

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060221\
 Data File : VL037117.D
 Acq On : 3 Jun 2021 1:31
 Operator : SY/AP
 Sample : M2548-15DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

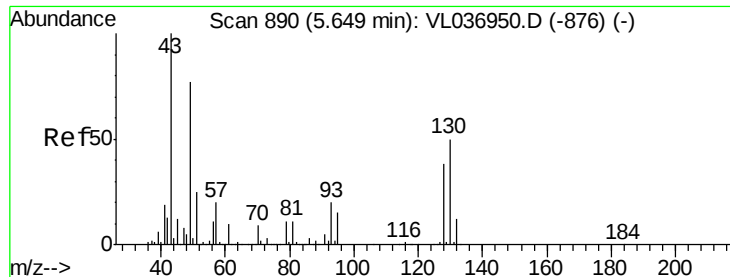
Quant Time: Jun 03 03:24:22 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1394862	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4067216	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3649850	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2660277	9.70	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	9064	0.038	ppbv	90
3) Chlorodifluoromethane	2.95	51	98173	0.384	ppbv #	63
9) Propene	3.01	41	6435	0.070	ppbv #	16
13) Ethanol	3.61	45	10666	0.874	ppbv #	1
15) Acetone	3.86	43	173193	1.212	ppbv #	77
19) Isopropyl Alcohol	3.99	45	117408	1.529	ppbv #	43
20) Methylene Chloride	4.33	84	7652	0.100	ppbv	88
26) Hexane	5.67	57	11798	0.067	ppbv #	47
34) 2-Butanone	5.25	43	8852	0.060	ppbv #	1
38) Trichloroethene	7.82	130	21548	0.144	ppbv #	76
39) 1,2-Dichloropropane	7.16	63	961555	7.125	ppbv #	26

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.01 min

Lab File: VL037117.D

Acq: 3 Jun 2021 1:31

Instrument :

MSVOA_L

ClientSampleId :

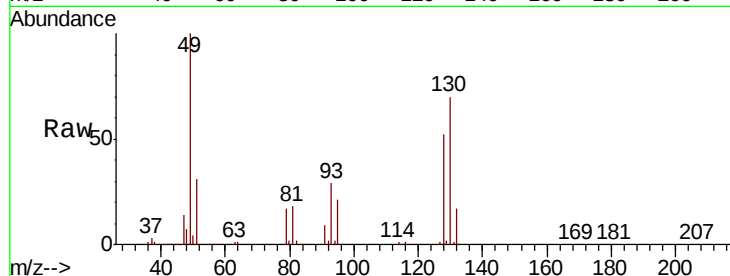
Tot Ion: 49 Resp: 1394862

Ion Ratio Lower Upper

49 100

128 55.7 26.9 80.7

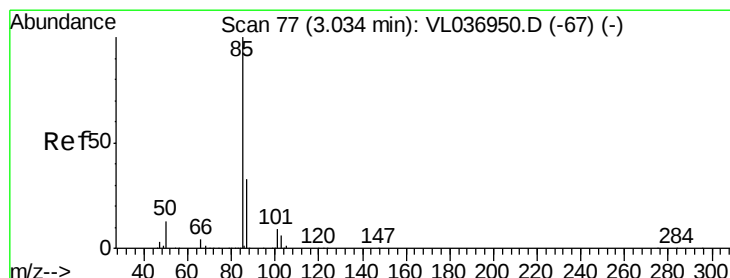
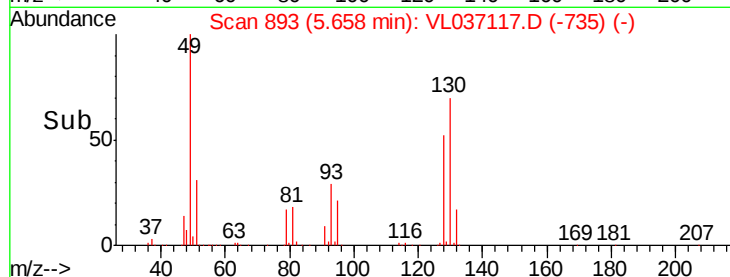
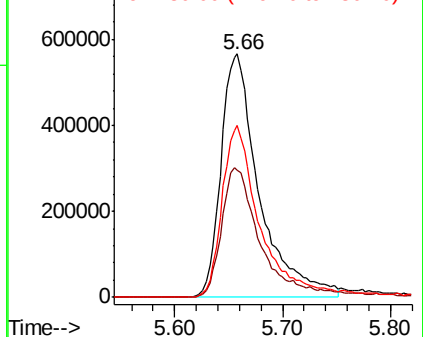
130 71.9 33.8 101.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 0.038 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.00 min

Lab File: VL037117.D

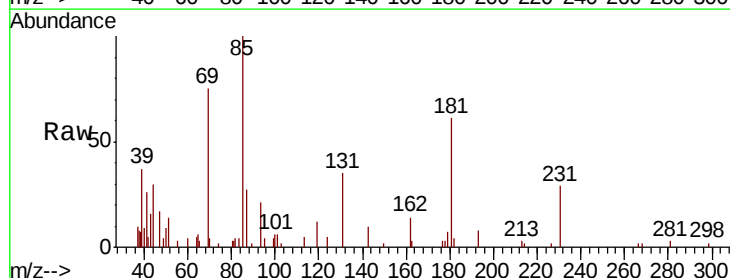
Acq: 3 Jun 2021 1:31

Tgt Ion: 85 Resp: 9064

Ion Ratio Lower Upper

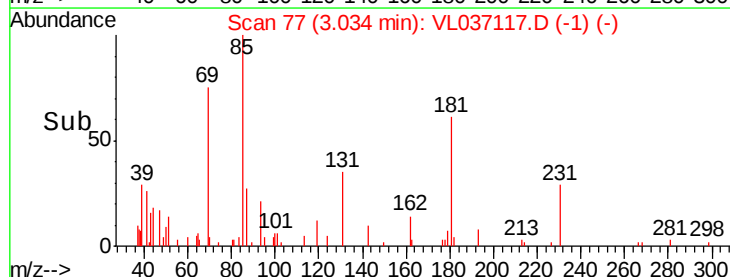
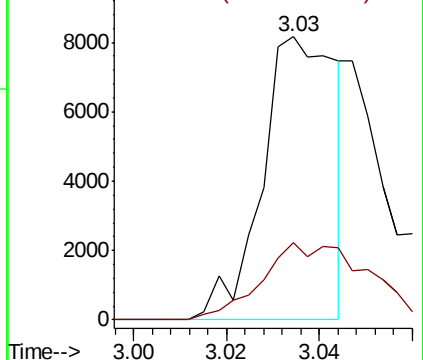
85 100

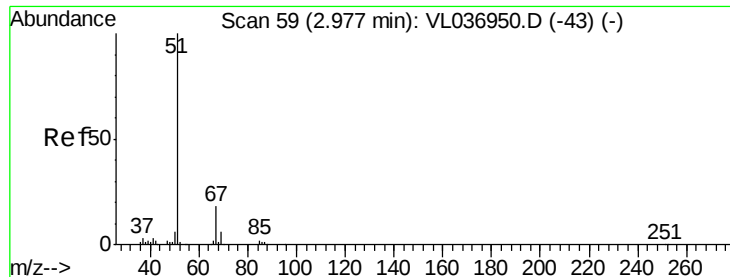
87 27.3 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.384 ppbv

RT: 2.95 min Scan# 52

Delta R.T. -0.02 min

Lab File: VL037117.D

Acq: 3 Jun 2021 1:31

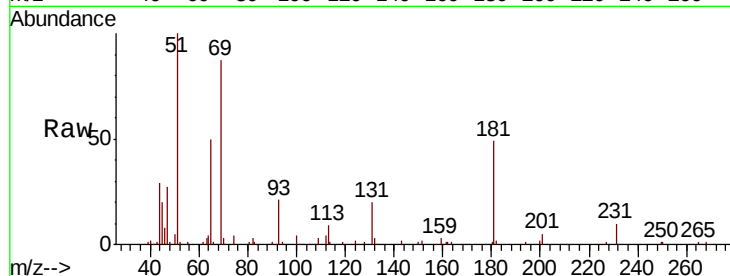
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 51 Resp: 98173

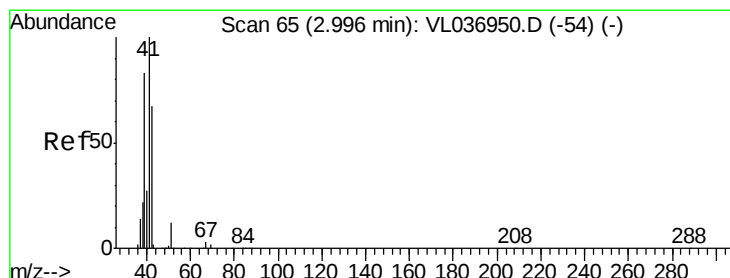
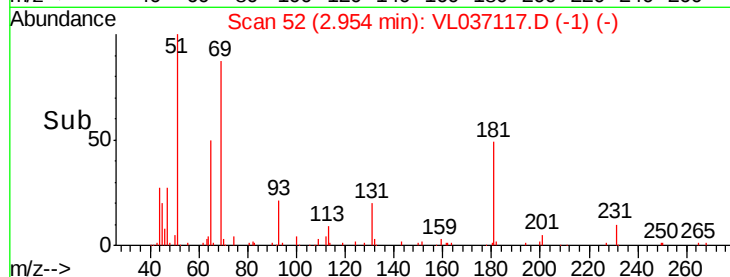
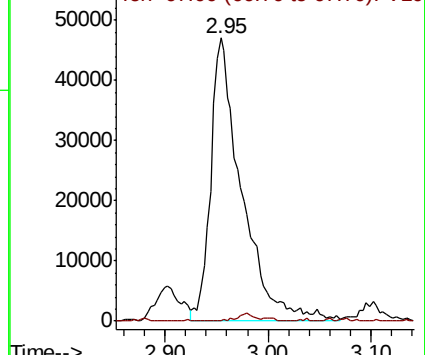
Ion Ratio Lower Upper

51 100

67 1.9 14.6 21.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 0.070 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL037117.D

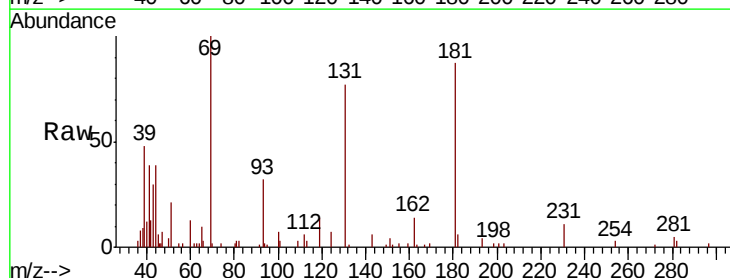
Acq: 3 Jun 2021 1:31

Tgt Ion: 41 Resp: 6435

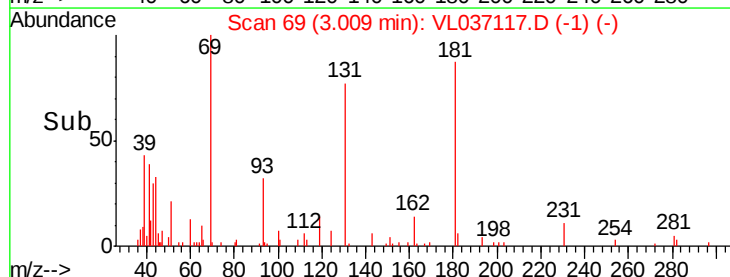
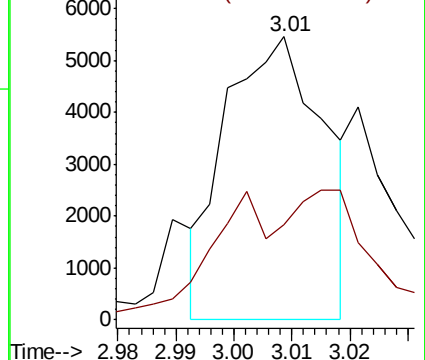
Ion Ratio Lower Upper

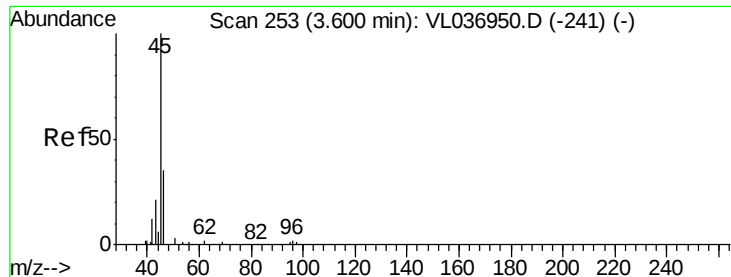
41 100

42 0.0 53.9 80.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 42.10 (41.80 to 42.80): VL0

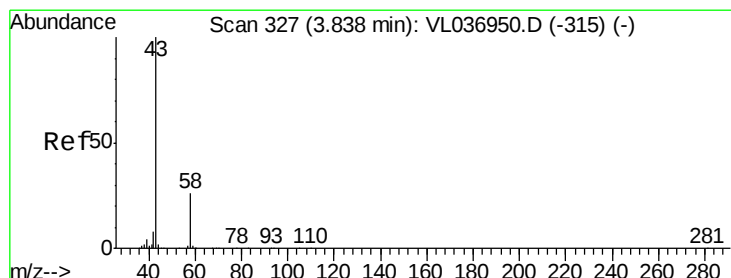
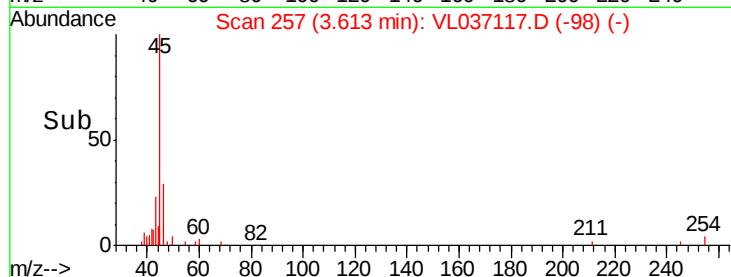
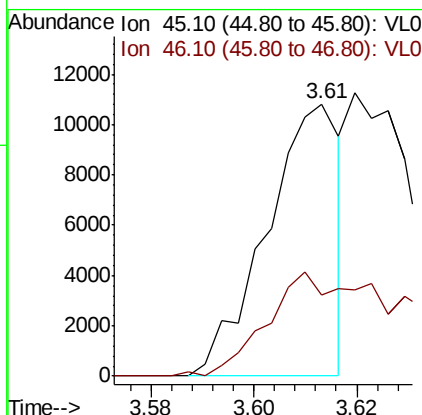
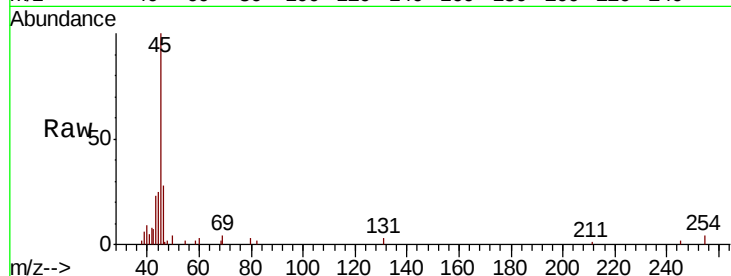




#13
Ethanol
Concen: 0.874 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL037117.D
Acq: 3 Jun 2021 1:31

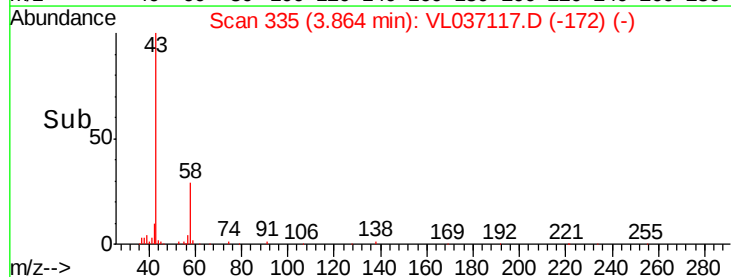
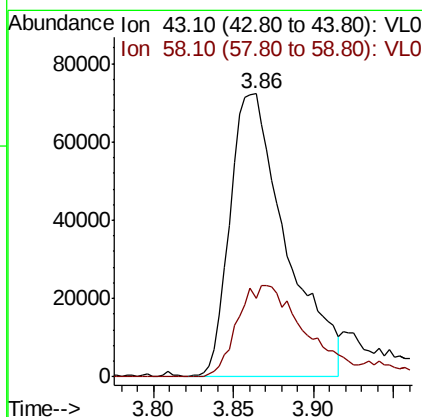
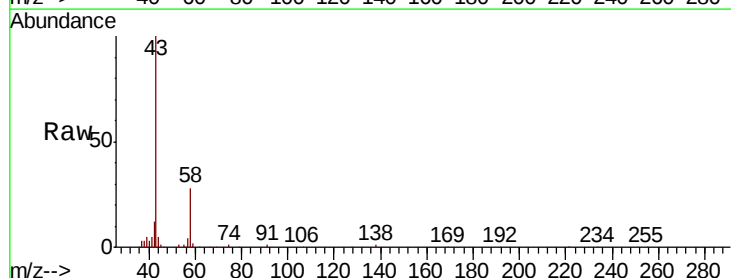
Instrument :
MSVOA_L
ClientSampleId :

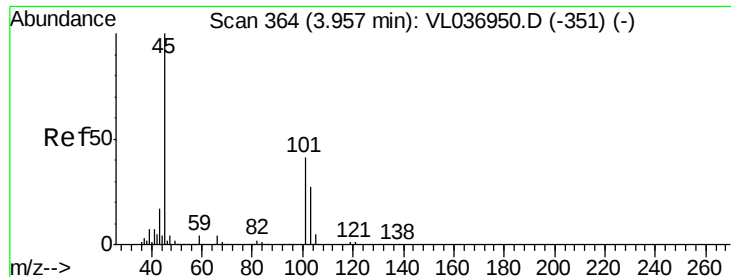
Tot Ion: 45 Resp: 10666
Ion Ratio Lower Upper
45 100
46 112.9 16.3 65.3#



#15
Acetone
Concen: 1.212 ppbv
RT: 3.86 min Scan# 335
Delta R.T. 0.03 min
Lab File: VL037117.D
Acq: 3 Jun 2021 1:31

Tgt Ion: 43 Resp: 173193
Ion Ratio Lower Upper
43 100
58 42.2 24.0 36.0#





#19

Isopropyl Alcohol

Concen: 1.529 ppbv

RT: 3.99 min Scan# 374

Delta R.T. 0.03 min

Lab File: VL037117.D

Acq: 3 Jun 2021 1:31

Instrument :

MSVOA_L

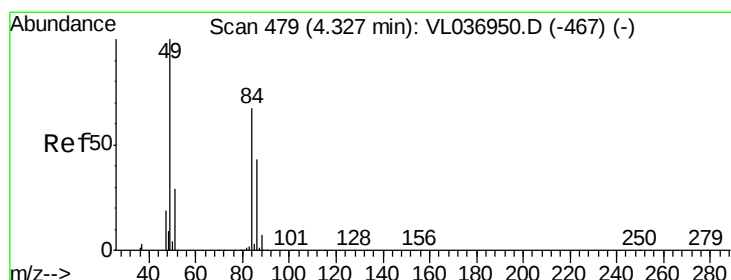
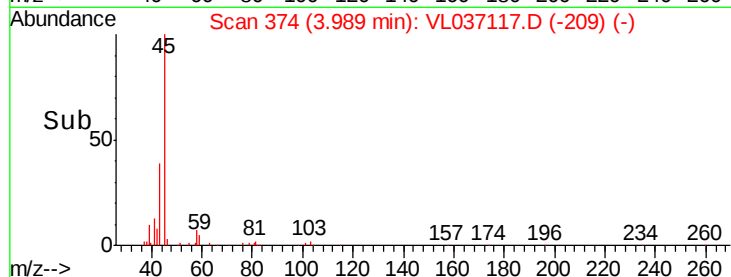
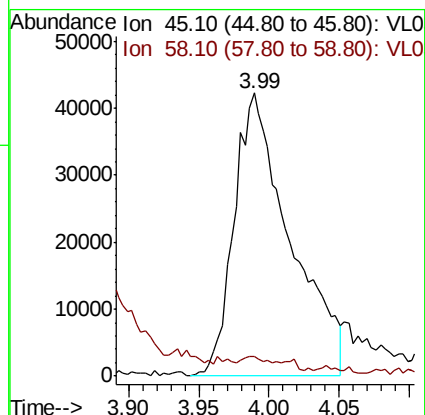
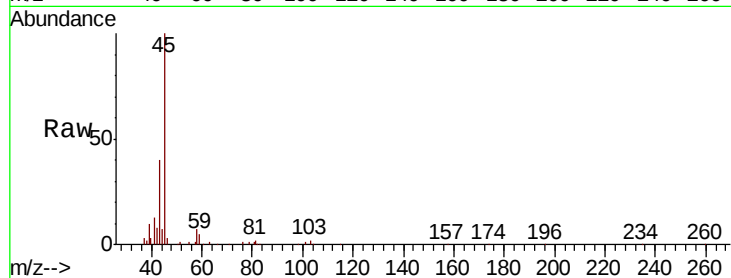
ClientSampleId :

Tot Ion: 45 Resp: 117408

Ion Ratio Lower Upper

45 100

58 8.3 37.2 55.8#



#20

Methylene Chloride

Concen: 0.100 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.00 min

Lab File: VL037117.D

Acq: 3 Jun 2021 1:31

Tgt Ion: 84 Resp: 7652

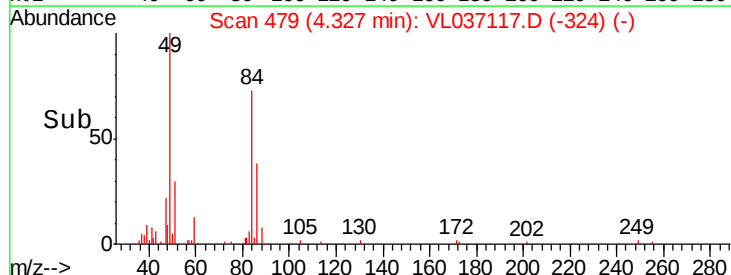
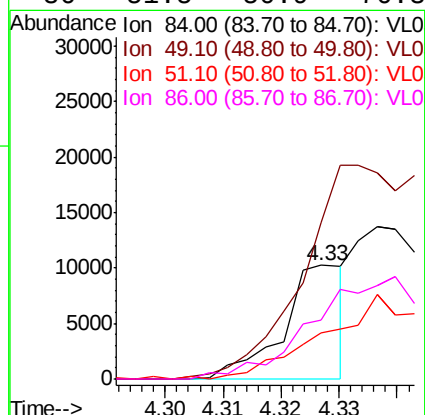
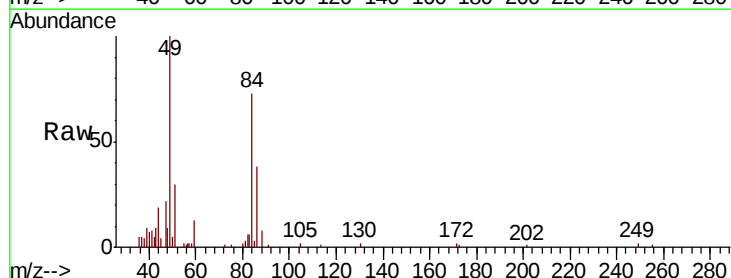
Ion Ratio Lower Upper

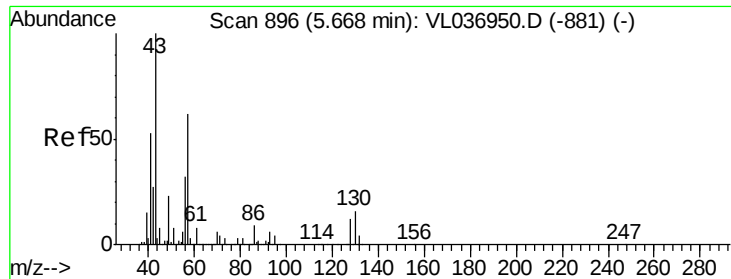
84 100

49 134.8 119.8 179.6

51 37.9 35.1 52.7

86 51.5 50.9 76.3

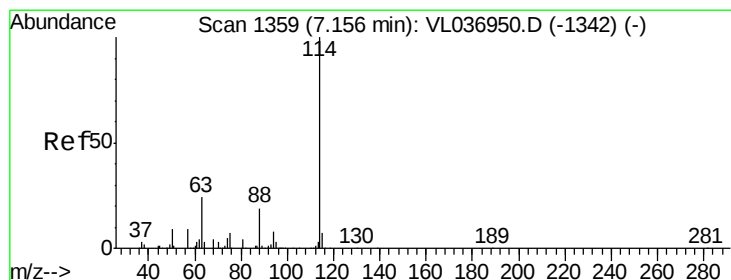
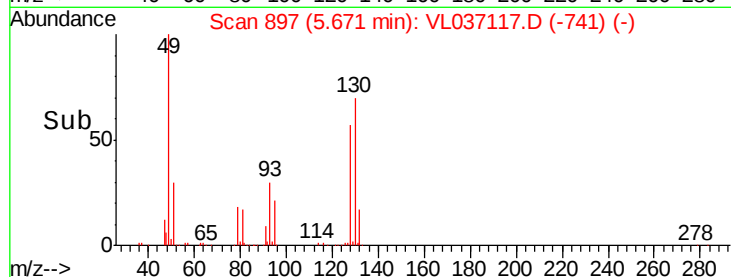
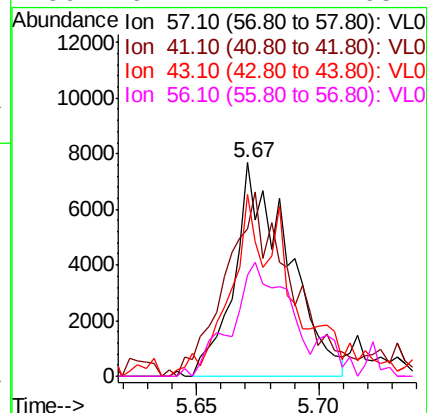
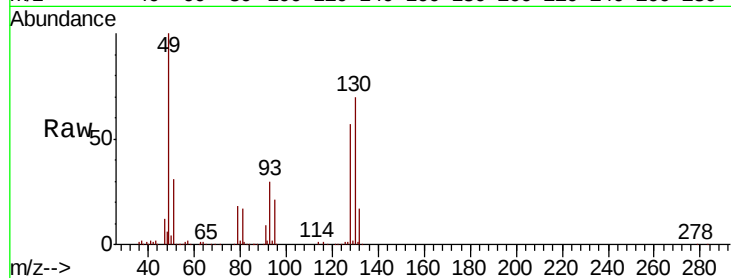




#26
Hexane
Concen: 0.067 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL037117.D
Acq: 3 Jun 2021 1:31

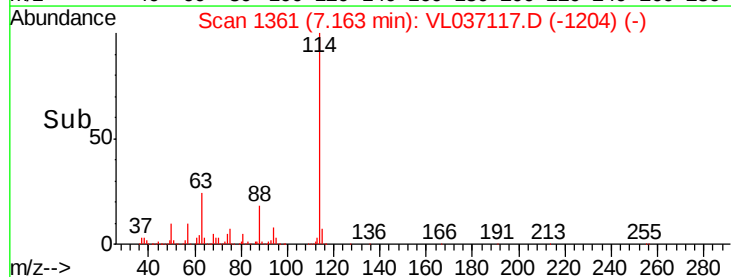
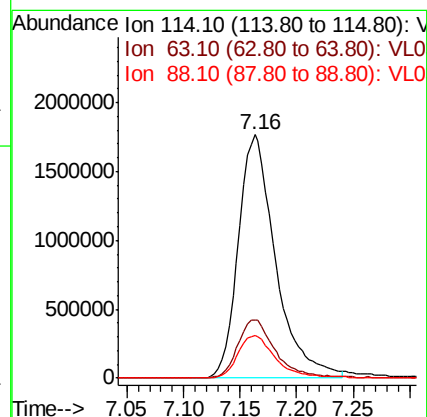
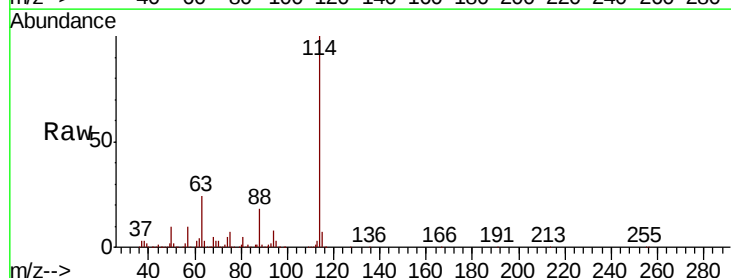
Instrument :
MSVOA_L
ClientSampled :

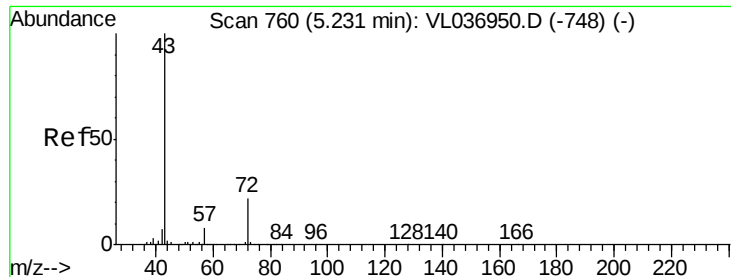
Tot Ion: 57 Resp: 11798
Ion Ratio Lower Upper
57 100
41 123.8 70.5 105.7#
43 103.9 165.8 248.8#
56 67.2 42.2 63.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1361
Delta R.T. 0.01 min
Lab File: VL037117.D
Acq: 3 Jun 2021 1:31

Tgt Ion:114 Resp: 4067216
Ion Ratio Lower Upper
114 100
63 24.5 19.6 29.4
88 18.0 14.6 21.8

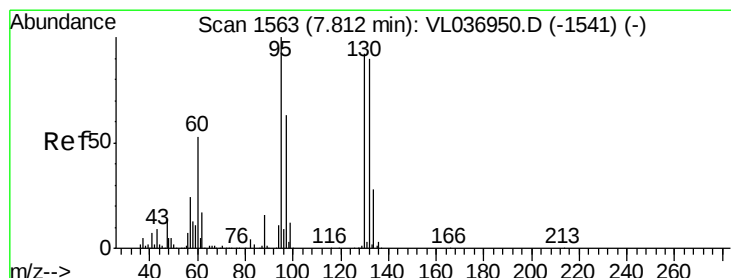
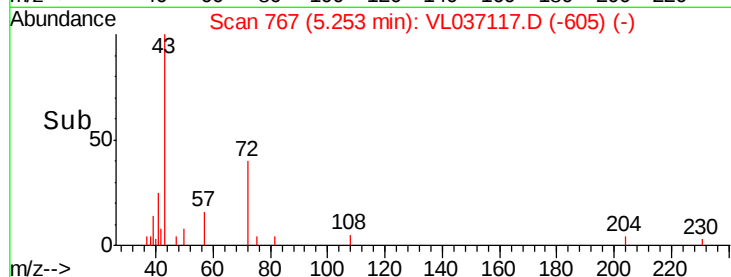
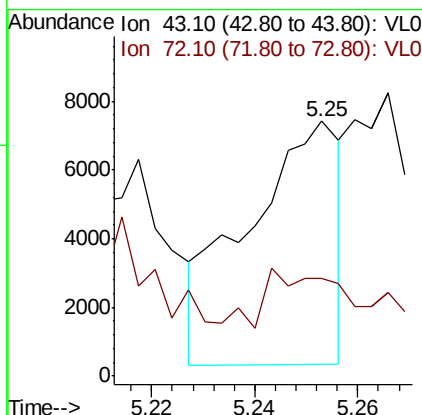
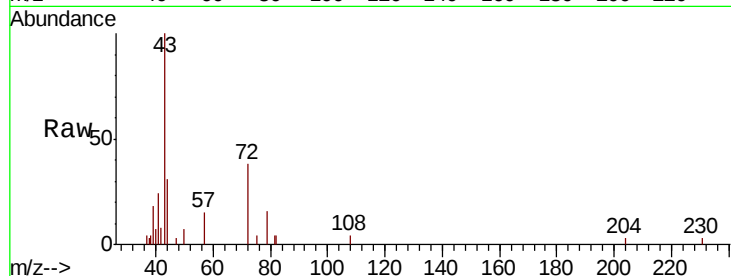




#34
2-Butanone
Concen: 0.060 ppbv
RT: 5.25 min Scan# 767
Delta R.T. 0.02 min
Lab File: VL037117.D
Acq: 3 Jun 2021 1:31

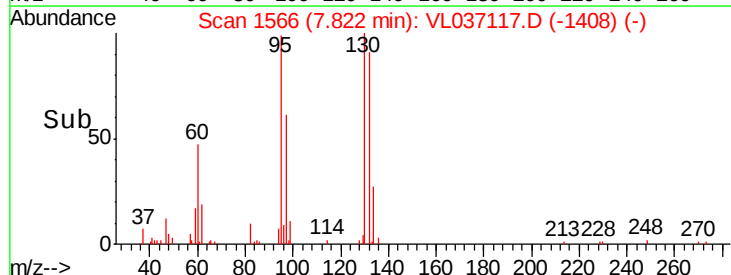
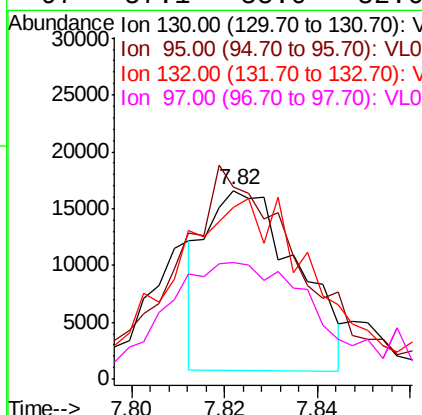
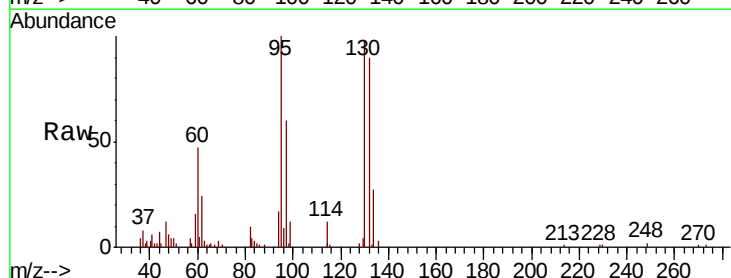
Instrument :
MSVOA_L
ClientSampled :

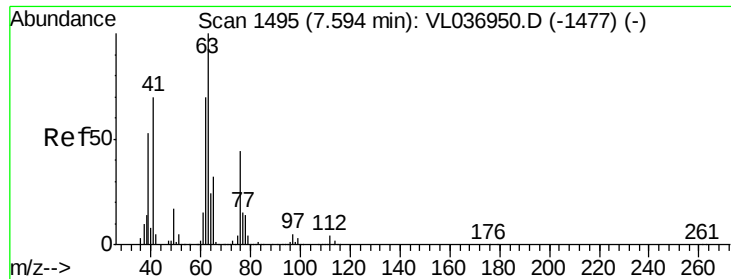
Tot Ion: 43 Resp: 8852
Ion Ratio Lower Upper
43 100
72 85.4 19.0 28.4#



#38
Trichloroethene
Concen: 0.144 ppbv
RT: 7.82 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VL037117.D
Acq: 3 Jun 2021 1:31

Tgt Ion: 130 Resp: 21548
Ion Ratio Lower Upper
130 100
95 78.9 86.9 130.3#
132 72.9 78.4 117.6#
97 57.1 55.0 82.6

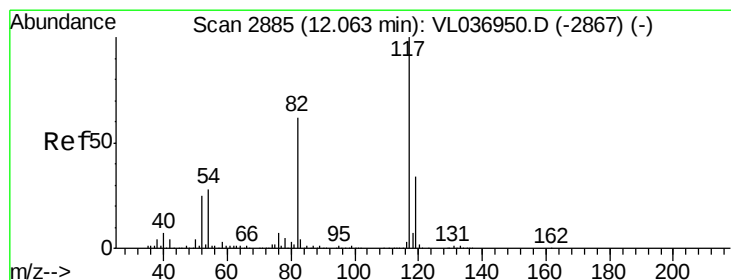
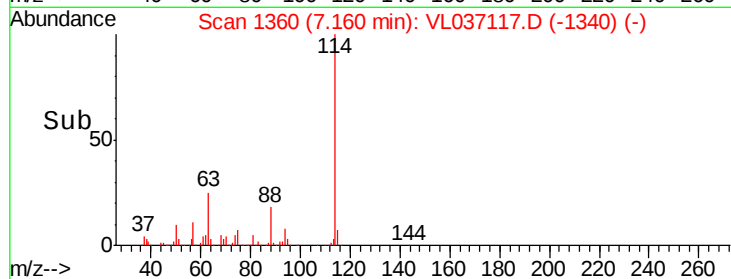
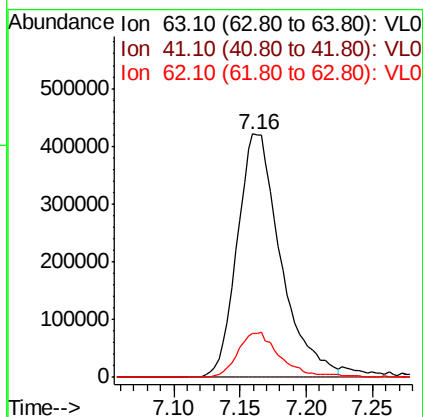
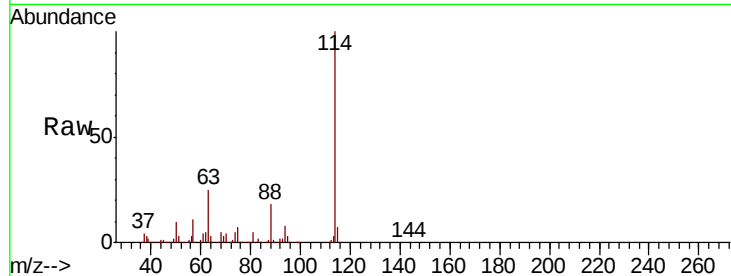




#39
 1,2-Dichloropropane
 Concen: 7.125 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.43 min
 Lab File: VL037117.D
 Acq: 3 Jun 2021 1:31

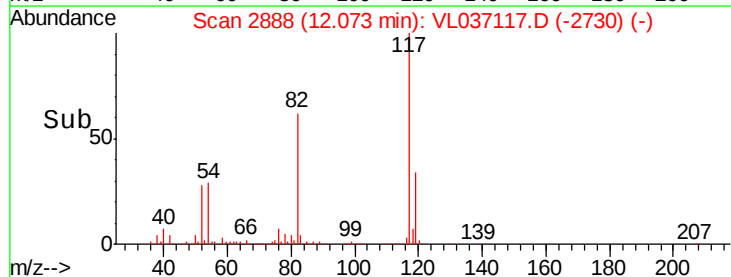
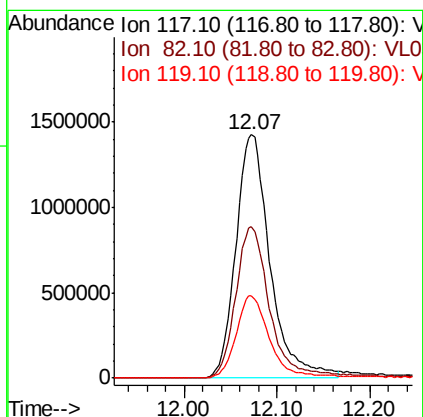
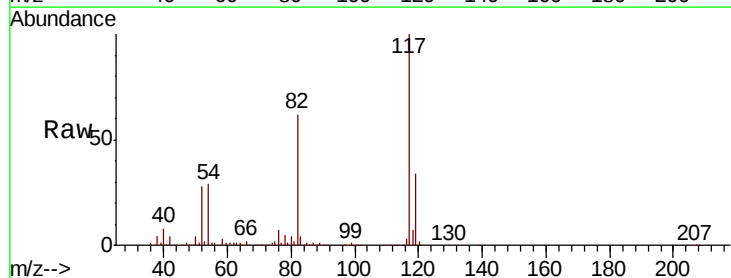
Instrument :
 MSVOA_L
 ClientSampled :

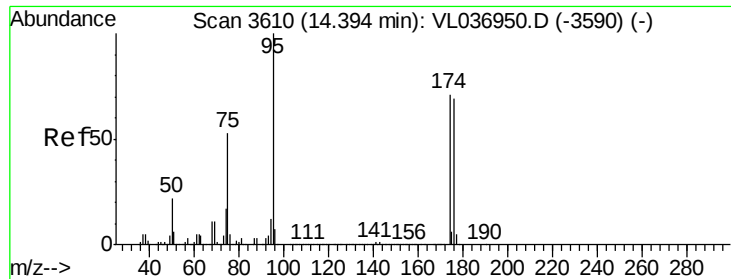
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.7	83.5#
62	18.3	56.2	84.4#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min Scan# 2888
 Delta R.T. 0.01 min
 Lab File: VL037117.D
 Acq: 3 Jun 2021 1:31

Tgt Ion	Ratio	Lower	Upper
117	100		
82	63.6	52.6	79.0
119	34.4	46.6	70.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.702 ppbv

RT: 14.40 min Scan# 3613

Delta R.T. 0.01 min

Lab File: VL037117.D

Acq: 3 Jun 2021 1:31

Instrument :

MSVOA_L

ClientSampleId :

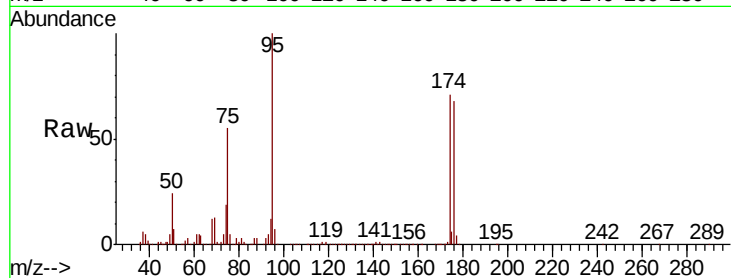
Tot Ion: 95 Resp: 2660277

Ion Ratio Lower Upper

95 100

174 75.9 58.4 87.6

175 5.4 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

