

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062221\
 Data File : VL037227.D
 Acq On : 22 Jun 2021 21:51
 Operator : SY/AP
 Sample : M2807-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 23 01:43:00 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1538025	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4509356	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3932983	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2843613	9.54	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.40%

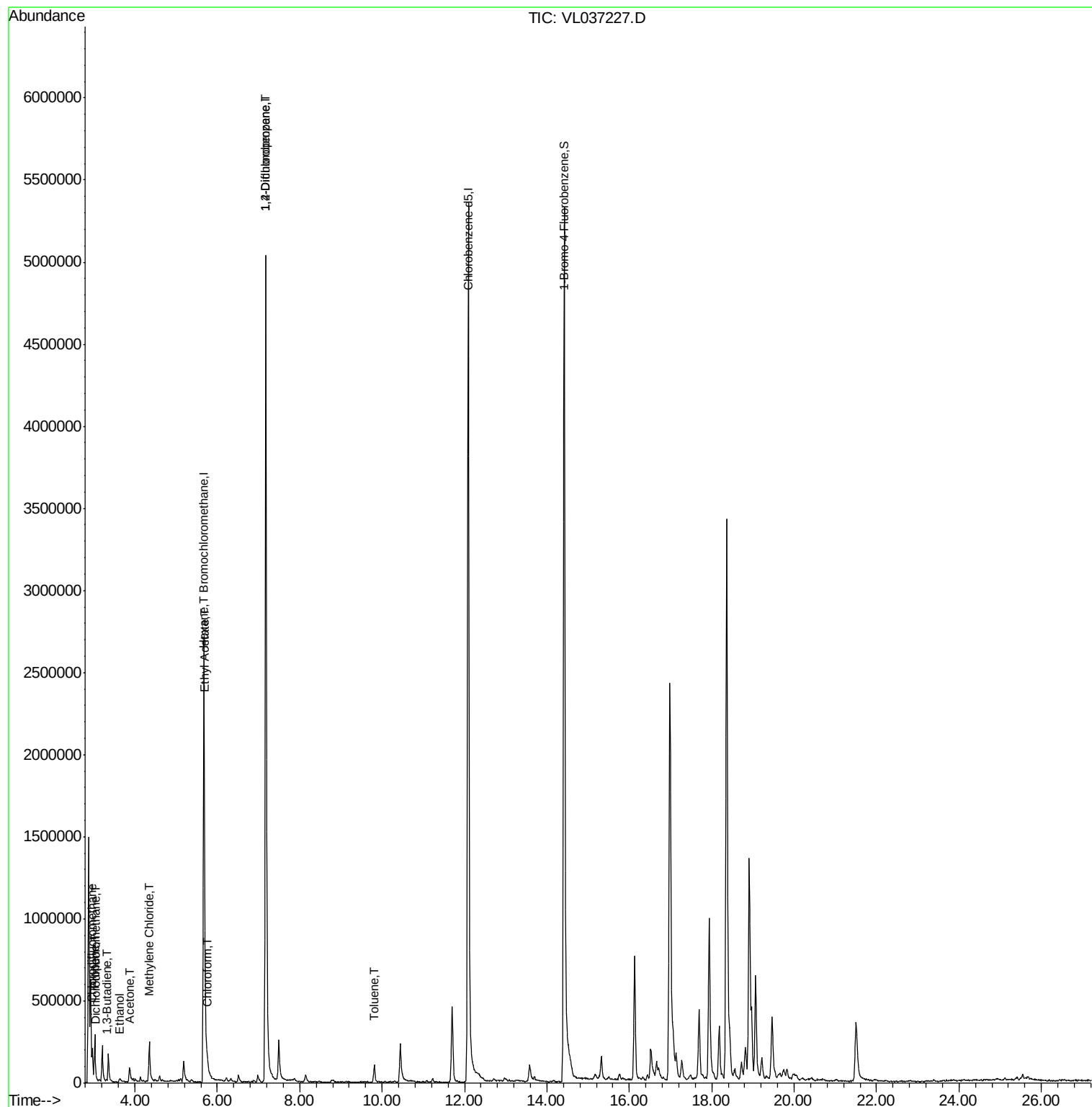
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	5416	0.020 ppbv	96
3) Chlorodifluoromethane	2.96	51	139591	0.467 ppbv #	59
9) Propene	3.02	41	73737	0.771 ppbv #	65
13) Ethanol	3.62	45	12730	0.861 ppbv	82
15) Acetone	3.87	43	98062	0.565 ppbv #	45
16) 1,3-Butadiene	3.31	39	2170	0.021 ppbv #	11
20) Methylene Chloride	4.35	84	102218	0.984 ppbv	96
25) Ethyl Acetate	5.69	43	45603	0.121 ppbv #	79
26) Hexane	5.69	57	62548	0.330 ppbv #	47
29) Chloroform	5.76	83	33395	0.114 ppbv #	78
39) 1,2-Dichloropropane	7.18	63	1106797	8.168 ppbv #	23
53) Toluene	9.81	91	54054	0.124 ppbv #	50

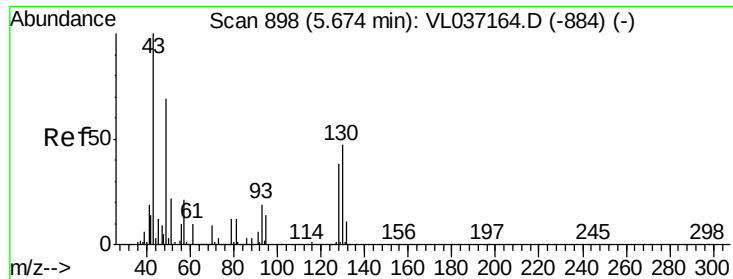
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
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QLast Update : Wed Jun 16 14:06:32 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

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MSVOA_L

ClientSampleId :

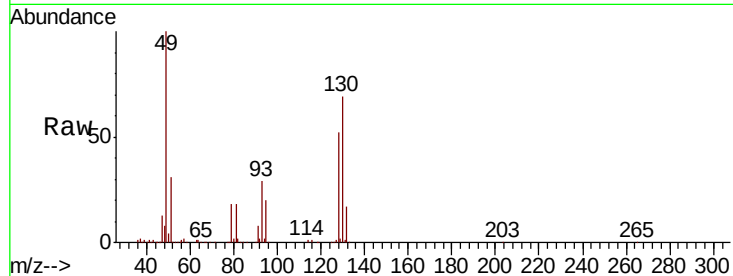
Tot Ion: 49 Resp: 1538025

Ion Ratio Lower Upper

49 100

128 56.7 29.3 88.0

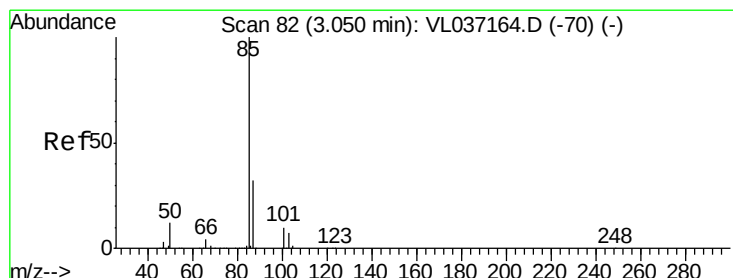
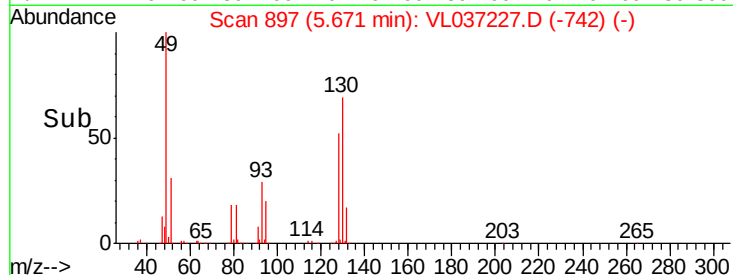
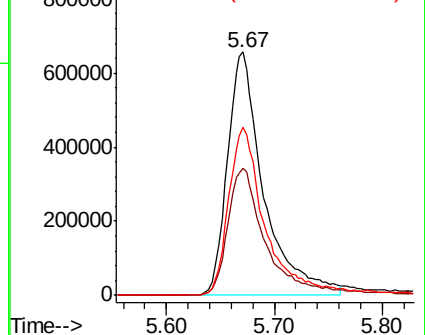
130 72.6 35.9 107.8



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



#2

Dichlorodifluoromethane

Concen: 0.020 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL037227.D

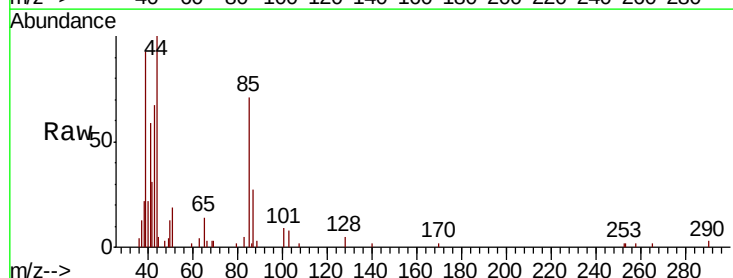
Acq: 22 Jun 2021 21:51

Tgt Ion: 85 Resp: 5416

Ion Ratio Lower Upper

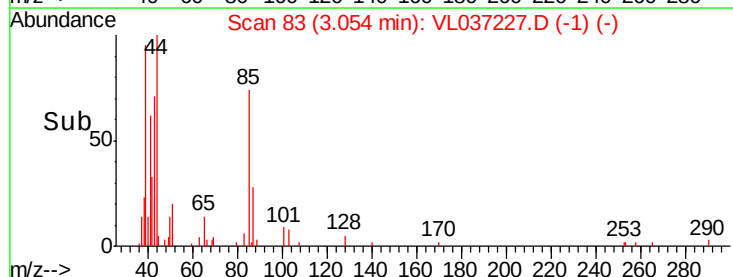
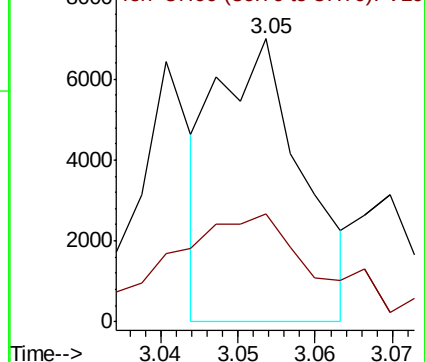
85 100

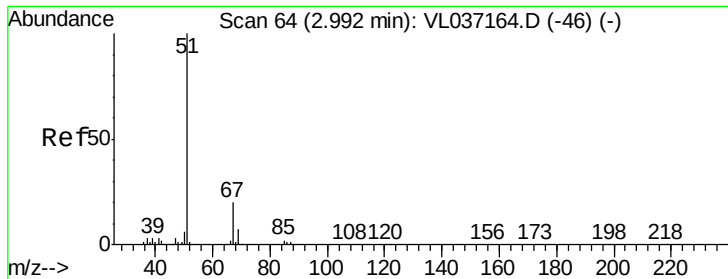
87 34.3 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.467 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.03 min

Lab File: VL037227.D

Acq: 22 Jun 2021 21:51

Instrument :

MSVOA_L

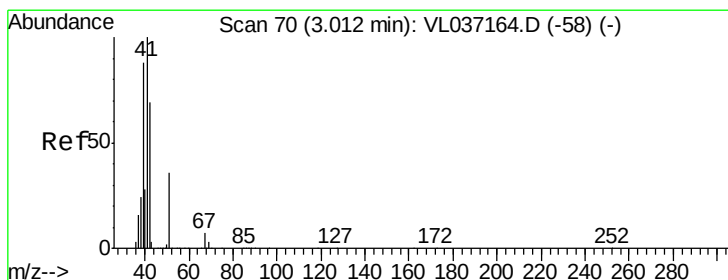
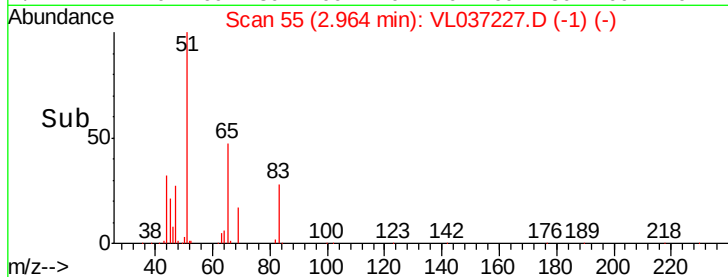
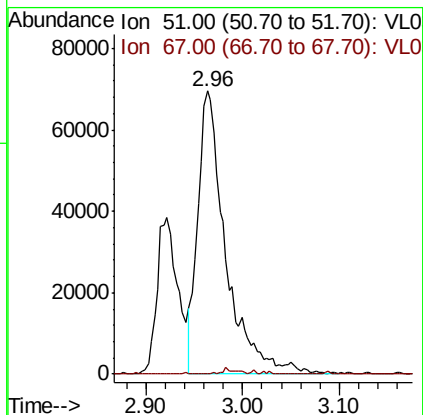
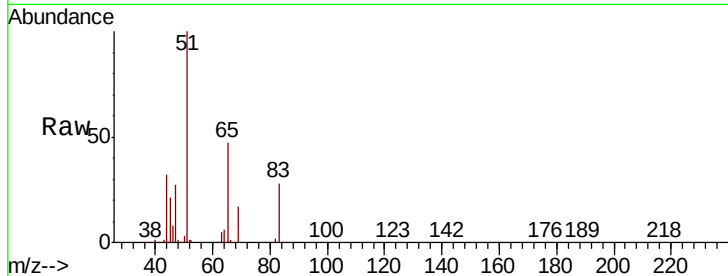
ClientSampleId :

Tot Ion: 51 Resp: 139591

Ion Ratio Lower Upper

51 100

67 0.9 15.8 23.6#



#9

Propene

Concen: 0.771 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL037227.D

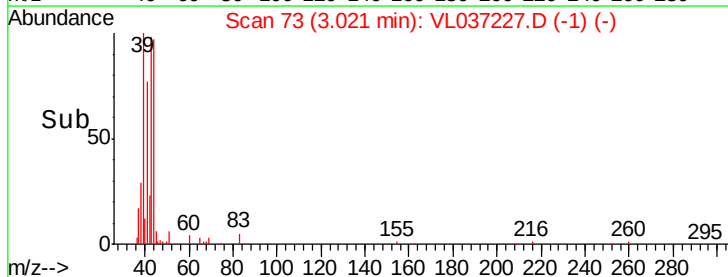
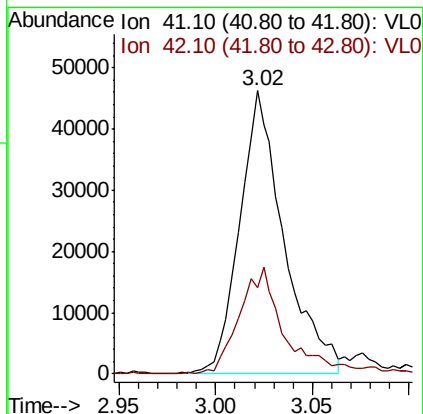
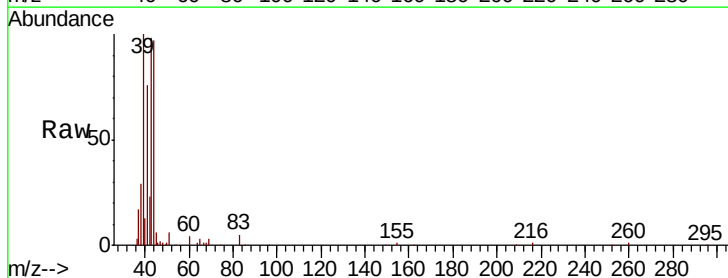
Acq: 22 Jun 2021 21:51

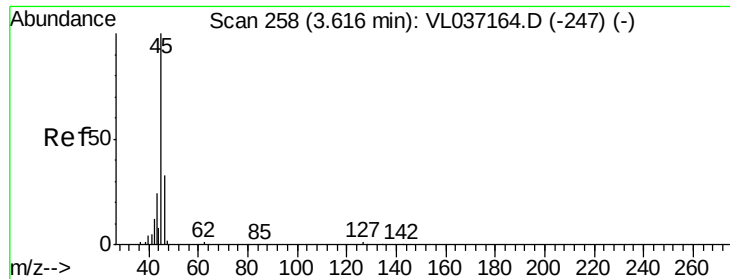
Tgt Ion: 41 Resp: 73737

Ion Ratio Lower Upper

41 100

42 39.7 54.5 81.7#

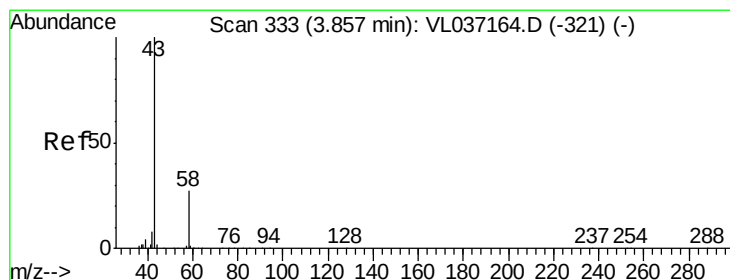
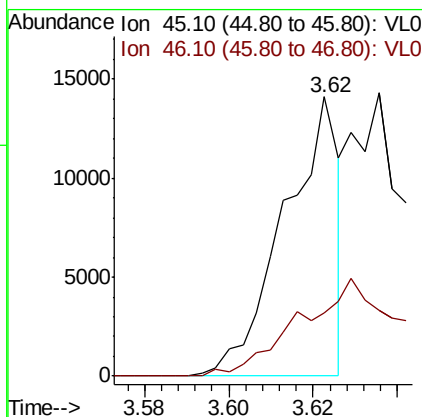
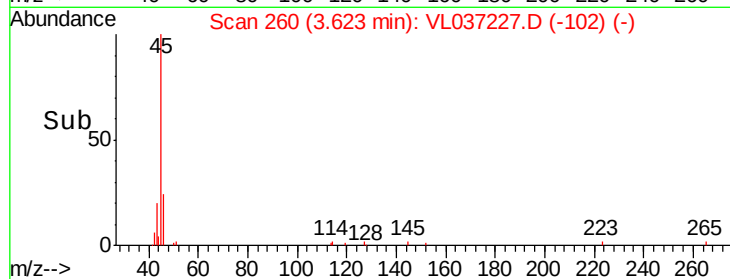
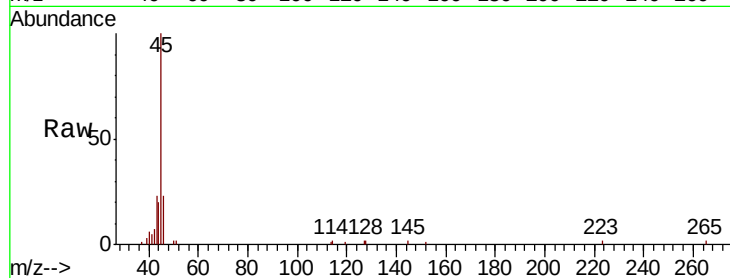




#13
Ethanol
Concen: 0.861 ppbv
RT: 3.62 min Scan# 260
Delta R.T. 0.01 min
Lab File: VL037227.D
Acq: 22 Jun 2021 21:51

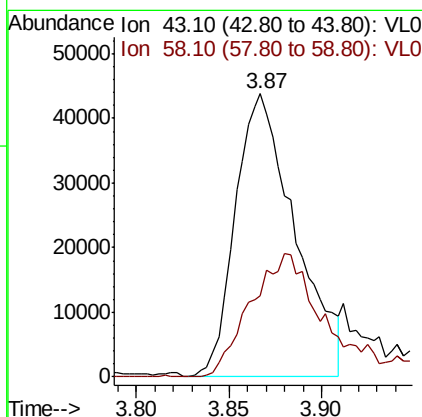
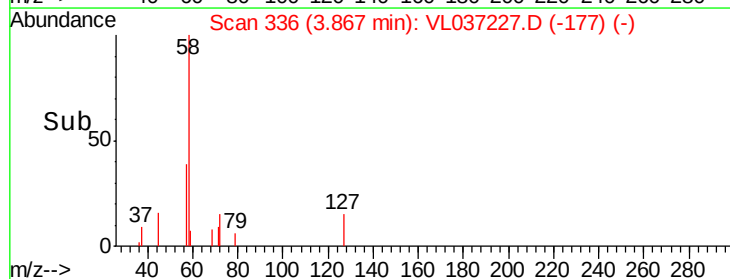
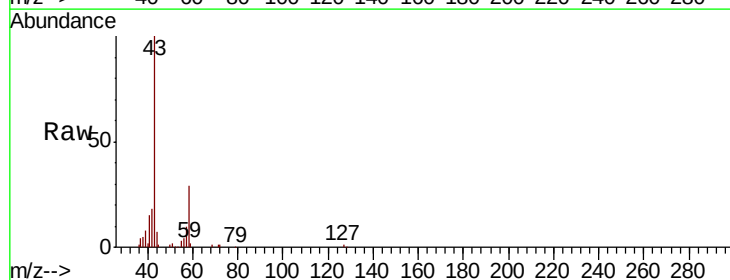
Instrument :
MSVOA_L
ClientSampleId :

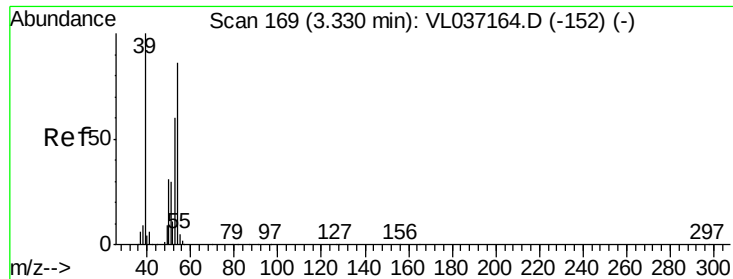
Tot Ion: 45 Resp: 12730
Ion Ratio Lower Upper
45 100
46 69.4 34.2 137.0



#15
Acetone
Concen: 0.565 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.01 min
Lab File: VL037227.D
Acq: 22 Jun 2021 21:51

Tgt Ion: 43 Resp: 98062
Ion Ratio Lower Upper
43 100
58 59.4 23.7 35.5#

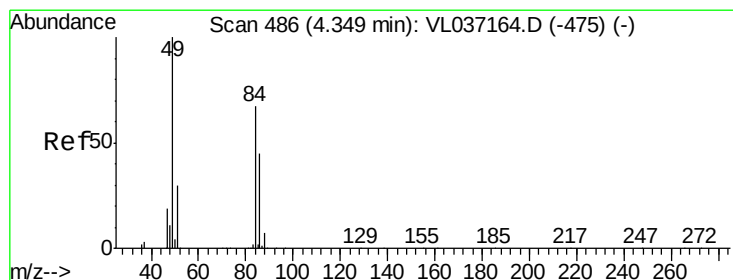
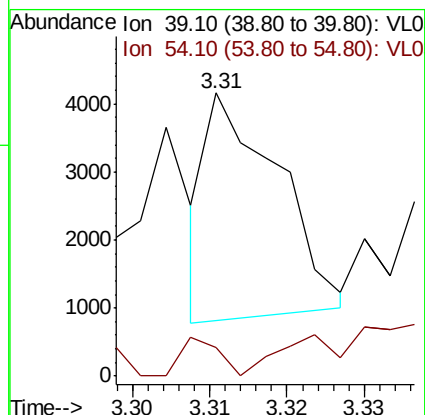
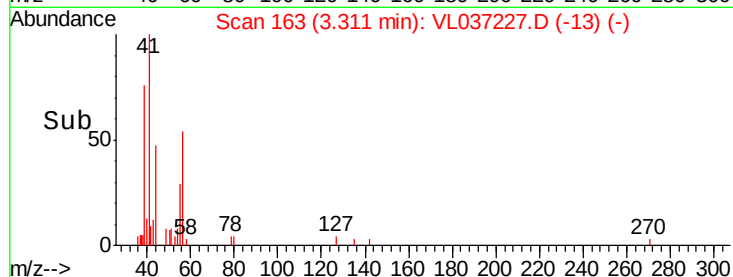
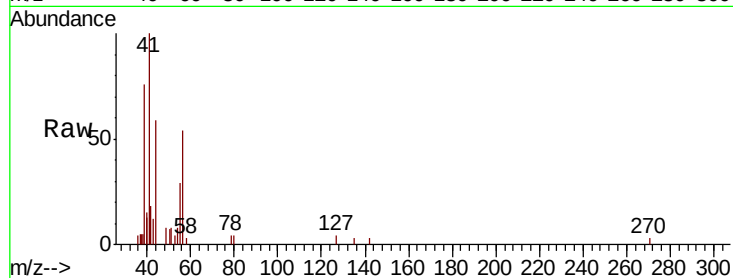




#16
 1,3-Butadiene
 Concen: 0.021 ppbv
 RT: 3.31 min Scan# 163
 Delta R.T. -0.02 min
 Lab File: VL037227.D
 Acq: 22 Jun 2021 21:51

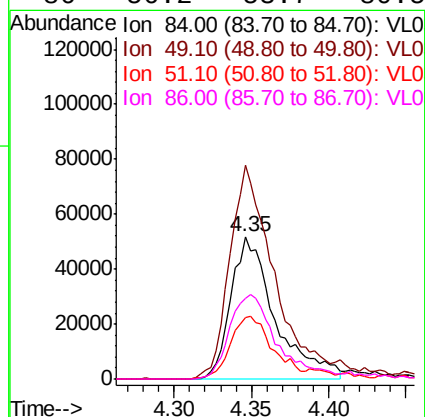
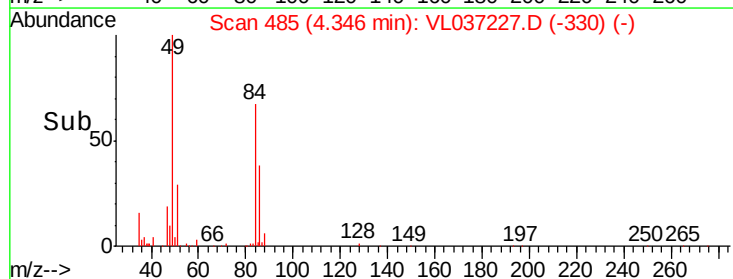
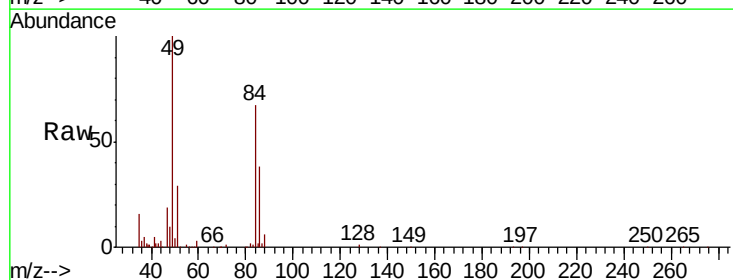
Instrument :
 MSVOA_L
 ClientSampleId :

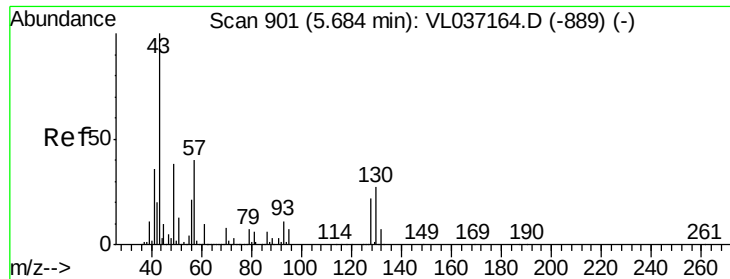
Tot Ion: 39 Resp: 2170
 Ion Ratio Lower Upper
 39 100
 54 0.0 61.2 91.8#



#20
 Methylene Chloride
 Concen: 0.984 ppbv
 RT: 4.35 min Scan# 485
 Delta R.T. -0.00 min
 Lab File: VL037227.D
 Acq: 22 Jun 2021 21:51

Tgt Ion: 84 Resp: 102218
 Ion Ratio Lower Upper
 84 100
 49 150.2 119.7 179.5
 51 43.7 36.1 54.1
 86 56.2 53.7 80.5

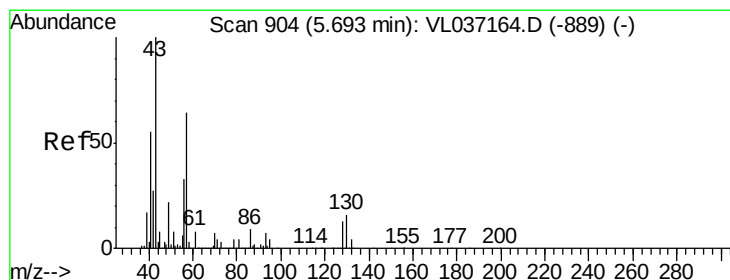
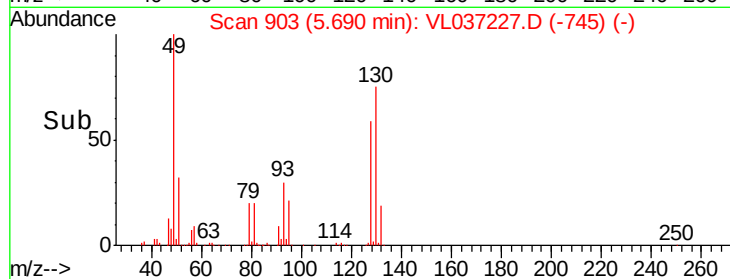
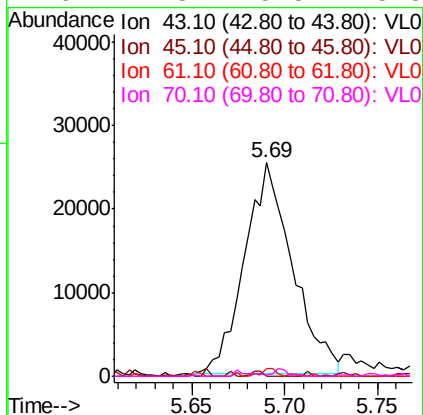
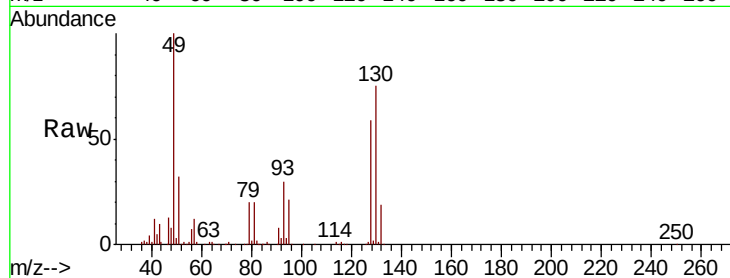




#25
Ethyl Acetate
Concen: 0.121 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL037227.D
Acq: 22 Jun 2021 21:51

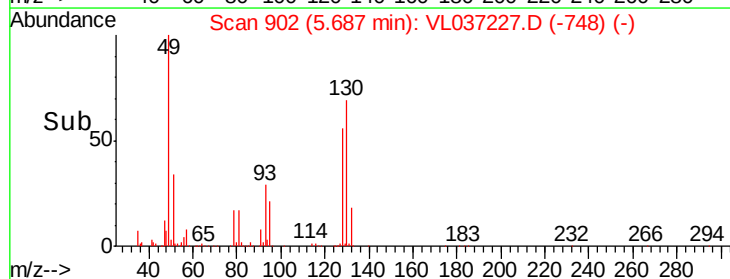
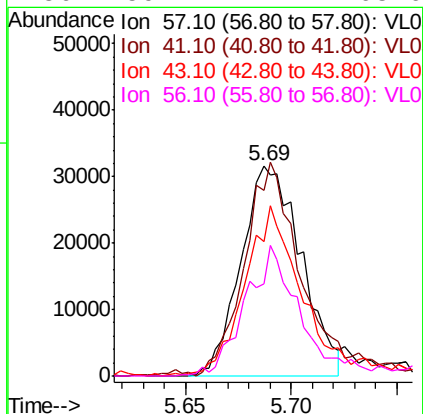
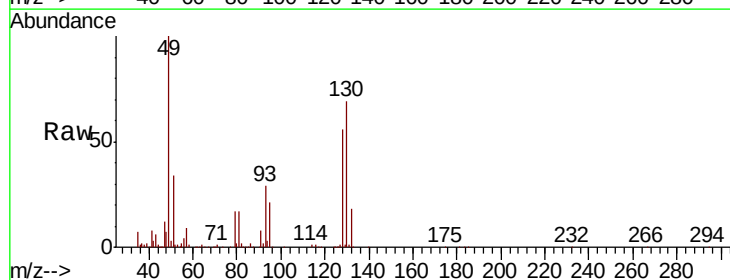
Instrument :
MSVOA_L
ClientSampleId :

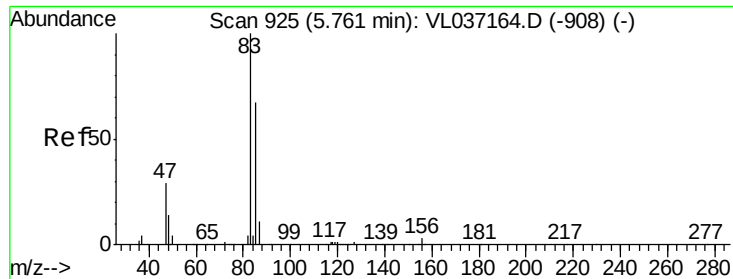
Tot Ion:	43	Resp:	45603
Ion	Ratio	Lower	Upper
43	100		
45	0.9	8.0	12.0#
61	2.1	8.1	12.1#
70	1.8	5.5	8.3#



#26
Hexane
Concen: 0.330 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL037227.D
Acq: 22 Jun 2021 21:51

Tgt Ion:	57	Resp:	62548
Ion	Ratio	Lower	Upper
57	100		
41	101.9	73.5	110.3
43	84.5	170.7	256.1#
56	59.7	42.4	63.6

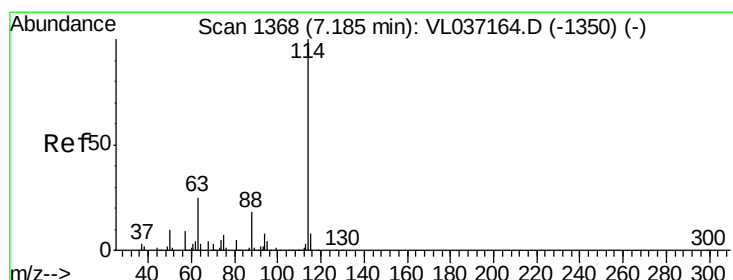
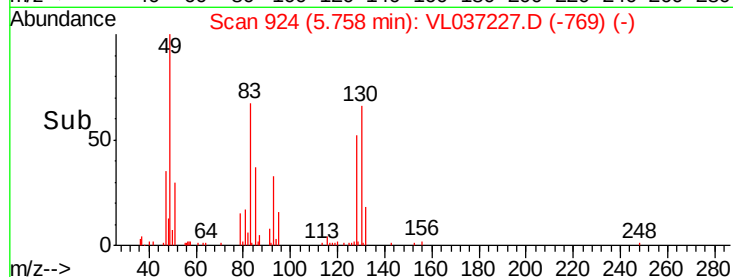
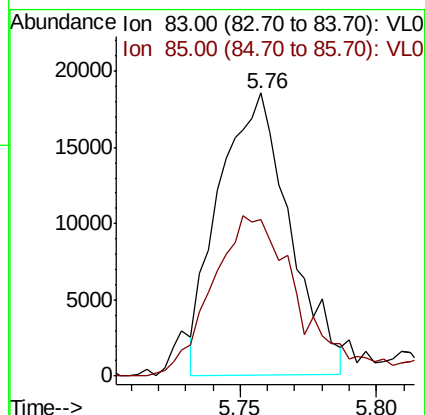
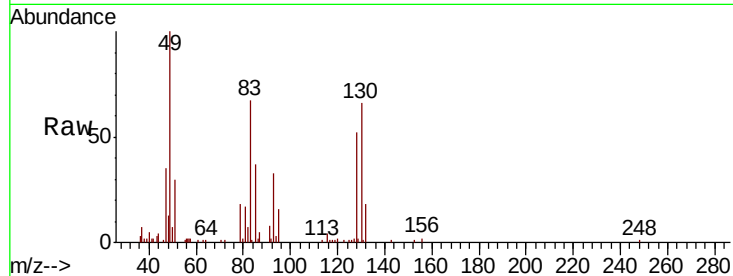




#29
Chloroform
Concen: 0.114 ppbv
RT: 5.76 min Scan# 924
Delta R.T. -0.00 min
Lab File: VL037227.D
Acq: 22 Jun 2021 21:51

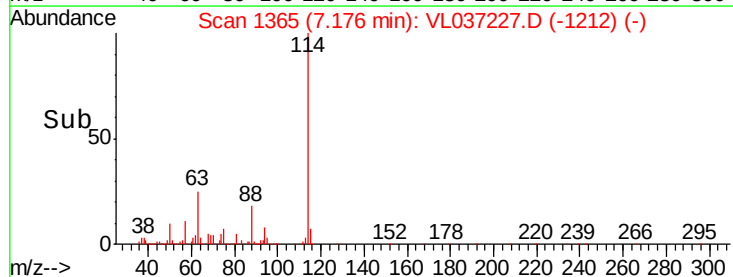
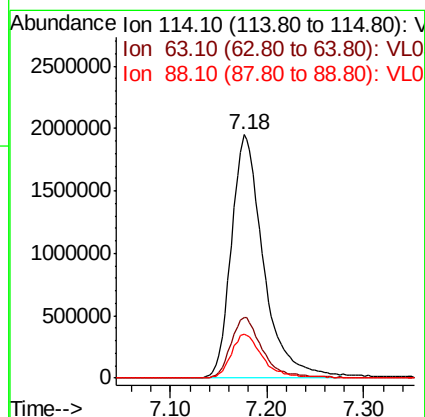
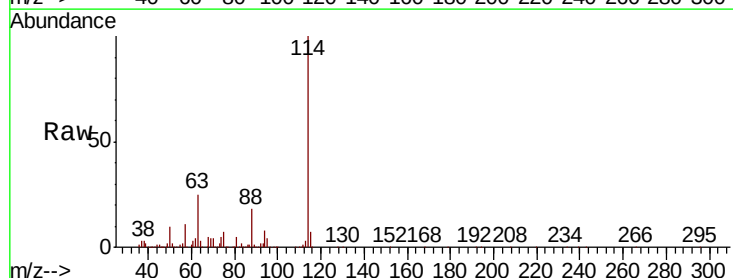
Instrument :
MSVOA_L
ClientSampleId :

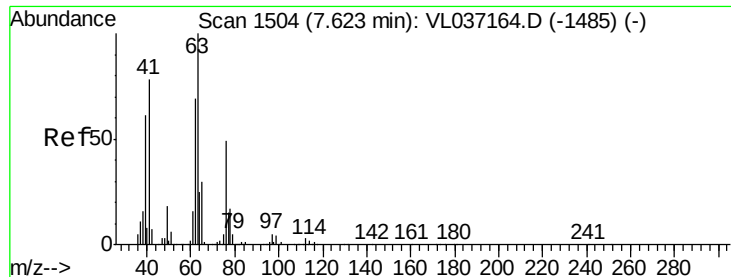
Tot Ion: 83 Resp: 33395
Ion Ratio Lower Upper
83 100
85 49.3 53.6 80.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VL037227.D
Acq: 22 Jun 2021 21:51

Tgt Ion: 114 Resp: 4509356
Ion Ratio Lower Upper
114 100
63 24.8 19.6 29.4
88 18.1 14.2 21.2

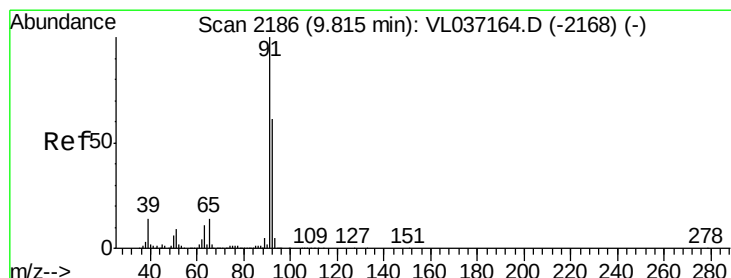
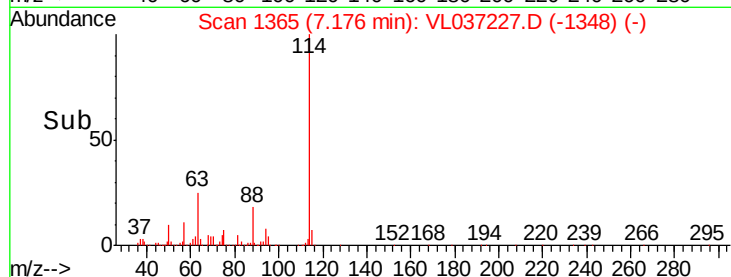
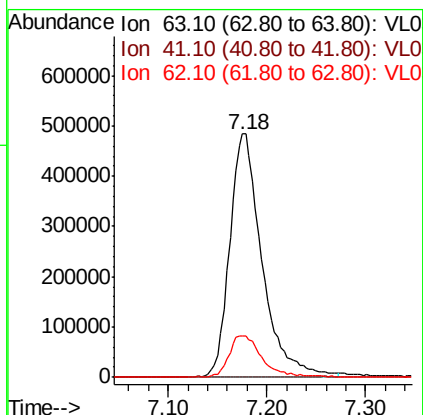
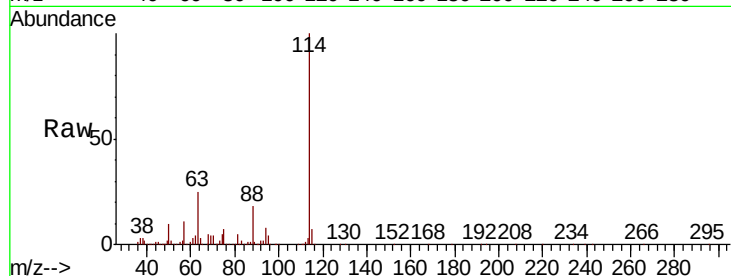




#39
 1,2-Dichloropropane
 Concen: 8.168 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.45 min
 Lab File: VL037227.D
 Acq: 22 Jun 2021 21:51

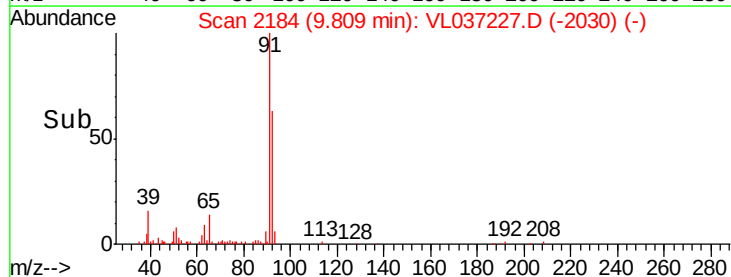
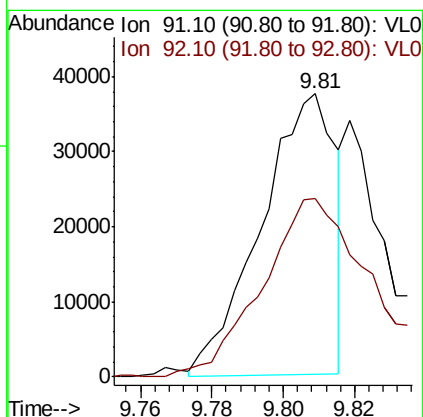
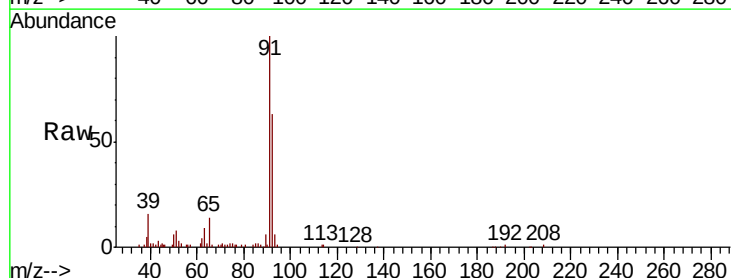
Instrument :
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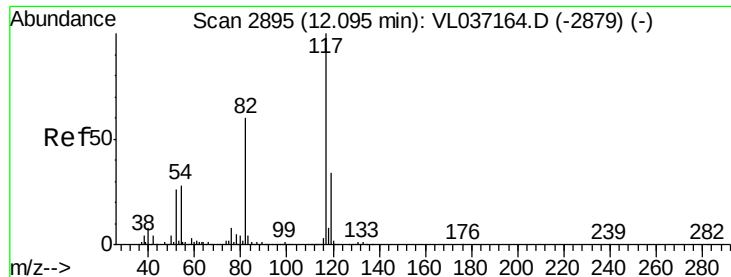
Tot Ion: 63 Resp: 1106797
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.0 93.0#
 62 16.9 54.9 82.3#



#53
 Toluene
 Concen: 0.124 ppbv
 RT: 9.81 min Scan# 2184
 Delta R.T. -0.01 min
 Lab File: VL037227.D
 Acq: 22 Jun 2021 21:51

Tgt Ion: 91 Resp: 54054
 Ion Ratio Lower Upper
 91 100
 92 98.4 48.3 72.5#

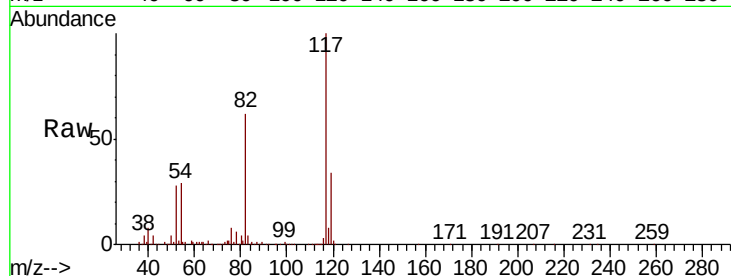




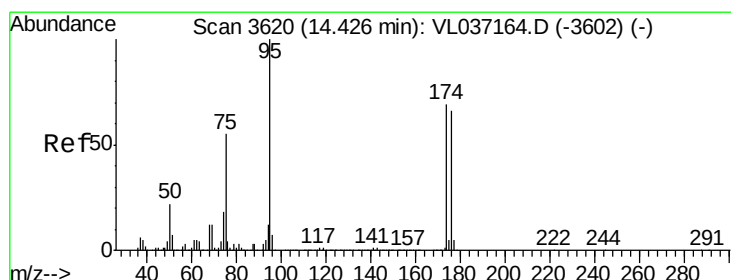
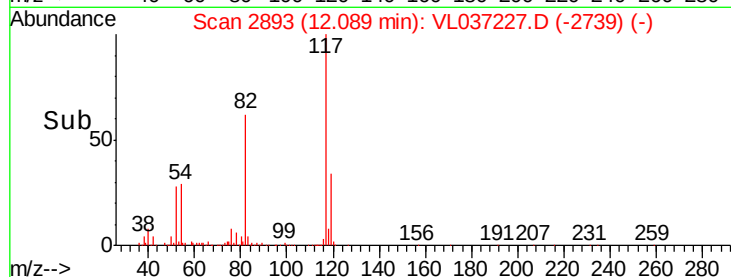
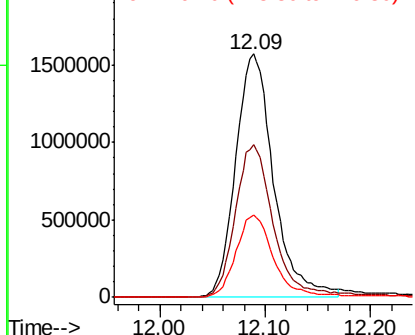
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL037227.D
Acq: 22 Jun 2021 21:51

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3932983
Ion Ratio Lower Upper
117 100
82 64.9 51.7 77.5
119 35.2 47.6 71.4#

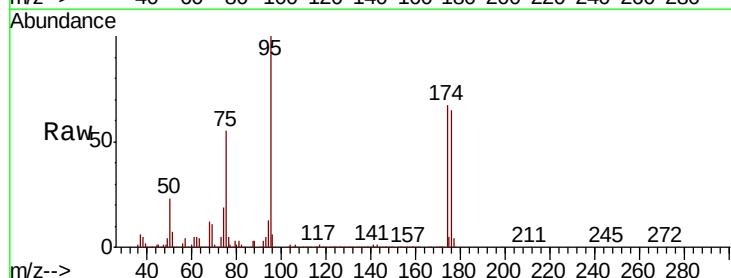


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.542 ppbv
RT: 14.42 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL037227.D
Acq: 22 Jun 2021 21:51

Tgt Ion: 95 Resp: 2843613
Ion Ratio Lower Upper
95 100
174 75.0 57.0 85.4
175 5.6 4.4 6.6



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

