

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021021\
 Data File : VL036337.D
 Acq On : 11 Feb 2021 3:52
 Operator : SY/AP
 Sample : M1343-06DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 11 06:14:21 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1666876	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3622418	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3307226	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2683003	9.86	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

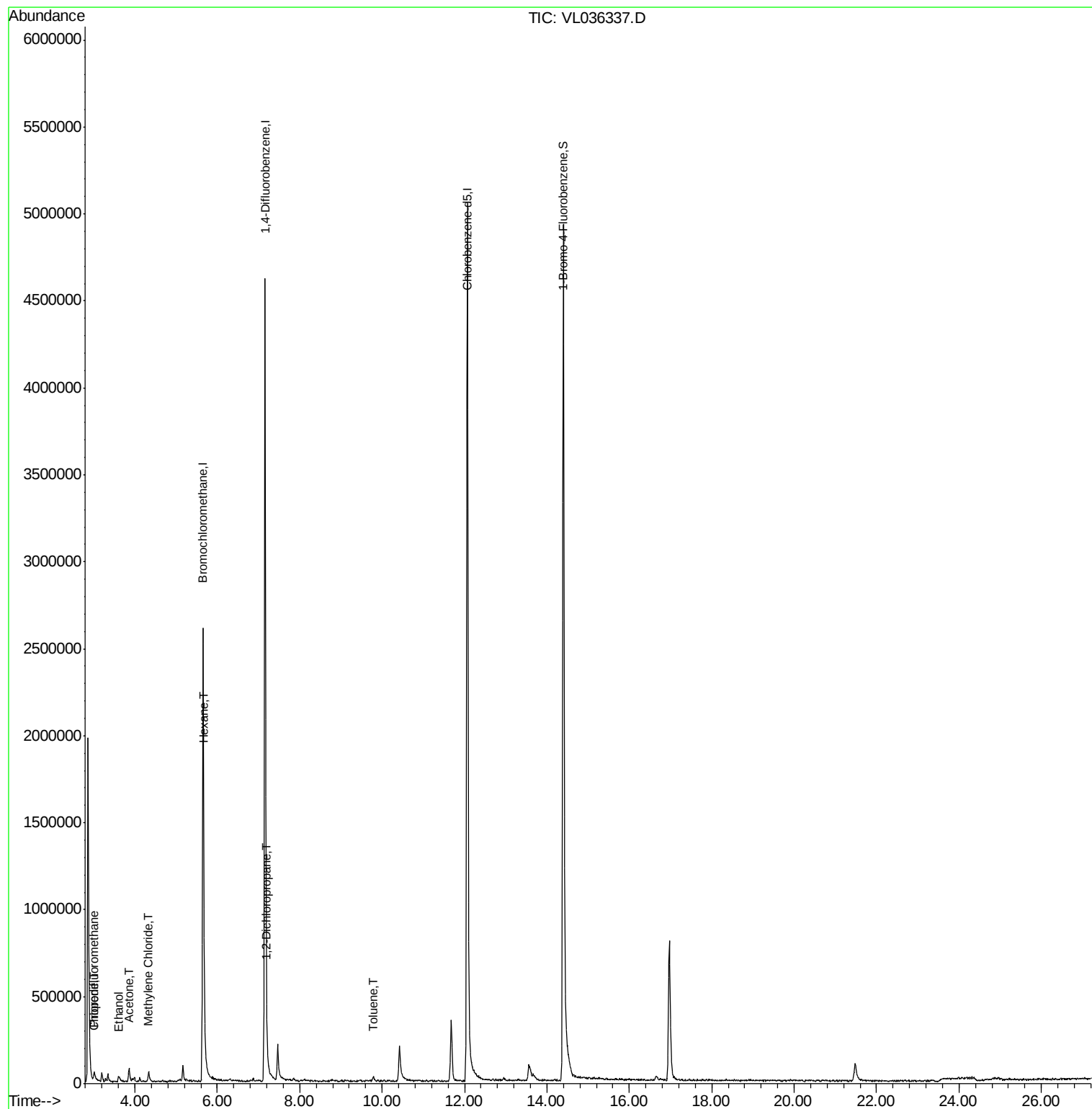
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	9470	0.046	ppbv	97
9) Propene	3.01	41	10902	0.141	ppbv #	57
13) Ethanol	3.61	45	29360	2.024	ppbv	90
15) Acetone	3.85	43	56296	0.276	ppbv #	50
20) Methylene Chloride	4.33	84	10576	0.161	ppbv	96
26) Hexane	5.67	57	16492	0.102	ppbv #	32
39) 1,2-Dichloropropane	7.21	63	15697	0.126	ppbv #	24
53) Toluene	9.79	91	15038	0.045	ppbv #	77

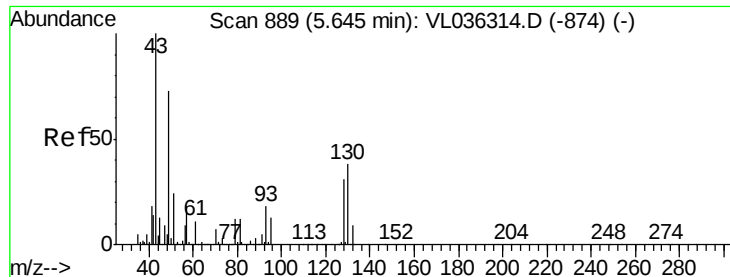
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. 0.00 min

Lab File: VL036337.D

Acq: 11 Feb 2021 3:52

Instrument :

MSVOA_L

ClientSampled :

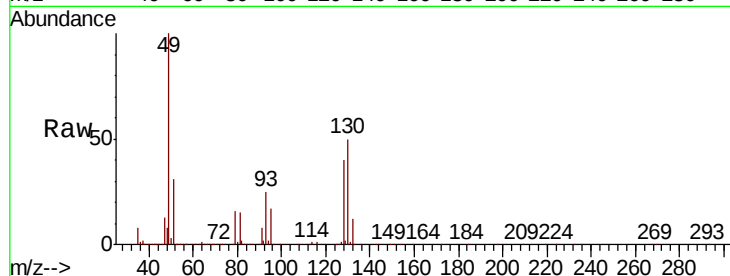
Tot Ion: 49 Resp: 1666876

Ion Ratio Lower Upper

49 100

128 41.7 20.8 62.5

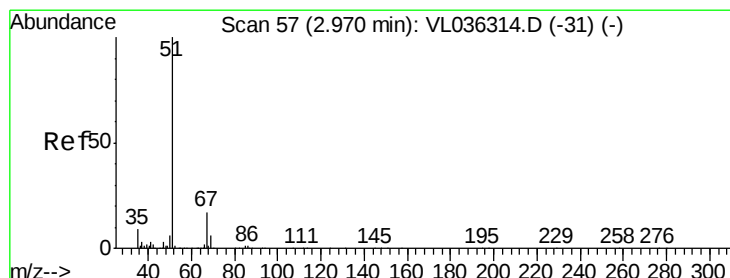
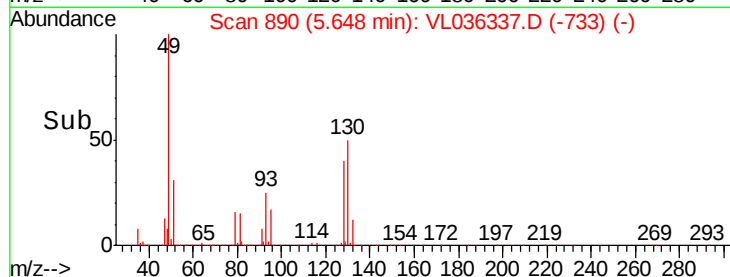
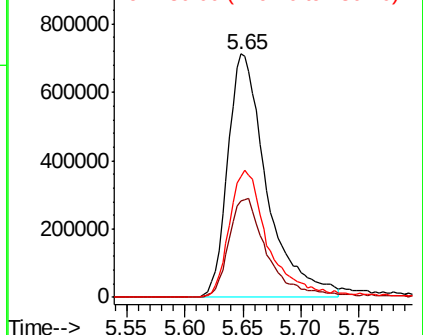
130 53.8 26.7 80.1



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: 0.046 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.02 min

Lab File: VL036337.D

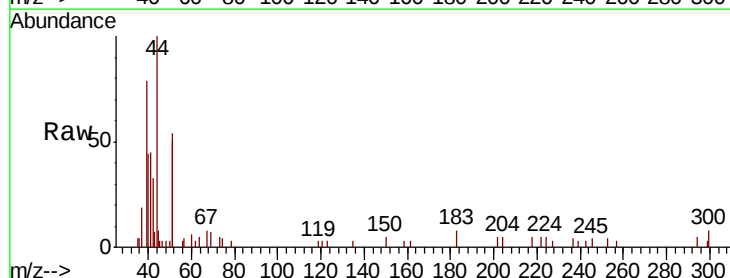
Acq: 11 Feb 2021 3:52

Tgt Ion: 51 Resp: 9470

Ion Ratio Lower Upper

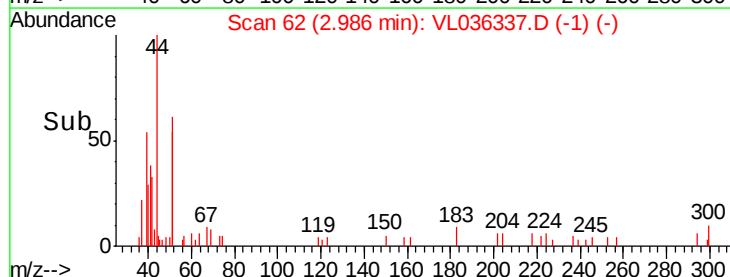
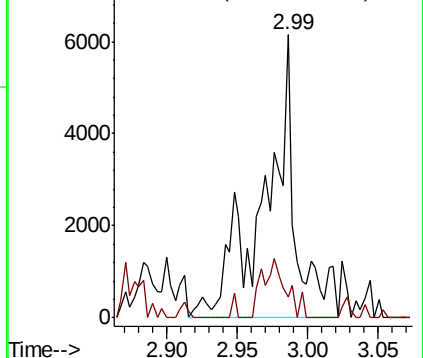
51 100

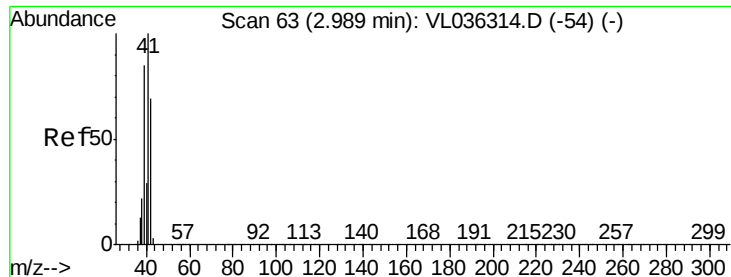
67 17.3 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.141 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.02 min

Lab File: VL036337.D

Acq: 11 Feb 2021 3:52

Instrument :

MSVOA_L

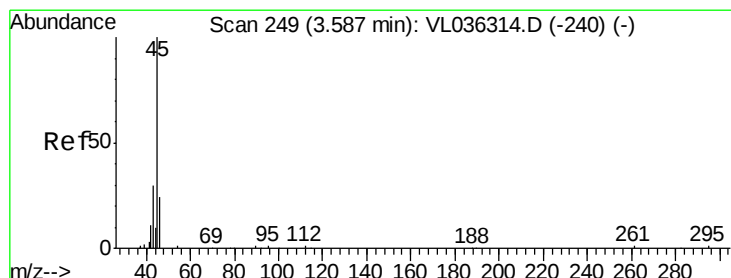
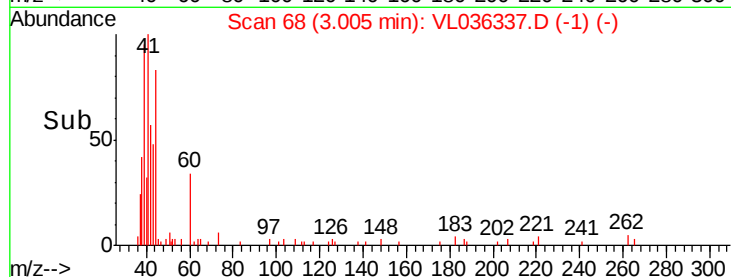
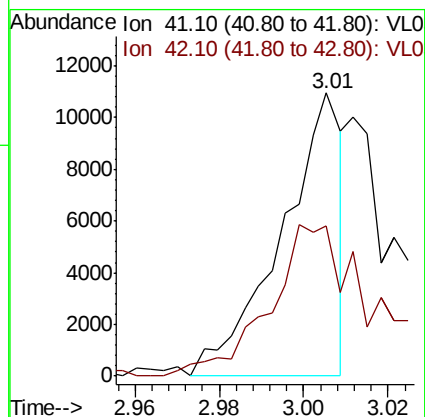
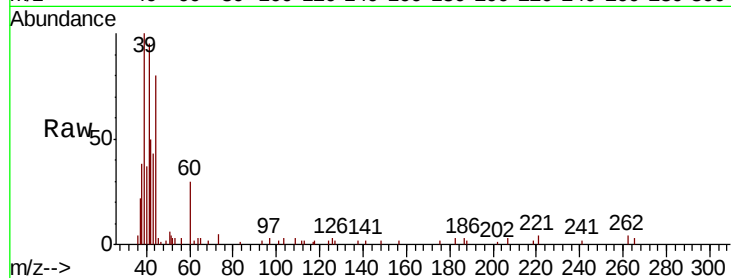
ClientSampled :

Tot Ion: 41 Resp: 10902

Ion Ratio Lower Upper

41 100

42 105.7 56.2 84.2#



#13

Ethanol

Concen: 2.024 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.02 min

Lab File: VL036337.D

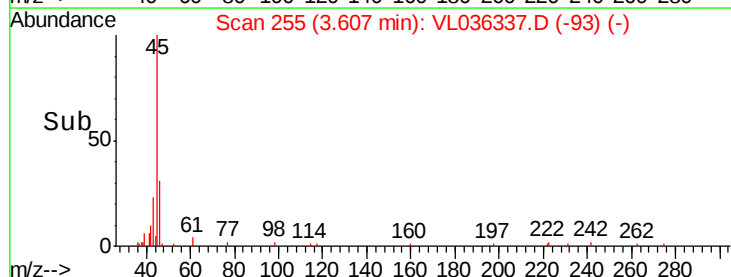
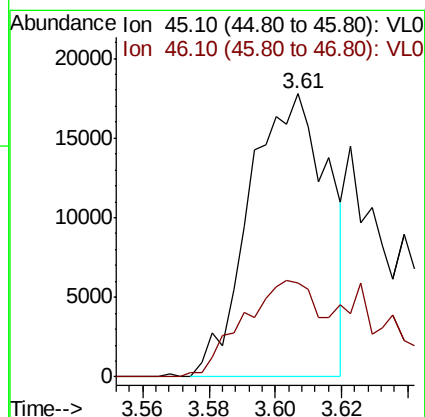
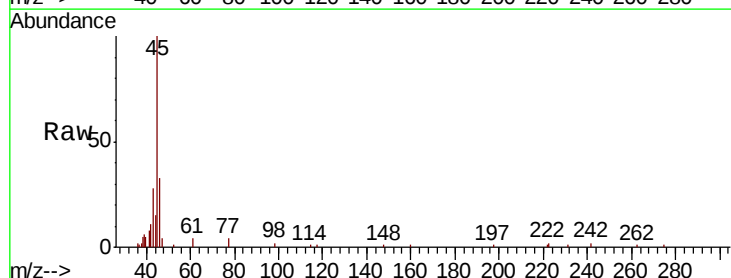
Acq: 11 Feb 2021 3:52

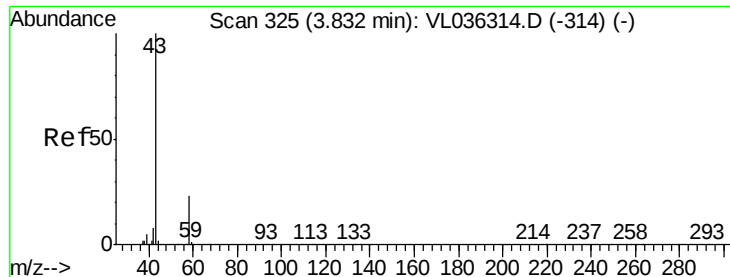
Tgt Ion: 45 Resp: 29360

Ion Ratio Lower Upper

45 100

46 50.5 17.7 70.7

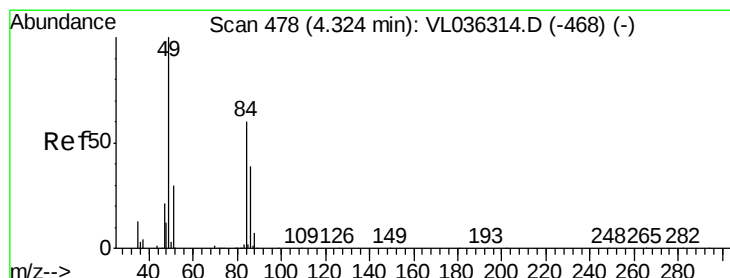
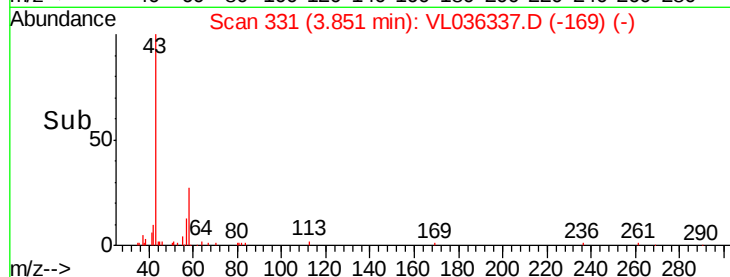
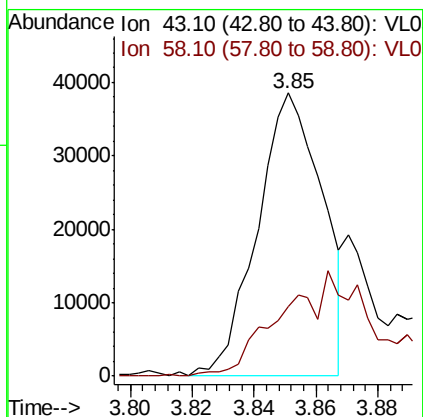
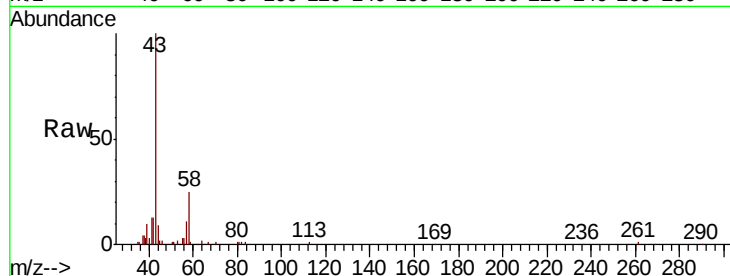




#15
Acetone
Concen: 0.276 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.02 min
Lab File: VL036337.D
Acq: 11 Feb 2021 3:52

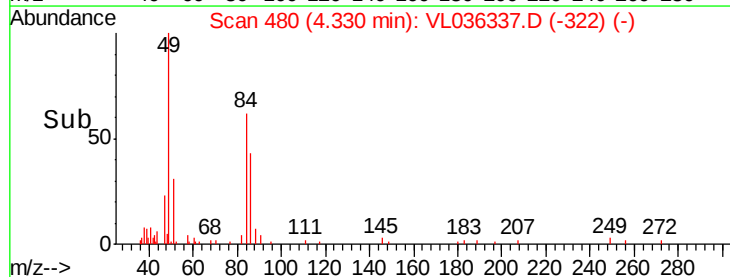
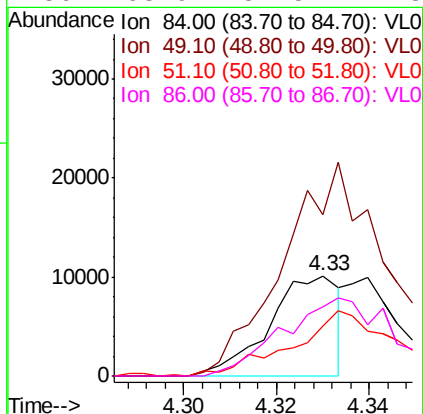
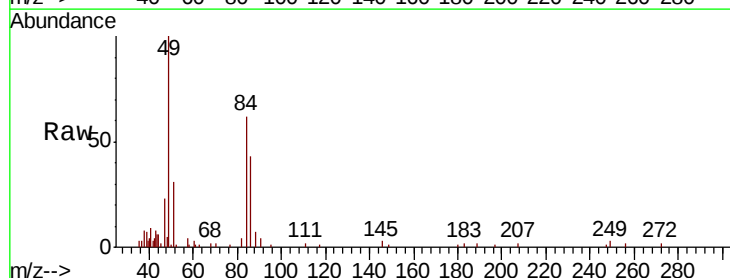
Instrument :
MSVOA_L
ClientSampleId :

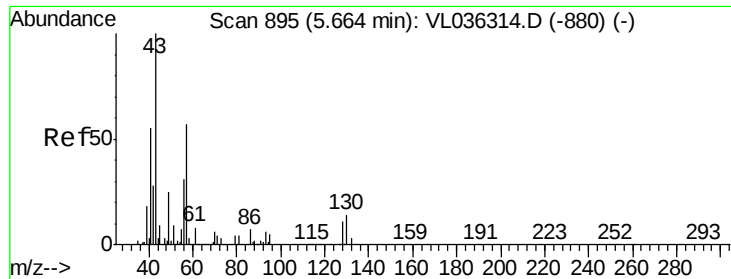
Tot Ion: 43 Resp: 56296
Ion Ratio Lower Upper
43 100
58 0.0 20.3 30.5#



#20
Methylene Chloride
Concen: 0.161 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.01 min
Lab File: VL036337.D
Acq: 11 Feb 2021 3:52

Tgt Ion: 84 Resp: 10576
Ion Ratio Lower Upper
84 100
49 161.9 133.8 200.8
51 49.6 41.4 62.0
86 68.9 51.5 77.3

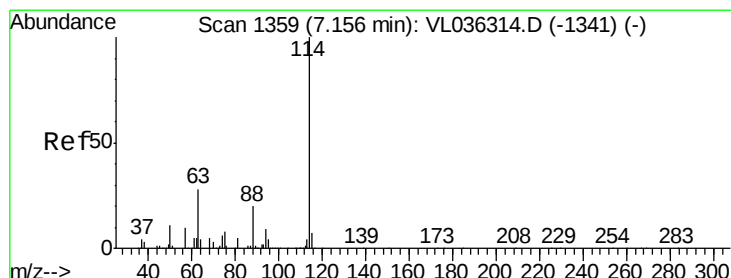
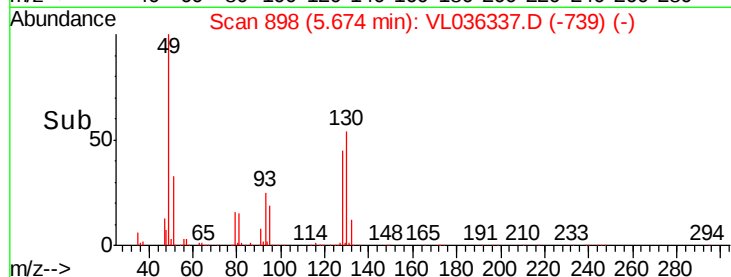
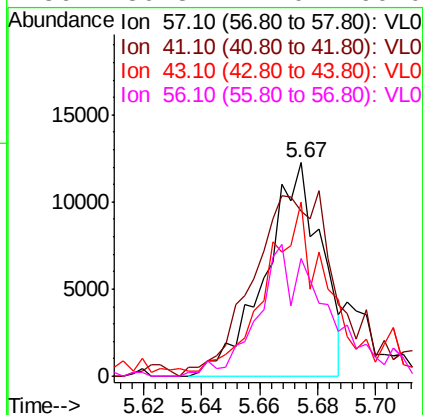
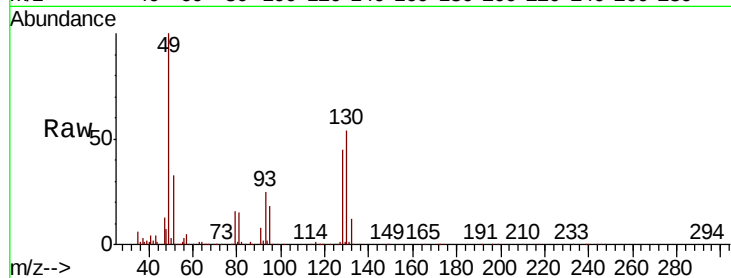




#26
Hexane
Concen: 0.102 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL036337.D
Acq: 11 Feb 2021 3:52

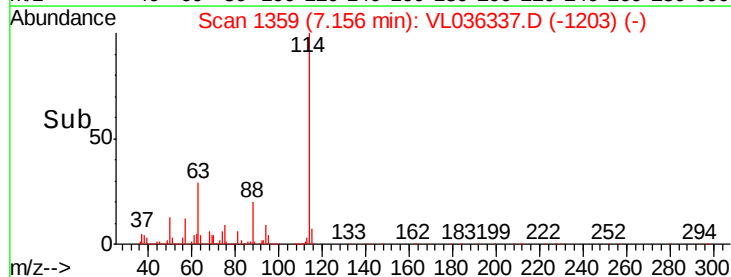
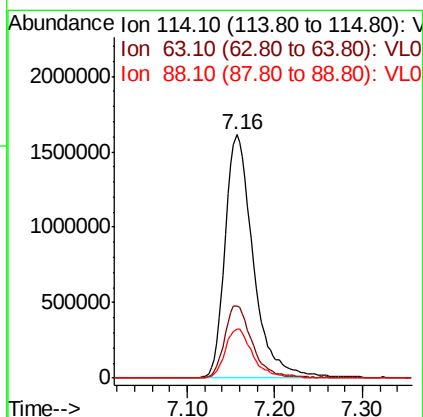
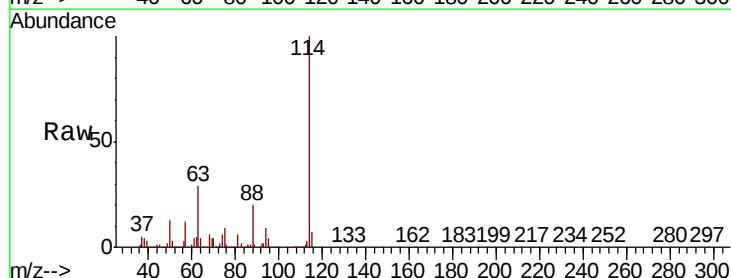
Instrument :
MSVOA_L
ClientSampleId :

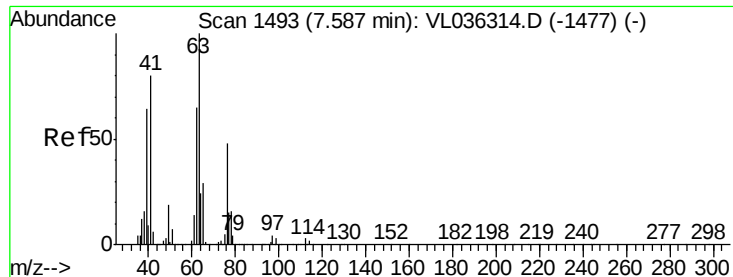
Tot Ion: 57 Resp: 16492
Ion Ratio Lower Upper
57 100
41 143.2 81.7 122.5#
43 98.2 199.1 298.7#
56 80.8 44.0 66.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VL036337.D
Acq: 11 Feb 2021 3:52

Tgt Ion:114 Resp: 3622418
Ion Ratio Lower Upper
114 100
63 29.8 24.1 36.1
88 19.9 16.0 24.0





#39

1,2-Dichloropropane

Concen: 0.126 ppbv

RT: 7.21 min Scan# 1375

Delta R.T. -0.38 min

Lab File: VL036337.D

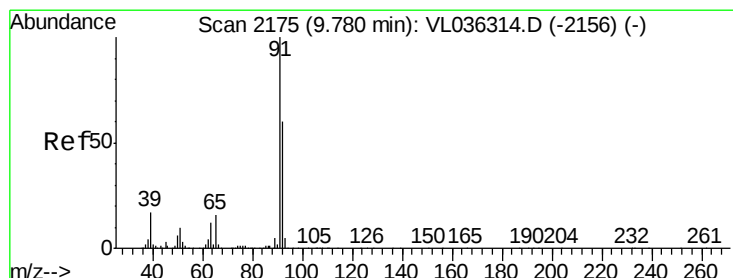
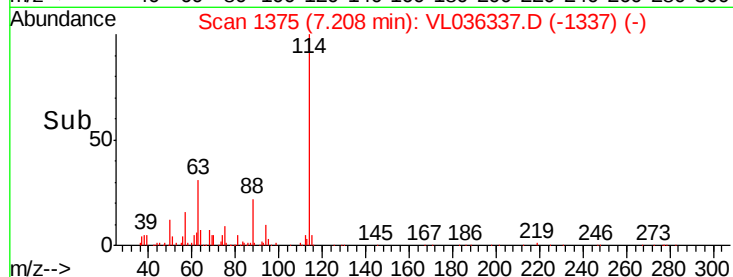
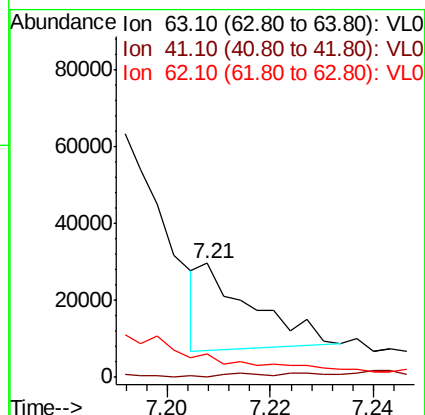
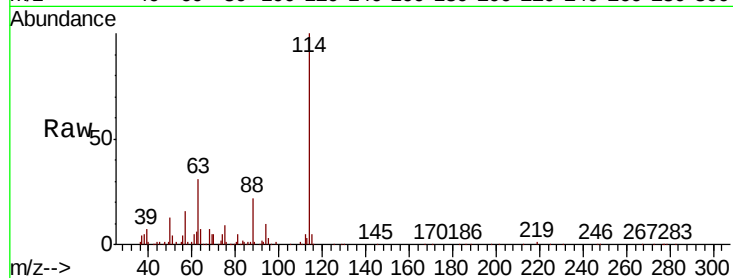
Acq: 11 Feb 2021 3:52

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	63	Resp:	15697
Ion Ratio	Lower	Upper	
63	100		
41	0.0	63.8	95.6#
62	18.7	52.3	78.5#



#53

Toluene

Concen: 0.045 ppbv

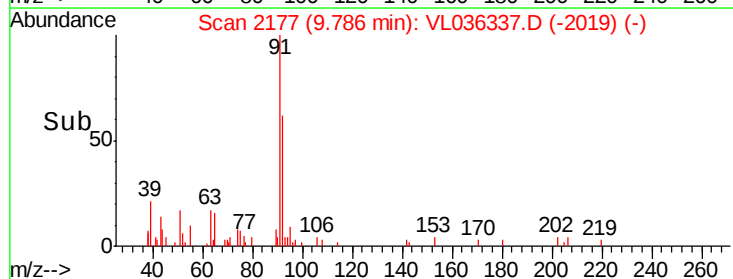
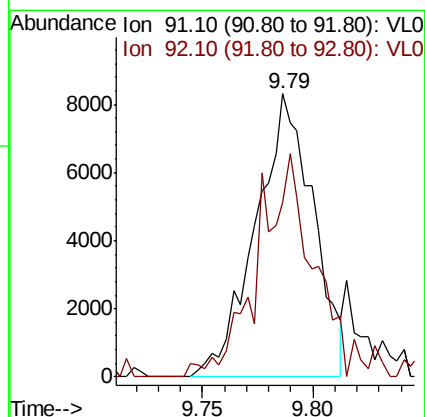
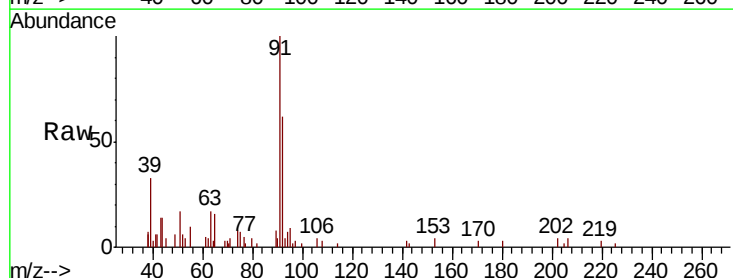
RT: 9.79 min Scan# 2177

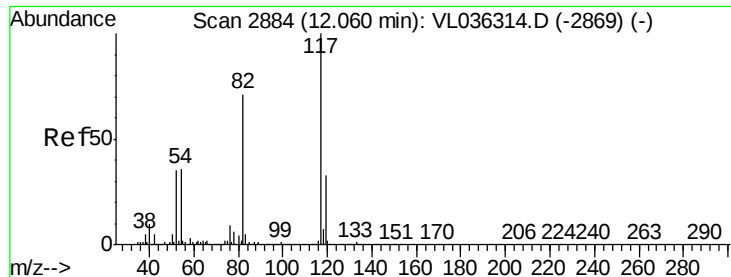
Delta R.T. 0.01 min

Lab File: VL036337.D

Acq: 11 Feb 2021 3:52

Tgt Ion:	91	Resp:	15038
Ion Ratio	Lower	Upper	
91	100		
92	78.6	48.6	72.8#

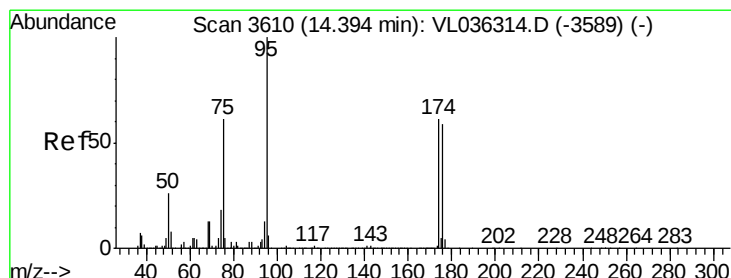
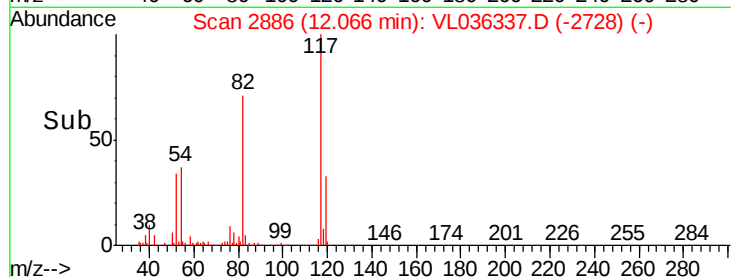
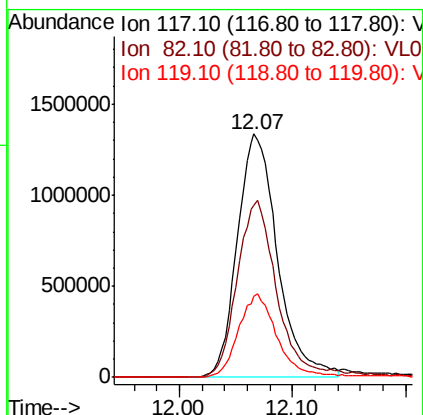
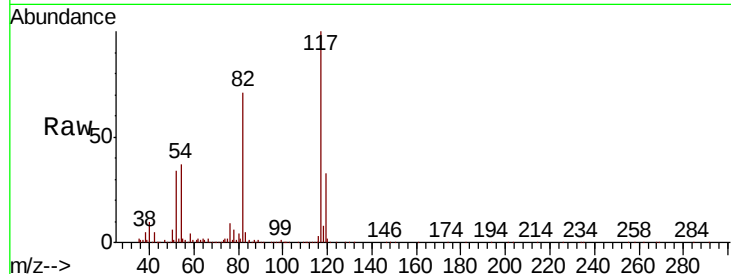




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. 0.01 min
Lab File: VL036337.D
Acq: 11 Feb 2021 3:52

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3307226
Ion Ratio Lower Upper
117 100
82 74.7 59.1 88.7
119 34.1 46.3 69.5#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.860 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. 0.00 min
Lab File: VL036337.D
Acq: 11 Feb 2021 3:52

Tgt Ion: 95 Resp: 2683003
Ion Ratio Lower Upper
95 100
174 63.7 49.8 74.6
175 4.4 3.7 5.5

