

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091721\
 Data File : VL037643.D
 Acq On : 17 Sep 2021 16:01
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 18 06:18:18 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1402475	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4151188	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3482267	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2530976	10.06	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

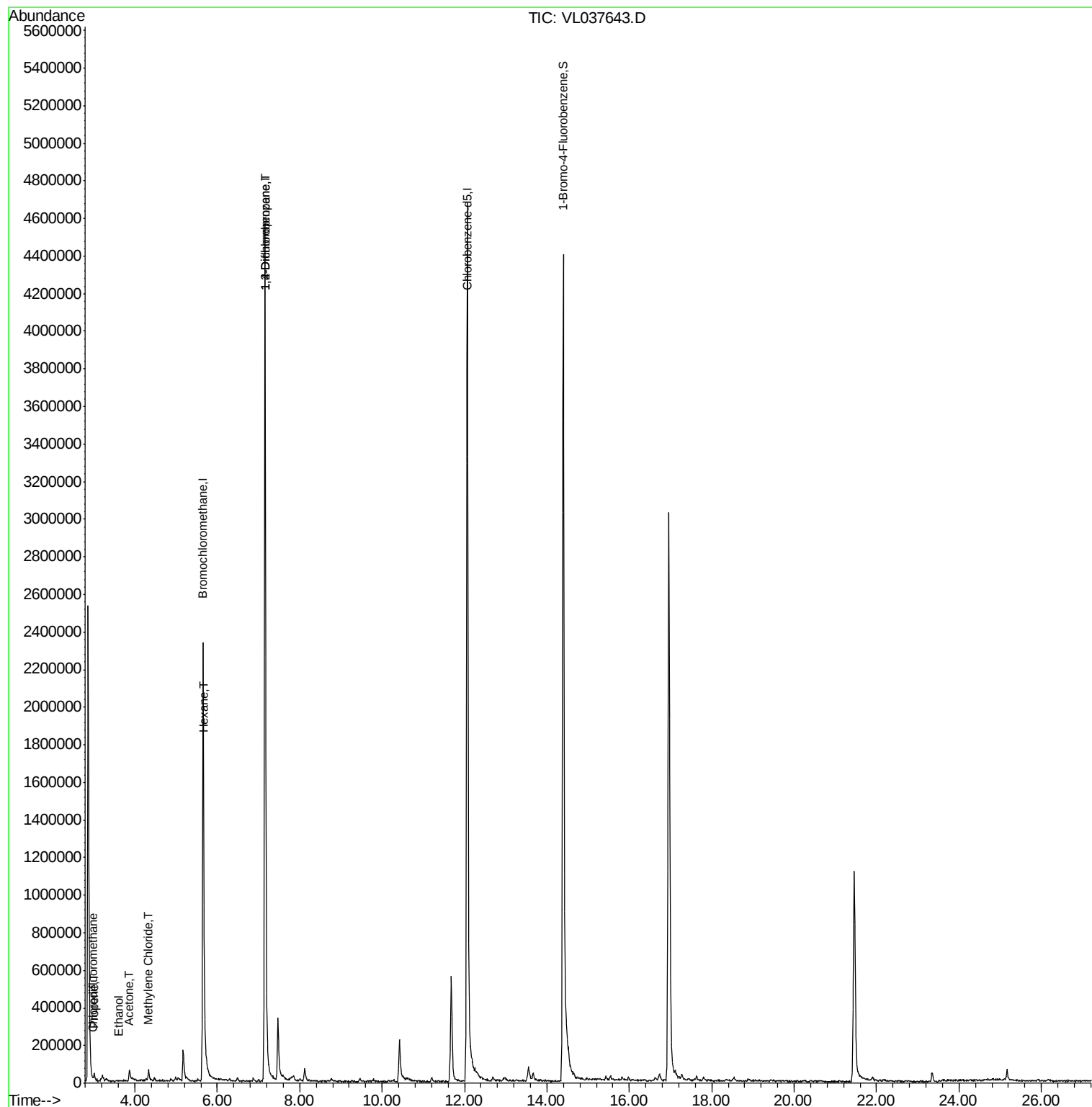
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	10921	0.041	ppbv	93
9) Propene	3.01	41	8971	0.096	ppbv #	80
13) Ethanol	3.60	45	330	0.036	ppbv #	33
15) Acetone	3.86	43	36003	0.247	ppbv #	44
20) Methylene Chloride	4.34	84	13095	0.188	ppbv #	77
26) Hexane	5.67	57	6897	0.041	ppbv #	57
39) 1,2-Dichloropropane	7.16	63	973117	7.340	ppbv #	27

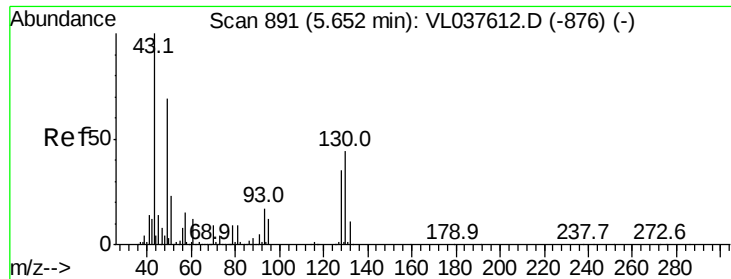
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091721\
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037643.D

Acq: 17 Sep 2021 16:01

Instrument :

MSVOA_L

ClientSampleId :

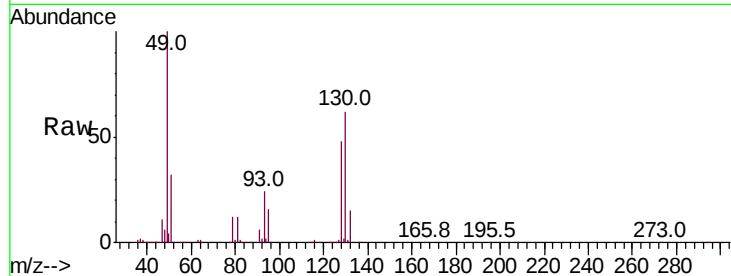
Tot Ion: 49 Resp: 1402475

Ion Ratio Lower Upper

49 100

128 54.1 27.9 83.6

130 69.1 33.9 101.7



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

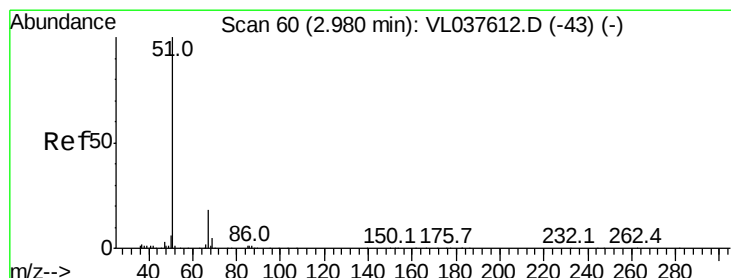
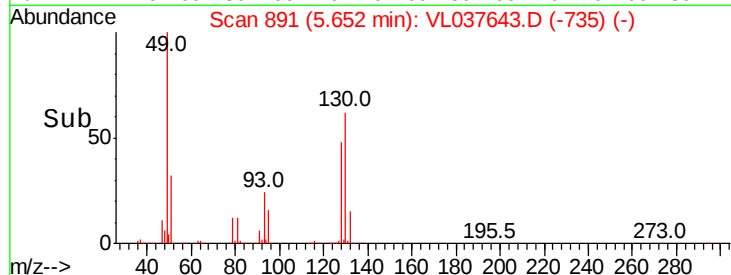
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#3

Chlorodifluoromethane

Concen: 0.041 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.00 min

Lab File: VL037643.D

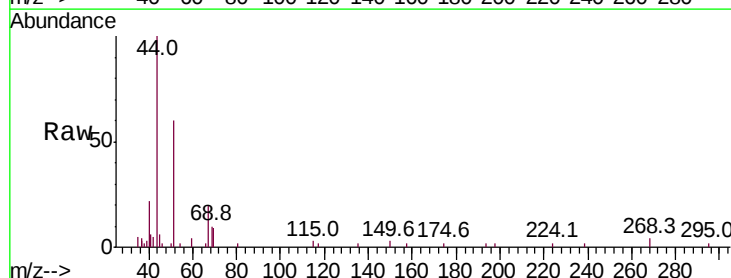
Acq: 17 Sep 2021 16:01

Tgt Ion: 51 Resp: 10921

Ion Ratio Lower Upper

51 100

67 14.6 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

6000

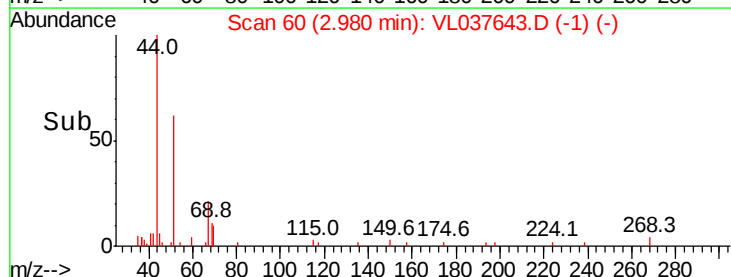
4000

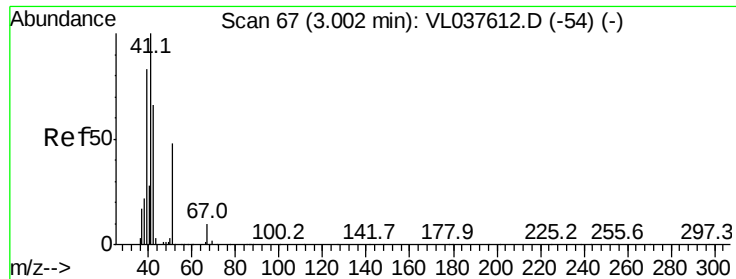
2000

0

2.90 2.95 3.00 3.05 3.10

Time-->





#9

Propene

Concen: 0.096 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.00 min

Lab File: VL037643.D

Acq: 17 Sep 2021 16:01

Instrument :

MSVOA_L

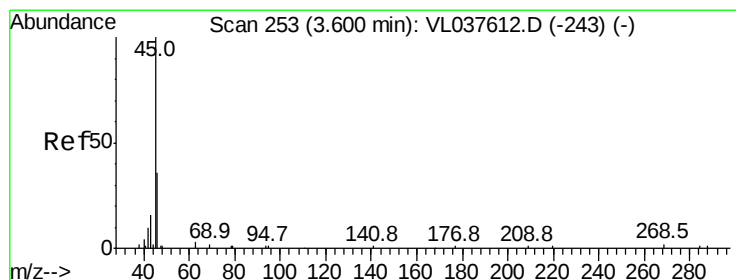
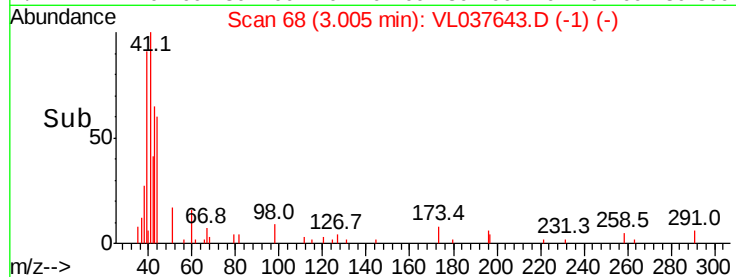
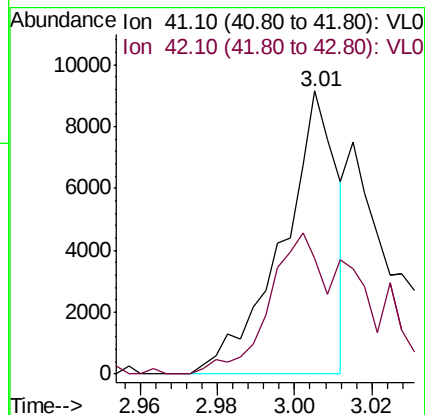
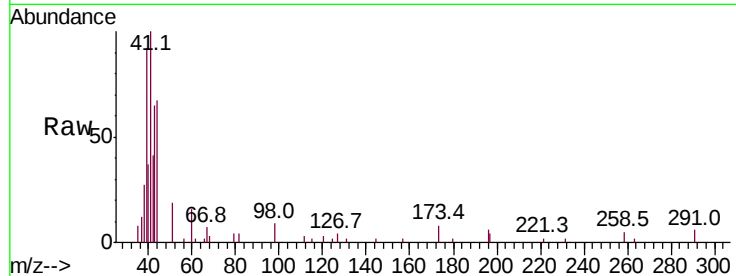
ClientSampled :

Tot Ion: 41 Resp: 8971

Ion Ratio Lower Upper

41 100

42 88.3 57.2 85.8#



#13

Ethanol

Concen: 0.036 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.00 min

Lab File: VL037643.D

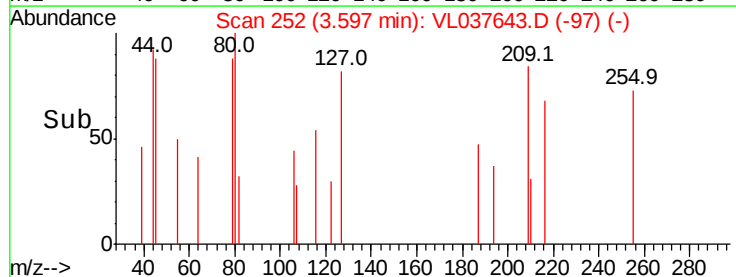
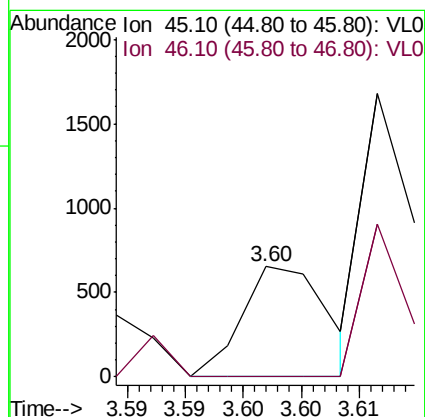
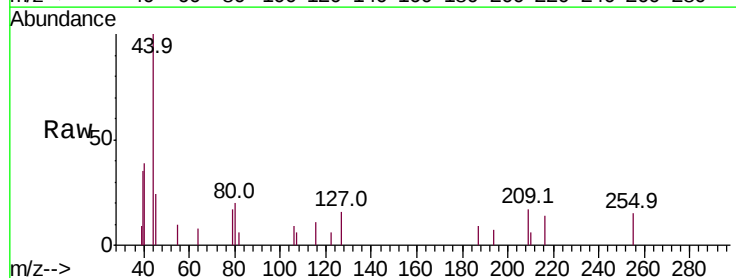
Acq: 17 Sep 2021 16:01

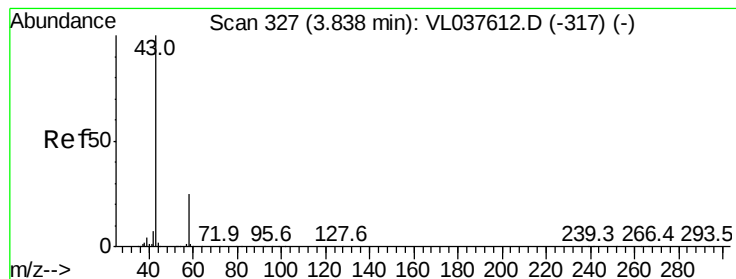
Tgt Ion: 45 Resp: 330

Ion Ratio Lower Upper

45 100

46 0.0 17.2 68.8#





#15

Acetone

Concen: 0.247 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.02 min

Lab File: VL037643.D

Acq: 17 Sep 2021 16:01

Instrument :

MSVOA_L

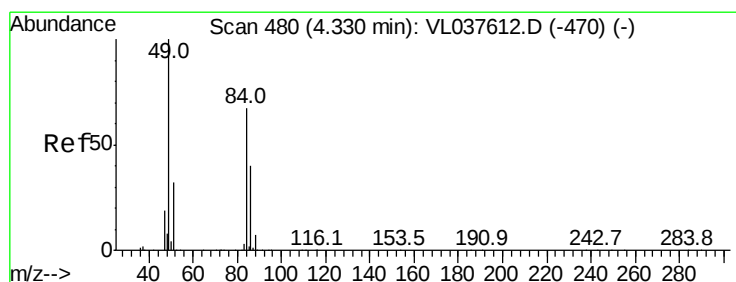
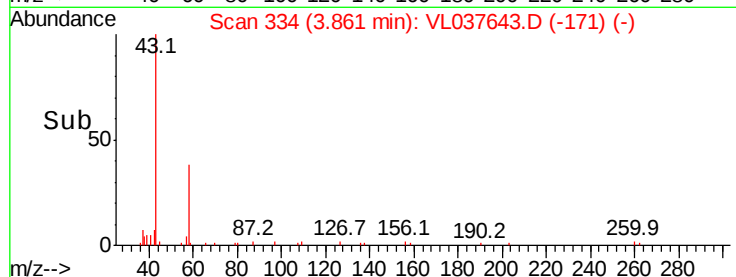
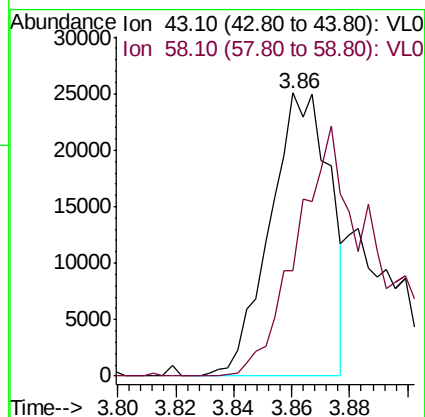
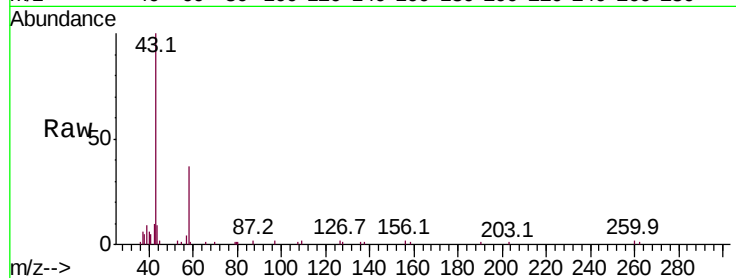
ClientSampleId :

Tot Ion: 43 Resp: 36003

Ion Ratio Lower Upper

43 100

58 0.0 24.9 37.3#



#20

Methylene Chloride

Concen: 0.188 ppbv

RT: 4.34 min Scan# 482

Delta R.T. 0.01 min

Lab File: VL037643.D

Acq: 17 Sep 2021 16:01

Tgt Ion: 84 Resp: 13095

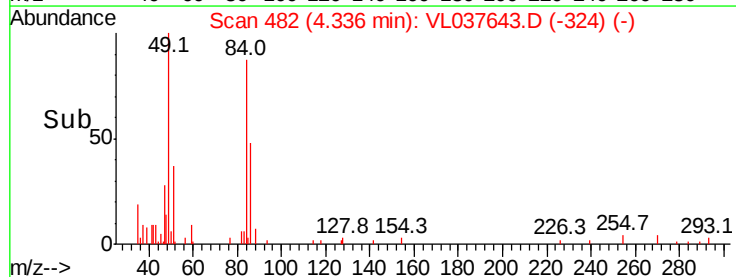
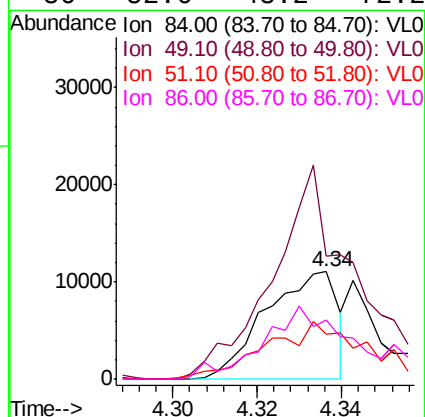
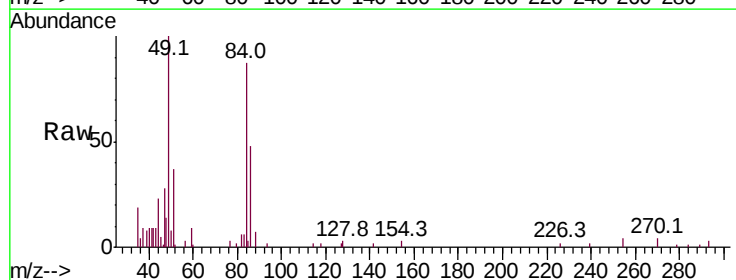
Ion Ratio Lower Upper

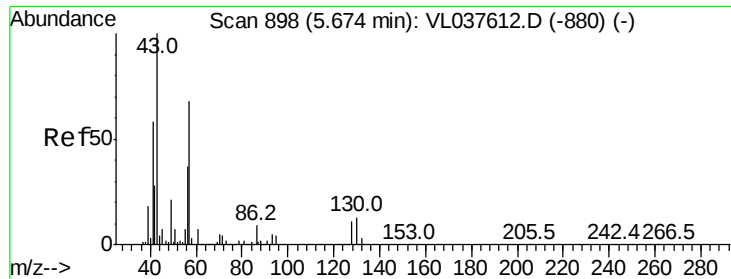
84 100

49 109.4 120.0 180.0#

51 40.3 38.0 57.0

86 52.6 48.2 72.2





#26

Hexane

Concen: 0.041 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

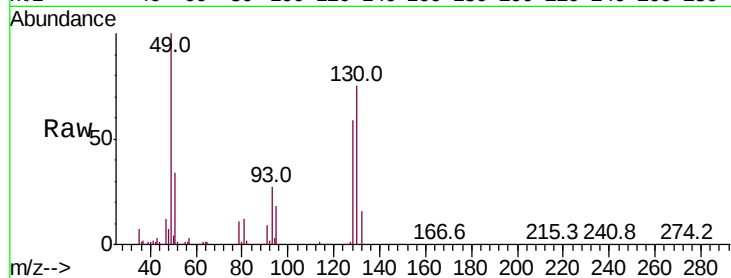
Lab File: VL037643.D

Acq: 17 Sep 2021 16:01

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 6897

Ion	Ratio	Lower	Upper
57	100		
41	175.8	70.9	106.3#
43	244.5	170.4	255.6
56	88.1	42.6	64.0#



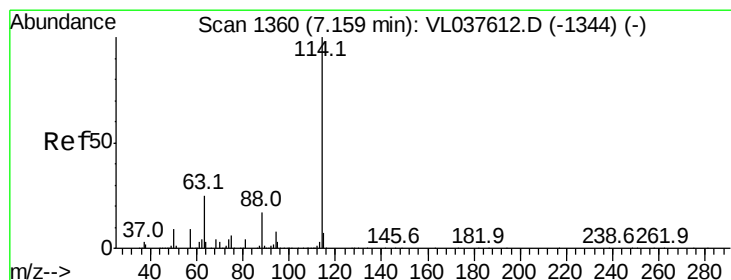
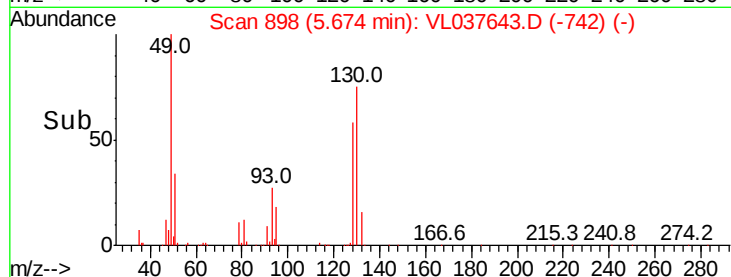
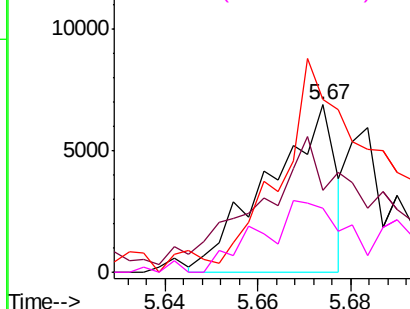
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1359

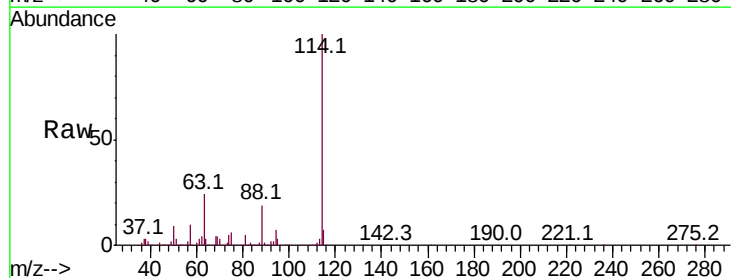
Delta R.T. -0.00 min

Lab File: VL037643.D

Acq: 17 Sep 2021 16:01

Tgt Ion: 114 Resp: 4151188

Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.6	29.4
88	18.3	14.2	21.4

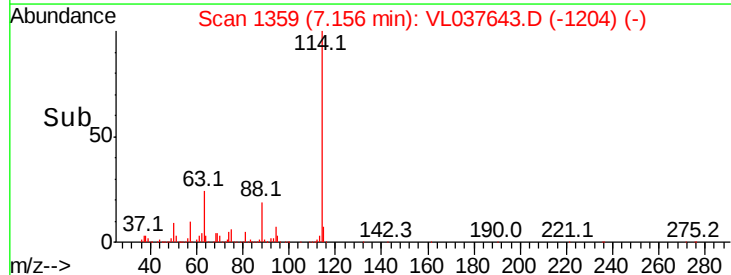
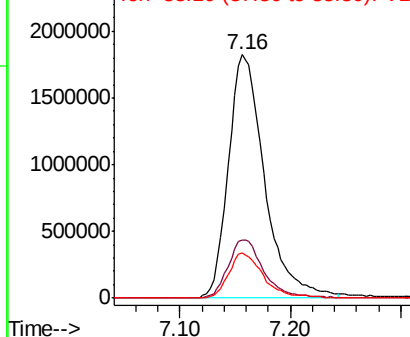


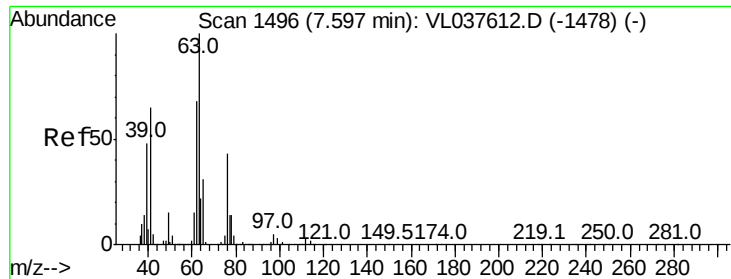
Abundance

Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

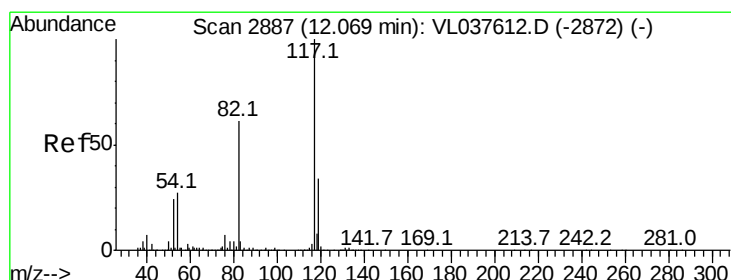
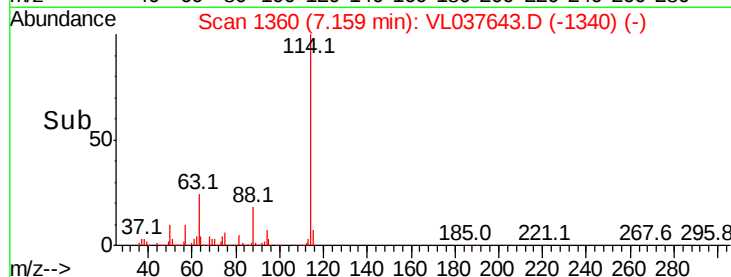
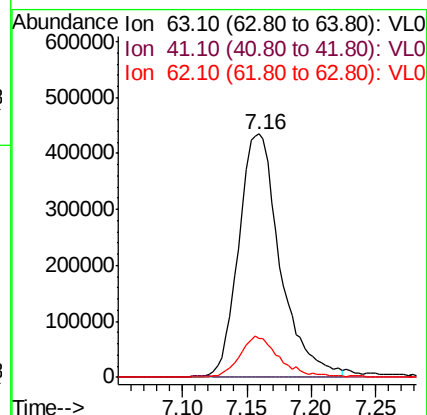
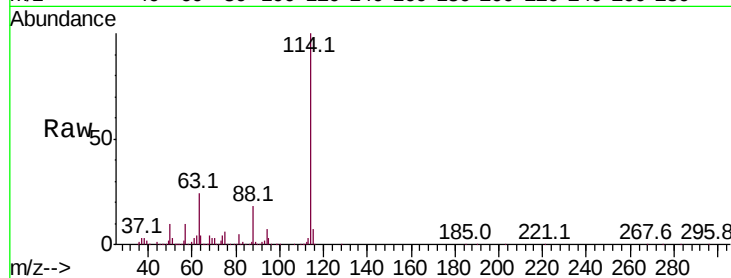




#39
 1,2-Dichloropropane
 Concen: 7.340 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.44 min
 Lab File: VL037643.D
 Acq: 17 Sep 2021 16:01

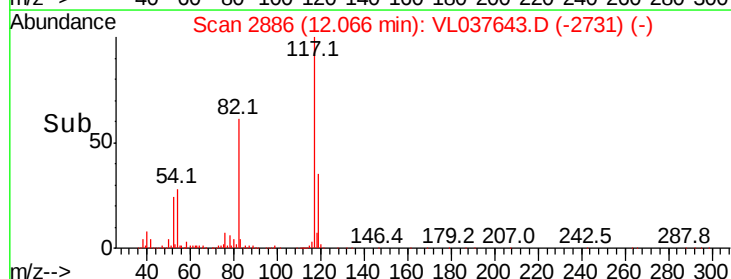
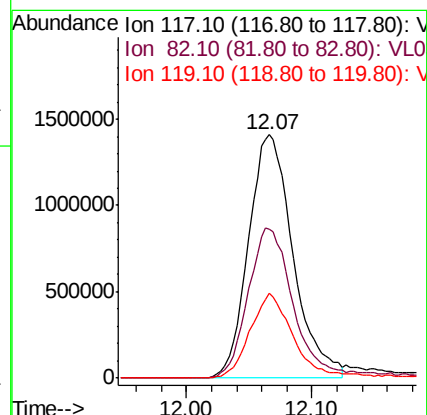
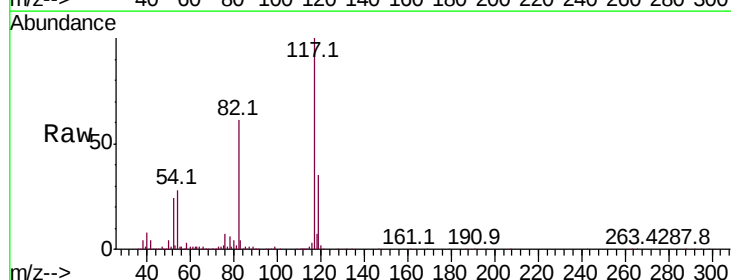
Instrument :
 MSVOA_L
 ClientSampleID :

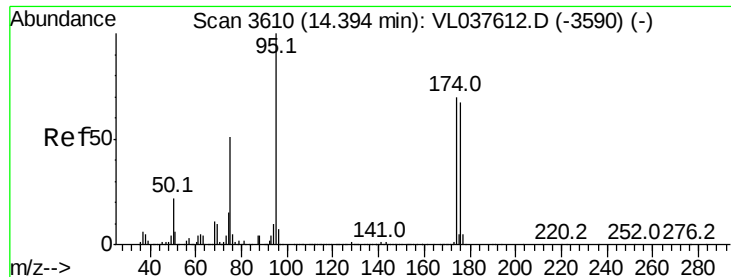
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	51.6	77.4#
62	15.7	54.6	81.8#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min Scan# 2886
 Delta R.T. -0.00 min
 Lab File: VL037643.D
 Acq: 17 Sep 2021 16:01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	65.3	50.6	75.8
119	35.0	26.2	39.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.057 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. 0.00 min

Lab File: VL037643.D

Acq: 17 Sep 2021 16:01

Instrument :

MSVOA_L

ClientSampleId :

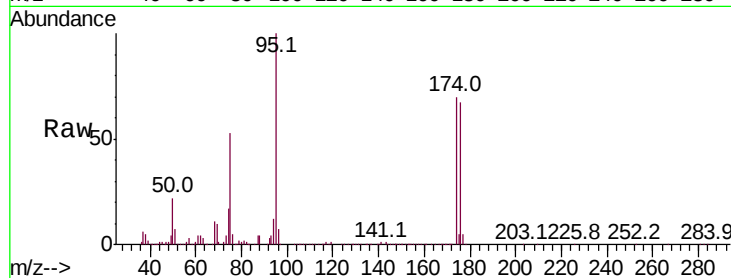
Tot Ion: 95 Resp: 2530976

Ion Ratio Lower Upper

95 100

174 76.6 56.3 84.5

175 5.5 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

