

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021021\
 Data File : VL036335.D
 Acq On : 11 Feb 2021 2:33
 Operator : SY/AP
 Sample : M1343-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-5BDL

Quant Time: Feb 11 21:13:25 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	1676776	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3658372	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3329140	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2767996	10.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

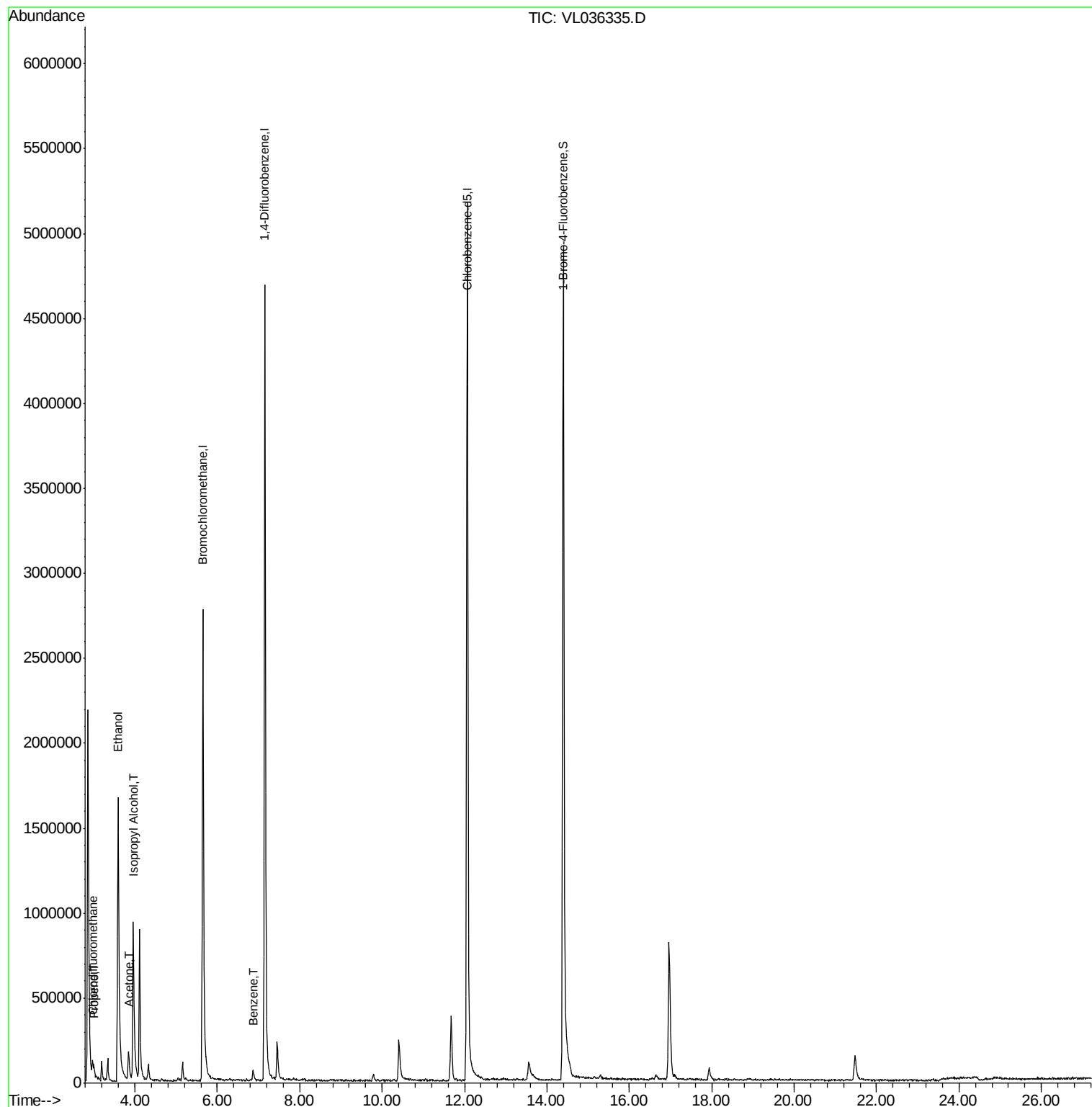
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.97	51	148714	0.714	ppbv	92
9) Propene	3.01	41	23892	0.308	ppbv	89
13) Ethanol	3.59	45	2473496	169.533	ppbv	89
15) Acetone	3.84	43	195462	0.954	ppbv #	84
19) Isopropyl Alcohol	3.95	45	1394088m	12.277	ppbv	
36) Benzene	6.87	78	47367	0.152	ppbv #	90

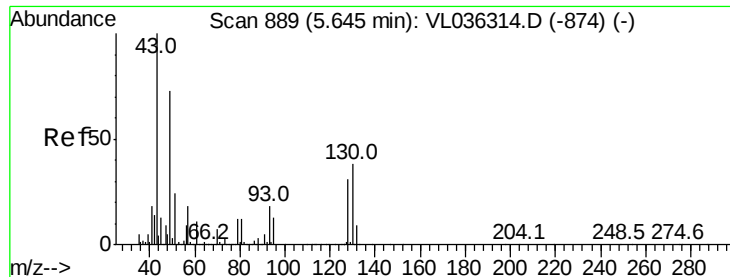
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 889

Delta R.T. 0.00 min

Lab File: VL036335.D

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Instrument :

MSVOA_L

ClientSampleId :

SR-5BDL

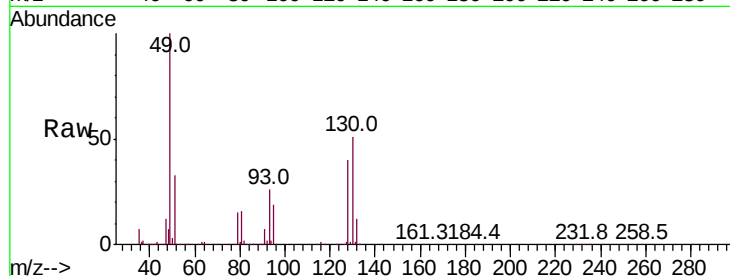
Tot Ion: 49 Resp: 1676776

Ion Ratio Lower Upper

49 100

128 42.0 20.8 62.5

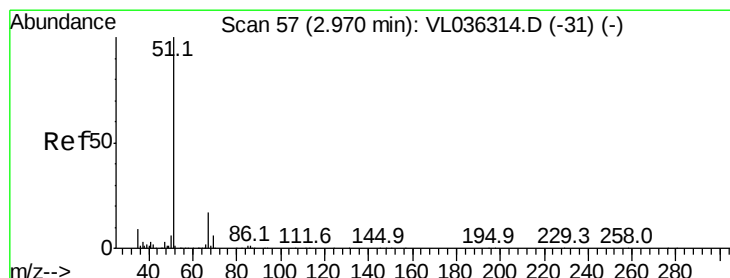
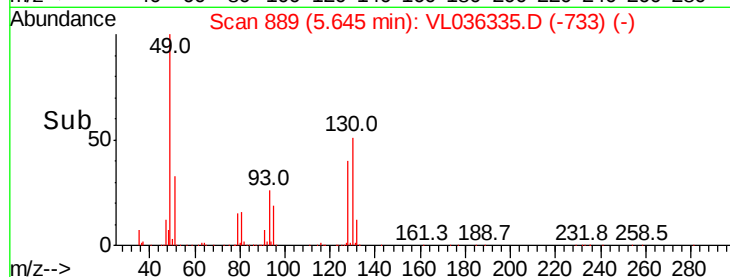
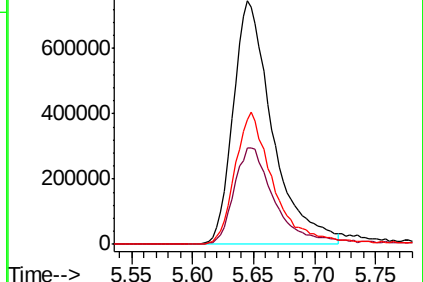
130 54.5 26.7 80.1



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: 0.714 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.00 min

Lab File: VL036335.D

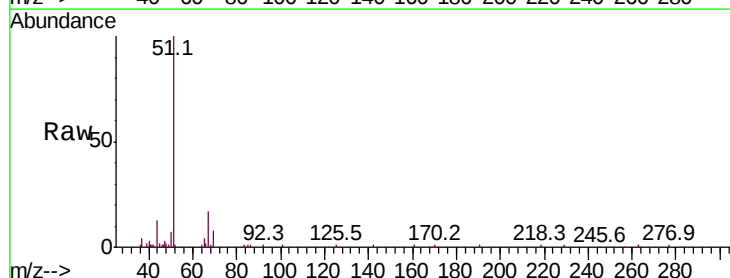
Acq: 11 Feb 2021 2:33

Tgt Ion: 51 Resp: 148714

Ion Ratio Lower Upper

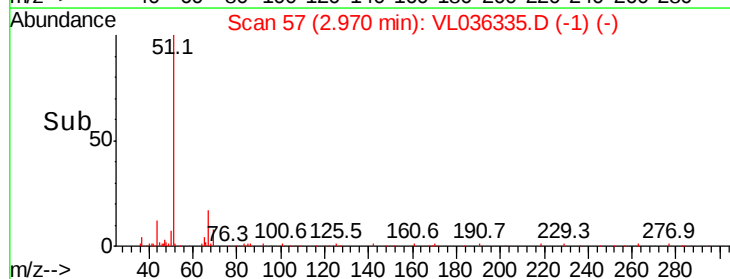
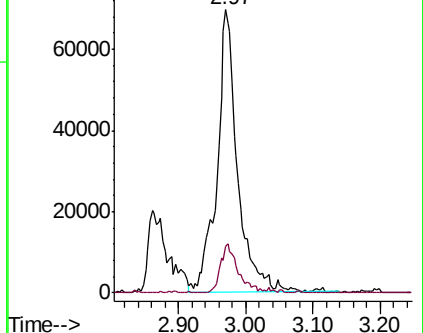
51 100

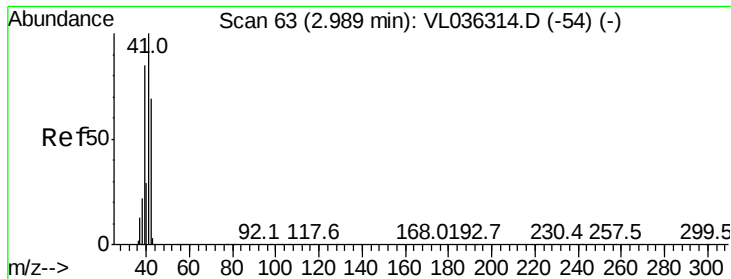
67 14.9 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.308 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.02 min

Lab File: VL036335.D

Acq: 11 Feb 2021 2:33

Instrument :

MSVOA_L

ClientSampleId :

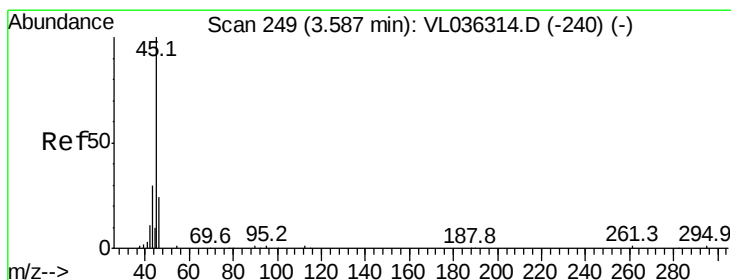
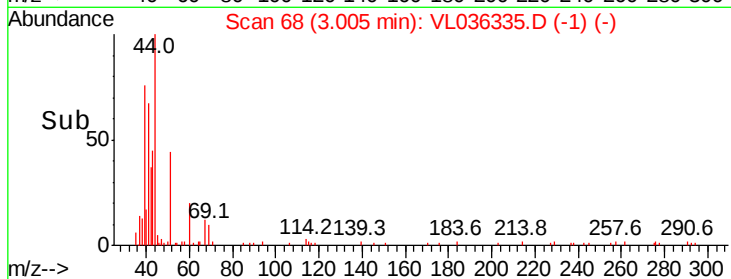
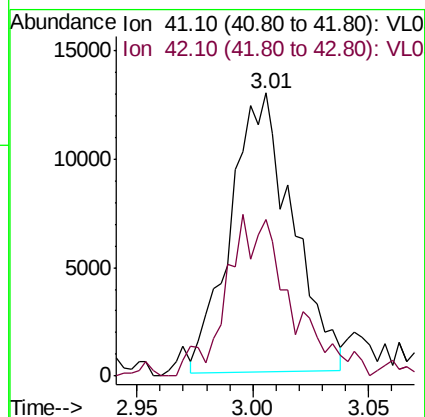
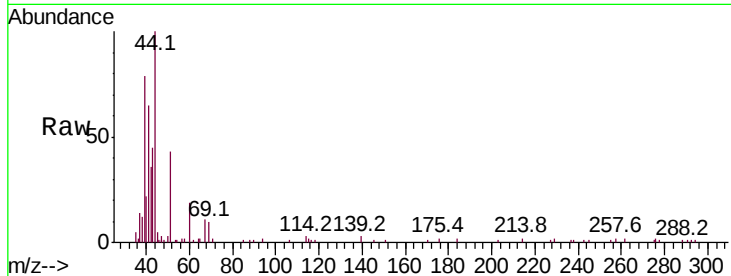
SR-5BDL

Tot Ion: 41 Resp: 23892

Ion Ratio Lower Upper

41 100

42 61.2 56.2 84.2



#13

Ethanol

Concen: 169.533 ppbv

RT: 3.59 min Scan# 250

Delta R.T. 0.00 min

Lab File: VL036335.D

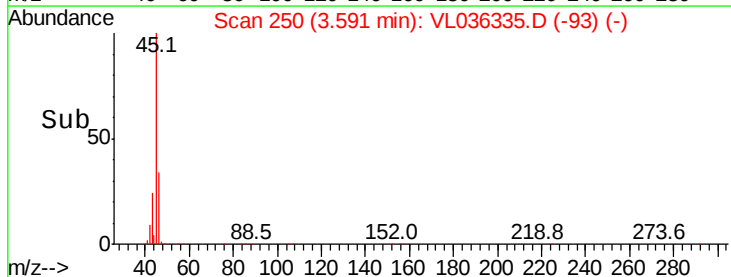
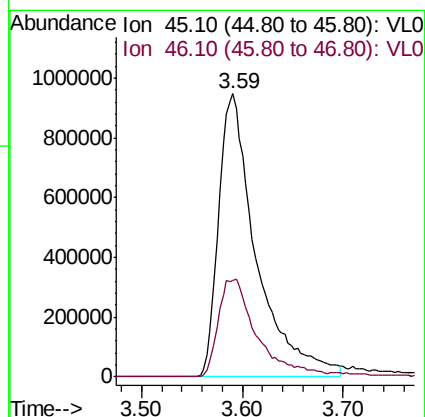
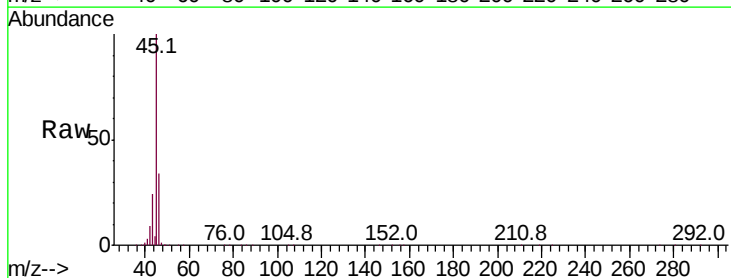
Acq: 11 Feb 2021 2:33

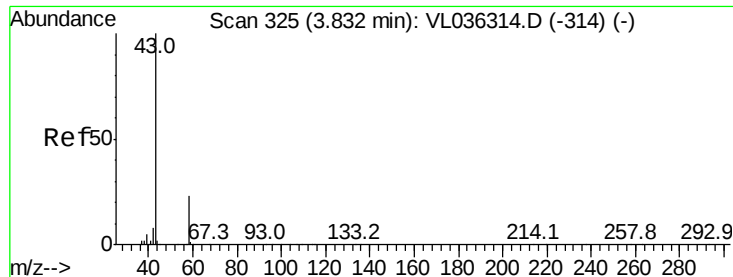
Tgt Ion: 45 Resp: 2473496

Ion Ratio Lower Upper

45 100

46 37.2 17.7 70.7





#15

Acetone

Concen: 0.954 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.01 min

Lab File: VL036335.D

Acq: 11 Feb 2021 2:33

Instrument :

MSVOA_L

ClientSampleId :

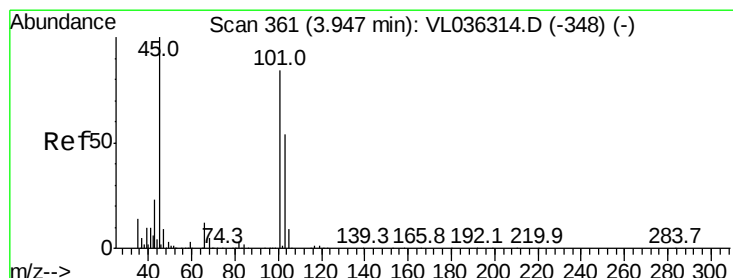
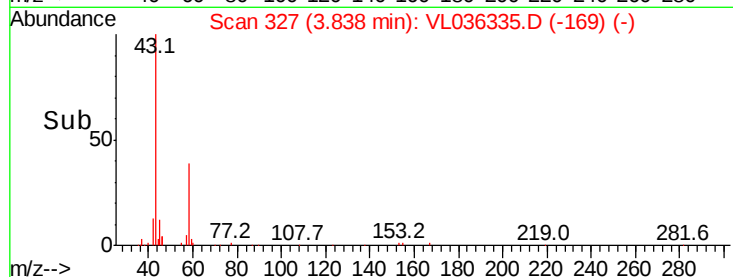
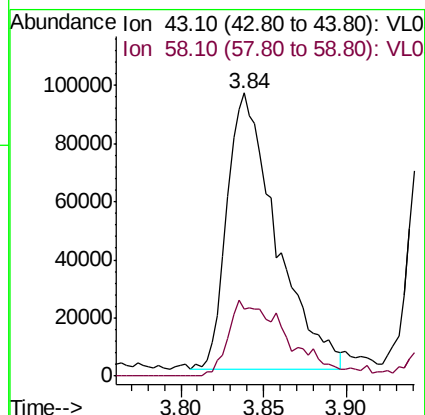
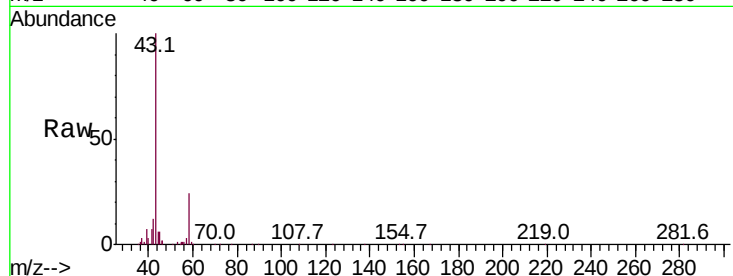
SR-5BDL

Tot Ion: 43 Resp: 195462

Ion Ratio Lower Upper

43 100

58 33.4 20.3 30.5#



#19

Isopropyl Alcohol

Concen: 12.277 ppbv m

RT: 3.95 min Scan# 363

Delta R.T. 0.01 min

Lab File: VL036335.D

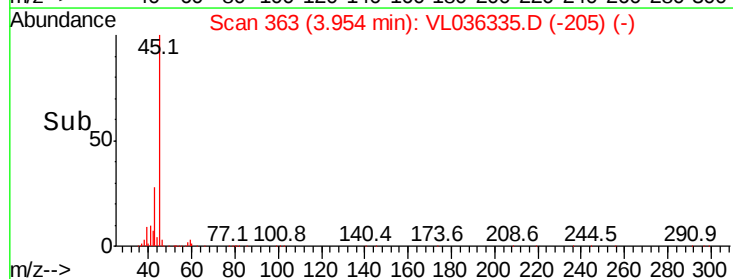
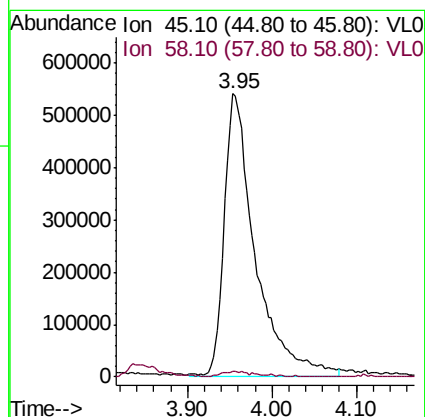
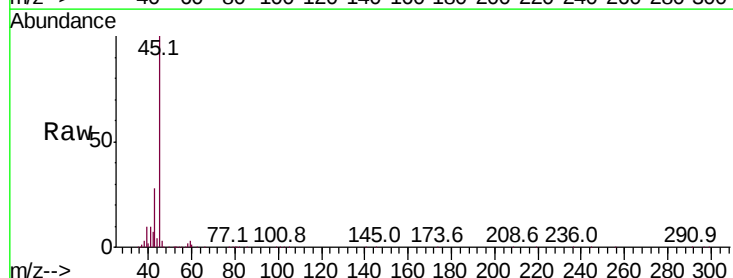
Acq: 11 Feb 2021 2:33

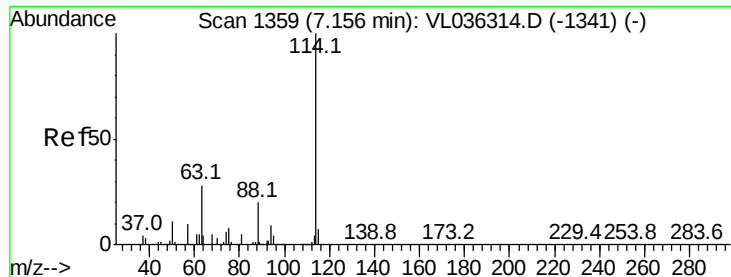
Tgt Ion: 45 Resp: 1394088

Ion Ratio Lower Upper

45 100

58 0.0 1.9 2.9#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.00 min

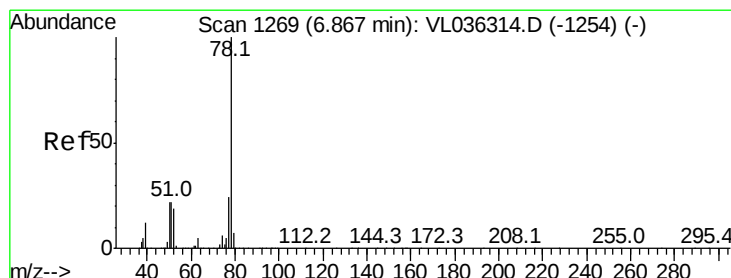
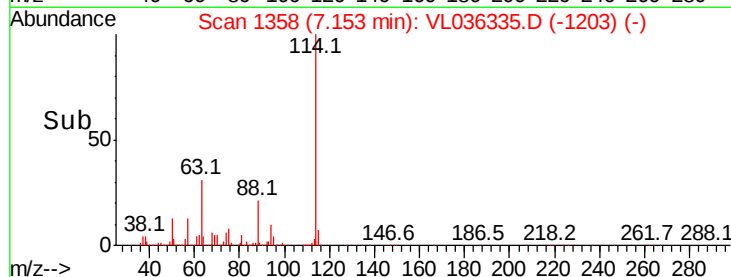
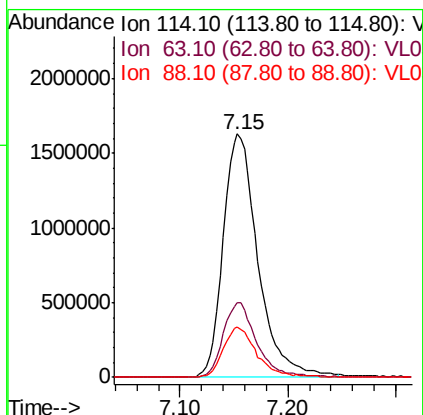
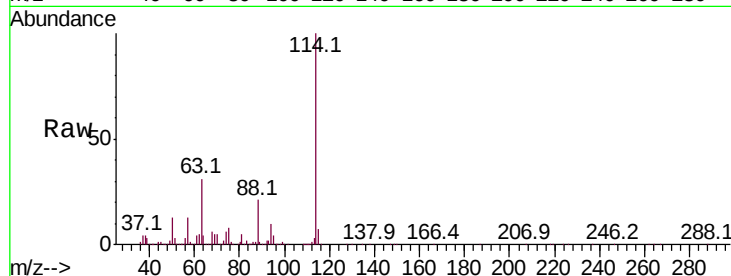
Lab File: VL036335.D

Acq: 11 Feb 2021 2:33

Instrument :
MSVOA_L
ClientSampleId :
SR-5BDL

Tot Ion:114 Resp: 3658372

Ion	Ratio	Lower	Upper
114	100		
63	30.0	24.1	36.1
88	20.1	16.0	24.0



#36

Benzene

Concen: 0.152 ppbv

RT: 6.87 min Scan# 1269

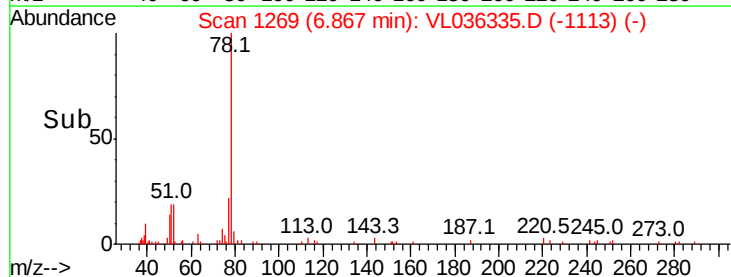
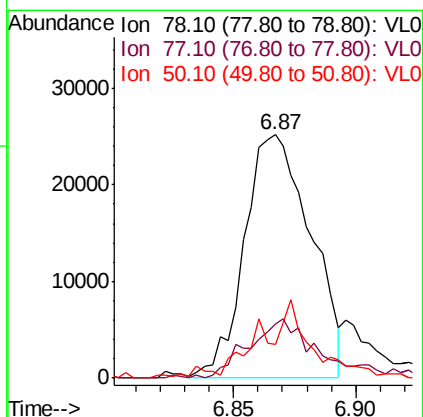
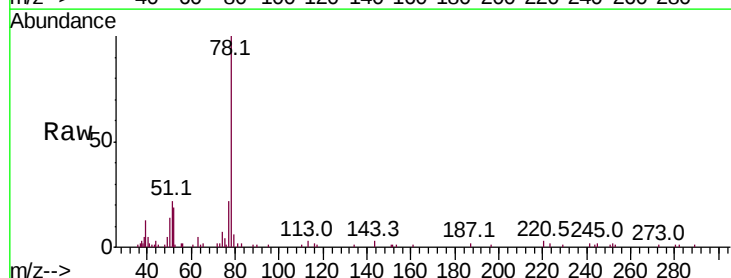
Delta R.T. 0.00 min

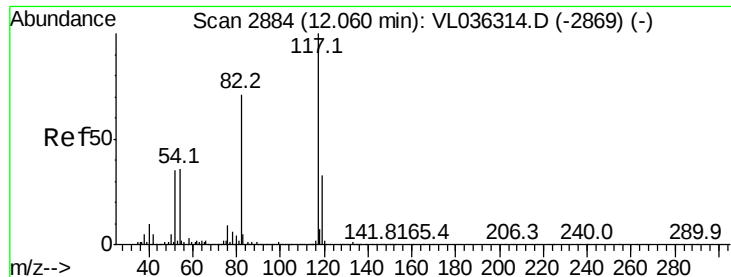
Lab File: VL036335.D

Acq: 11 Feb 2021 2:33

Tgt Ion: 78 Resp: 47367

Ion	Ratio	Lower	Upper
78	100		
77	22.4	18.9	28.3
50	13.1	17.3	25.9#

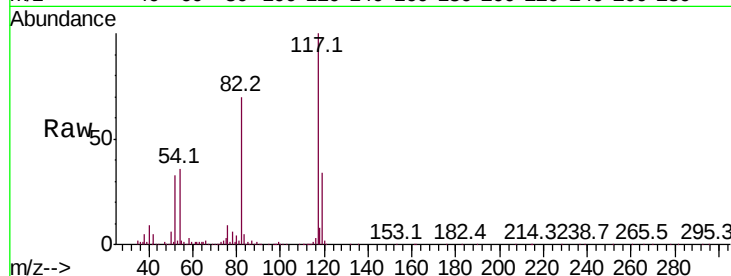




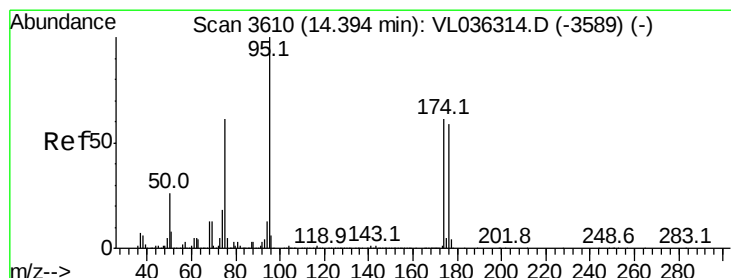
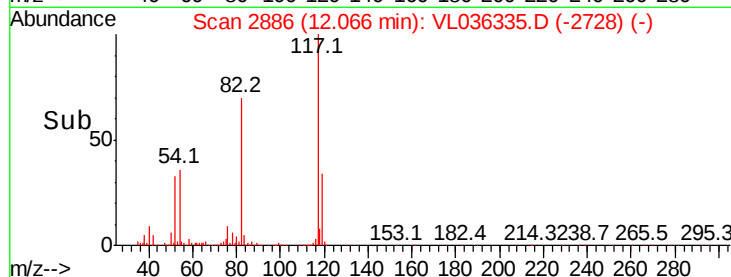
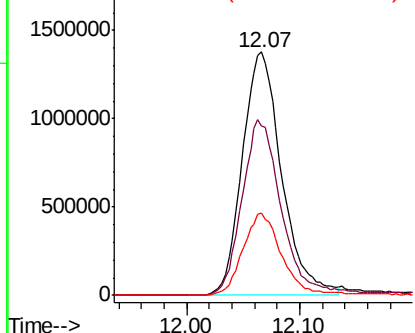
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. 0.01 min
Lab File: VL036335.D
Acq: 11 Feb 2021 2:33

Instrument :
MSVOA_L
ClientSampleId :
SR-5BDL

Tot Ion:117 Resp: 3329140
Ion Ratio Lower Upper
117 100
82 74.5 59.1 88.7
119 34.2 46.3 69.5#

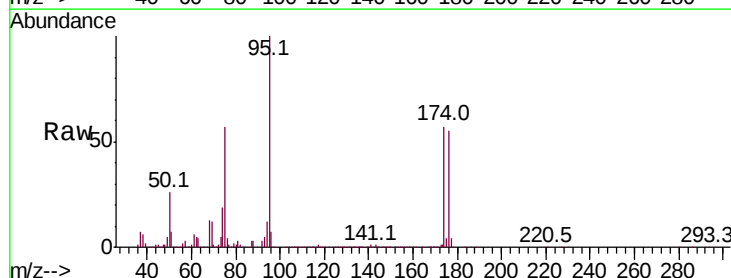


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.105 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. 0.00 min
Lab File: VL036335.D
Acq: 11 Feb 2021 2:33

Tgt Ion: 95 Resp: 2767996
Ion Ratio Lower Upper
95 100
174 62.7 49.8 74.6
175 4.5 3.7 5.5



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

