

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 :

Quant Time: Feb 11 06:13:39 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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%

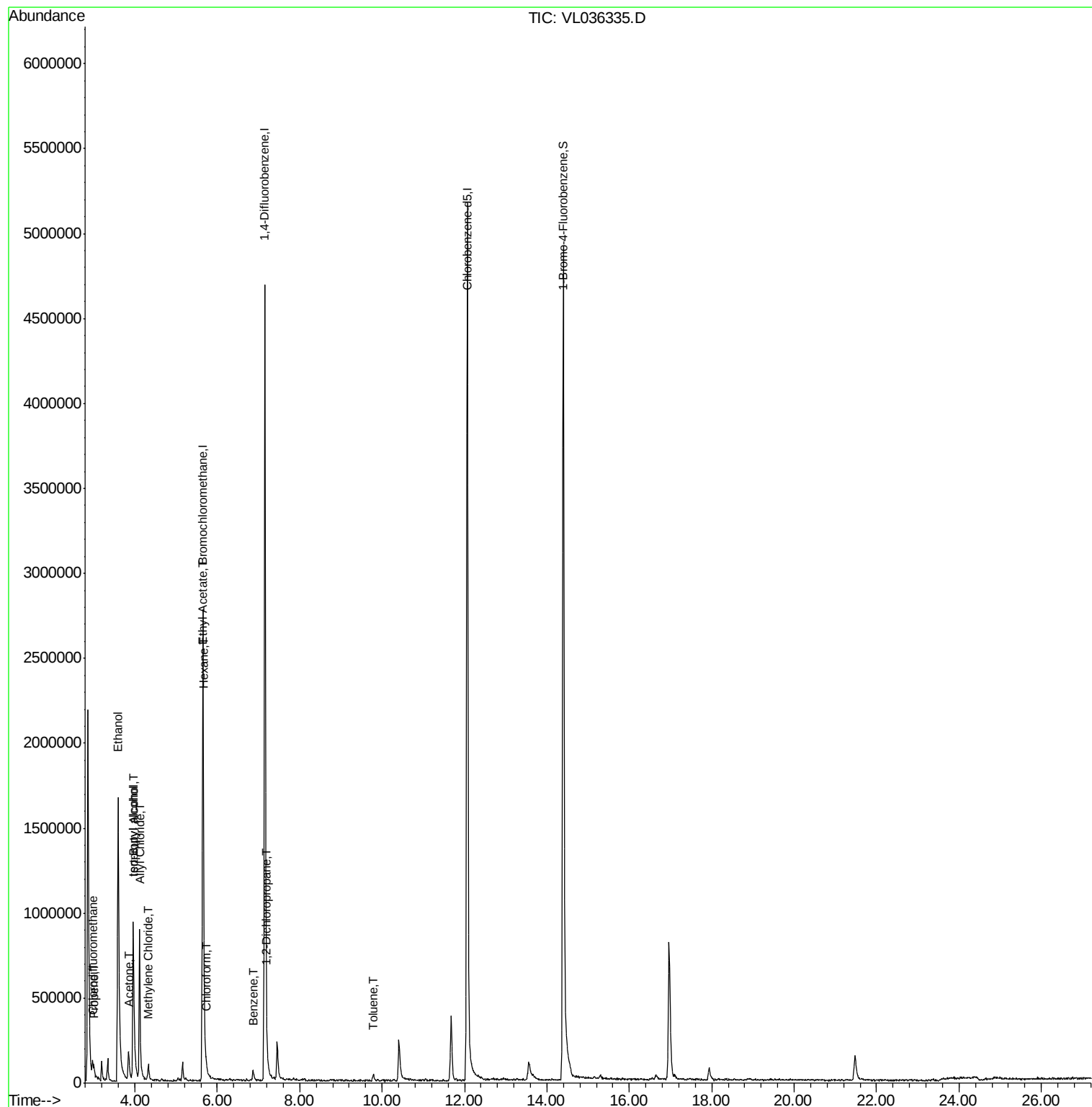
Target Compounds					Ovalue
3) Chlorodifluoromethane	2.97	51	148714	0.714 ppbv	92
9) Propene	3.01	41	23892	0.308 ppbv	89
13) Ethanol	3.59	45	2473496	169.533 ppbv	89
15) Acetone	3.84	43	195462	0.954 ppbv #	84
17) tert-Butyl alcohol	3.96	59	36425	0.229 ppbv	95
19) Isopropyl Alcohol	3.95	45	1324818	11.667 ppbv	99
20) Methylene Chloride	4.33	84	34212	0.517 ppbv #	92
21) Allyl Chloride	4.11	41	304623	2.669 ppbv #	53
25) Ethyl Acetate	5.66	43	33055	0.084 ppbv #	80
26) Hexane	5.67	57	19249	0.118 ppbv #	36
29) Chloroform	5.73	83	11085	0.042 ppbv	98
36) Benzene	6.87	78	47367	0.152 ppbv #	90
39) 1,2-Dichloropropane	7.20	63	12966	0.103 ppbv #	23
53) Toluene	9.79	91	14321	0.043 ppbv #	58

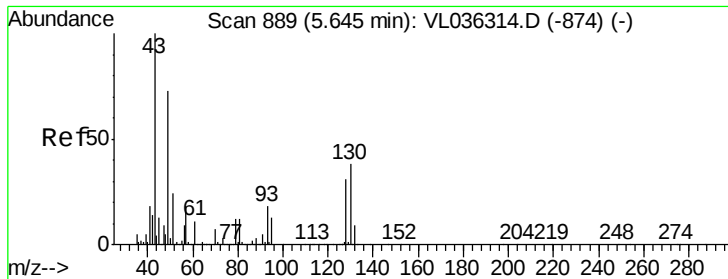
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL021021\
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Quant Time: Feb 11 06:13:39 2021
Quant Method : Z:\V0ASRV\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



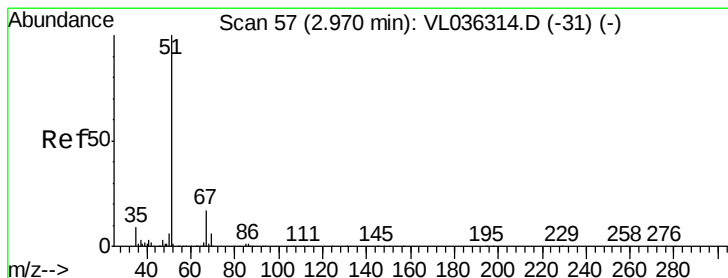
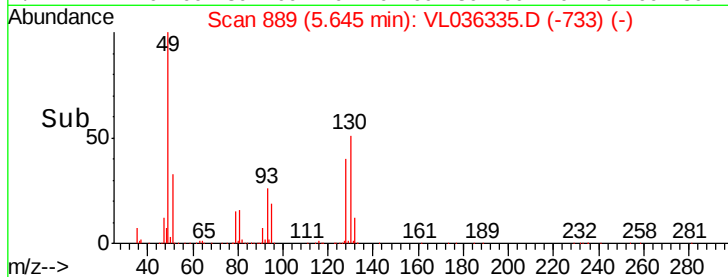
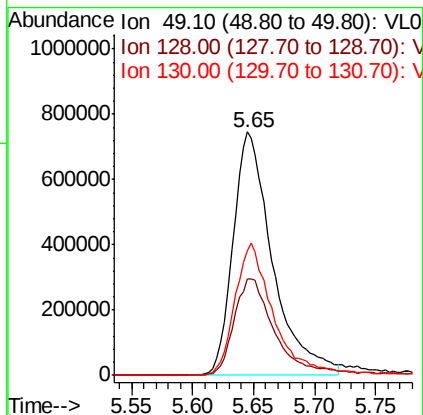
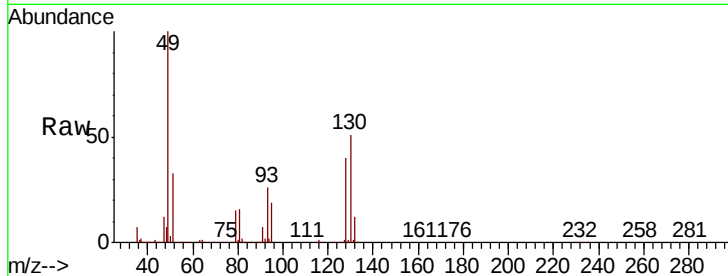


#1

Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 889
 Delta R.T. 0.00 min
 Lab File: VL036335.D
 Acq: 11 Feb 2021 2:33

Instrument :
 MSVOA_L
 ClientSampleId :

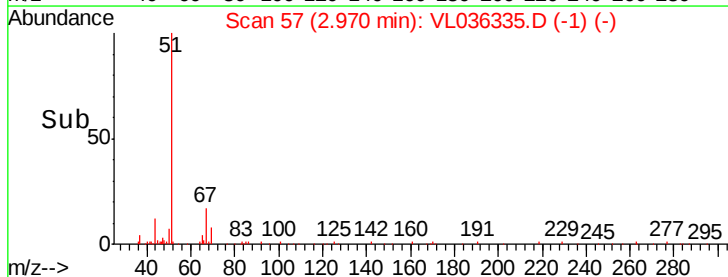
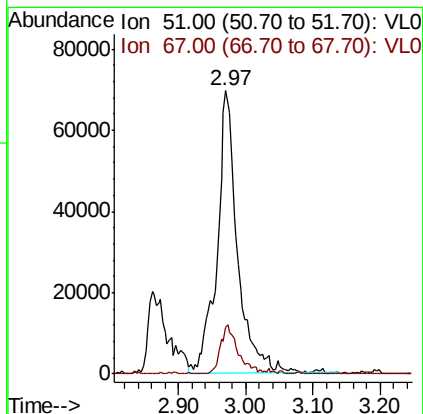
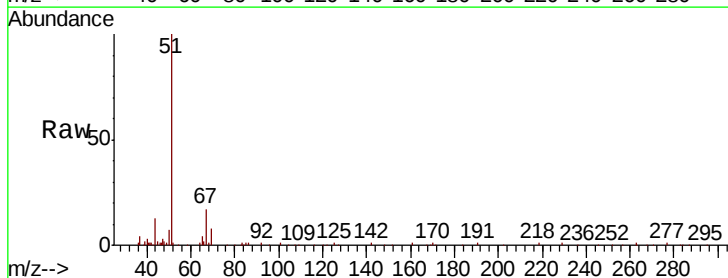
Tot Ion: 49 Resp: 1676776
 Ion Ratio Lower Upper
 49 100
 128 42.0 20.8 62.5
 130 54.5 26.7 80.1

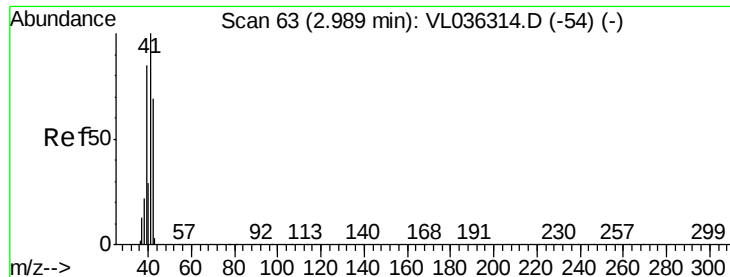


#3

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





#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

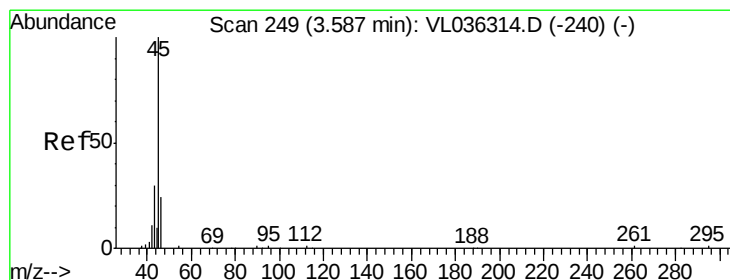
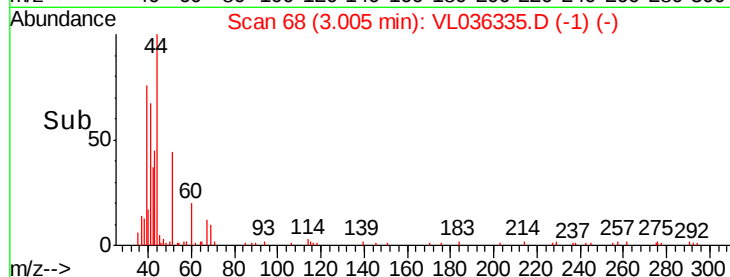
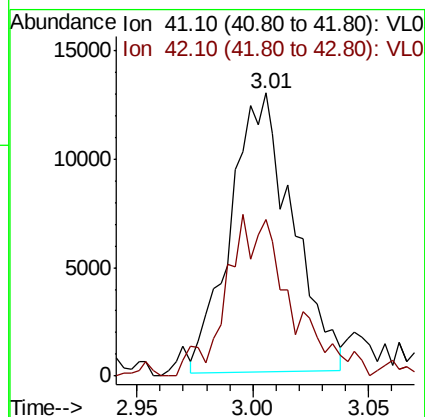
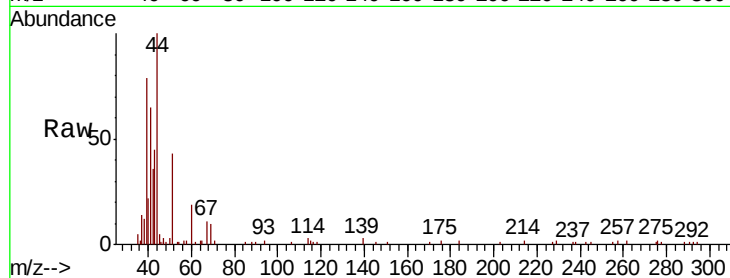
ClientSampleId :

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

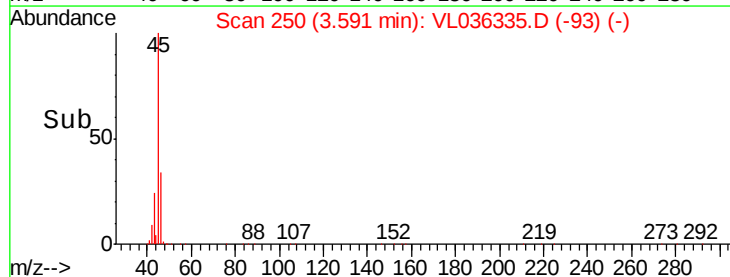
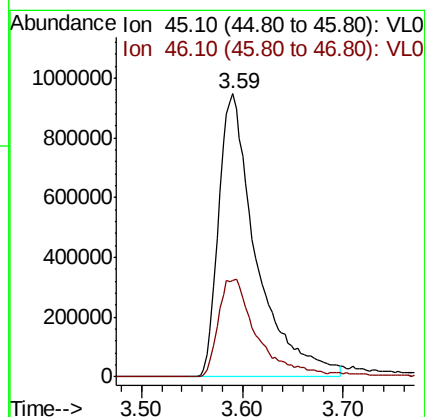
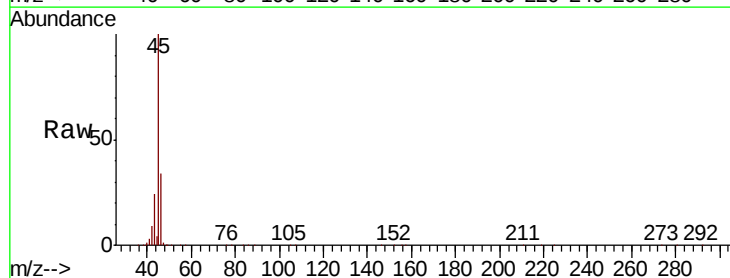
Acq: 11 Feb 2021 2:33

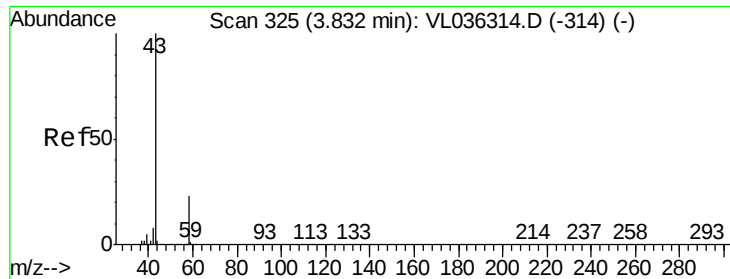
Tgt Ion: 45 Resp: 2473496

Ion Ratio Lower Upper

45 100

46 37.2 17.7 70.7

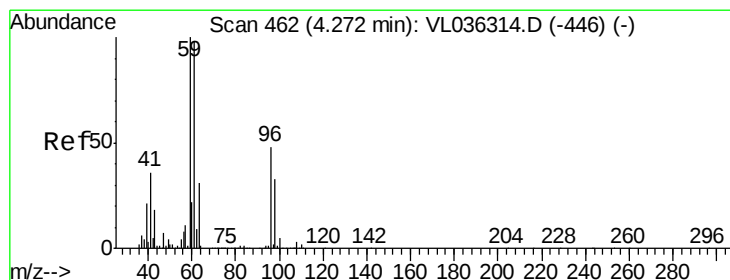
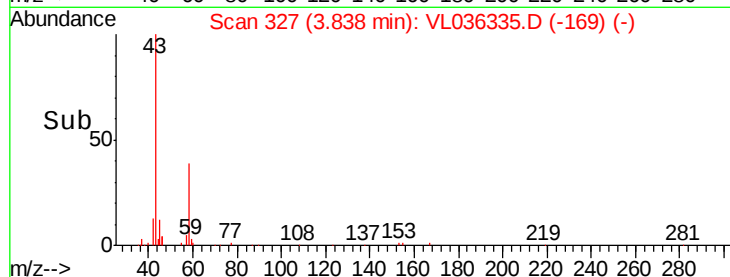
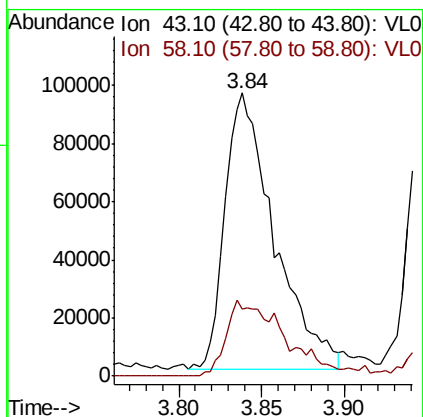
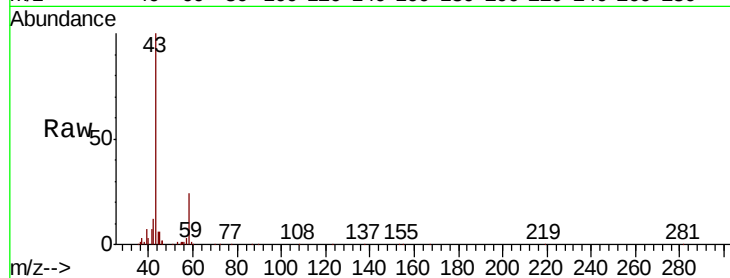




#15
Acetone
Concen: 0.954 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.01 min
Lab File: VL036335.D
Acq: 11 Feb 2021 2:33

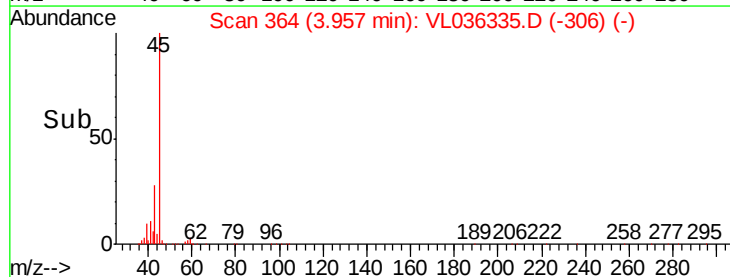
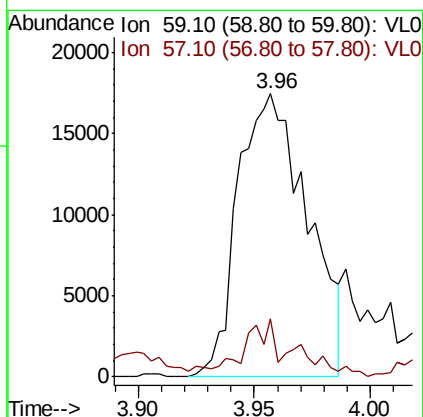
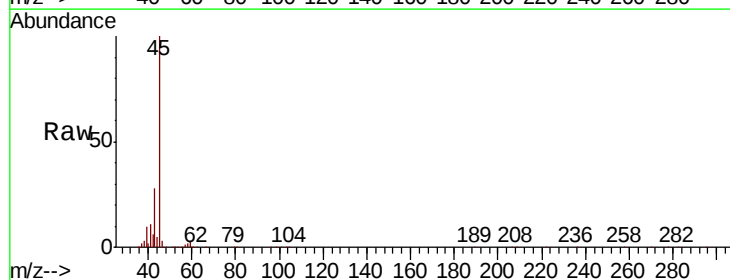
Instrument :
MSVOA_L
ClientSampled :

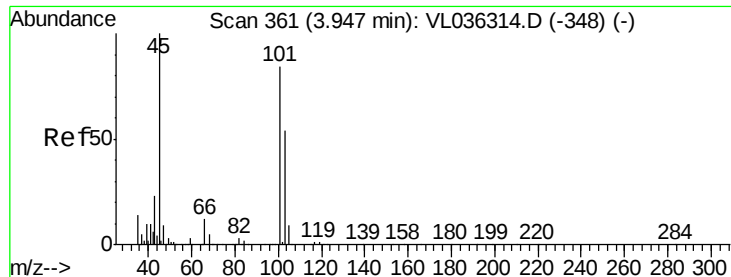
Tot Ion: 43 Resp: 195462
Ion Ratio Lower Upper
43 100
58 33.4 20.3 30.5#



#17
tert-Butyl alcohol
Concen: 0.229 ppbv
RT: 3.96 min Scan# 364
Delta R.T. -0.32 min
Lab File: VL036335.D
Acq: 11 Feb 2021 2:33

Tgt Ion: 59 Resp: 36425
Ion Ratio Lower Upper
59 100
57 13.1 9.0 13.4

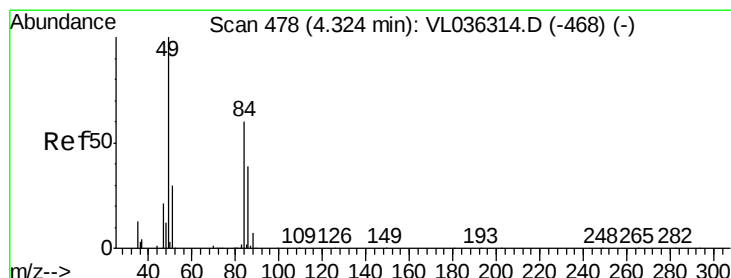
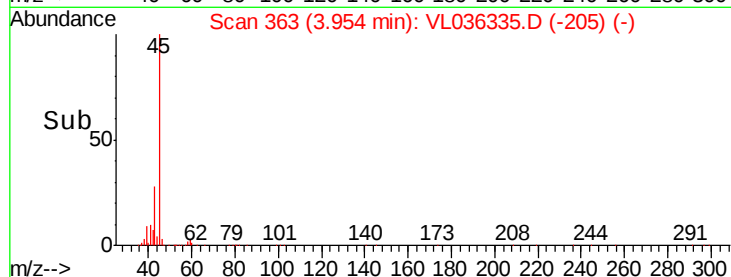
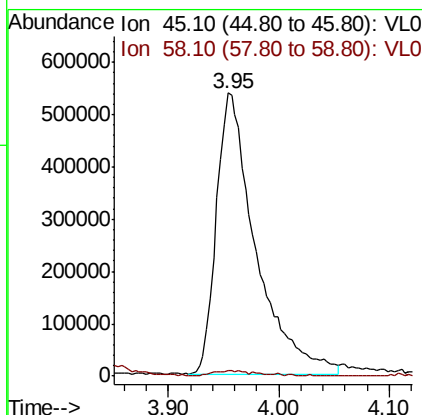
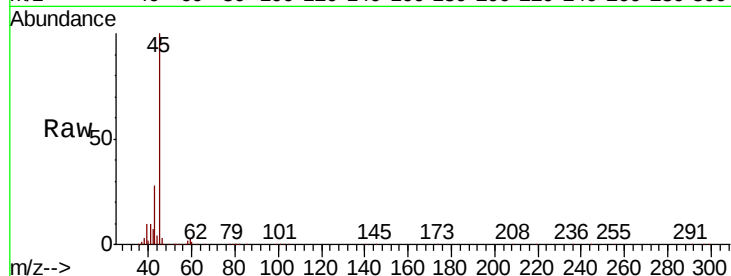




#19
Isopropyl Alcohol
Concen: 11.667 ppbv
RT: 3.95 min Scan# 363
Delta R.T. 0.01 min
Lab File: VL036335.D
Acq: 11 Feb 2021 2:33

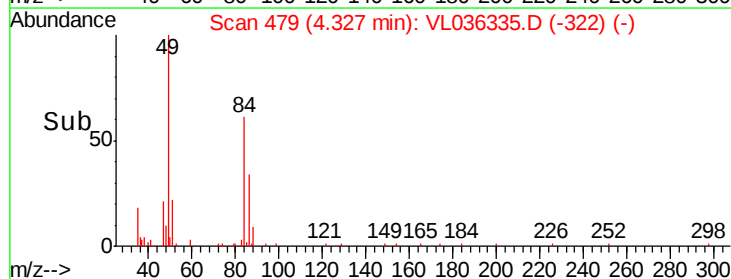
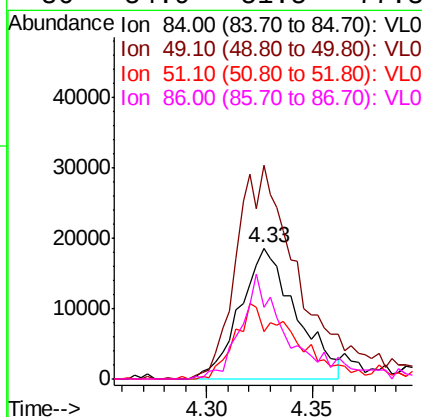
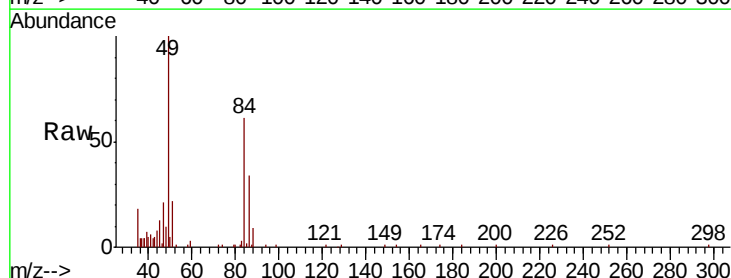
Instrument :
MSVOA_L
ClientSampleId :

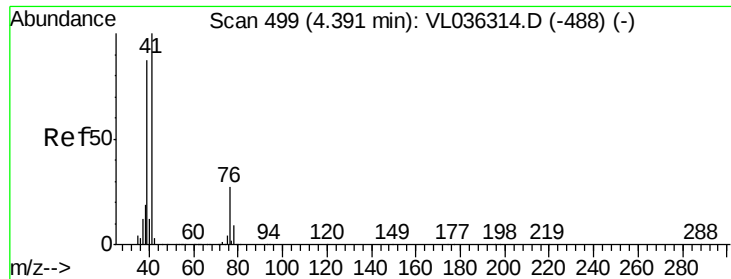
Tot Ion: 45 Resp: 1324818
Ion Ratio Lower Upper
45 100
58 2.6 1.9 2.9



#20
Methylene Chloride
Concen: 0.517 ppbv
RT: 4.33 min Scan# 479
Delta R.T. 0.00 min
Lab File: VL036335.D
Acq: 11 Feb 2021 2:33

Tgt Ion: 84 Resp: 34212
Ion Ratio Lower Upper
84 100
49 163.6 133.8 200.8
51 36.3 41.4 62.0#
86 54.9 51.5 77.3





#21

Allvl Chloride

Concen: 2.669 ppbv

RT: 4.11 min Scan# 413

Delta R.T. -0.28 min

Lab File: VL036335.D

Acq: 11 Feb 2021 2:33

Instrument :

MSVOA_L

ClientSampleId :

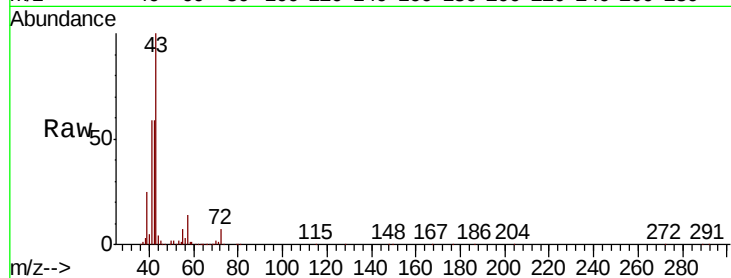
Tot Ion: 41 Resp: 304623

Ion Ratio Lower Upper

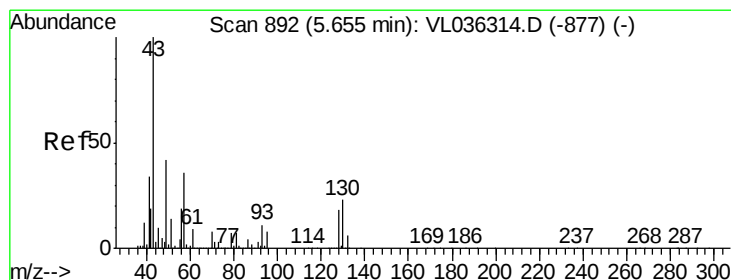
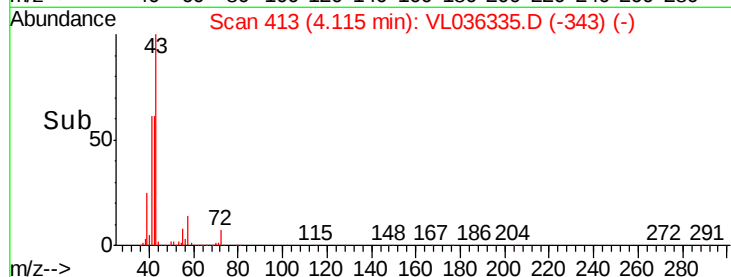
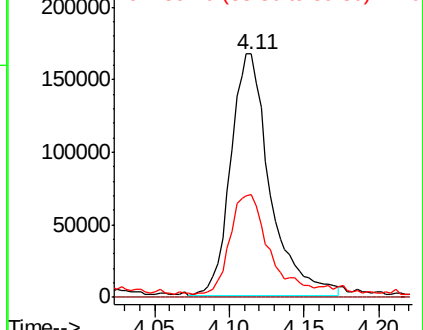
41 100

76 0.0 22.0 33.0#

39 46.0 70.2 105.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#25

Ethyl Acetate

Concen: 0.084 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.01 min

Lab File: VL036335.D

Acq: 11 Feb 2021 2:33

Tgt Ion: 43 Resp: 33055

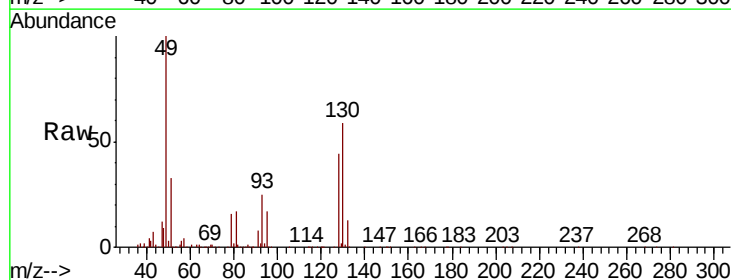
Ion Ratio Lower Upper

43 100

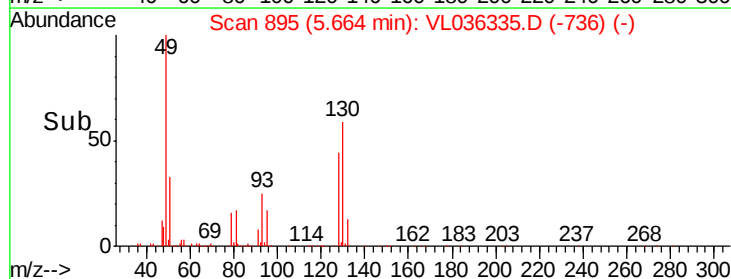
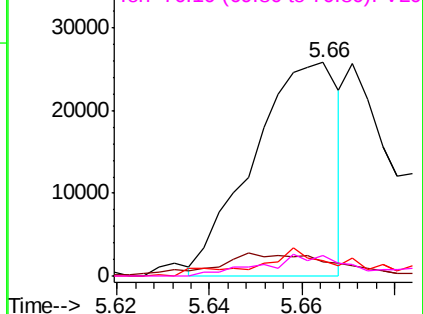
45 19.7 8.3 12.5#

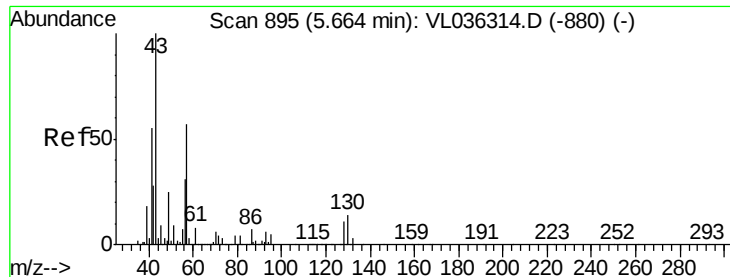
61 15.2 7.3 10.9#

70 12.0 5.4 8.0#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

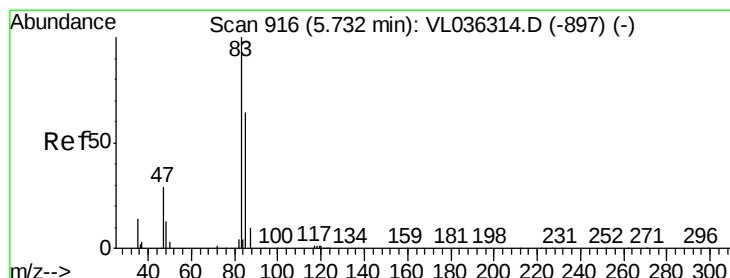
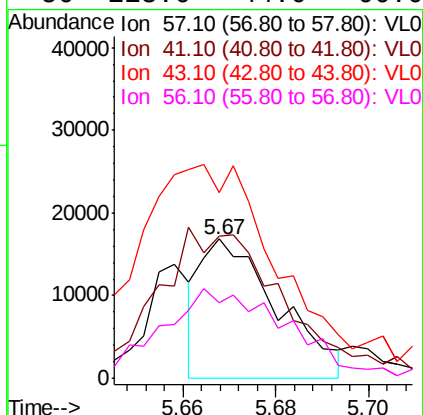
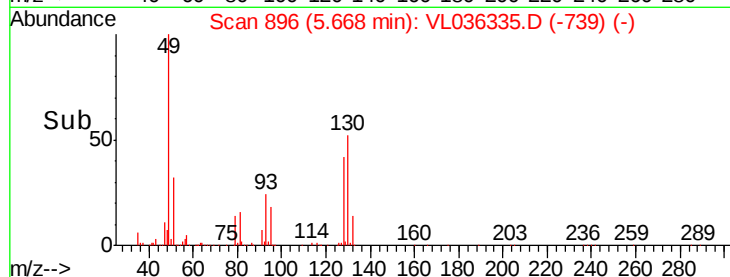
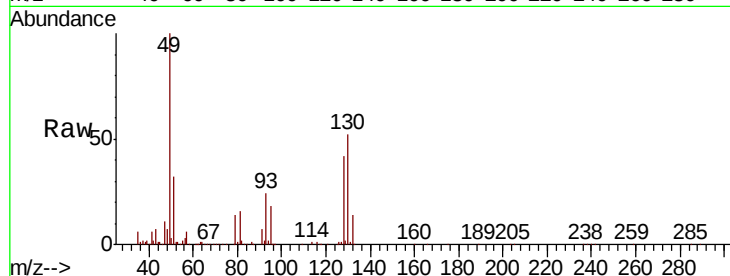




#26
Hexane
Concen: 0.118 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL036335.D
Acq: 11 Feb 2021 2:33

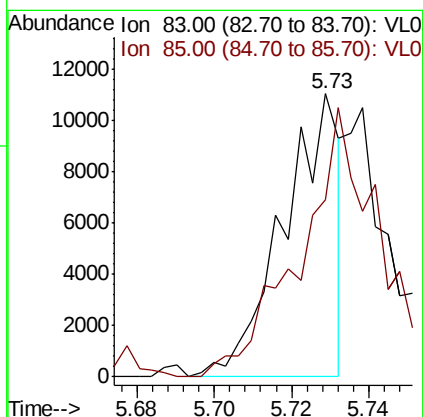
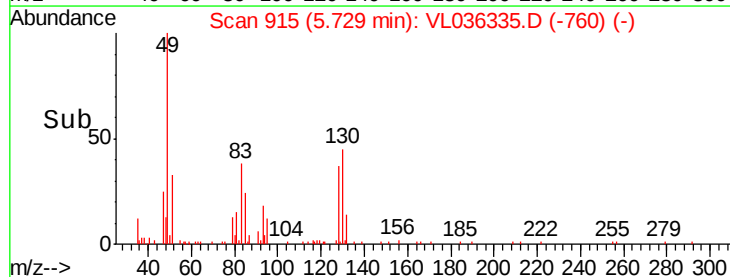
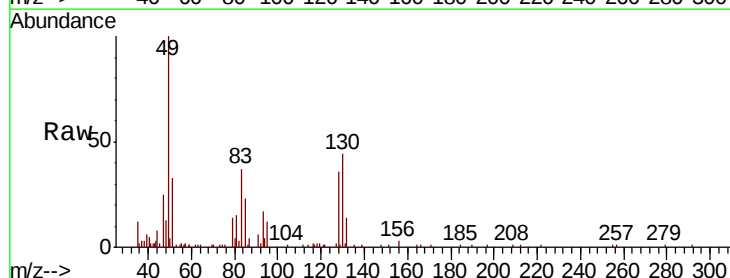
Instrument :
MSVOA_L
ClientSampleId :

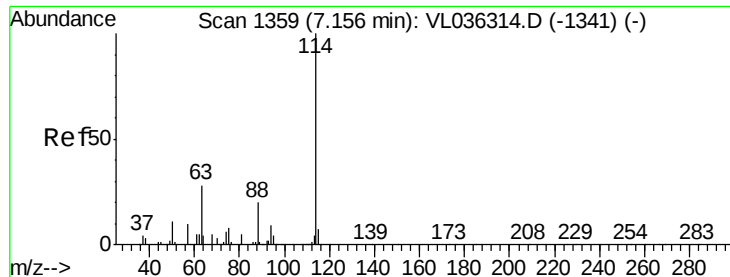
Tot Ion: 57 Resp: 19249
Ion Ratio Lower Upper
57 100
41 192.9 81.7 122.5#
43 336.6 199.1 298.7#
56 113.6 44.0 66.0#



#29
Chloroform
Concen: 0.042 ppbv
RT: 5.73 min Scan# 915
Delta R.T. -0.00 min
Lab File: VL036335.D
Acq: 11 Feb 2021 2:33

Tgt Ion: 83 Resp: 11085
Ion Ratio Lower Upper
83 100
85 62.7 51.4 77.2

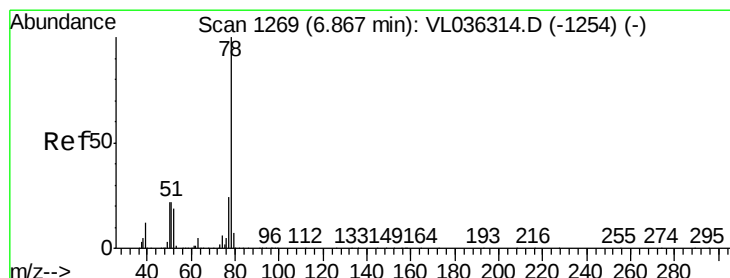
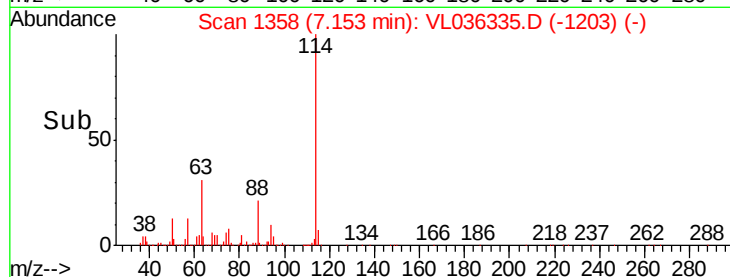
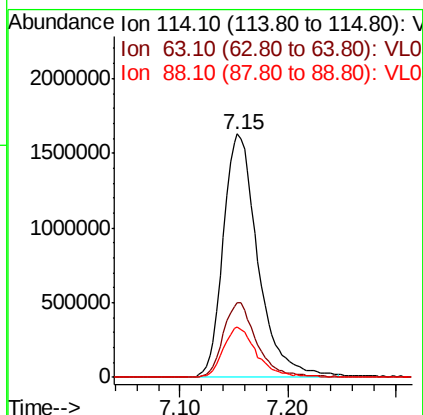
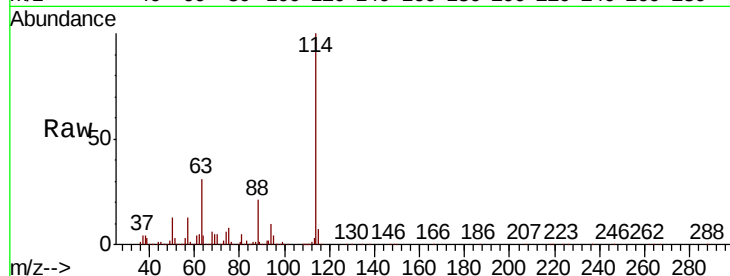




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VL036335.D
 Acq: 11 Feb 2021 2:33

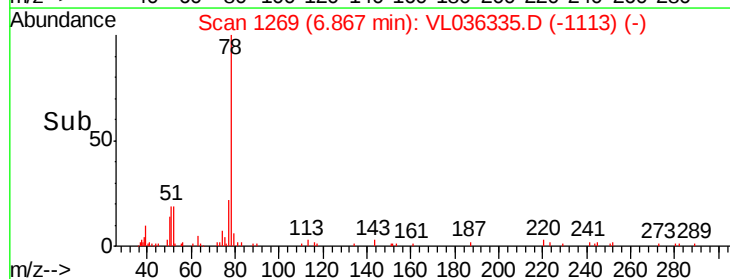
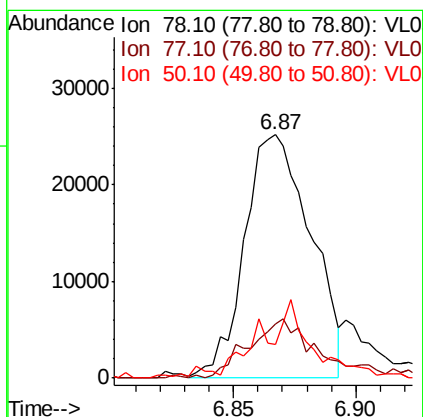
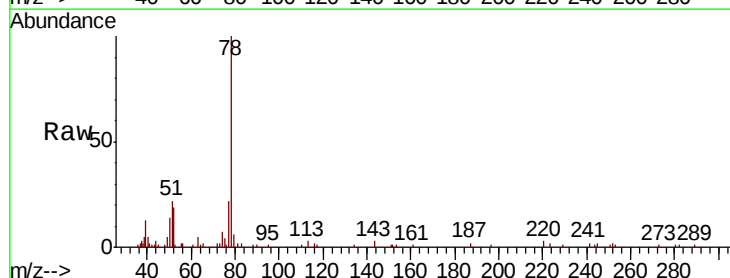
Instrument :
 MSVOA_L
 ClientSampleId :

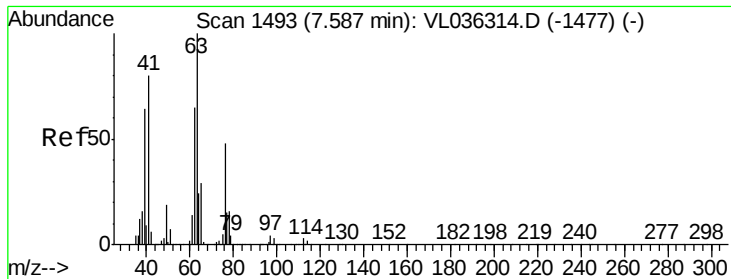
Tot Ion:114 Resp: 3658372
 Ion Ratio Lower Upper
 114 100
 63 30.0 24.1 36.1
 88 20.1 16.0 24.0



#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#

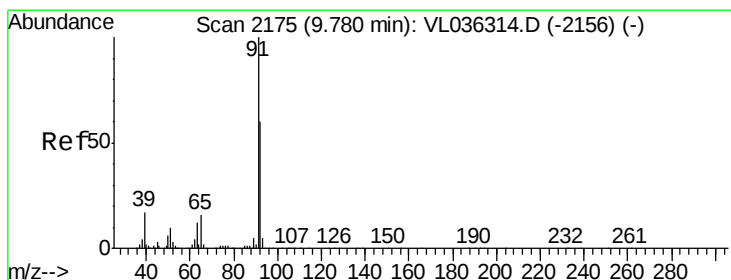
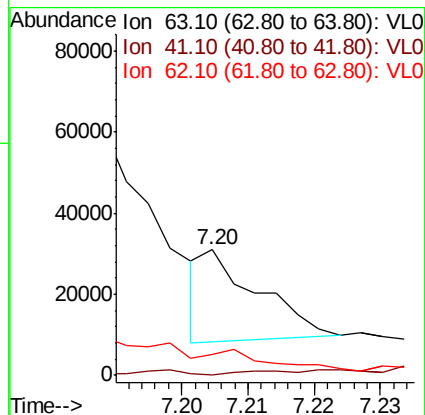
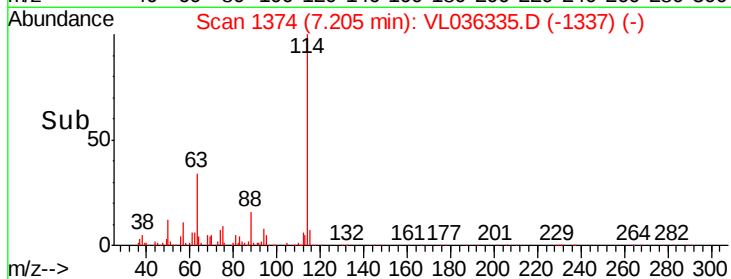
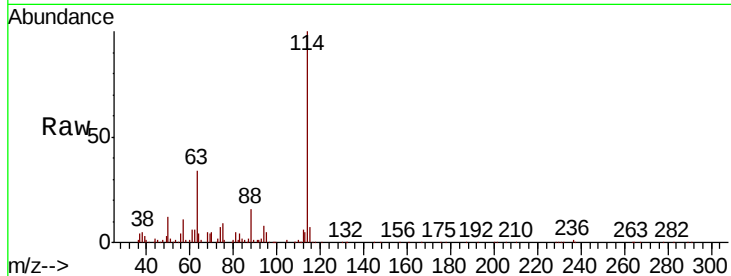




#39
 1,2-Dichloropropane
 Concen: 0.103 ppbv
 RT: 7.20 min Scan# 1374
 Delta R.T. -0.38 min
 Lab File: VL036335.D
 Acq: 11 Feb 2021 2:33

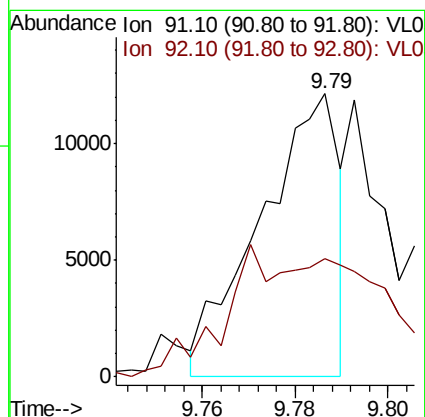
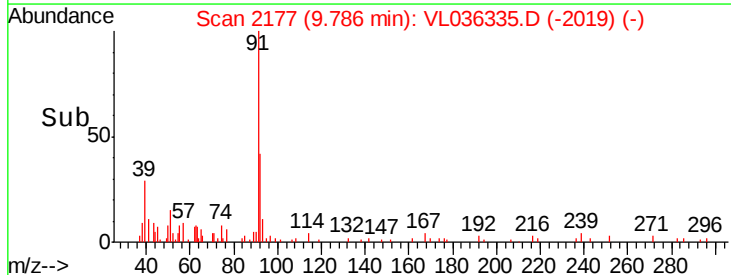
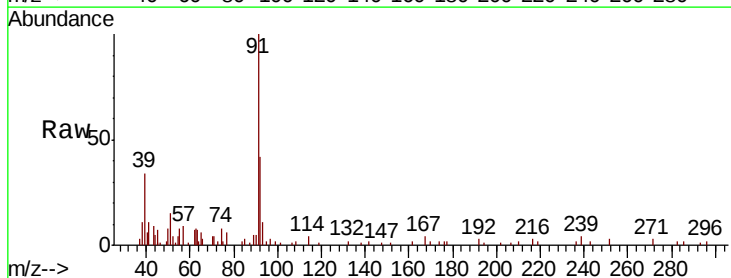
Instrument :
 MSVOA_L
 ClientSampleId :

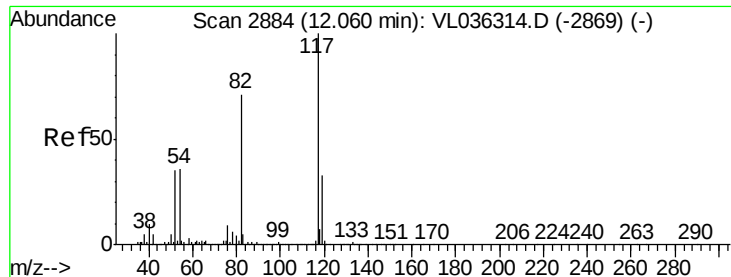
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	63.8	95.6#
62	16.7	52.3	78.5#



#53
 Toluene
 Concen: 0.043 ppbv
 RT: 9.79 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VL036335.D
 Acq: 11 Feb 2021 2:33

Tgt Ion	Ratio	Lower	Upper
91	100		
92	92.4	48.6	72.8#

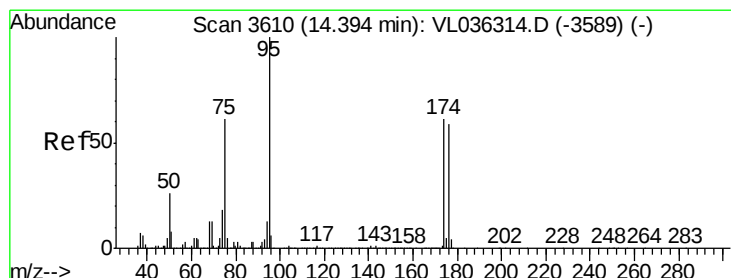
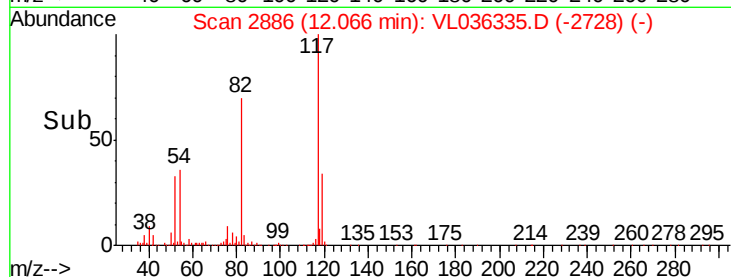
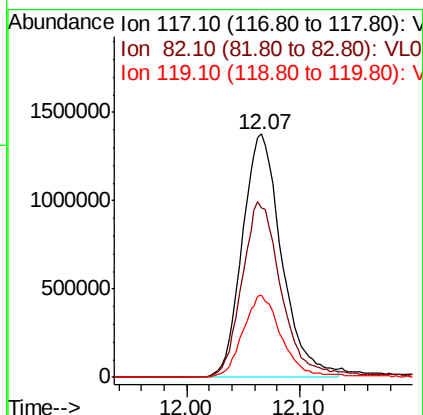
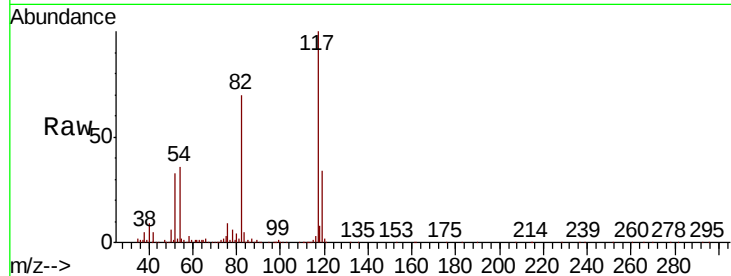




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. 0.01 min
Lab File: VL036335.D
Acq: 11 Feb 2021 2:33

Instrument :
MSVOA_L
ClientSampleId :

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#



#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

