

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081621\
 Data File : VL037465.D
 Acq On : 16 Aug 2021 17:22
 Operator : SY/AP
 Sample : OC081021 CAN 10609
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 17 02:21:59 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	1500831	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4376255	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3746374	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2605324	9.79	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

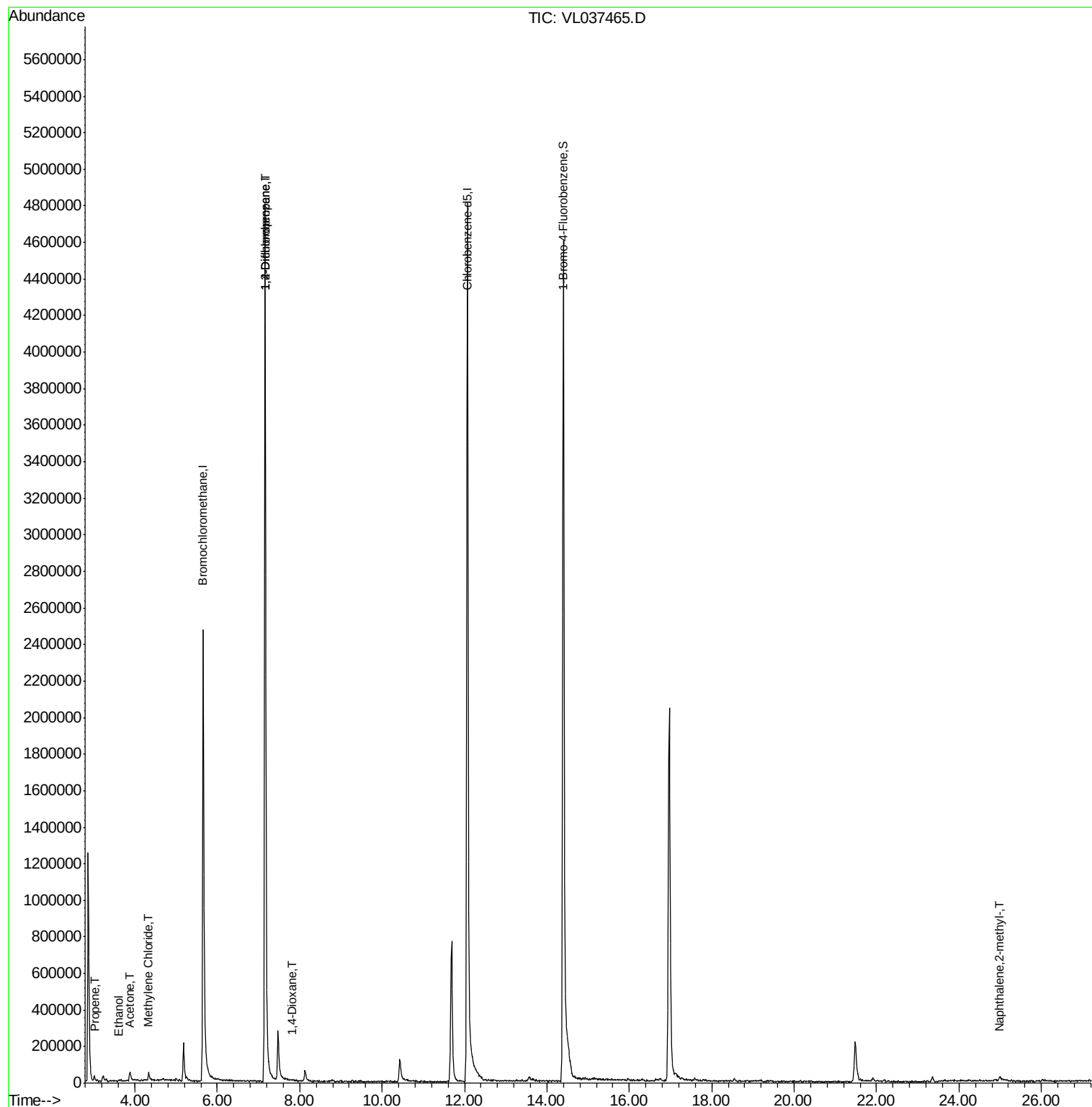
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	7380	0.072	ppbv #	81
13) Ethanol	3.61	45	712	0.071	ppbv #	39
15) Acetone	3.87	43	24695	0.162	ppbv #	44
20) Methylene Chloride	4.34	84	3586	0.047	ppbv #	50
39) 1,2-Dichloropropane	7.16	63	1038138	7.344	ppbv #	26
40) 1,4-Dioxane	7.82	88	1150	0.033	ppbv #	100
80) Naphthalene,2-methyl-	25.00	142	9198	0.100	ppbv #	92

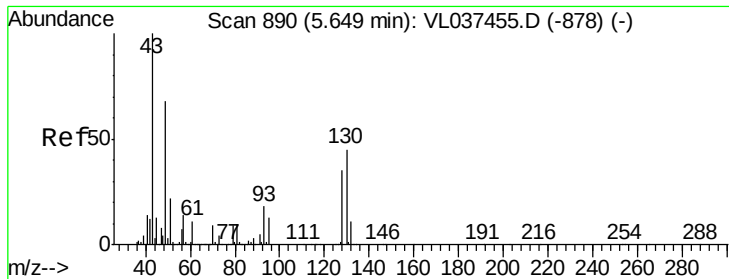
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081621\
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QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.01 min

Lab File: VL037465.D

Acq: 16 Aug 2021 17:22

Instrument :

MSVOA_L

ClientSampleId :

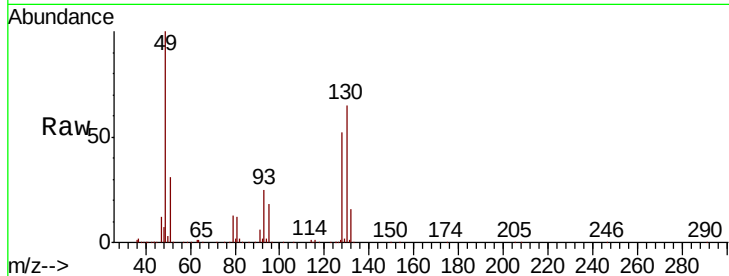
Tot Ion: 49 Resp: 1500831

Ion Ratio Lower Upper

49 100

128 55.0 27.5 82.4

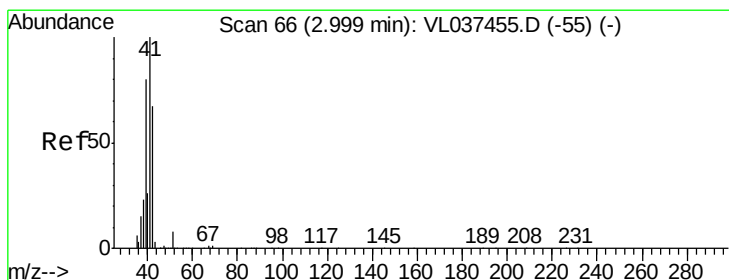
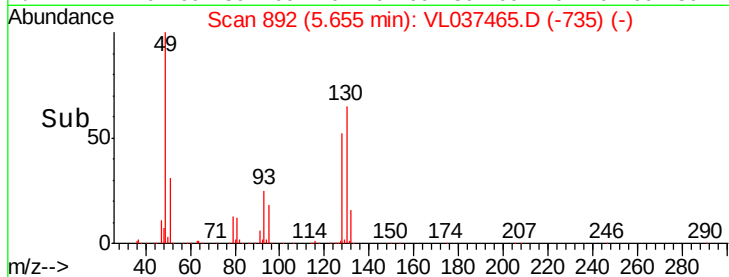
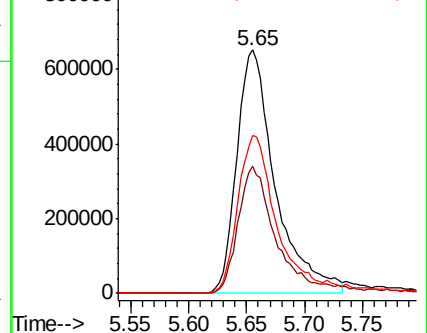
130 70.1 34.0 101.8



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



#9

Propene

Concen: 0.072 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.02 min

Lab File: VL037465.D

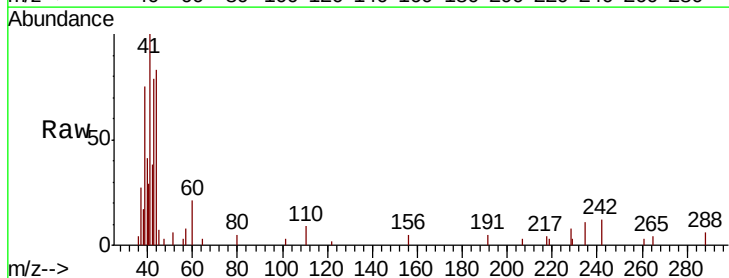
Acq: 16 Aug 2021 17:22

Tgt Ion: 41 Resp: 7380

Ion Ratio Lower Upper

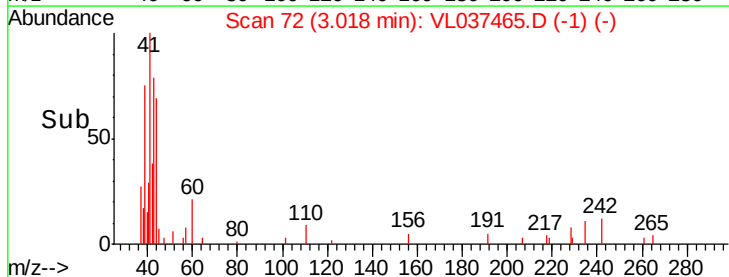
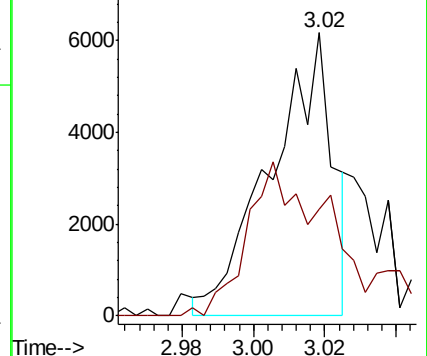
41 100

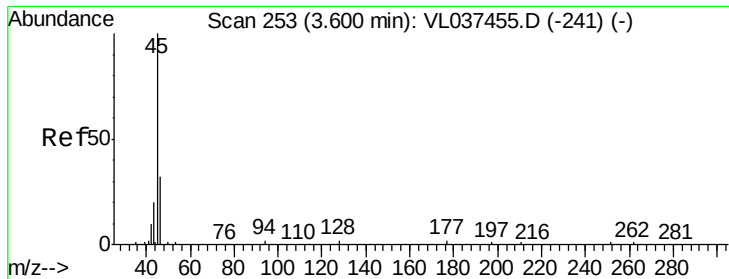
42 82.5 53.7 80.5#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

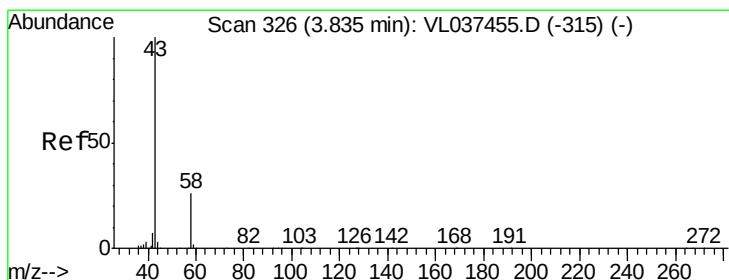
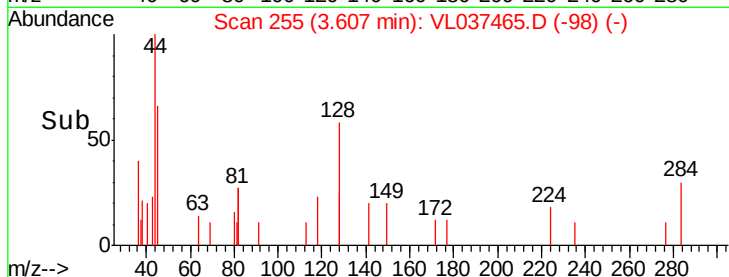
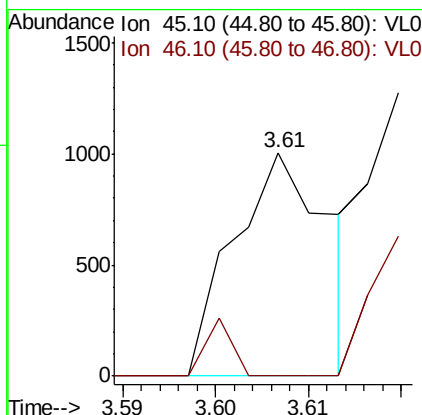
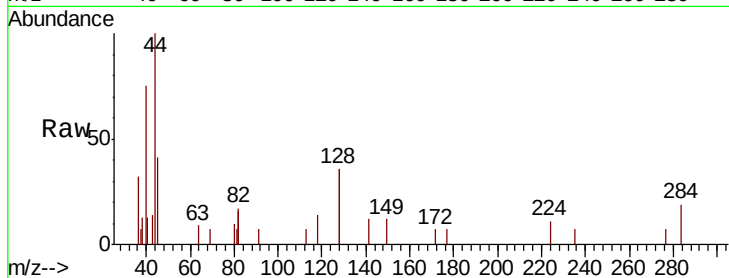




#13
Ethanol
Concen: 0.071 ppbv
RT: 3.61 min Scan# 255
Delta R.T. 0.01 min
Lab File: VL037465.D
Acq: 16 Aug 2021 17:22

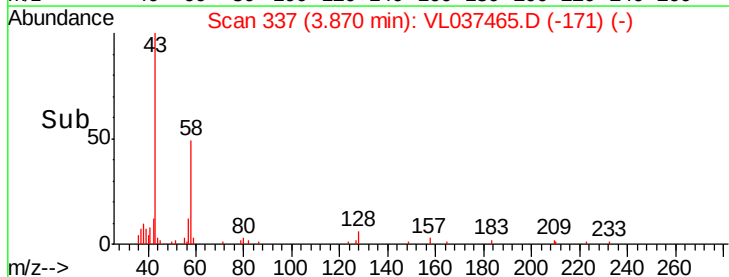
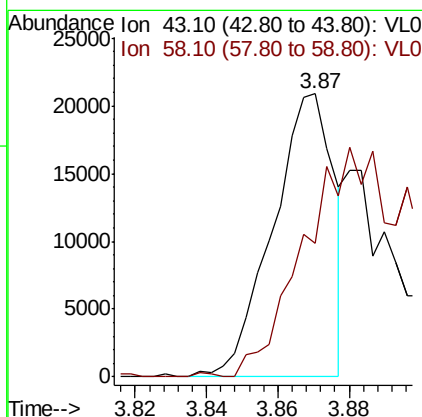
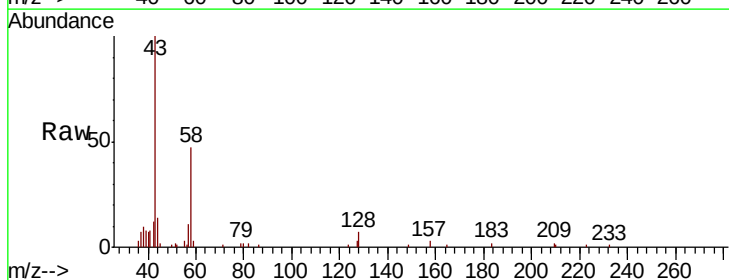
Instrument :
MSVOA_L
ClientSampled :

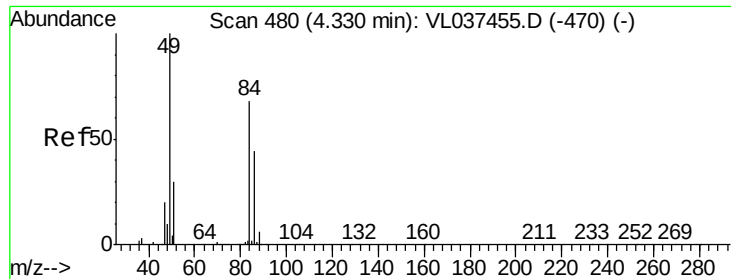
Tot Ion: 45 Resp: 712
Ion Ratio Lower Upper
45 100
46 0.0 14.1 56.5#



#15
Acetone
Concen: 0.162 ppbv
RT: 3.87 min Scan# 337
Delta R.T. 0.04 min
Lab File: VL037465.D
Acq: 16 Aug 2021 17:22

Tgt Ion: 43 Resp: 24695
Ion Ratio Lower Upper
43 100
58 0.0 24.8 37.2#

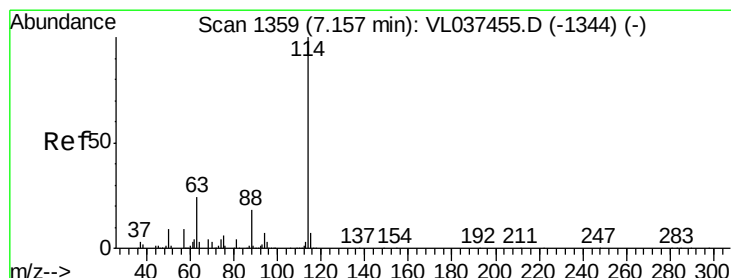
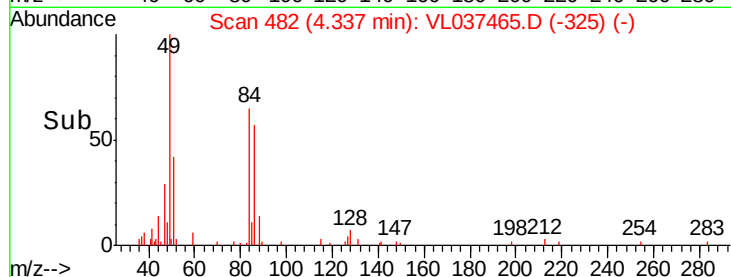
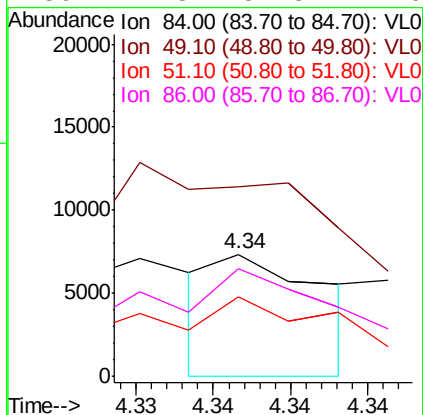
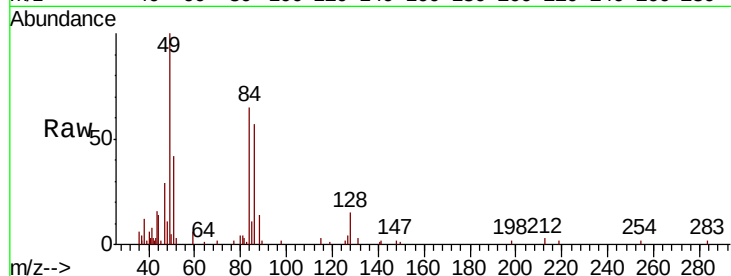




#20
Methylene Chloride
Concen: 0.047 ppbv
RT: 4.34 min Scan# 482
Delta R.T. 0.01 min
Lab File: VL037465.D
Acq: 16 Aug 2021 17:22

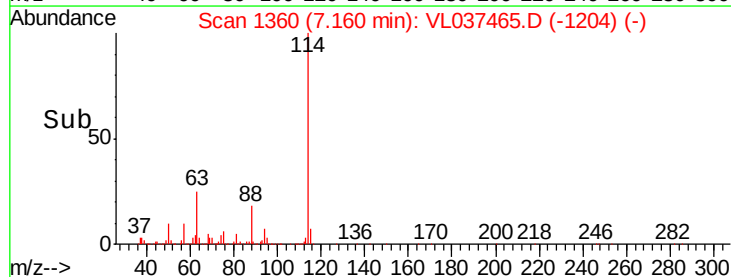
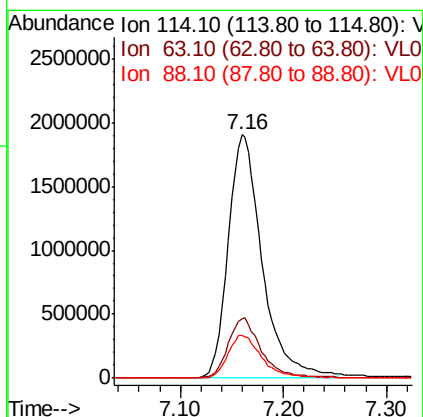
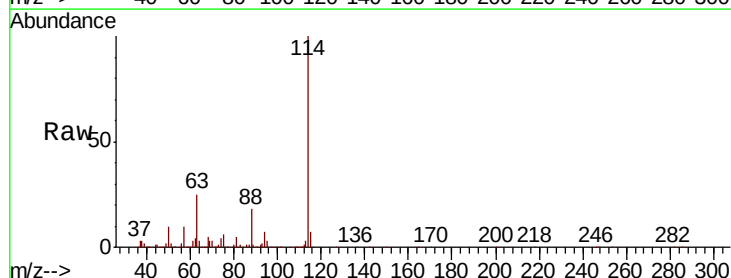
Instrument :
MSVOA_L
ClientSampleId :

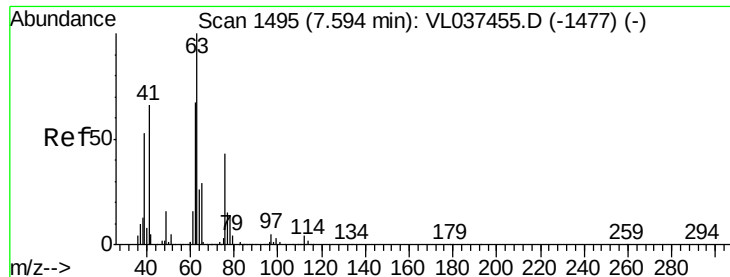
Tot Ion:	84	Resp:	3586
Ion	Ratio	Lower	Upper
84	100		
49	129.9	118.2	177.2
51	108.2	36.6	55.0#
86	142.8	51.8	77.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VL037465.D
Acq: 16 Aug 2021 17:22

Tgt Ion:	114	Resp:	4376255
Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.3	28.9
88	17.9	14.2	21.4





#39

1,2-Dichloropropane

Concen: 7.344 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.43 min

Lab File: VL037465.D

Acq: 16 Aug 2021 17:22

Instrument :

MSVOA_L

ClientSampleId :

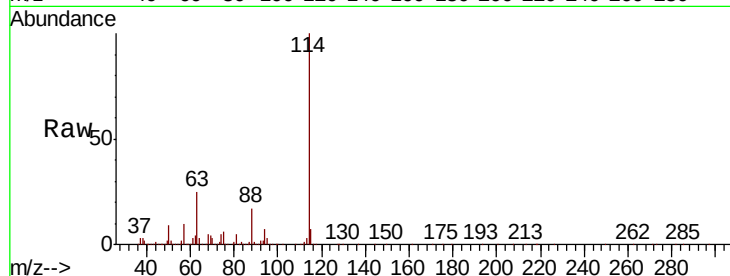
Tot Ion: 63 Resp: 1038138

Ion Ratio Lower Upper

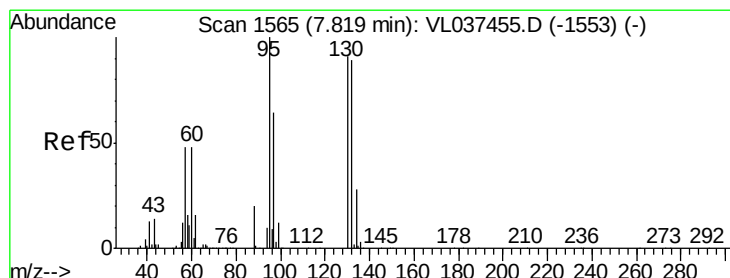
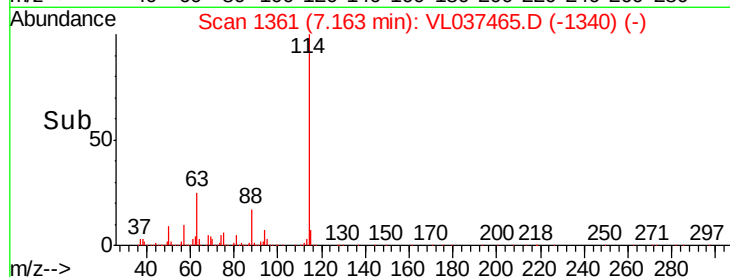
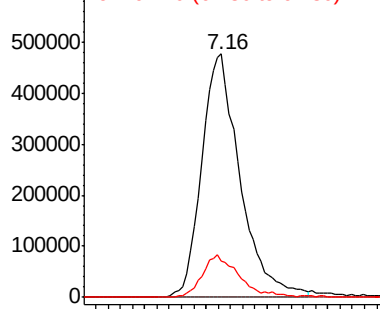
63 100

41 0.1 52.4 78.6#

62 14.6 53.6 80.4#



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 0.033 ppbv

RT: 7.82 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VL037465.D

Acq: 16 Aug 2021 17:22

Tgt Ion: 88 Resp: 1150

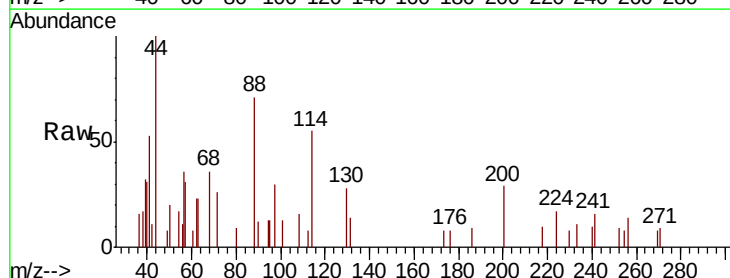
Ion Ratio Lower Upper

88 100

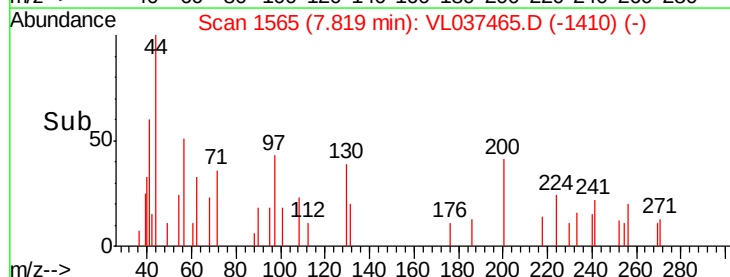
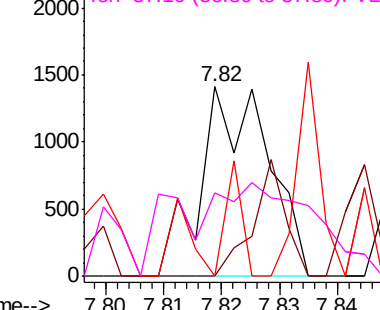
58 0.0 0.0 0.0

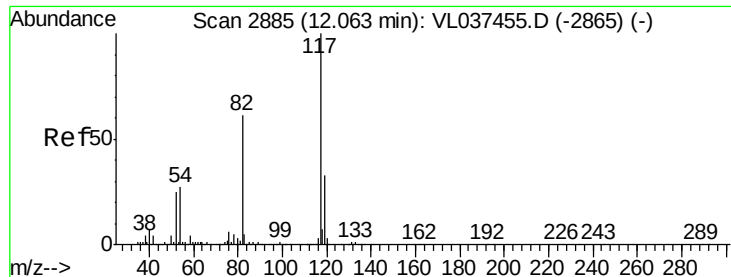
43 0.0 0.0 0.0

57 0.0 0.0 0.0



Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

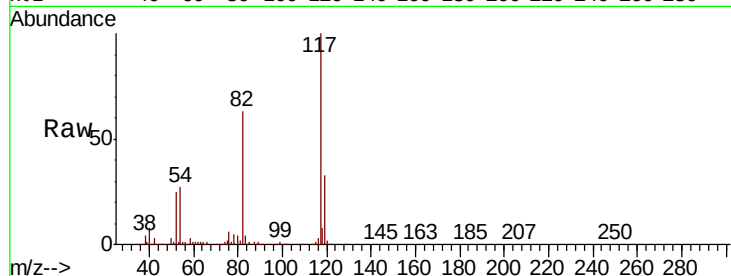




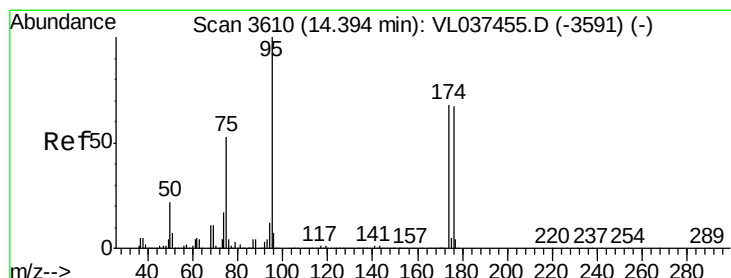
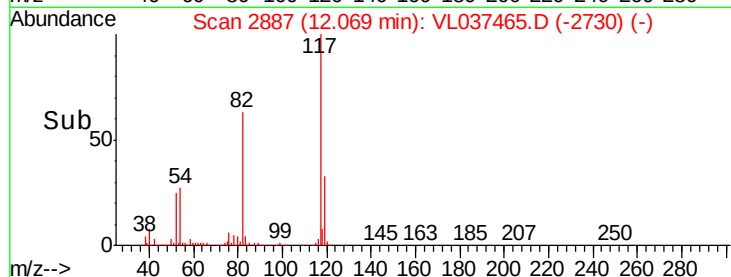
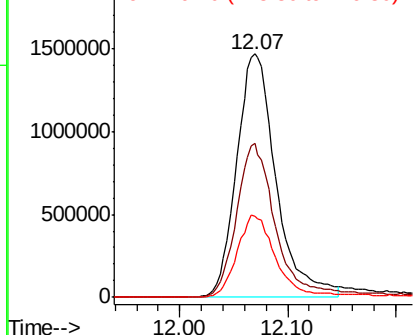
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. 0.01 min
Lab File: VL037465.D
Acq: 16 Aug 2021 17:22

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3746374
Ion Ratio Lower Upper
117 100
82 65.8 52.9 79.3
119 35.0 24.8 37.2

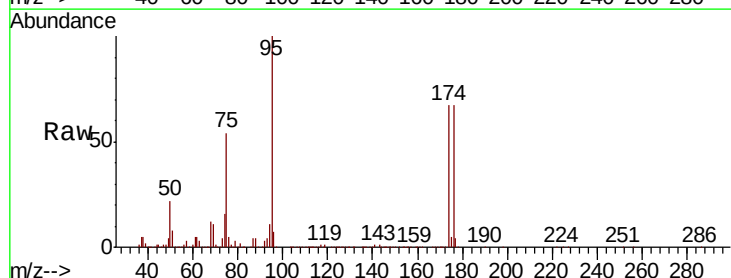


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

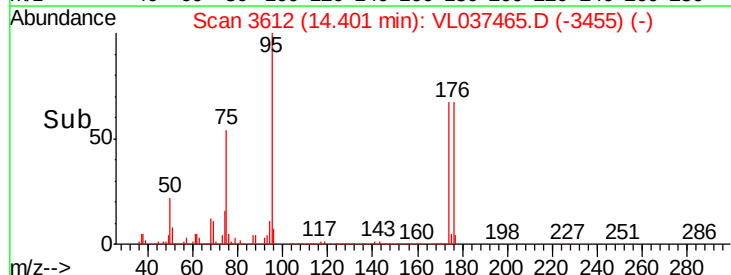
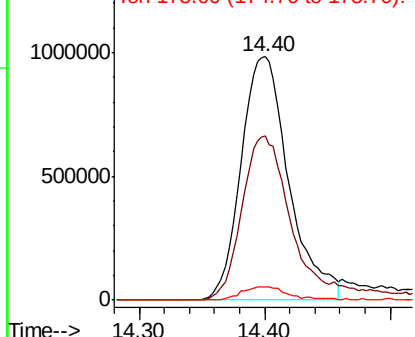


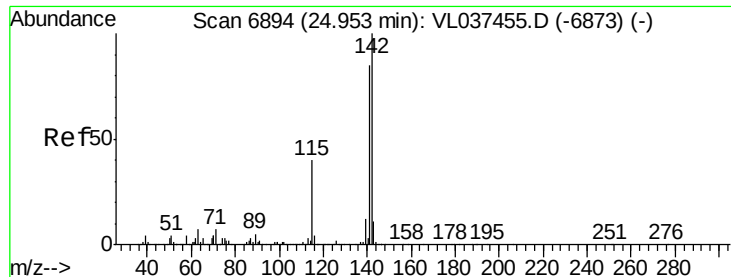
#68
1-Bromo-4-Fluorobenzene
Concen: 9.789 ppbv
RT: 14.40 min Scan# 3612
Delta R.T. 0.01 min
Lab File: VL037465.D
Acq: 16 Aug 2021 17:22

Tgt Ion: 95 Resp: 2605324
Ion Ratio Lower Upper
95 100
174 76.5 59.6 89.4
175 5.7 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





#80

Naphthalene, 2-methyl-

Concen: 0.100 ppbv

RT: 25.00 min Scan# 6908

Delta R.T. 0.04 min

Lab File: VL037465.D

Acq: 16 Aug 2021 17:22

Instrument :

MSVOA_L

ClientSampleId :

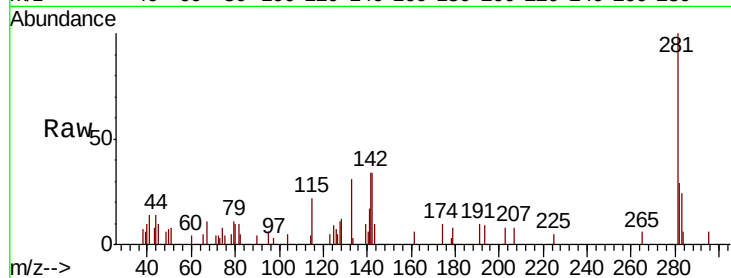
Tot Ion:142 Resp: 9198

Ion Ratio Lower Upper

142 100

141 81.9 64.7 97.1

115 22.0 28.4 42.6



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

