

Data File : VL036150.D
Acq On : 11 Dec 2020 5:25
Operator : SY/AP
Sample : L5005-02DL2 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
48-2DL2

Quant Time: Dec 11 07:13:08 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	5.65	49	1305053	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	2578672	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2313111	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2022265	11.01	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.10%

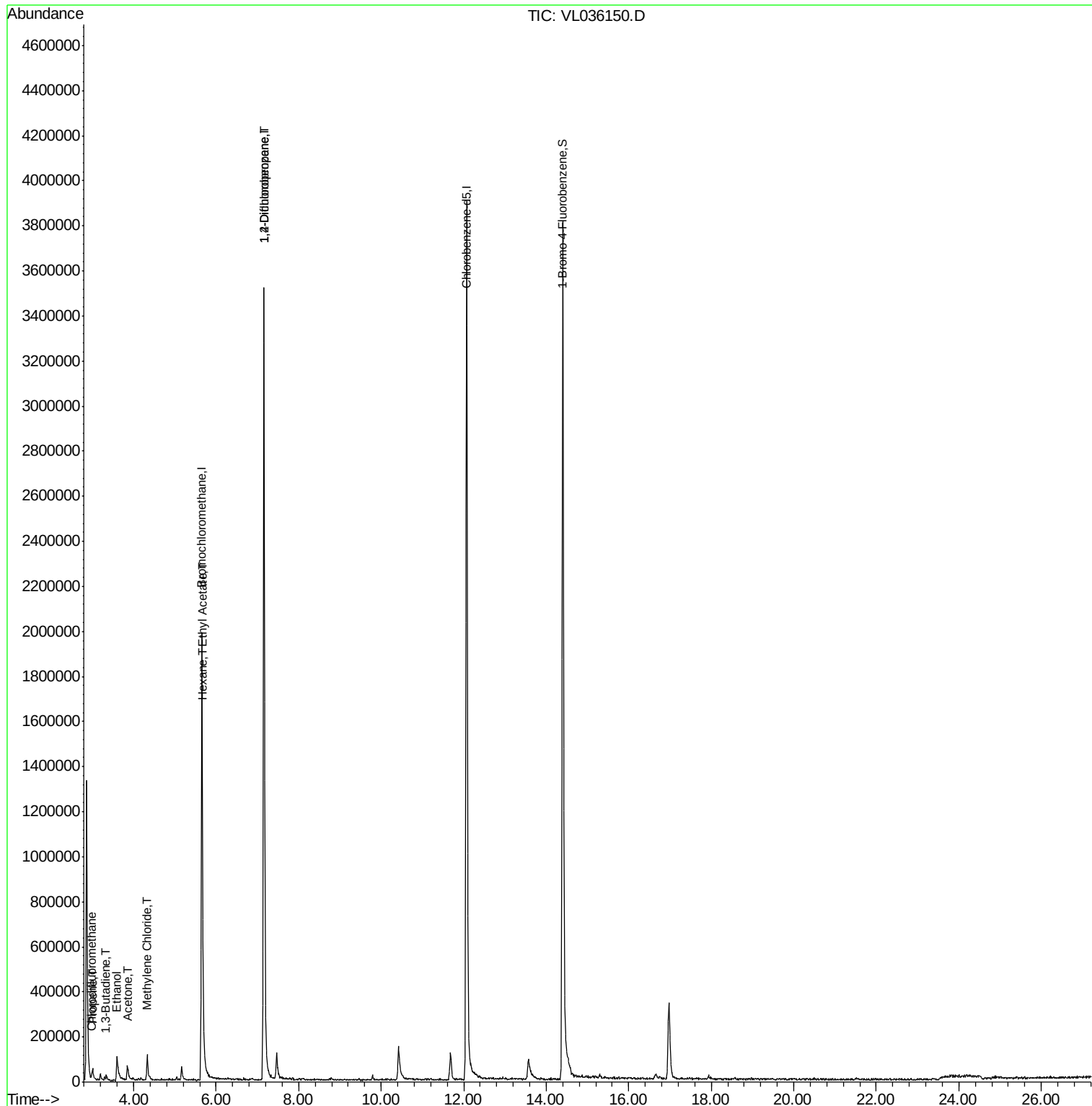
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.97	51	6593	0.044	ppbv #	78
9) Propene	3.00	41	5829	0.078	ppbv #	1
13) Ethanol	3.59	45	81647	7.940	ppbv #	49
15) Acetone	3.85	43	71172	0.454	ppbv #	77
16) 1,3-Butadiene	3.32	39	2655	0.034	ppbv #	11
20) Methylene Chloride	4.33	84	36919	0.574	ppbv	95
25) Ethyl Acetate	5.67	43	15184	0.048	ppbv #	75
26) Hexane	5.67	57	8368	0.059	ppbv #	1
39) 1,2-Dichloropropane	7.15	63	832623	9.648	ppbv #	23

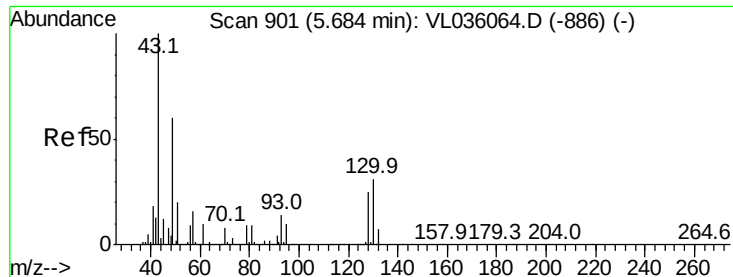
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.03 min

Lab File: VL036150.D

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MSVOA_L

ClientSampleId :

48-2DL2

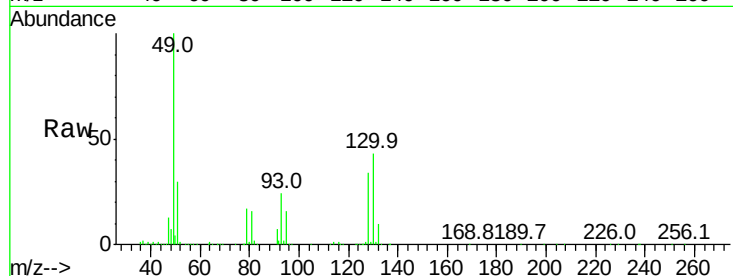
Tgt Ion: 49 Resp: 1305053

Ion Ratio Lower Upper

49 100

128 35.6 21.1 63.1

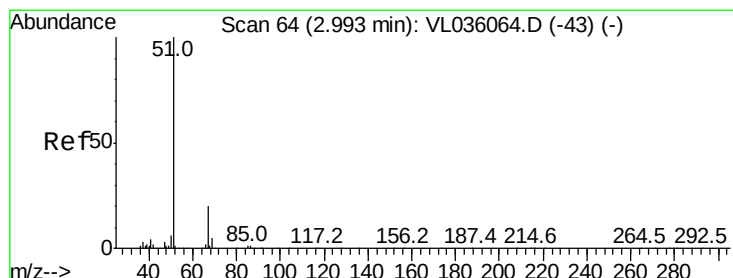
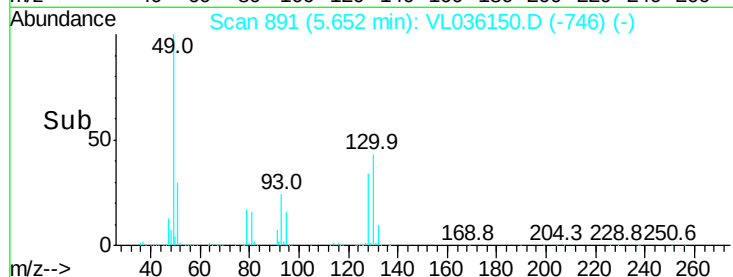
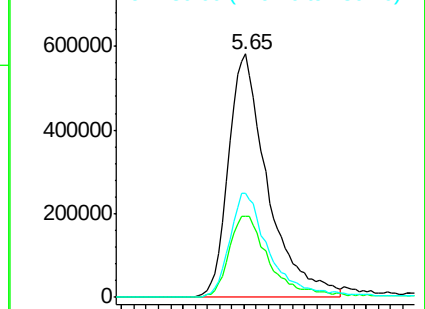
130 44.4 27.1 81.3



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.044 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.02 min

Lab File: VL036150.D

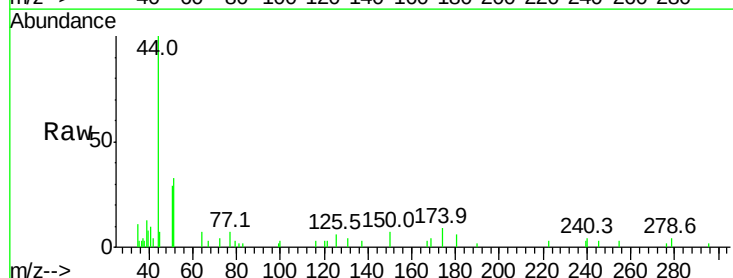
Acq: 11 Dec 2020 5:25

Tgt Ion: 51 Resp: 6593

Ion Ratio Lower Upper

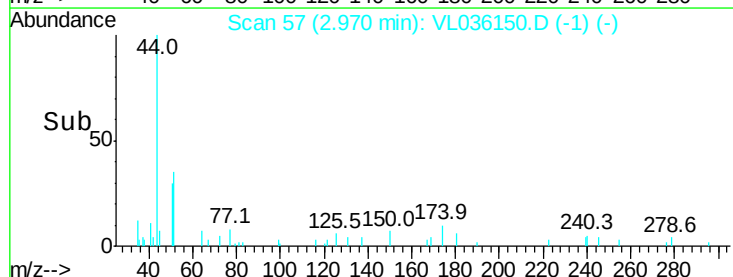
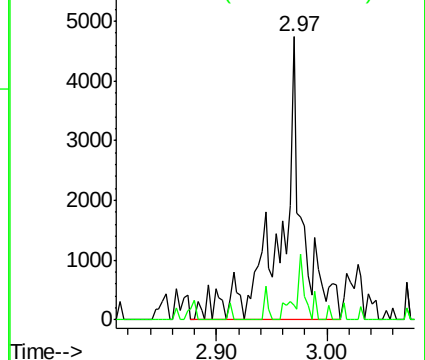
51 100

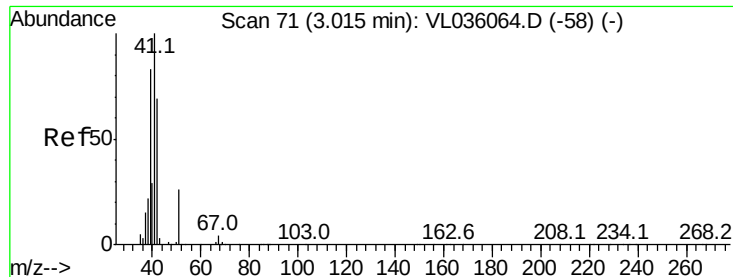
67 8.1 14.3 21.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.078 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.02 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

Instrument :

MSVOA_L

ClientSampleId :

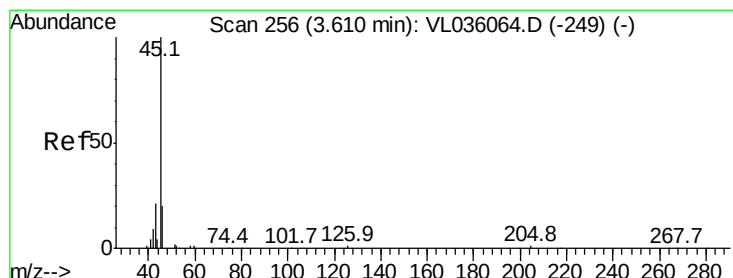
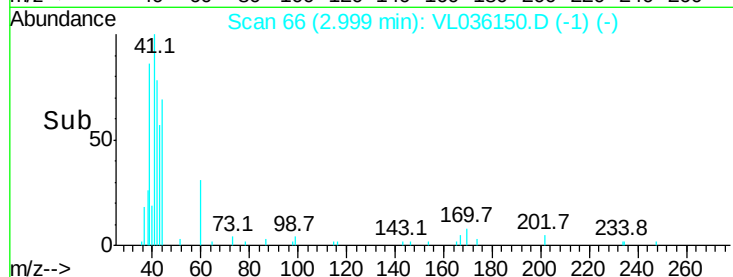
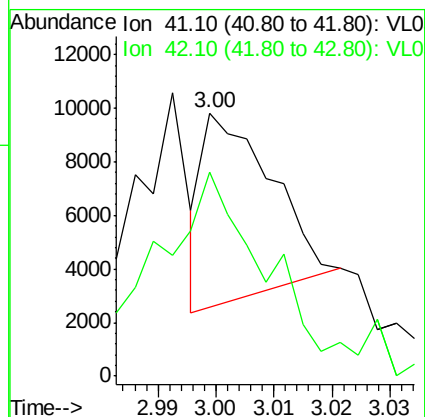
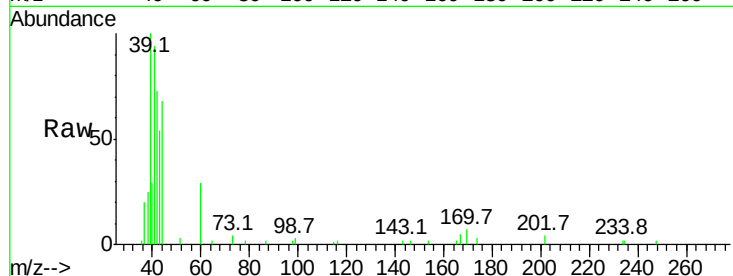
48-2DL2

Tgt Ion: 41 Resp: 5829

Ion Ratio Lower Upper

41 100

42 193.4 57.0 85.6#



#13

Ethanol

Concen: 7.940 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.02 min

Lab File: VL036150.D

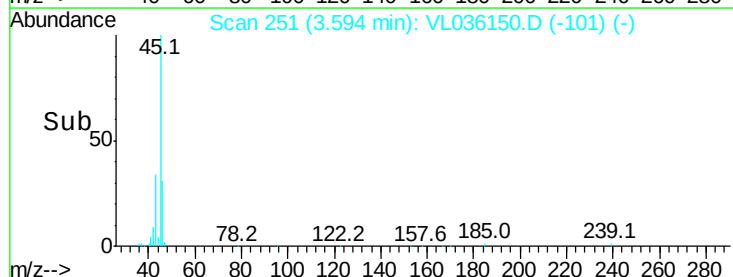
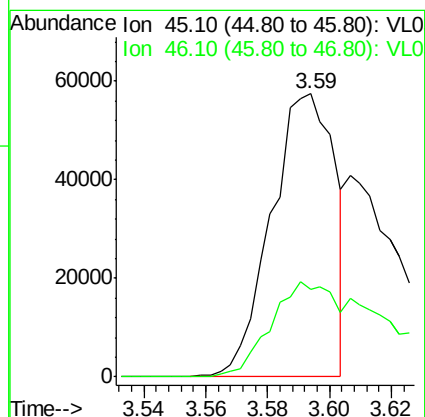
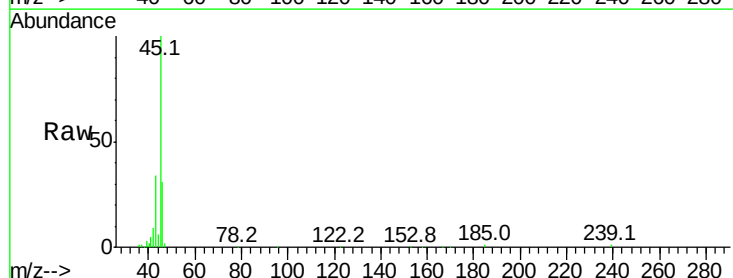
Acq: 11 Dec 2020 5:25

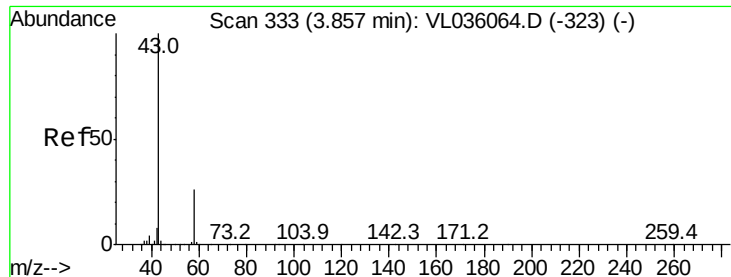
Tgt Ion: 45 Resp: 81647

Ion Ratio Lower Upper

45 100

46 81.3 19.0 75.8#





#15

Acetone

Concen: 0.454 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.01 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

Instrument :

MSVOA_L

ClientSampleId :

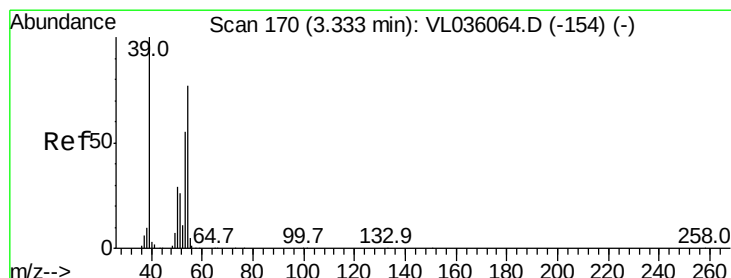
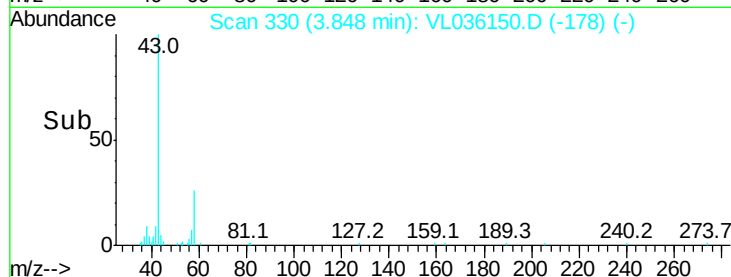
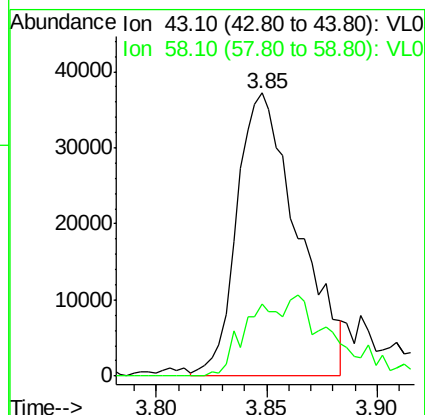
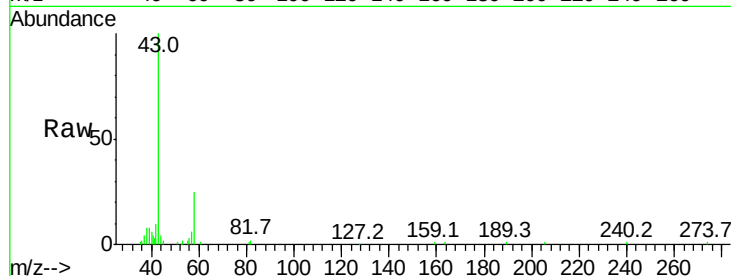
48-2DL2

Tgt Ion: 43 Resp: 71172

Ion Ratio Lower Upper

43 100

58 37.7 20.9 31.3#



#16

1,3-Butadiene

Concen: 0.034 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.02 min

Lab File: VL036150.D

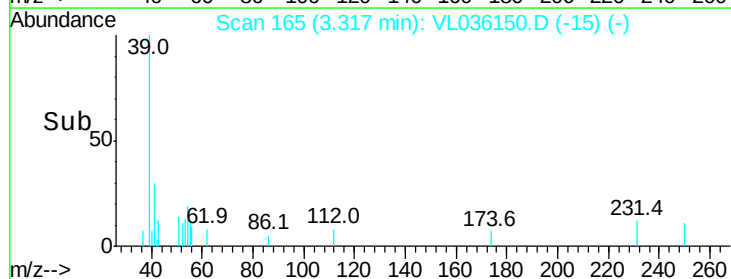
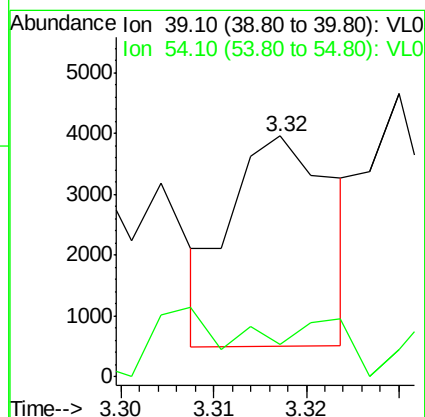
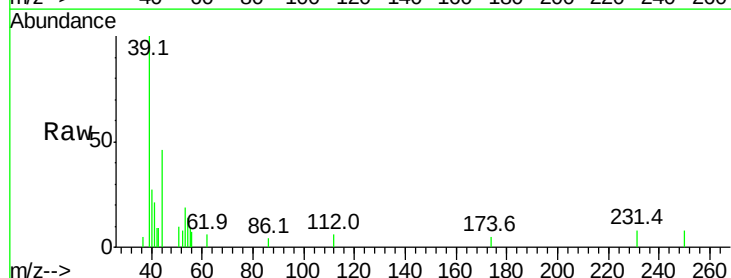
Acq: 11 Dec 2020 5:25

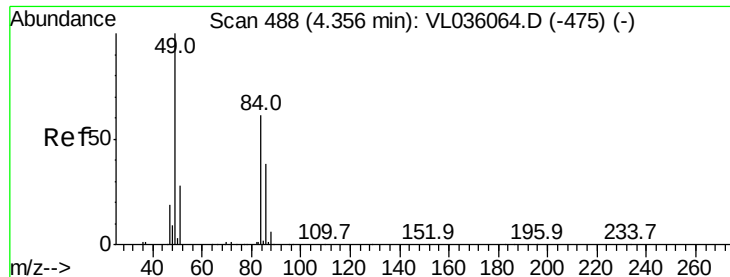
Tgt Ion: 39 Resp: 2655

Ion Ratio Lower Upper

39 100

54 0.0 62.1 93.1#

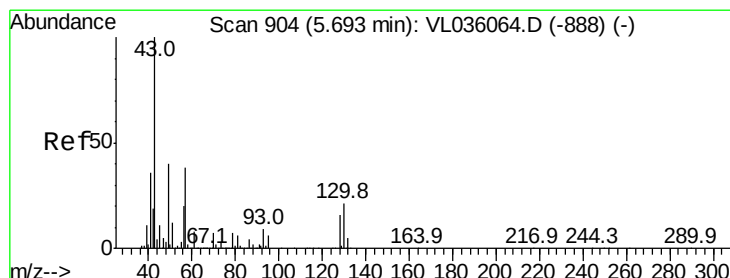
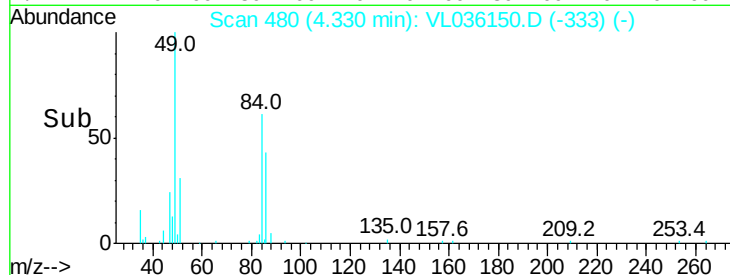
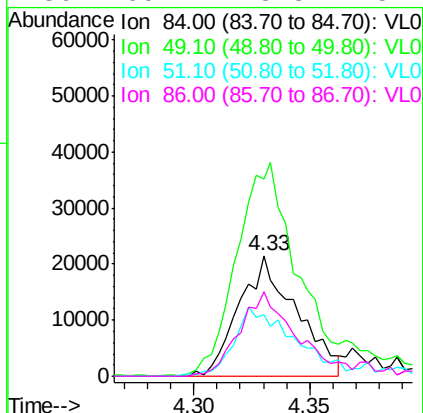
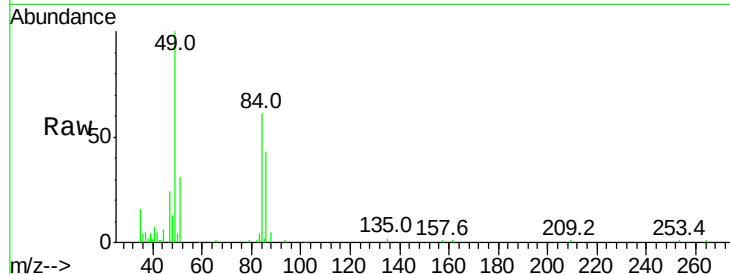




#20
Methylene Chloride
Concen: 0.574 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.03 min
Lab File: VL036150.D
Acq: 11 Dec 2020 5:25

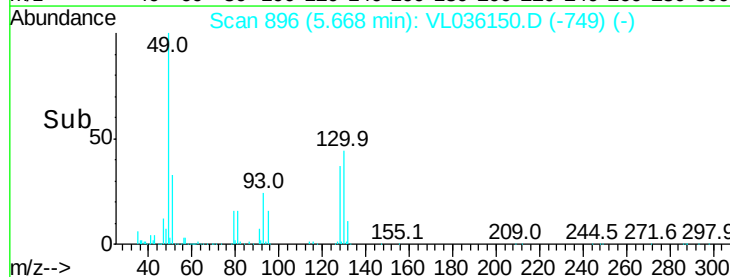
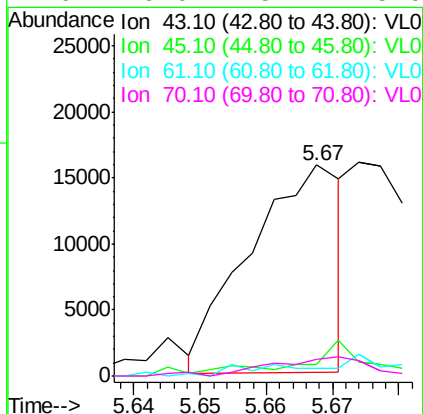
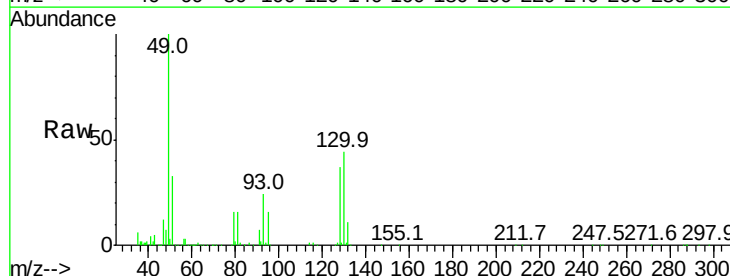
Instrument :
MSVOA_L
ClientSampleId :
48-2DL2

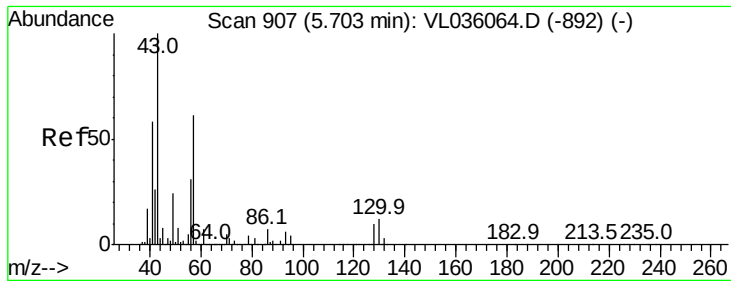
Tgt Ion:	84	Resp:	36919
Ion	Ratio	Lower	Upper
84	100		
49	161.0	133.0	199.4
51	49.1	38.9	58.3
86	69.7	48.8	73.2



#25
Ethyl Acetate
Concen: 0.048 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.03 min
Lab File: VL036150.D
Acq: 11 Dec 2020 5:25

Tgt Ion:	43	Resp:	15184
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.2	12.4#
61	0.0	7.4	11.2#
70	0.0	5.4	8.0#

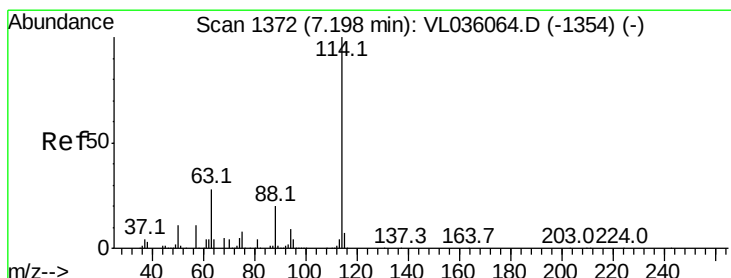
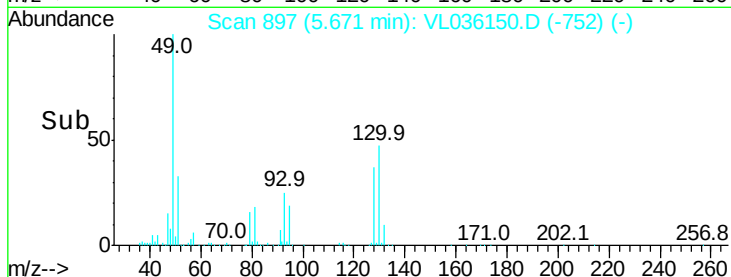
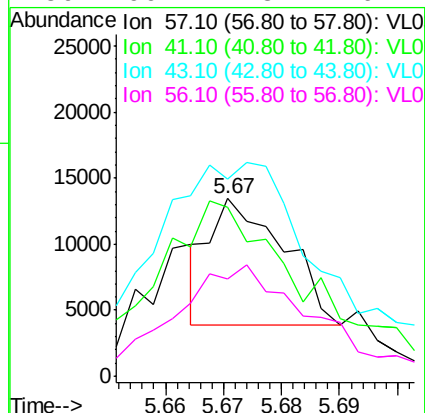
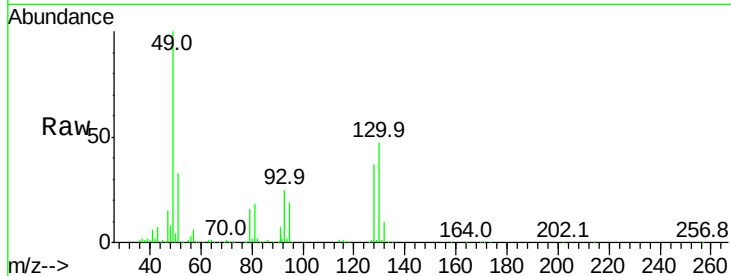




#26
Hexane
Concen: 0.059 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.03 min
Lab File: VL036150.D
Acq: 11 Dec 2020 5:25

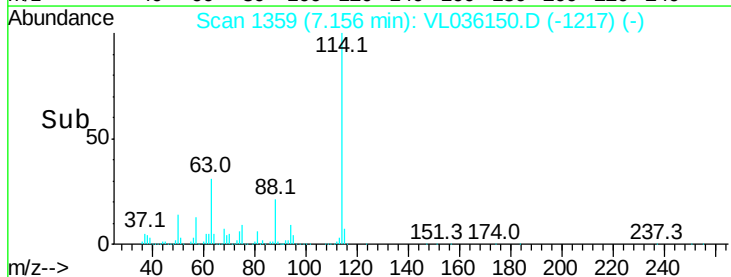
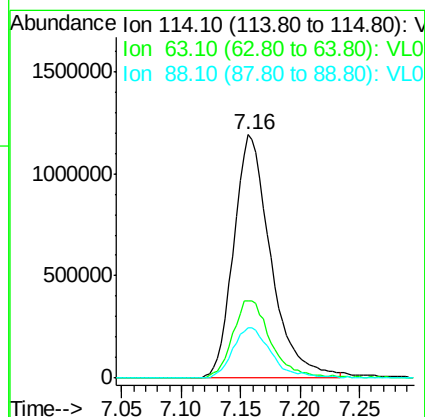
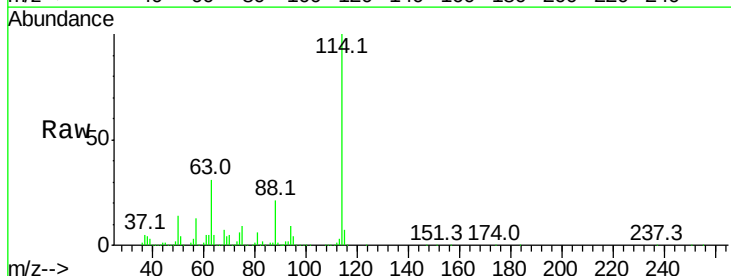
Instrument :
MSVOA_L
ClientSampleId :
48-2DL2

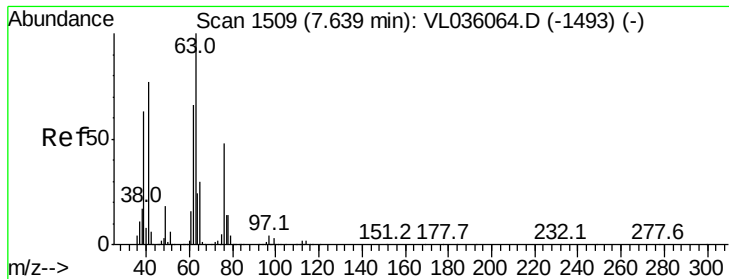
Tgt Ion: 57 Resp: 8368
Ion Ratio Lower Upper
57 100
41 326.4 82.9 124.3#
43 449.9 199.9 299.9#
56 190.1 43.1 64.7#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.04 min
Lab File: VL036150.D
Acq: 11 Dec 2020 5:25

Tgt Ion: 114 Resp: 2578672
Ion Ratio Lower Upper
114 100
63 33.5 23.6 35.4
88 21.7 15.8 23.6





#39

1,2-Dichloropropane

Concen: 9.648 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.49 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

Instrument :

MSVOA_L

ClientSampleId :

48-2DL2

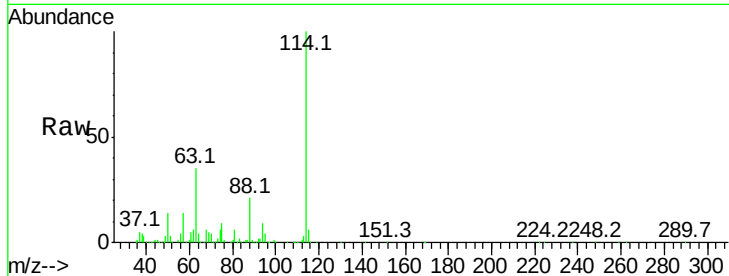
Tgt Ion: 63 Resp: 832623

Ion Ratio Lower Upper

63 100

41 0.1 61.9 92.9#

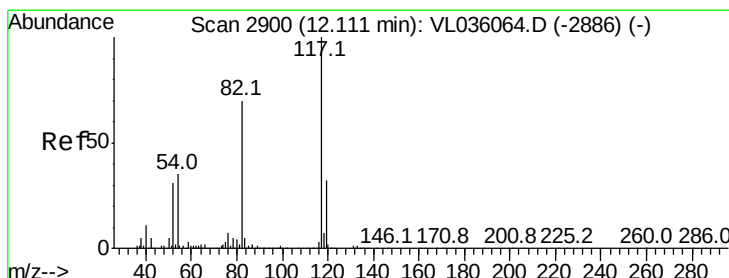
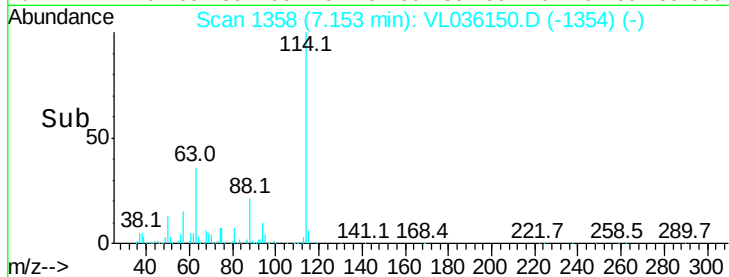
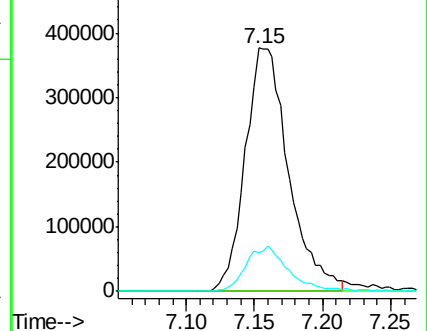
62 16.0 52.5 78.7#



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: 12.07 min Scan# 2887

Delta R.T. -0.04 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

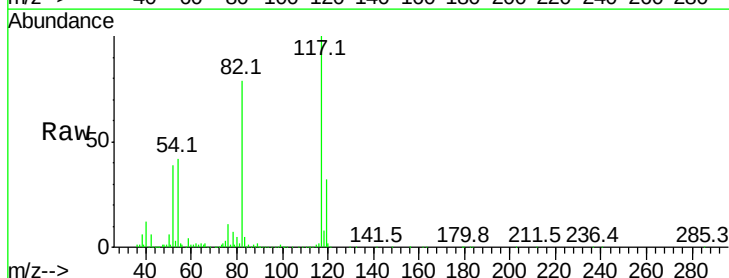
Tgt Ion: 117 Resp: 2313111

Ion Ratio Lower Upper

117 100

82 82.2 0.0 0.0#

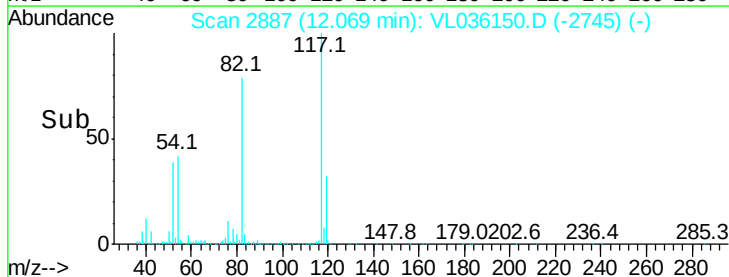
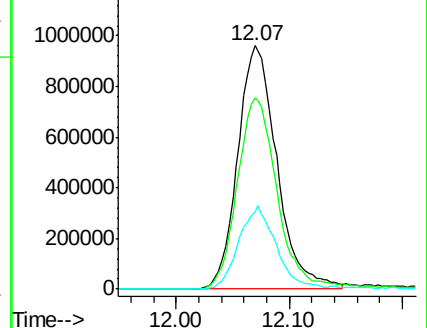
119 33.2 0.0 0.0#

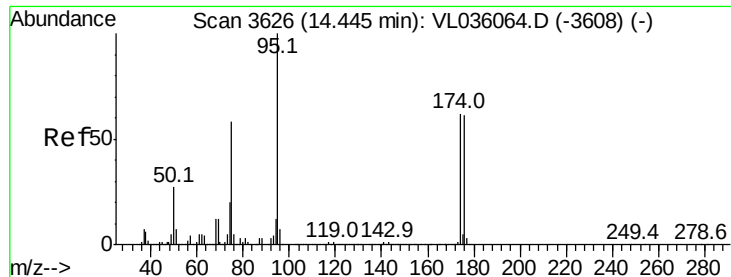


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 11.010 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. -0.04 min

Lab File: VL036150.D

Acq: 11 Dec 2020 5:25

Instrument :

MSVOA_L

ClientSampleId :

48-2DL2

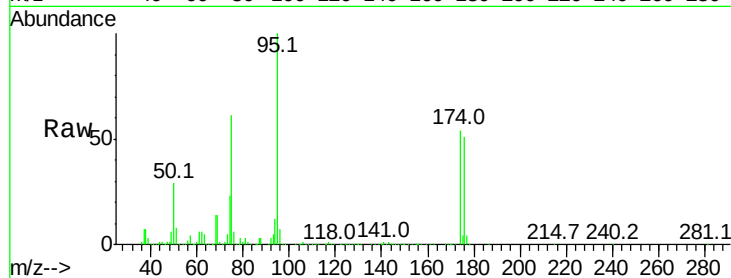
Tgt Ion: 95 Resp: 2022265

Ion Ratio Lower Upper

95 100

174 56.0 50.7 76.1

175 4.0 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

