

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037474.D
 Acq On : 16 Aug 2021 23:18
 Operator : SY/AP
 Sample : M1458-14 0.03 LOQ
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 17 02:23:47 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1366705	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4145327	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3601919	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2513002	9.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

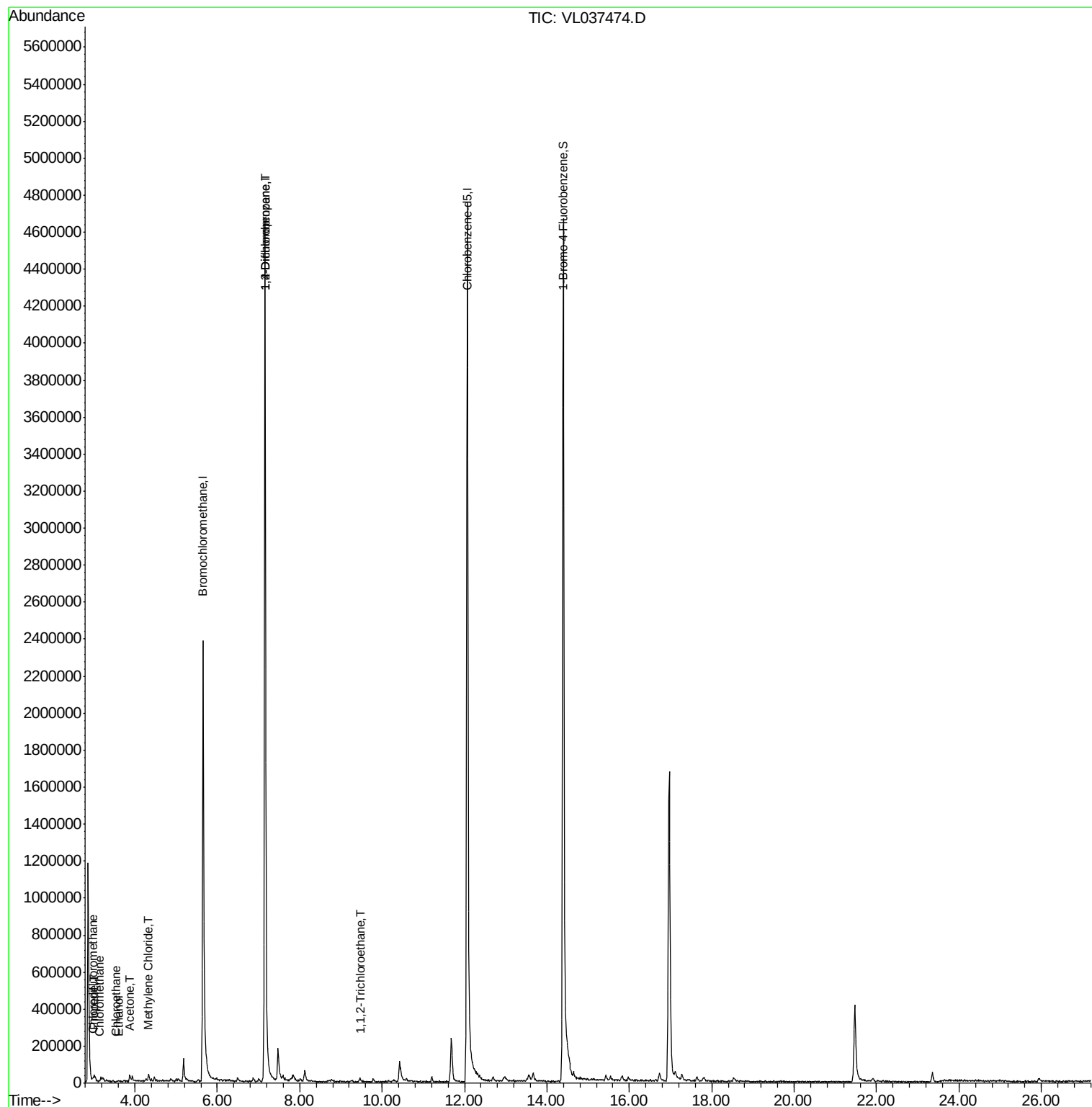
Target Compounds					Ovalue
3) Chlorodifluoromethane	2.98	51	16177	0.062 ppbv	97
4) Chloromethane	3.13	50	2810	0.030 ppbv #	75
7) Chloroethane	3.54	64	1794	0.055 ppbv #	73
9) Propene	3.01	41	4574	0.049 ppbv #	16
13) Ethanol	3.60	45	391	0.043 ppbv #	39
15) Acetone	3.87	43	16548	0.119 ppbv #	44
20) Methylene Chloride	4.34	84	6066	0.087 ppbv #	43
39) 1,2-Dichloropropane	7.16	63	984872	7.355 ppbv #	27
47) 1,1,2-Trichloroethane	9.46	97	5061	0.035 ppbv #	52

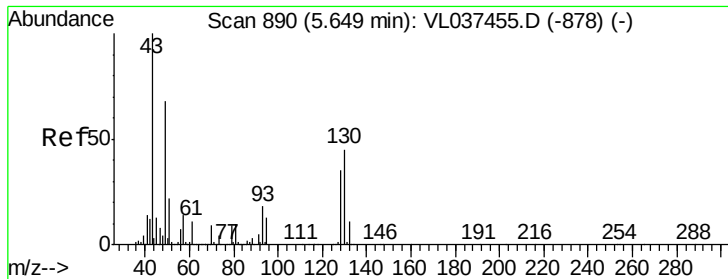
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081621\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037474.D

Acq: 16 Aug 2021 23:18

Instrument :

MSVOA_L

ClientSampleId :

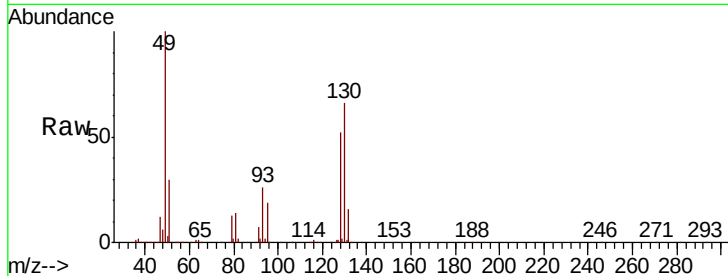
Tot Ion: 49 Resp: 1366705

Ion Ratio Lower Upper

49 100

128 56.0 27.5 82.4

130 72.6 34.0 101.8



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

800000

600000

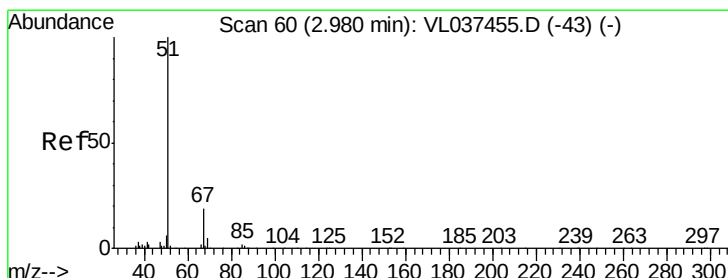
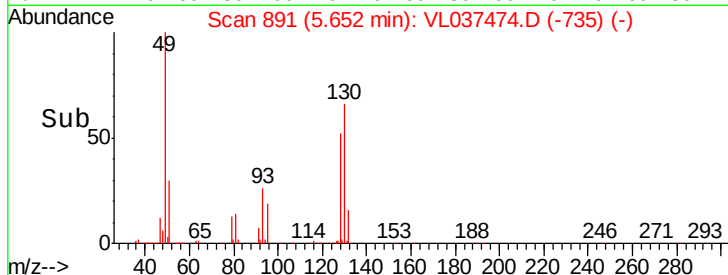
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#3

Chlorodifluoromethane

Concen: 0.062 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.00 min

Lab File: VL037474.D

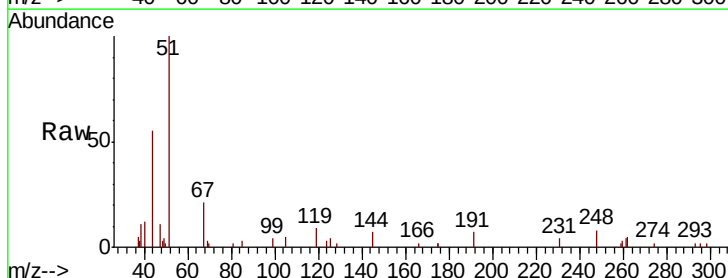
Acq: 16 Aug 2021 23:18

Tgt Ion: 51 Resp: 16177

Ion Ratio Lower Upper

51 100

67 18.9 14.2 21.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

10000

8000

6000

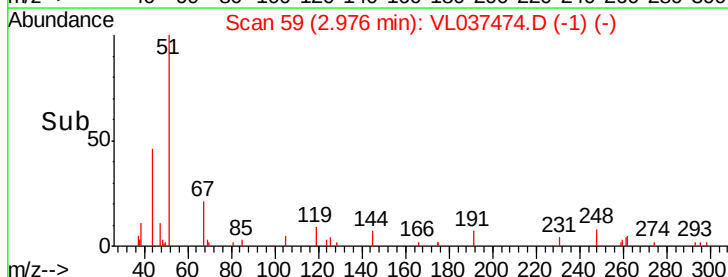
4000

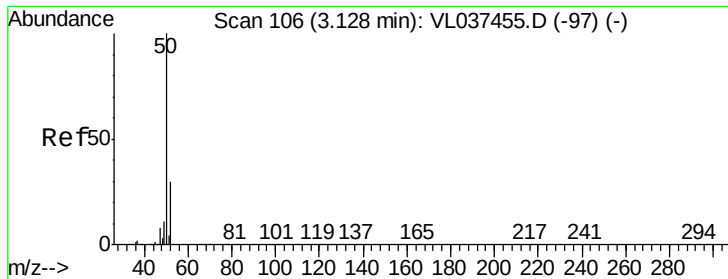
2000

0

2.90 3.00 3.10

Time-->





#4

Chloromethane

Concen: 0.030 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL037474.D

Acq: 16 Aug 2021 23:18

Instrument :

MSVOA_L

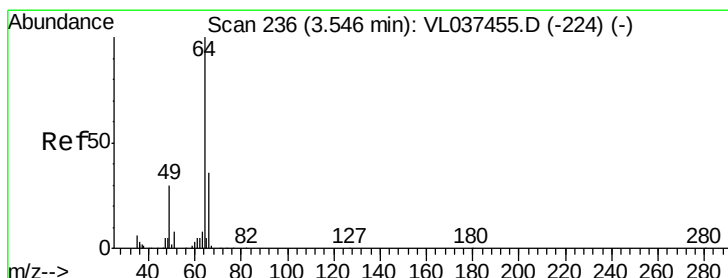
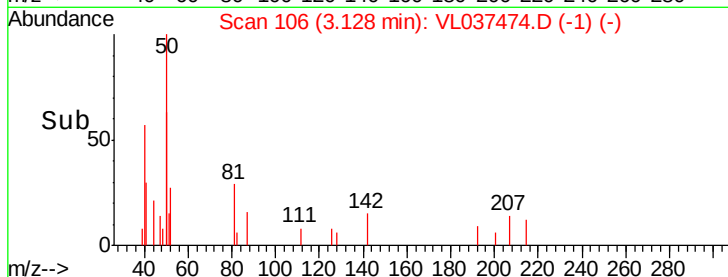
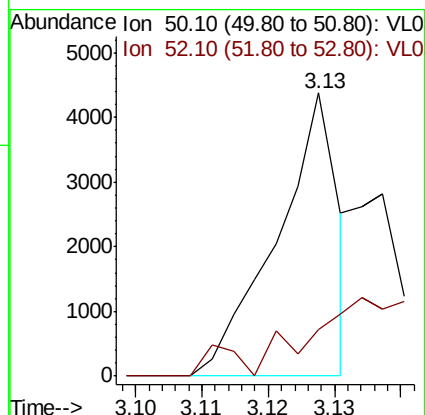
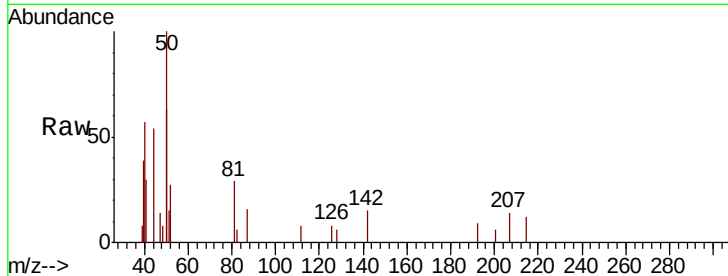
ClientSampleId :

Tot Ion: 50 Resp: 2810

Ion Ratio Lower Upper

50 100

52 16.6 24.0 36.0#



#7

Chloroethane

Concen: 0.055 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.00 min

Lab File: VL037474.D

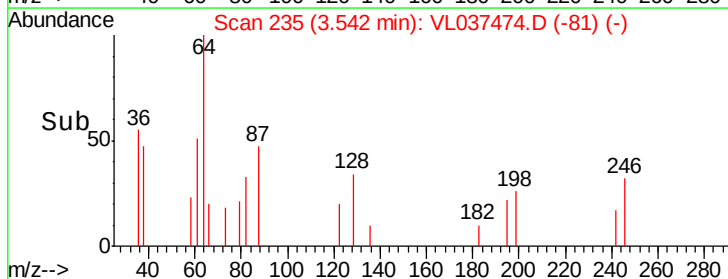
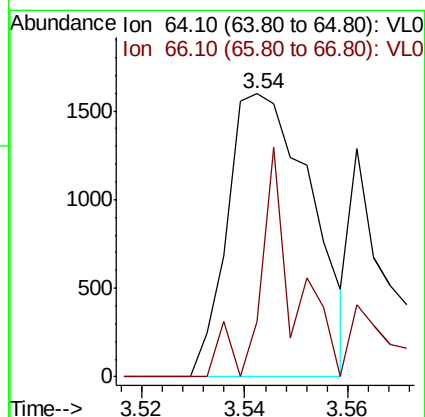
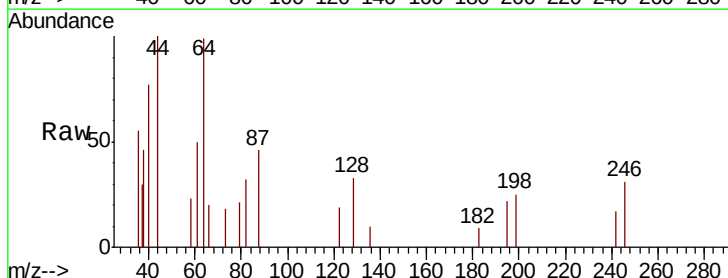
Acq: 16 Aug 2021 23:18

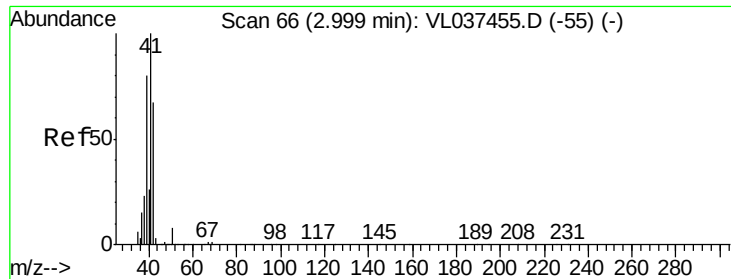
Tgt Ion: 64 Resp: 1794

Ion Ratio Lower Upper

64 100

66 19.8 28.6 43.0#





#9

Propene

Concen: 0.049 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.01 min

Lab File: VL037474.D

Acq: 16 Aug 2021 23:18

Instrument :

MSVOA_L

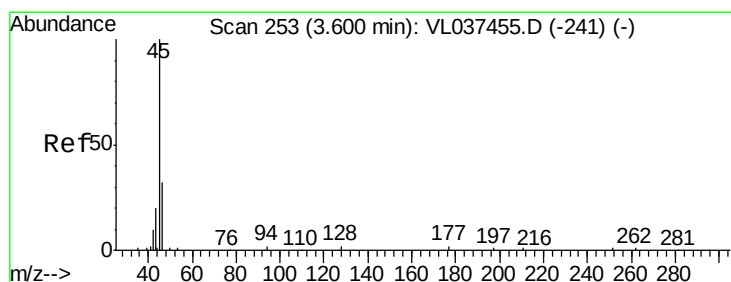
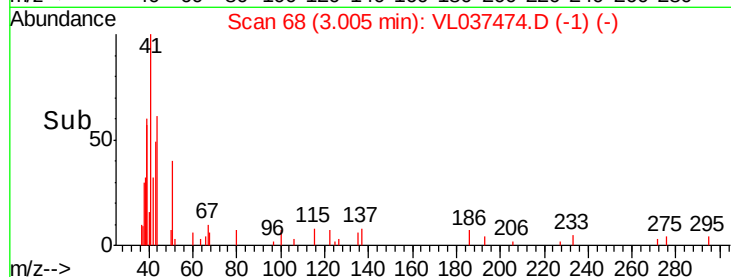
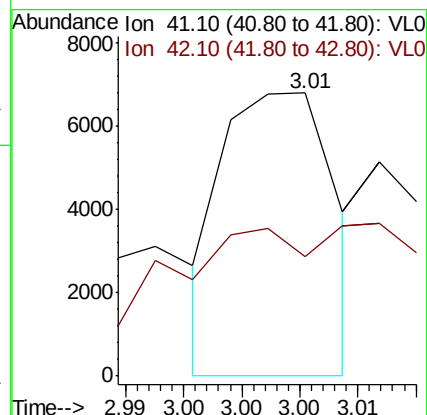
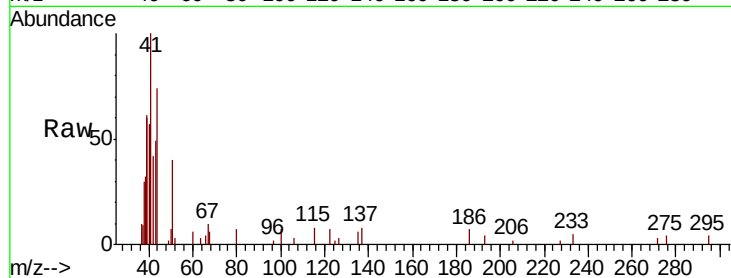
ClientSampleId :

Tot Ion: 41 Resp: 4574

Ion Ratio Lower Upper

41 100

42 0.0 53.7 80.5#



#13

Ethanol

Concen: 0.043 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.00 min

Lab File: VL037474.D

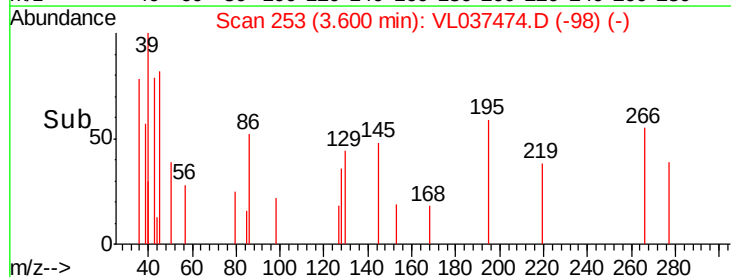
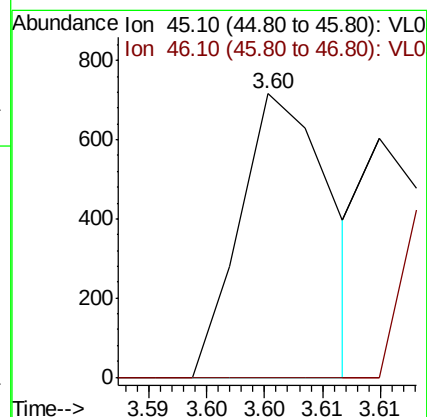
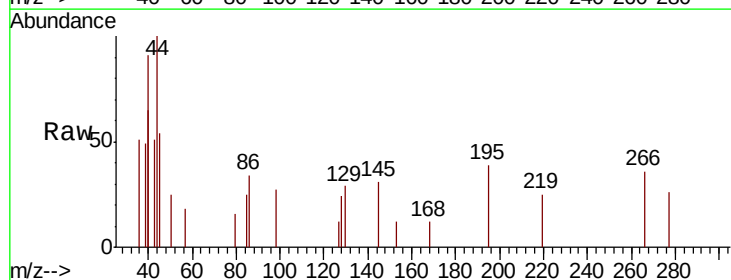
Acq: 16 Aug 2021 23:18

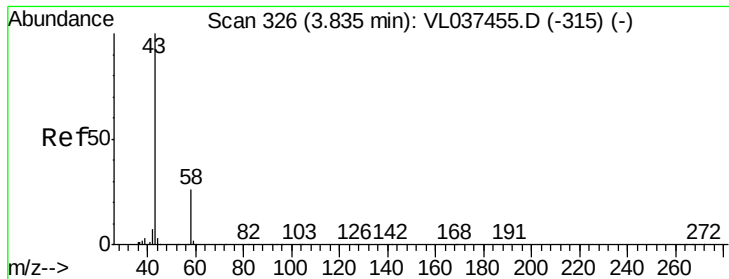
Tgt Ion: 45 Resp: 391

Ion Ratio Lower Upper

45 100

46 0.0 14.1 56.5#





#15

Acetone

Concen: 0.119 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.03 min

Lab File: VL037474.D

Acq: 16 Aug 2021 23:18

Instrument :

MSVOA_L

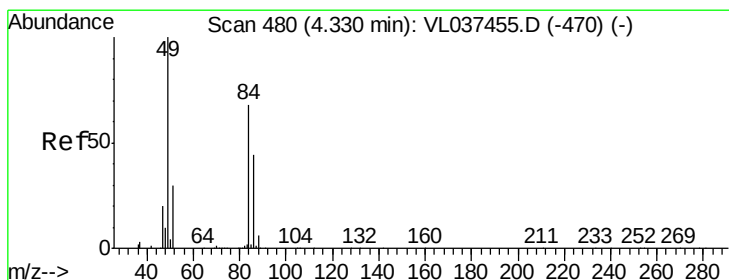
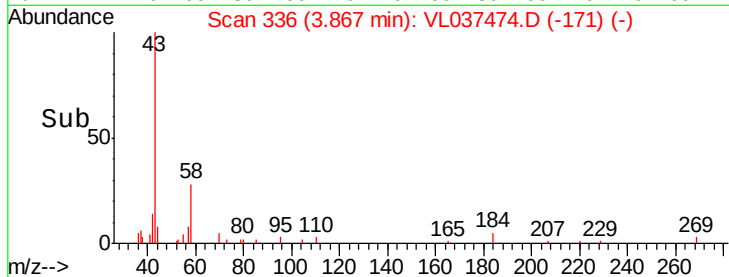
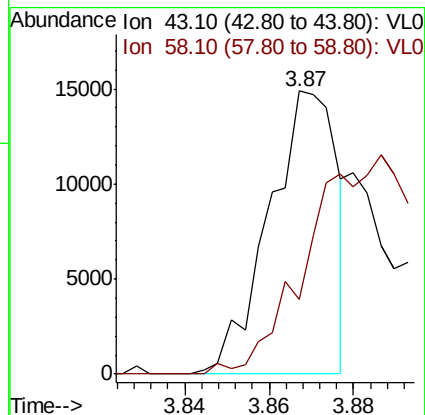
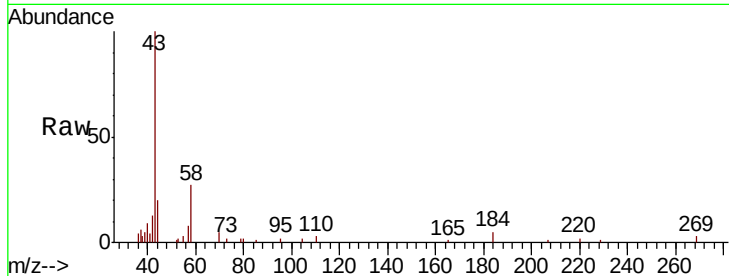
ClientSampleId :

Tot Ion: 43 Resp: 16548

Ion Ratio Lower Upper

43 100

58 0.0 24.8 37.2#



#20

Methylene Chloride

Concen: 0.087 ppbv

RT: 4.34 min Scan# 482

Delta R.T. 0.01 min

Lab File: VL037474.D

Acq: 16 Aug 2021 23:18

Tgt Ion: 84 Resp: 6066

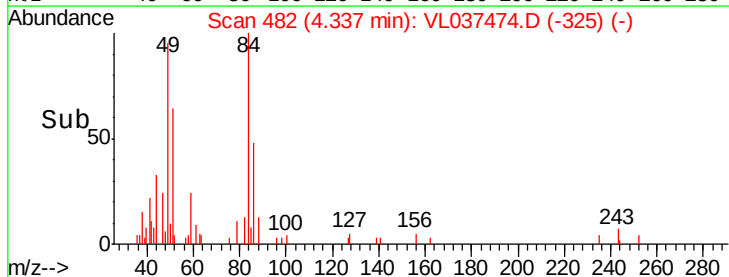
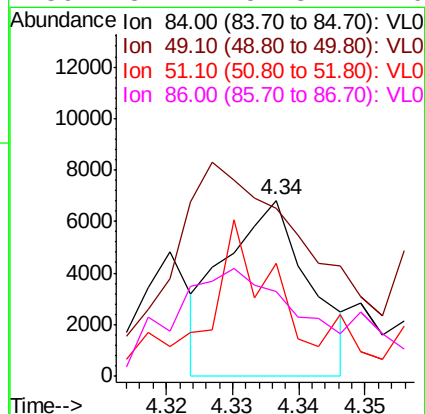
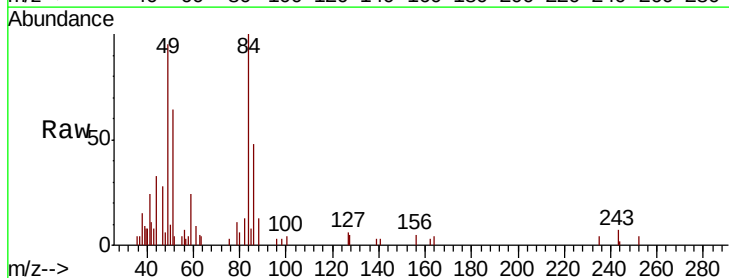
Ion Ratio Lower Upper

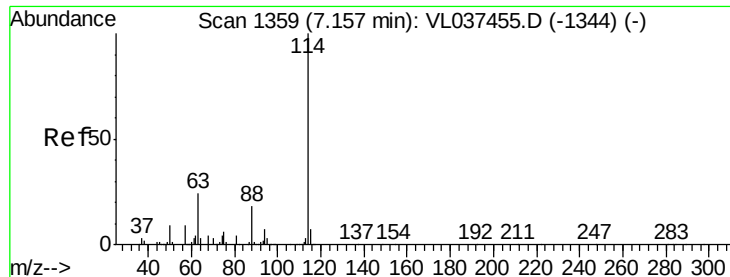
84 100

49 51.3 118.2 177.2#

51 61.4 36.6 55.0#

86 37.2 51.8 77.6#

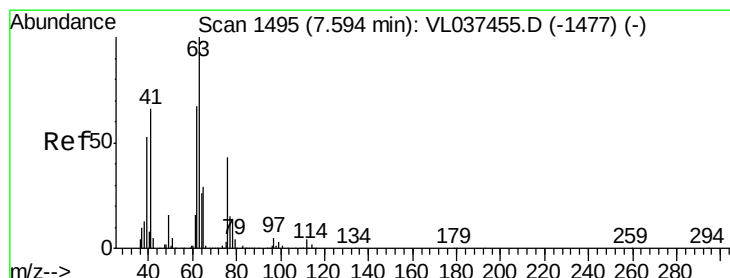
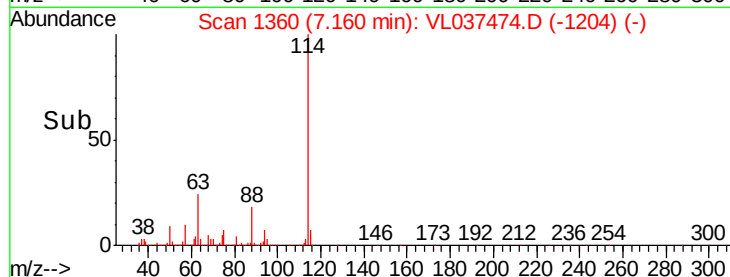
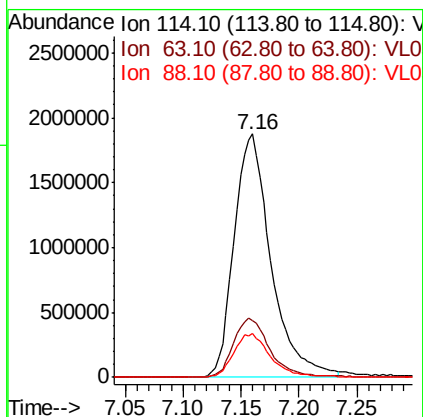
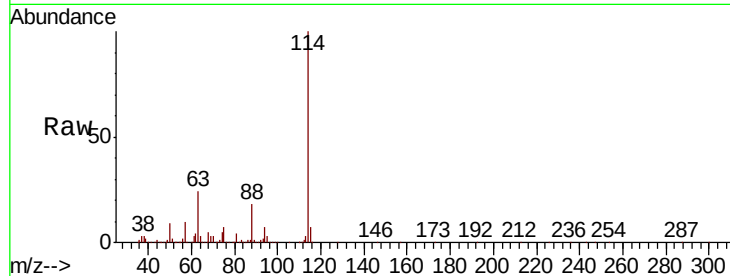




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037474.D
 Acq: 16 Aug 2021 23:18

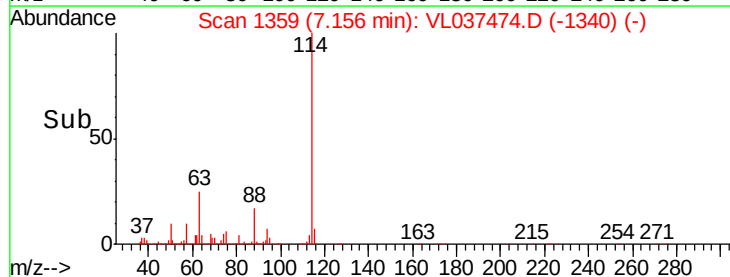
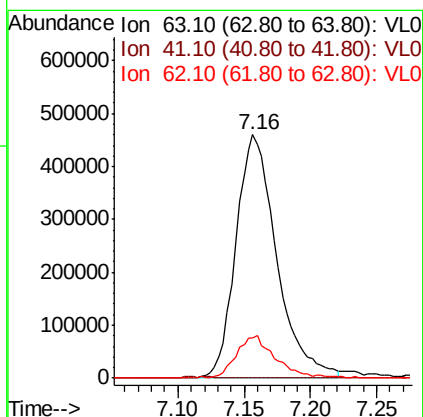
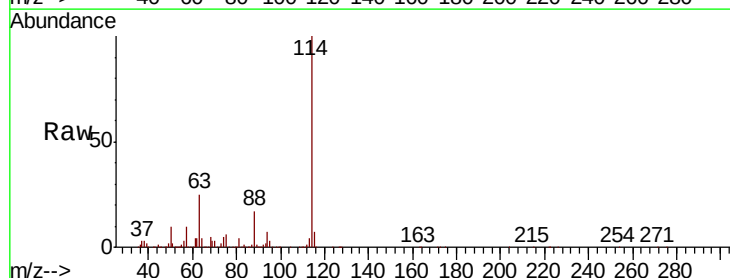
Instrument :
 MSVOA_L
 ClientSampleId :

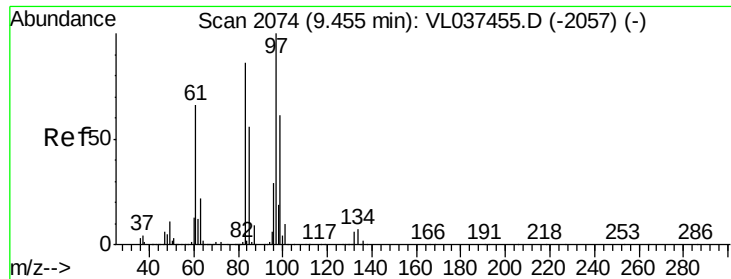
Tot Ion:114 Resp: 4145327
 Ion Ratio Lower Upper
 114 100
 63 24.5 19.3 28.9
 88 18.2 14.2 21.4



#39
 1,2-Dichloropropane
 Concen: 7.355 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.44 min
 Lab File: VL037474.D
 Acq: 16 Aug 2021 23:18

Tgt Ion: 63 Resp: 984872
 Ion Ratio Lower Upper
 63 100
 41 0.0 52.4 78.6#
 62 16.5 53.6 80.4#

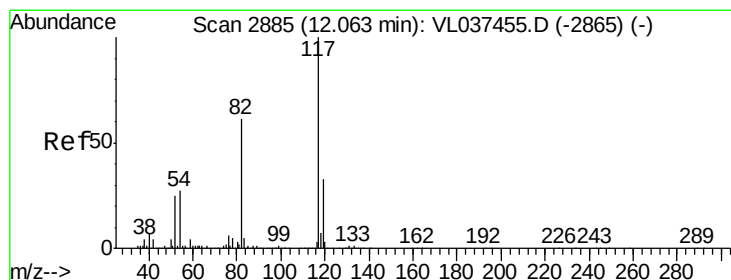
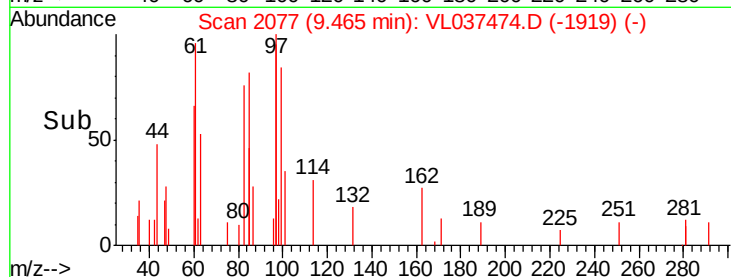
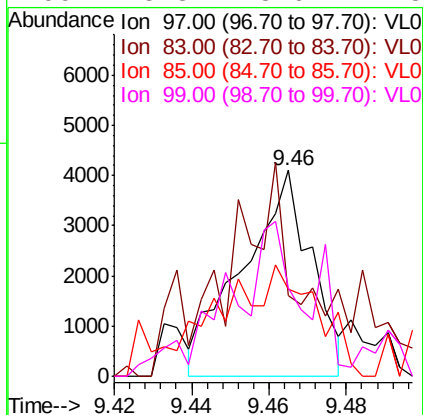
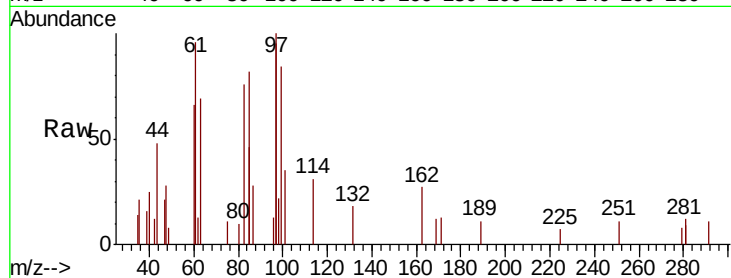




#47
 1,1,2-Trichloroethane
 Concen: 0.035 ppbv
 RT: 9.46 min Scan# 2077
 Delta R.T. 0.01 min
 Lab File: VL037474.D
 Acq: 16 Aug 2021 23:18

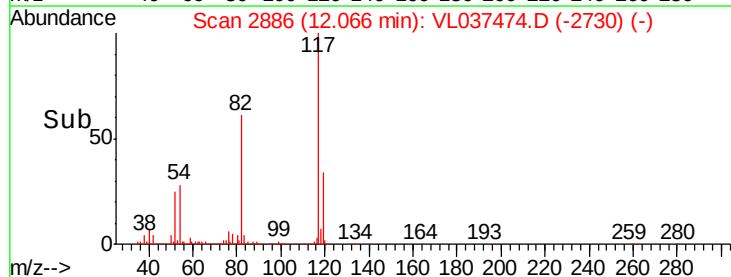
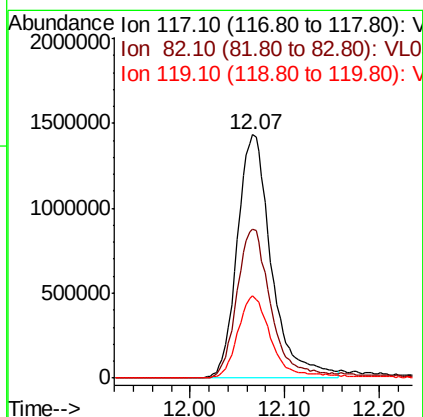
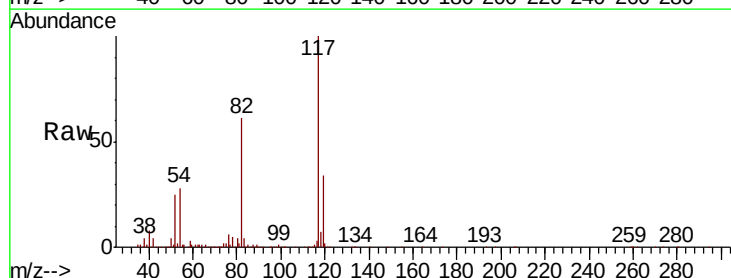
Instrument :
 MSVOA_L
 ClientSampled :

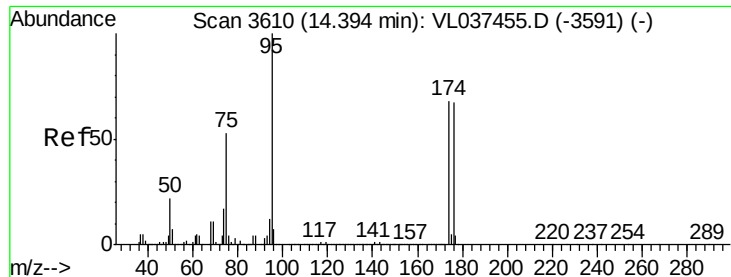
Tot Ion: 97 Resp: 5061
 Ion Ratio Lower Upper
 97 100
 83 28.3 68.7 103.1#
 85 18.2 44.7 67.1#
 99 43.3 48.6 72.8#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min Scan# 2886
 Delta R.T. 0.00 min
 Lab File: VL037474.D
 Acq: 16 Aug 2021 23:18

Tgt Ion: 117 Resp: 3601919
 Ion Ratio Lower Upper
 117 100
 82 64.1 52.9 79.3
 119 34.2 24.8 37.2





#68

1-Bromo-4-Fluorobenzene

Concen: 9.820 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.00 min

Lab File: VL037474.D

Acq: 16 Aug 2021 23:18

Instrument :

MSVOA_L

ClientSampleId :

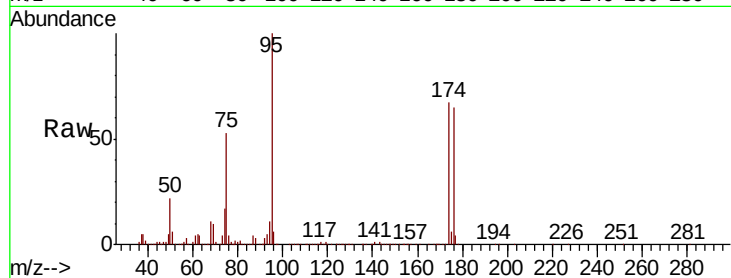
Tot Ion: 95 Resp: 2513002

Ion Ratio Lower Upper

95 100

174 76.3 59.6 89.4

175 5.4 4.6 7.0



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

