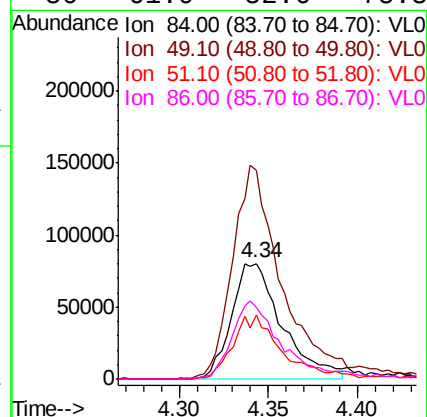
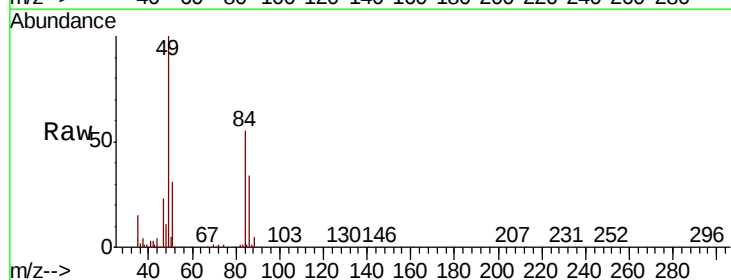
Ion Ratio Lower Upper

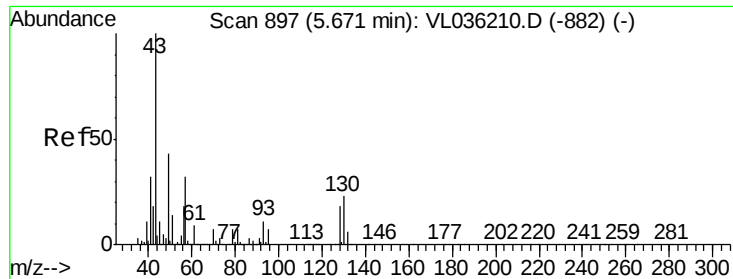
84 100

49 180.1 134.1 201.1

51 55.5 37.4 56.0

86 61.9 52.6 78.8

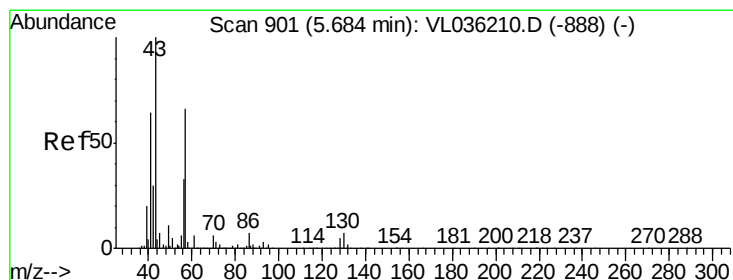
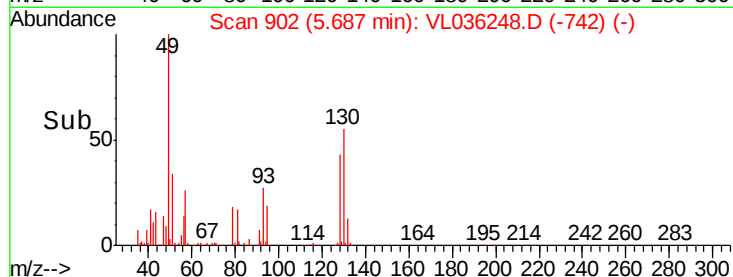
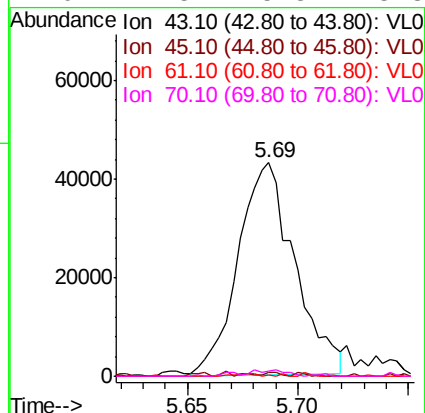
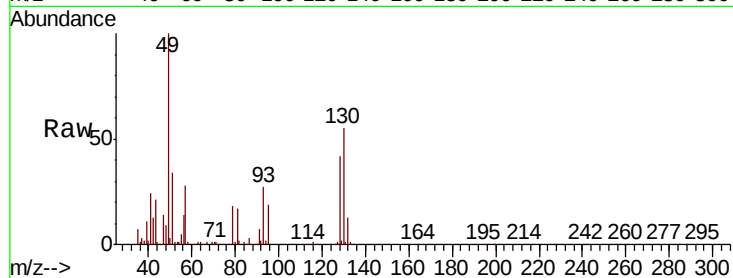




#25
Ethyl Acetate
Concen: 0.213 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.02 min
Lab File: VL036248.D
Acq: 20 Jan 2021 15:51

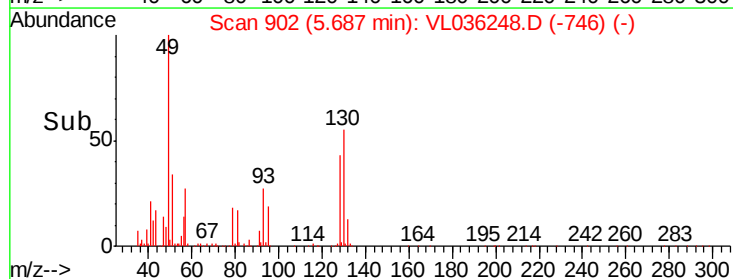
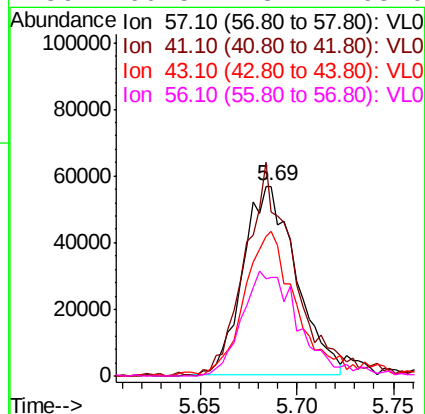
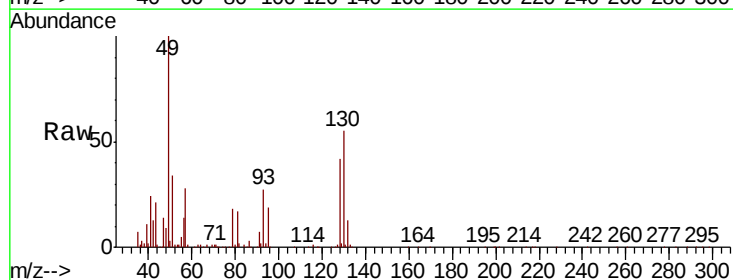
Instrument :
MSVOA_L
ClientSampleId :
AA-1DL

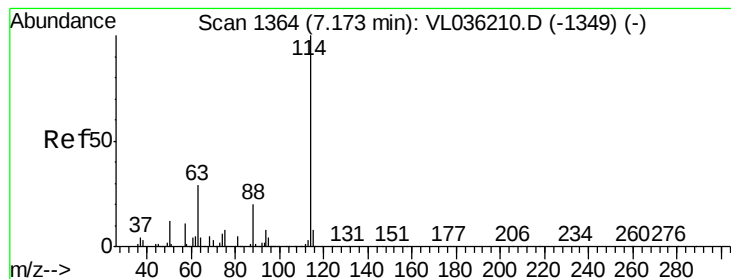
Tot Ion:	43	Resp:	76566
Ion	Ratio	Lower	Upper
43	100		
45	1.9	8.3	12.5#
61	1.0	7.4	11.2#
70	2.5	5.5	8.3#



#26
Hexane
Concen: 0.726 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.00 min
Lab File: VL036248.D
Acq: 20 Jan 2021 15:51

Tgt Ion:	57	Resp:	108632
Ion	Ratio	Lower	Upper
57	100		
41	106.7	83.0	124.6
43	79.3	202.4	303.6#
56	60.5	43.4	65.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.00 min

Lab File: VL036248.D

Acq: 20 Jan 2021 15:51

Instrument :

MSVOA_L

ClientSampleId :

AA-1DL

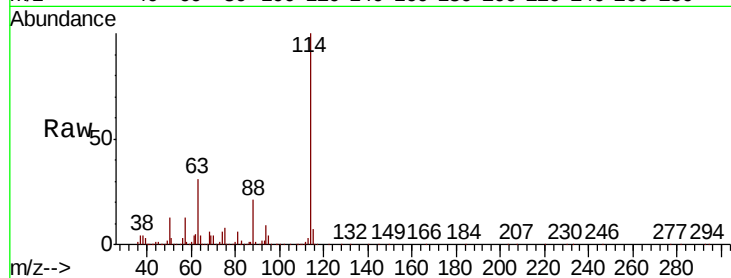
Tot Ion:114 Resp: 3099956

Ion Ratio Lower Upper

114 100

63 30.5 24.7 37.1

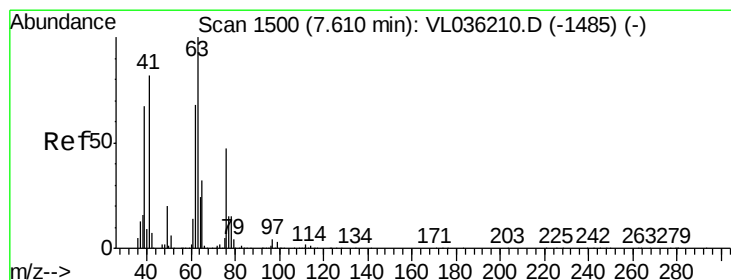
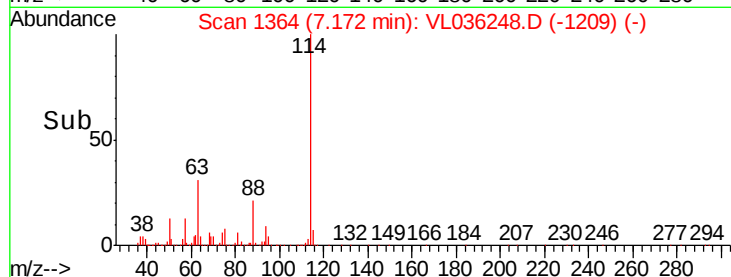
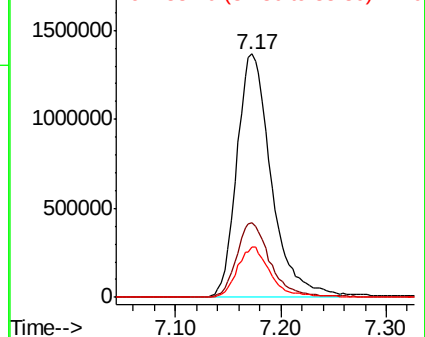
88 20.2 16.6 24.8



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#39

1,2-Dichloropropane

Concen: 7.933 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.44 min

Lab File: VL036248.D

Acq: 20 Jan 2021 15:51

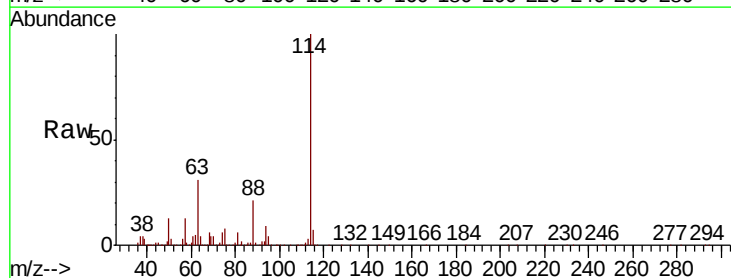
Tgt Ion: 63 Resp: 914873

Ion Ratio Lower Upper

63 100

41 0.0 66.1 99.1#

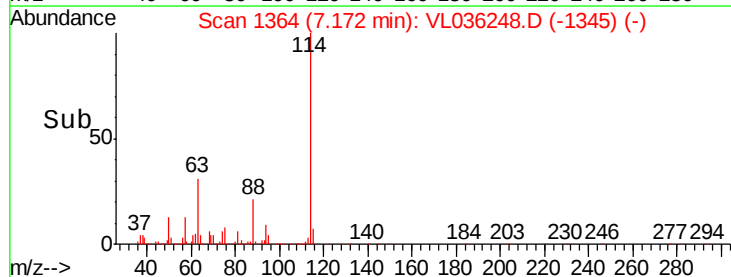
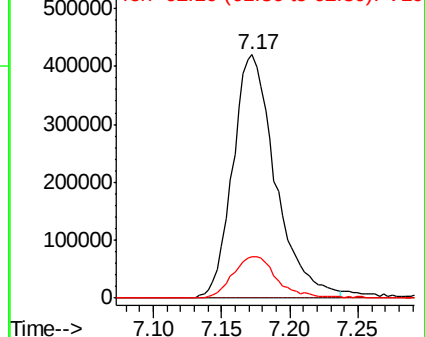
62 17.0 54.8 82.2#

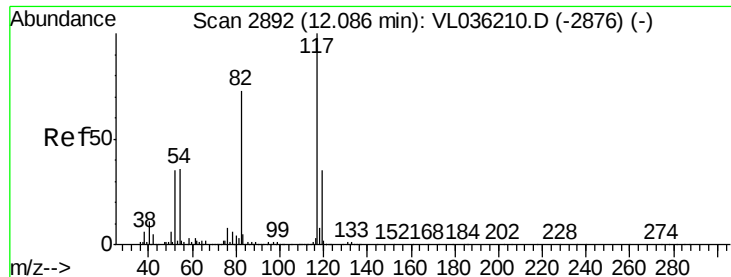


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

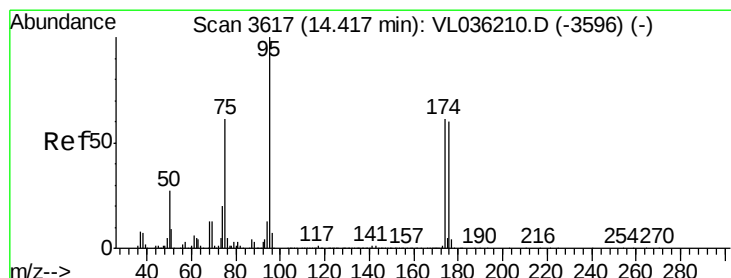
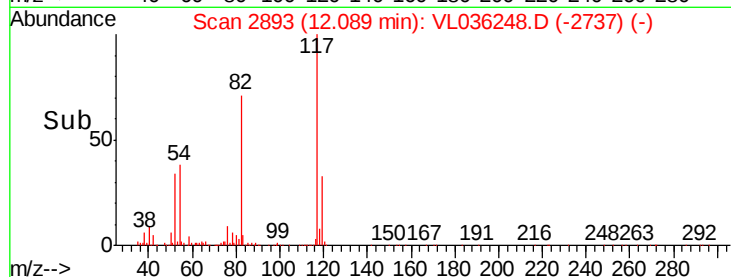
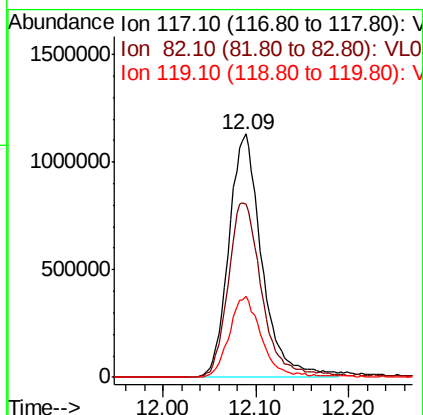
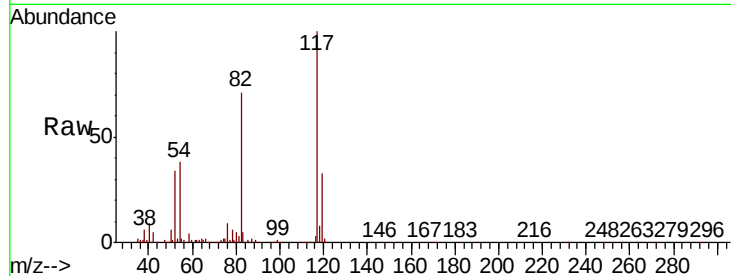




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. 0.00 min
Lab File: VL036248.D
Acq: 20 Jan 2021 15:51

Instrument :
MSVOA_L
ClientSampleId :
AA-1DL

Tot Ion:117 Resp: 2797306
Ion Ratio Lower Upper
117 100
82 75.5 59.7 89.5
119 33.1 28.6 43.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.104 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. -0.00 min
Lab File: VL036248.D
Acq: 20 Jan 2021 15:51

Tgt Ion: 95 Resp: 2339556
Ion Ratio Lower Upper
95 100
174 61.0 49.4 74.0
175 4.4 3.8 5.8

