

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL071222\
 Data File : VL039463.D
 Acq On : 13 Jul 2022 1:16
 Operator : SY/AP
 Sample : N3660-04DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BFB

Quant Time: Jul 13 05:55:58 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 06 02:15:38 2022
 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1331233	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	3697163	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3322945	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2546052	10.33	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

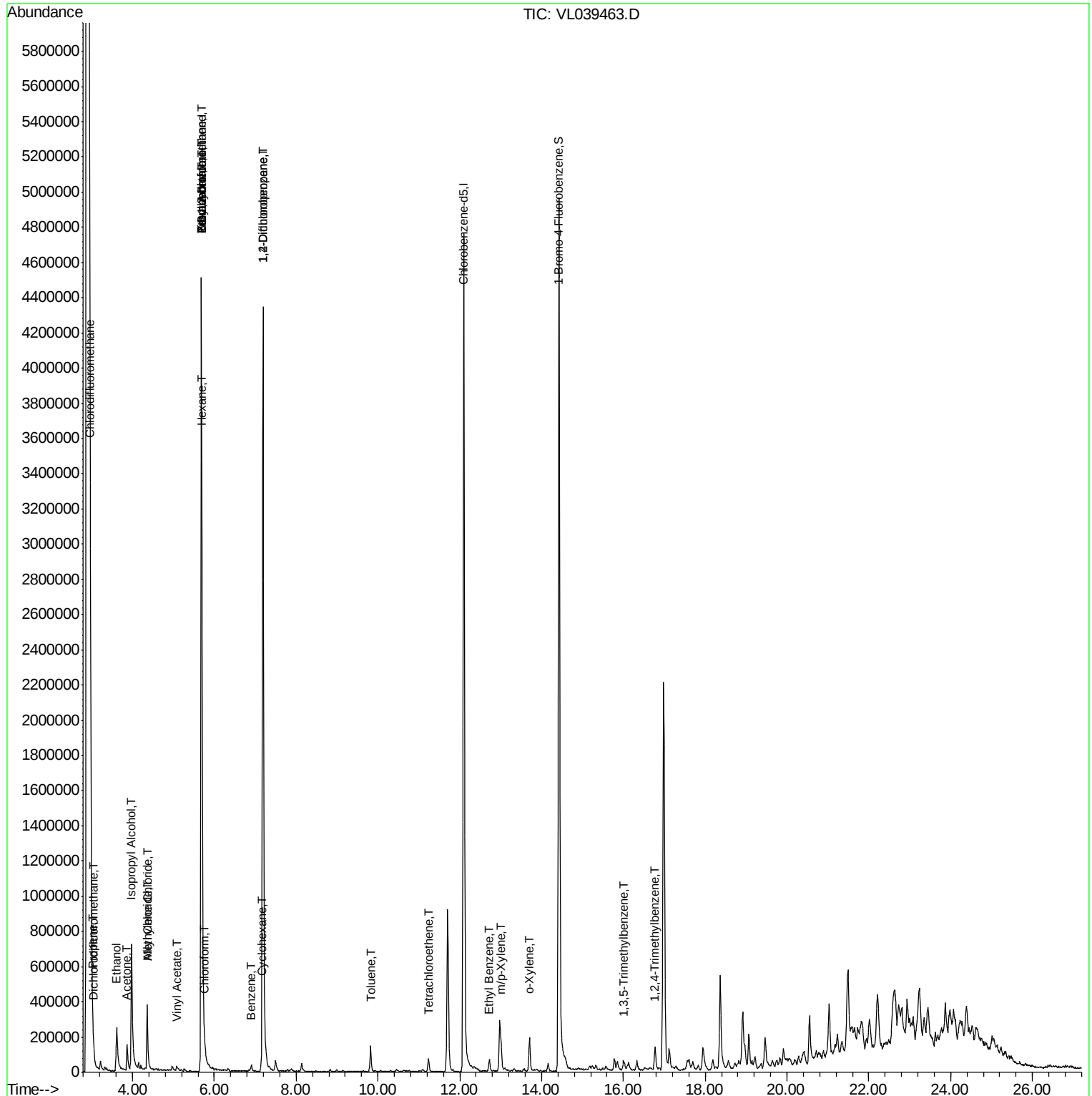
Target Compounds

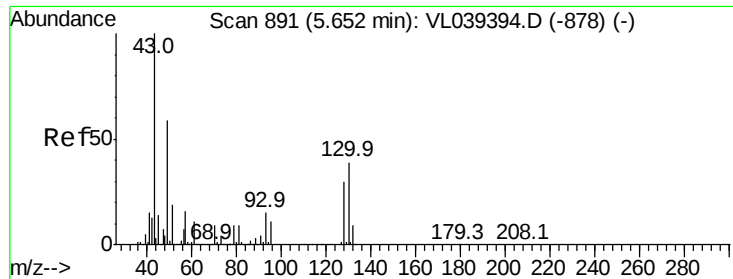
						Qvalue
2) Dichlorodifluoromethane	3.06	85	17477	0.09	ppbv #	87
3) Chlorodifluoromethane	2.98	51	30887	0.18	ppbv #	64
9) Propene	3.03	41	11304	0.15	ppbv #	83
13) Ethanol	3.61	45	337942	76.37	ppbv	81
15) Acetone	3.86	43	139657	0.89	ppbv #	78
19) Isopropyl Alcohol	3.97	45	993867	11.83	ppbv #	93
20) Methylene Chloride	4.36	84	150440	2.40	ppbv	96
21) Allyl Chloride	4.36	41	6128	0.06	ppbv #	21
23) Vinyl Acetate	5.08	43	20992	0.20	ppbv #	93
25) Ethyl Acetate	5.68	43	2852998	8.83	ppbv #	93
26) Hexane	5.70	57	211315	1.62	ppbv #	1
29) Chloroform	5.77	83	9671	0.04	ppbv	87
30) Cyclohexane	7.15	84	3966	0.03	ppbv #	1
31) cis-1,2-Dichloroethene	5.68	61	329949	2.39	ppbv #	23
34) 2-Butanone	5.68	43	2704014	14.53	ppbv #	53
36) Benzene	6.90	78	11195	0.04	ppbv	94
39) 1,2-Dichloropropane	7.19	63	895223	8.37	ppbv #	25
41) Tetrahydrofuran	5.69	42	262192	2.43	ppbv #	43
52) Tetrachloroethene	11.24	164	8344	0.07	ppbv #	69
53) Toluene	9.82	91	106917	0.32	ppbv	99
58) Ethyl Benzene	12.73	91	28610	0.07	ppbv	95
59) m/p-Xylene	13.01	91	51860	0.14	ppbv #	32
60) o-Xylene	13.70	91	150027	0.42	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	12587	0.03	ppbv #	48
74) 1,2,4-Trimethylbenzene	16.77	105	99702	0.23	ppbv #	64

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

```
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL071222\  
Data File : VL039463.D  
Acq On    : 13 Jul 2022    1:16  
Operator  : SY/AP  
Sample    : N3660-04DL 10X  
Misc      : 400mL/MSVOA_L  
ALS Vial  : 1    Sample Multiplier: 1
```

Quant Time: Jul 13 05:55:58 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Jul 06 02:15:38 2022
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: BFB

Acq: 13 Jul 2022 1:10

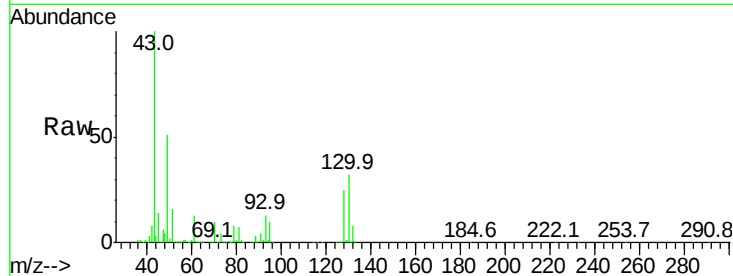
Tgt Ion: 49 Resp: 1331233

Ion Ratio Lower Upper

49 100

128 51.7 26.7 80.0

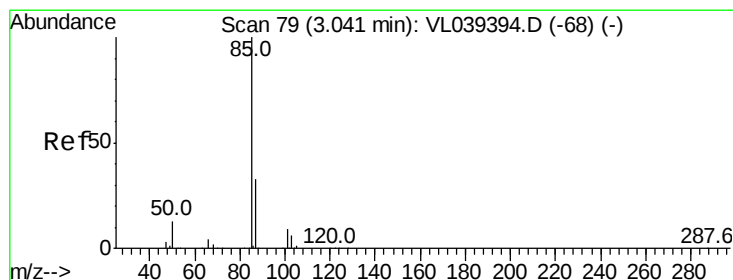
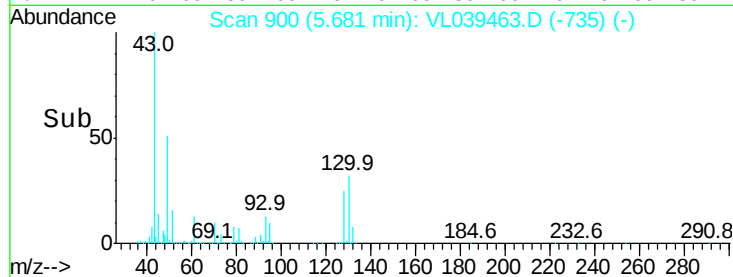
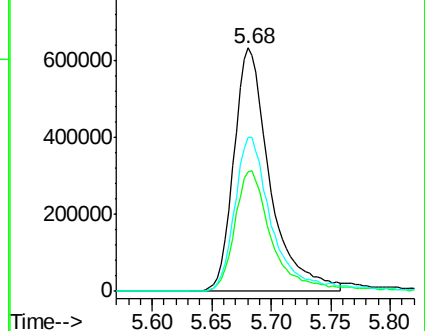
130 67.6 34.3 102.8



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: 0.09 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.02 min

Lab File: VL039463.D

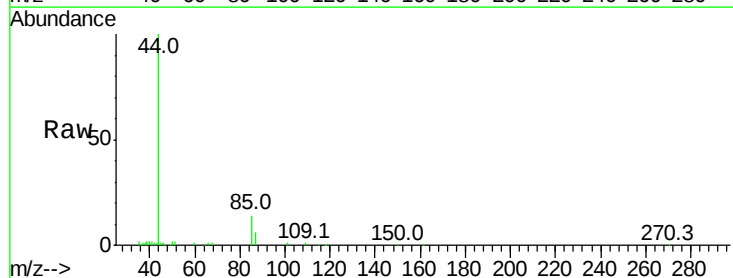
Acq: 13 Jul 2022 1:16

Tgt Ion: 85 Resp: 17477

Ion Ratio Lower Upper

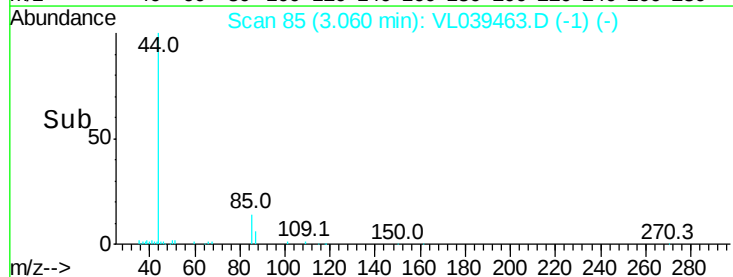
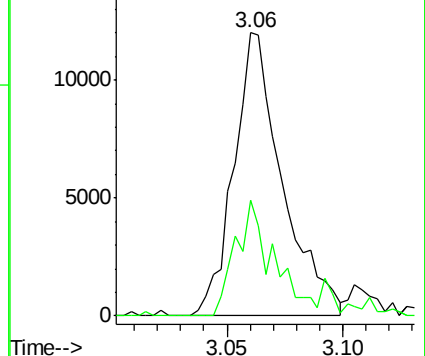
85 100

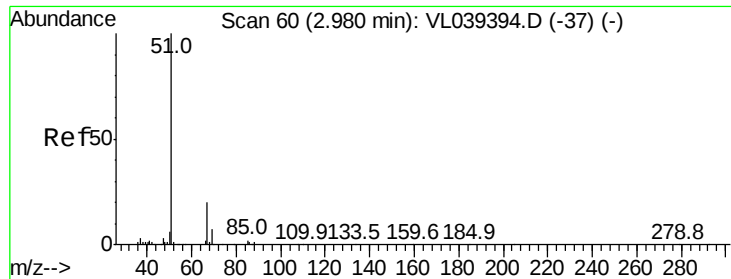
87 41.0 26.7 40.1#



Abundance Ion 85.00 (84.70 to 85.70): VL0

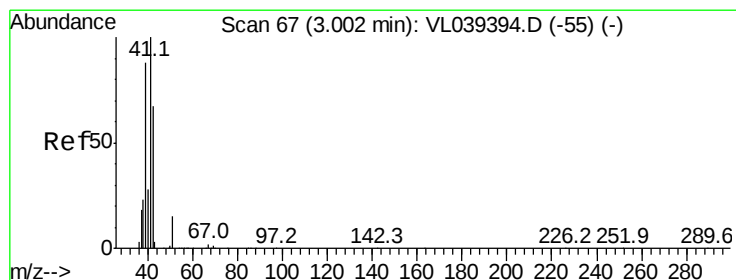
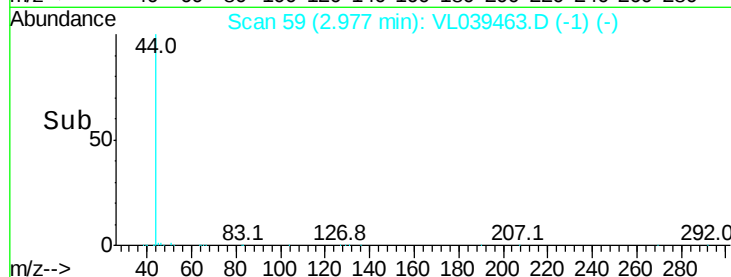
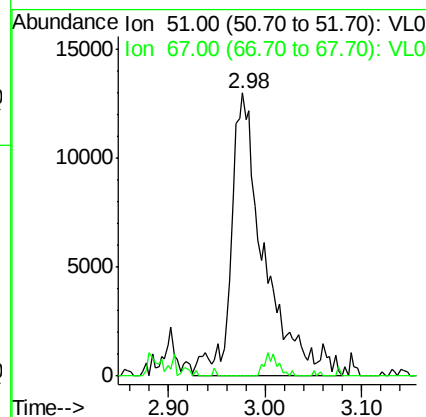
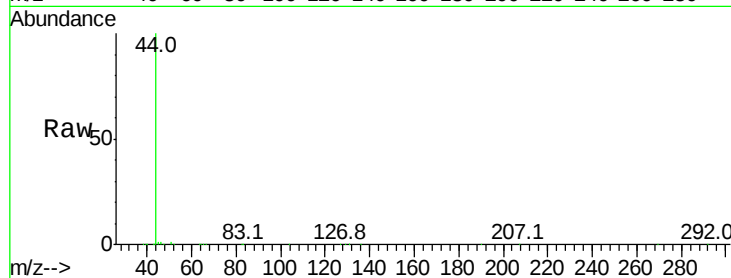
Ion 87.00 (86.70 to 87.70): VL0





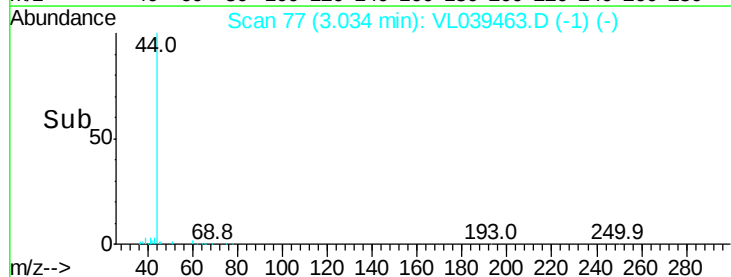
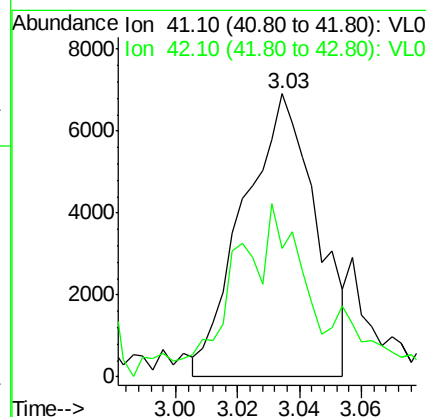
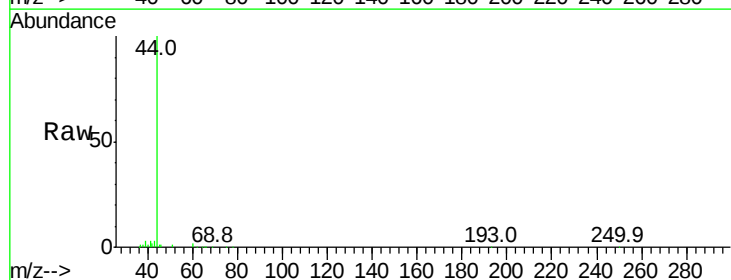
#3
 Chlorodifluoromethane
 Concen: 0.18 ppbv
 RT: 2.98
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 BFB
 Acq: 13 Jul 2022 1:16

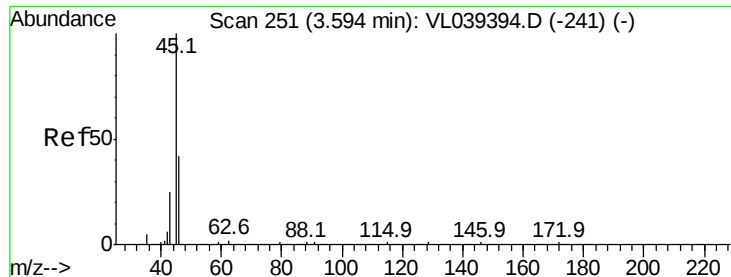
Tgt Ion: 51 Resp: 30887
 Ion Ratio Lower Upper
 51 100
 67 3.4 15.7 23.5#



#9
 Propene
 Concen: 0.15 ppbv
 RT: 3.03 min Scan# 77
 Delta R.T. 0.03 min
 Lab File: VL039463.D
 Acq: 13 Jul 2022 1:16

Tgt Ion: 41 Resp: 11304
 Ion Ratio Lower Upper
 41 100
 42 82.8 55.2 82.8#





#13

Ethanol

Concen: 76.37 ppbv

RT: 3.61 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

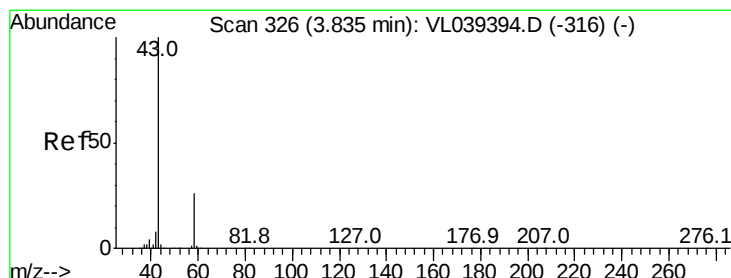
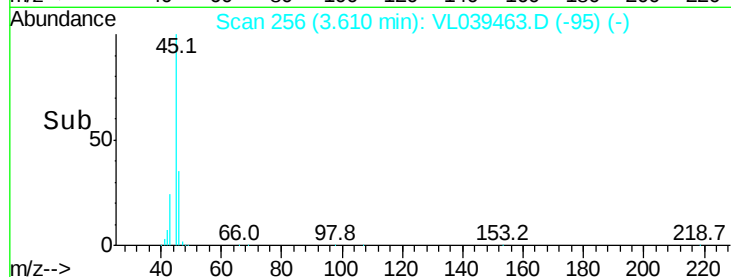
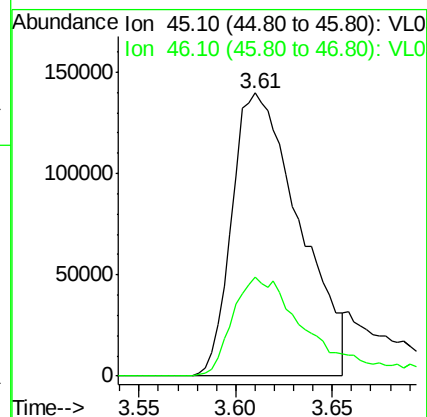
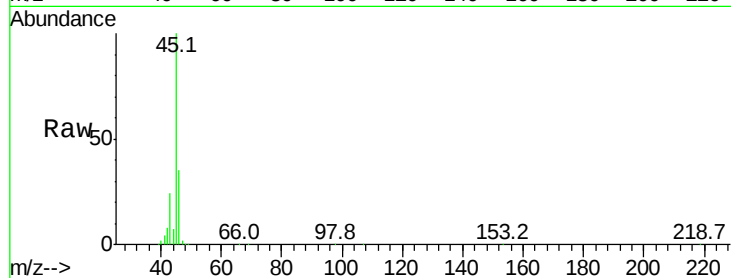
Acq: 13 Jul 2022 1:10 BFB

Tgt Ion: 45 Resp: 337942

Ion Ratio Lower Upper

45 100

46 42.8 22.8 91.2



#15

Acetone

Concen: 0.89 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.03 min

Lab File: VL039463.D

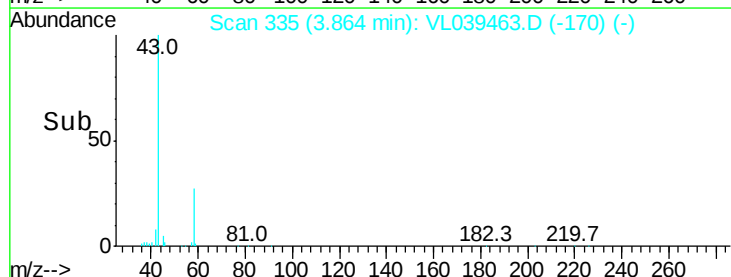
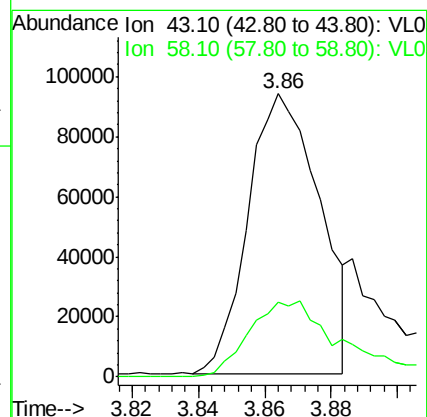
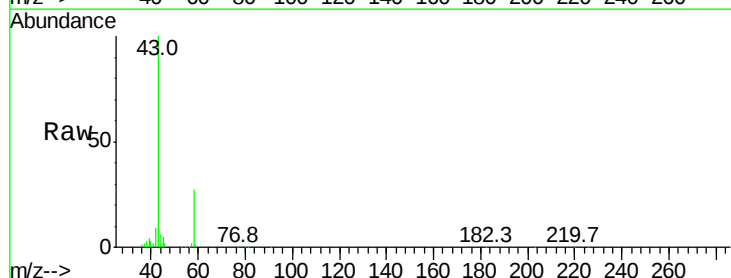
Acq: 13 Jul 2022 1:16

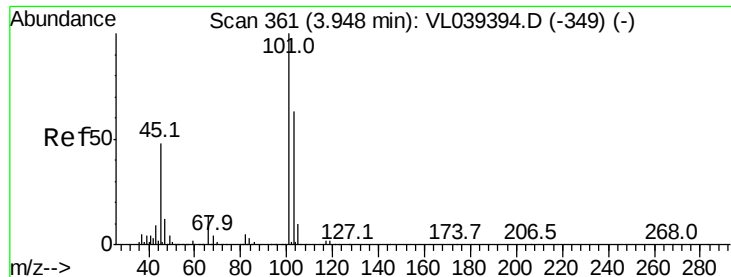
Tgt Ion: 43 Resp: 139657

Ion Ratio Lower Upper

43 100

58 37.5 21.0 31.6#





#19

Isopropyl Alcohol

Concen: 11.83 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

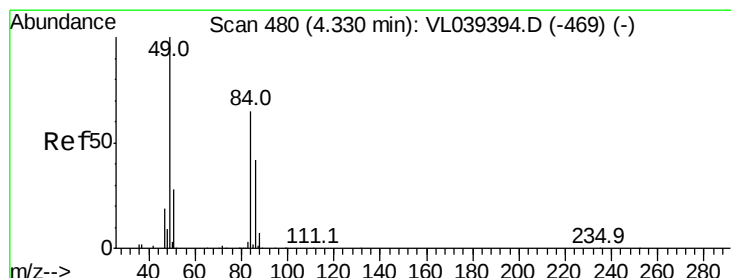
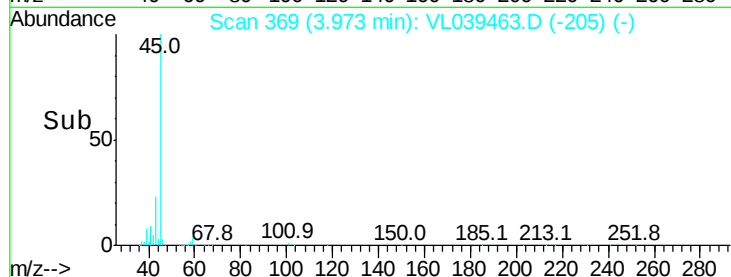
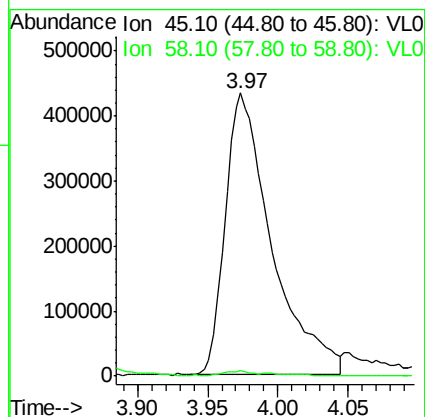
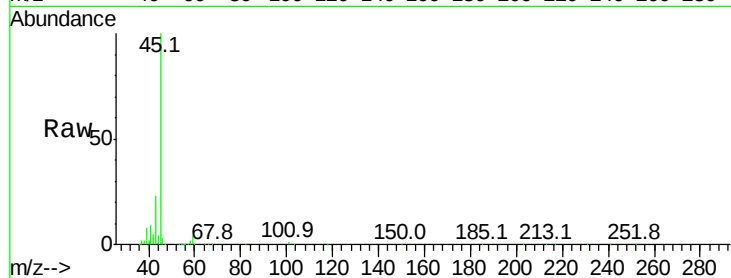
Acq: 13 Jul 2022 1:10 BFB

Tgt Ion: 45 Resp: 993867

Ion Ratio Lower Upper

45 100

58 1.8 3.2 4.8#



#20

Methylene Chloride

Concen: 2.40 ppbv

RT: 4.36 min Scan# 490

Delta R.T. 0.03 min

Lab File: VL039463.D

Acq: 13 Jul 2022 1:16

Tgt Ion: 84 Resp: 150440

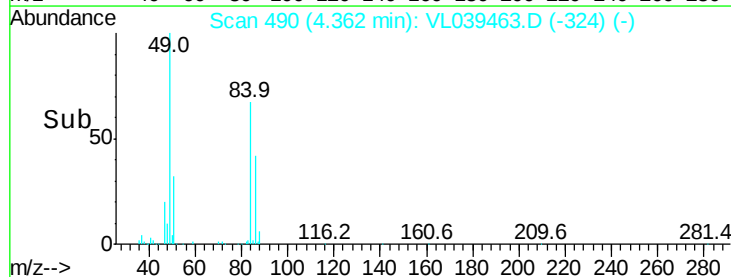
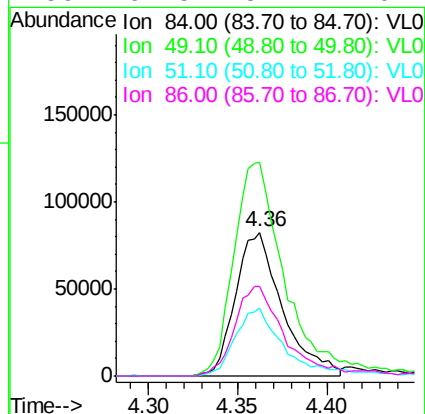
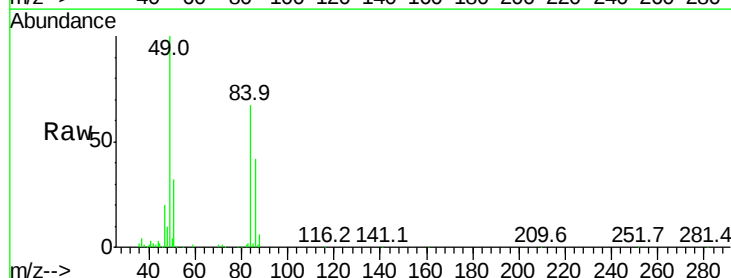
Ion Ratio Lower Upper

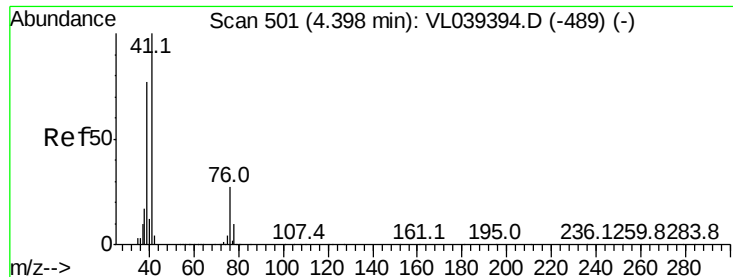
84 100

49 148.4 123.1 184.7

51 47.0 34.4 51.6

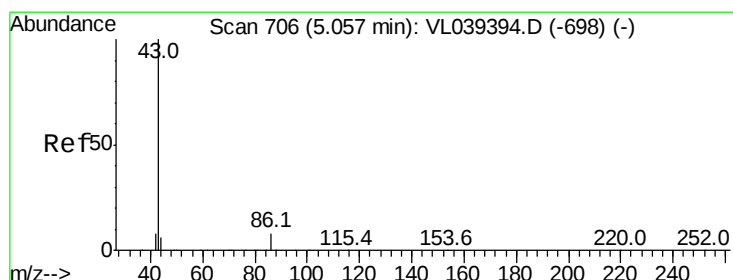
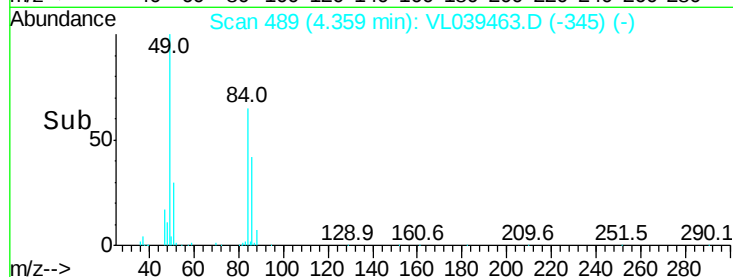
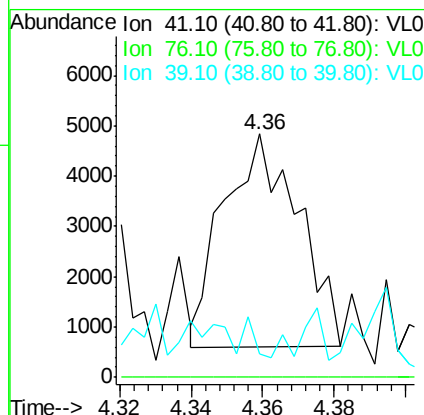
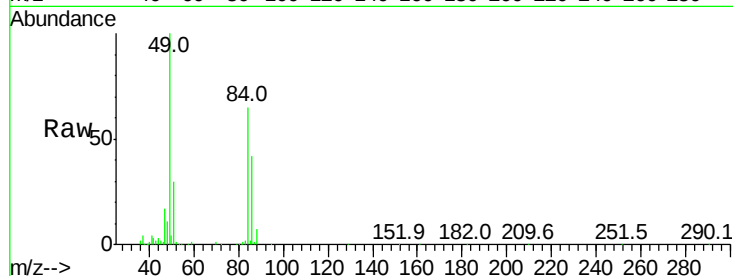
86 62.5 51.1 76.7





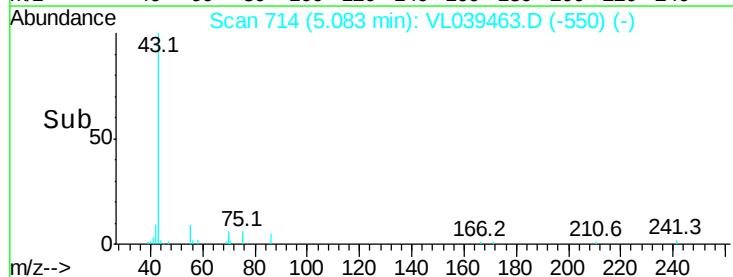
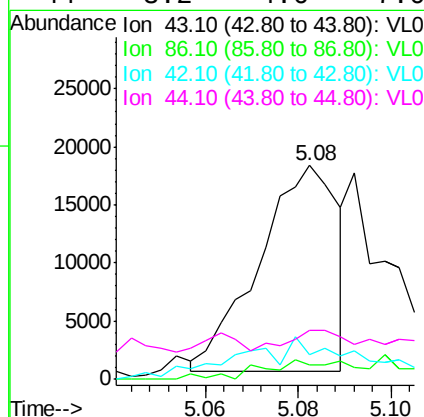
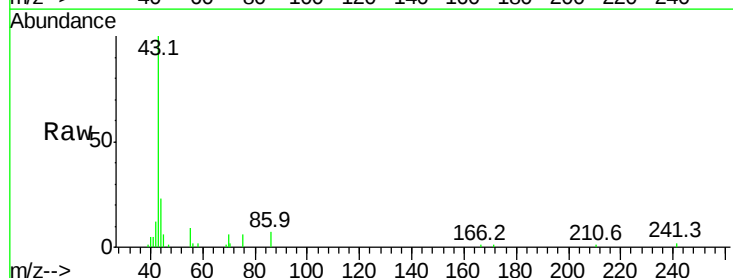
#21
 Allyl Chloride
 Concen: 0.06 ppbv
 RT: 4.36
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 BFB
 Acq: 13 Jul 2022 1:16

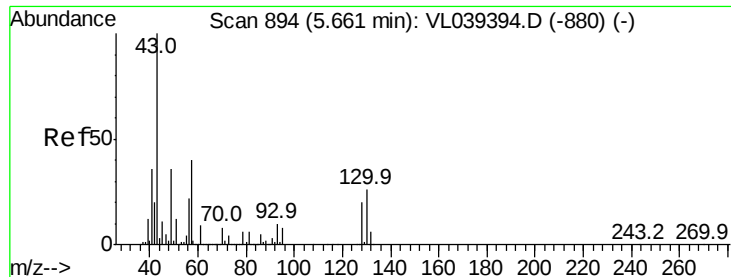
Tgt Ion: 41 Resp: 6128
 Ion Ratio Lower Upper
 41 100
 76 58.3 24.4 36.6#
 39 0.0 63.5 95.3#



#23
 Vinyl Acetate
 Concen: 0.20 ppbv
 RT: 5.08 min Scan# 714
 Delta R.T. 0.03 min
 Lab File: VL039463.D
 Acq: 13 Jul 2022 1:16

Tgt Ion: 43 Resp: 20992
 Ion Ratio Lower Upper
 43 100
 86 4.3 5.0 7.6#
 42 7.1 7.7 11.5#
 44 3.2 4.6 7.0#

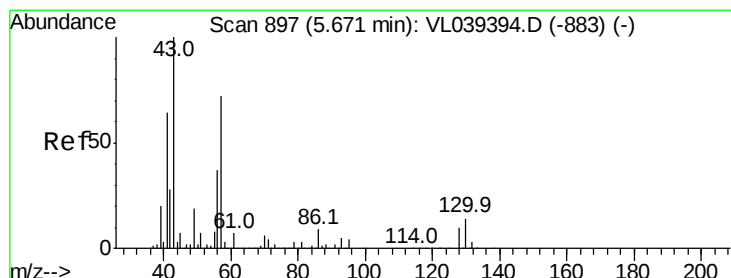
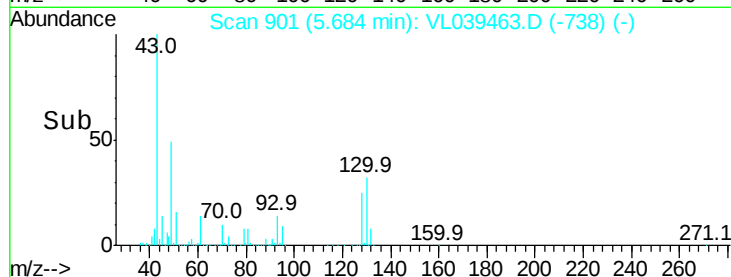
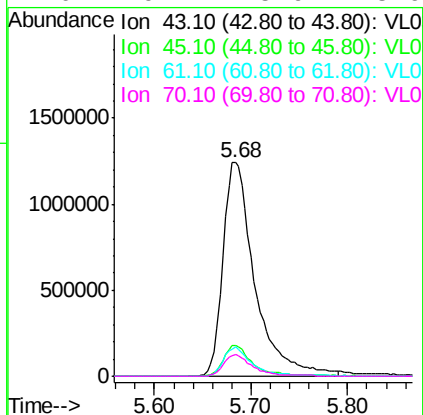
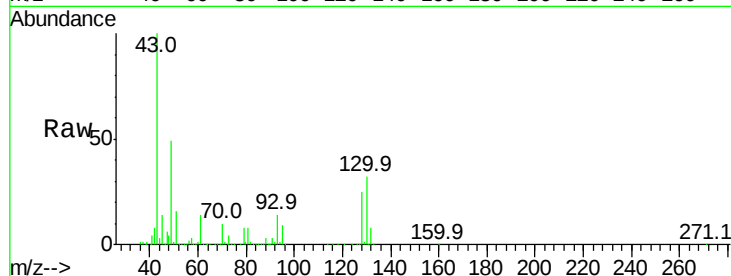




#25
 Ethyl Acetate
 Concen: 8.83 ppbv
 RT: 5.68
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Jul 2022 1:16

Tgt Ion: 43 Resp: 2852998

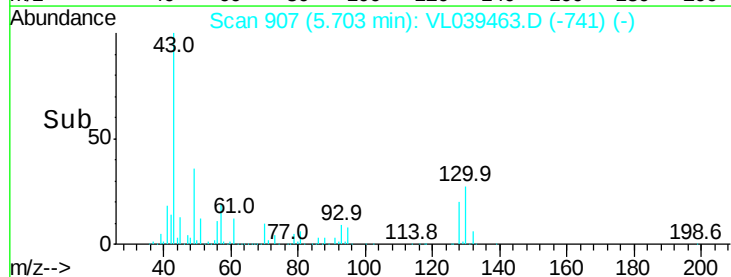
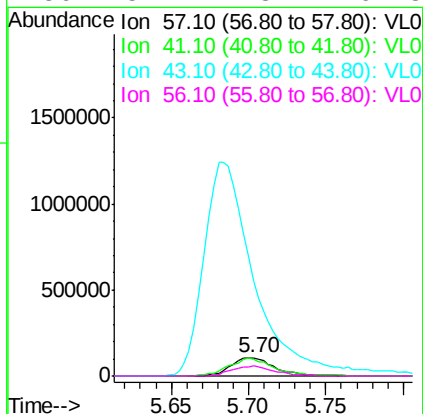
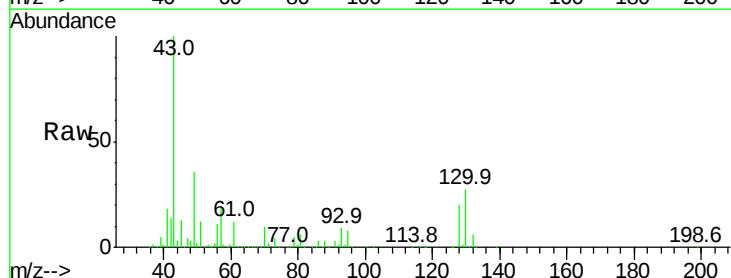
Ion	Ratio	Lower	Upper
43	100		
45	13.8	8.2	12.4#
61	12.7	8.3	12.5#
70	9.7	5.9	8.9#

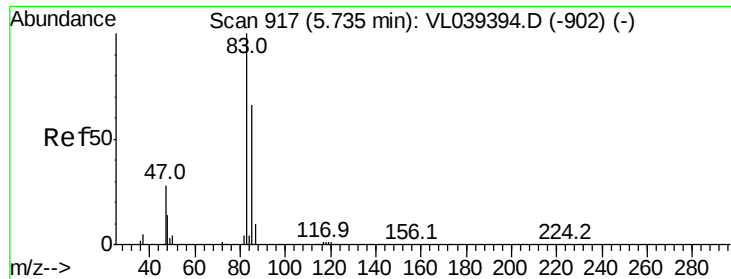


#26
 Hexane
 Concen: 1.62 ppbv
 RT: 5.70 min Scan# 907
 Delta R.T. 0.03 min
 Lab File: VL039463.D
 Acq: 13 Jul 2022 1:16

Tgt Ion: 57 Resp: 211315

Ion	Ratio	Lower	Upper
57	100		
41	103.4	76.9	115.3
43	1396.9	191.0	286.6#
56	54.4	43.2	64.8





#29

Chloroform

Concen: 0.04 ppbv

RT: 5.77 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

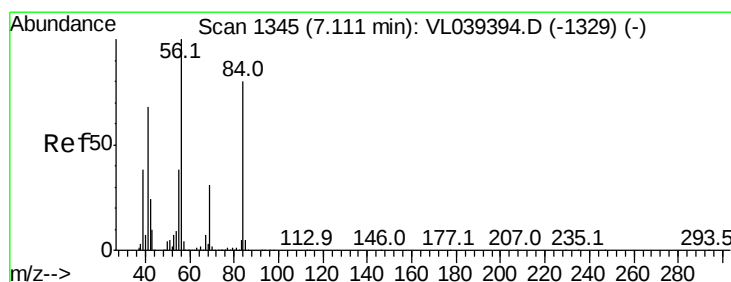
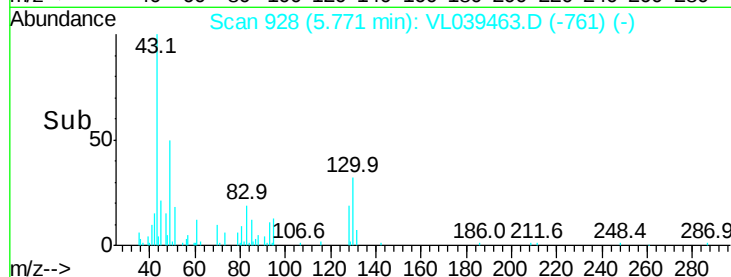
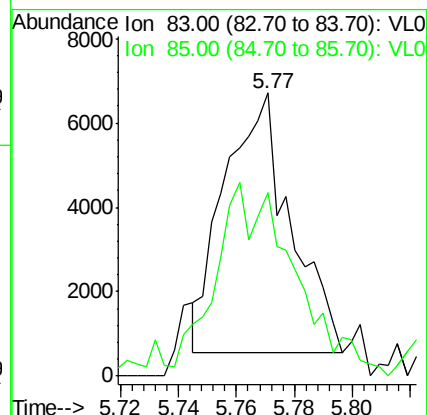
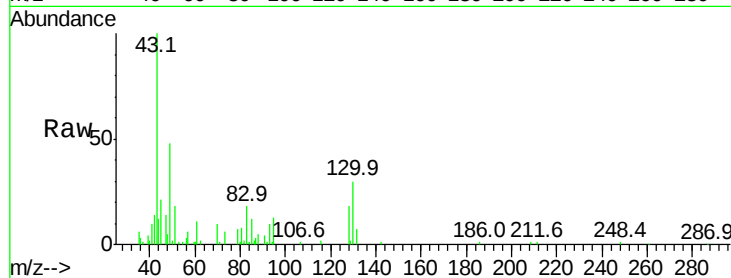
Acq: 13 Jul 2022 1:16 BFB

Tgt Ion: 83 Resp: 9671

Ion Ratio Lower Upper

83 100

85 55.9 52.8 79.2



#30

Cyclohexane

Concen: 0.03 ppbv

RT: 7.15 min Scan# 1357

Delta R.T. 0.04 min

Lab File: VL039463.D

Acq: 13 Jul 2022 1:16

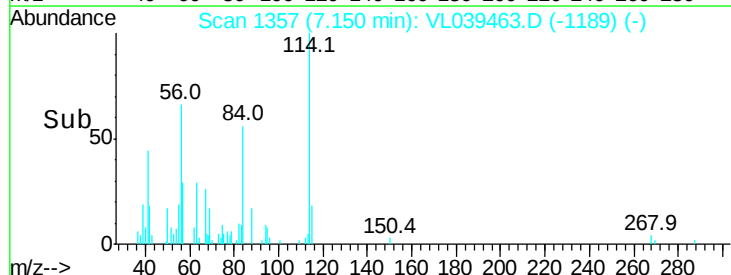
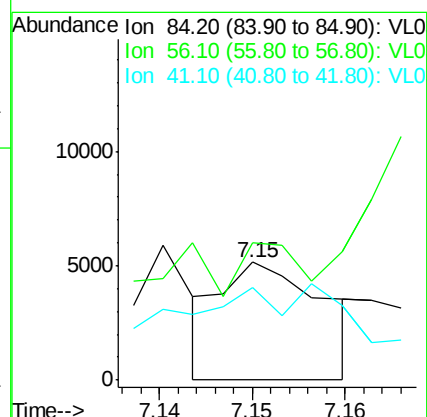
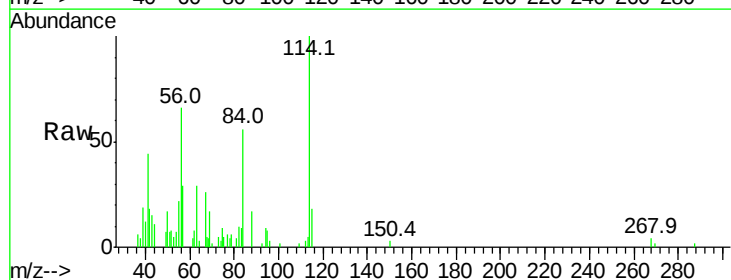
Tgt Ion: 84 Resp: 3966

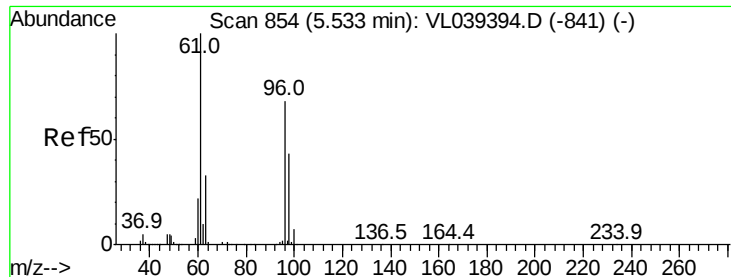
Ion Ratio Lower Upper

84 100

56 0.0 107.7 161.5#

41 255.9 67.7 101.5#





#31

cis-1,2-Dichloroethene

Concen: 2.39 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. BFB

Lab File: ClientSampleId:

Acq: 13 Jul 2022 1:16

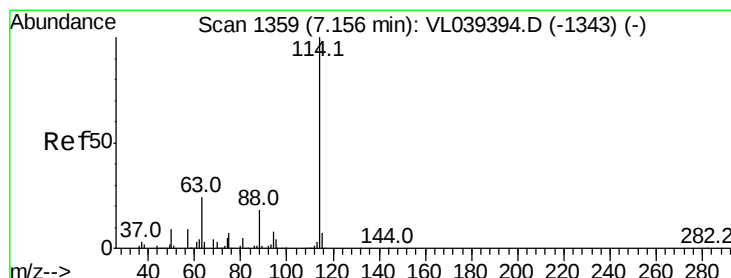
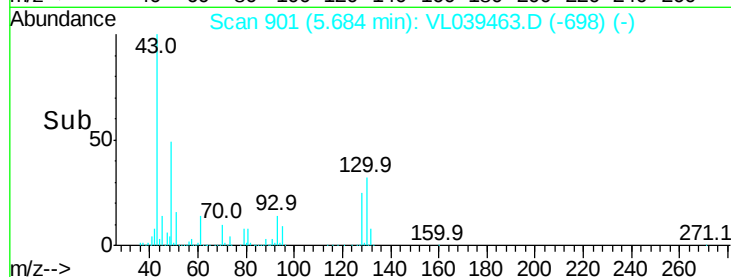
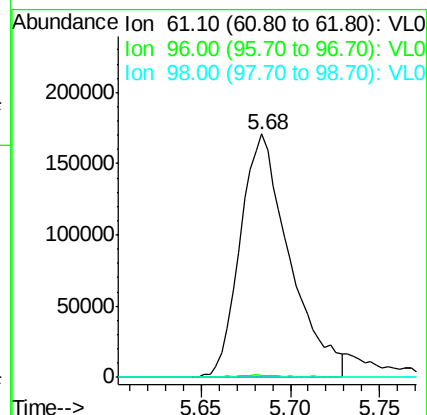
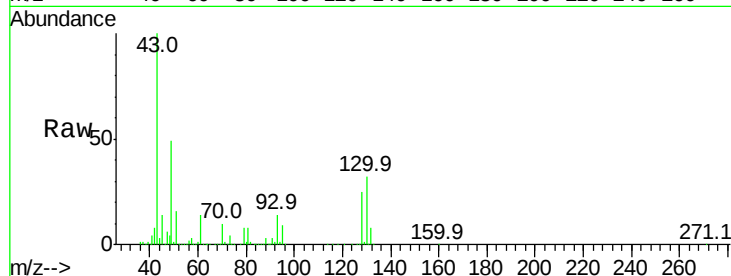
Tgt Ion: 61 Resp: 329949

Ion Ratio Lower Upper

61 100

96 0.7 54.1 81.1#

98 0.0 34.6 52.0#



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. 0.03 min

Lab File: VL039463.D

Acq: 13 Jul 2022 1:16

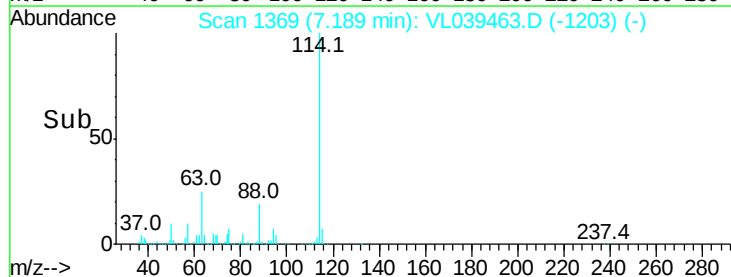
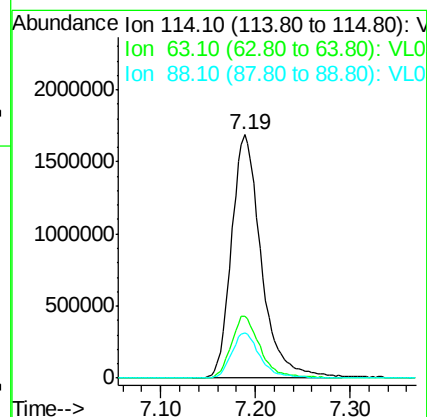
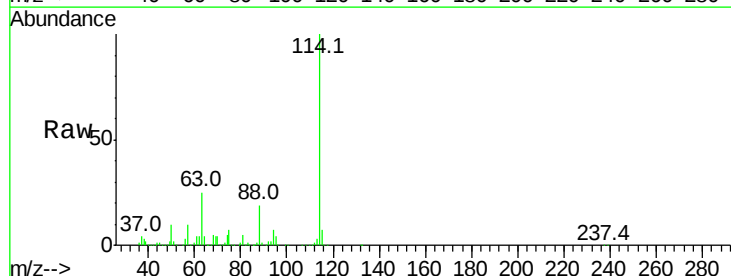
Tgt Ion: 114 Resp: 3697163

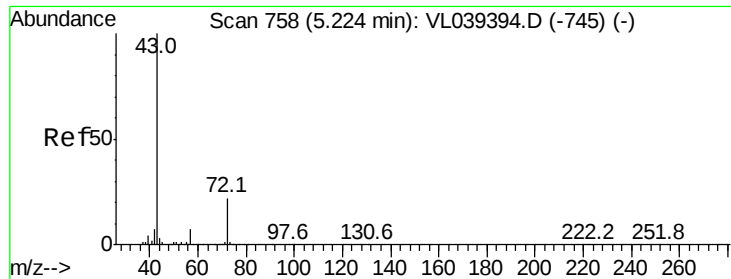
Ion Ratio Lower Upper

114 100

63 24.8 20.2 30.4

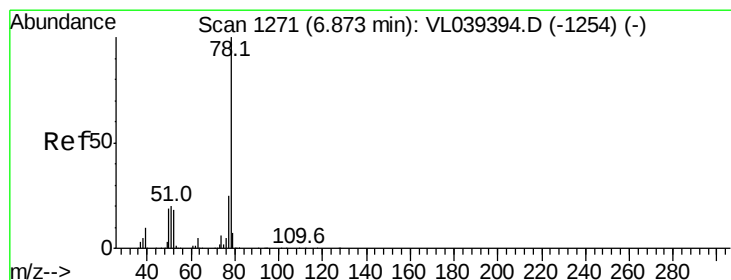
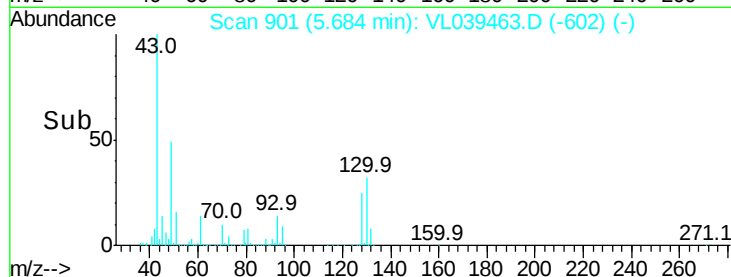
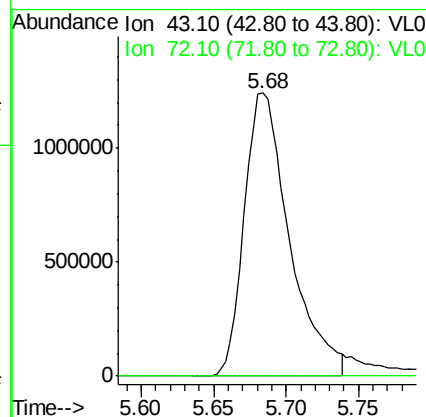
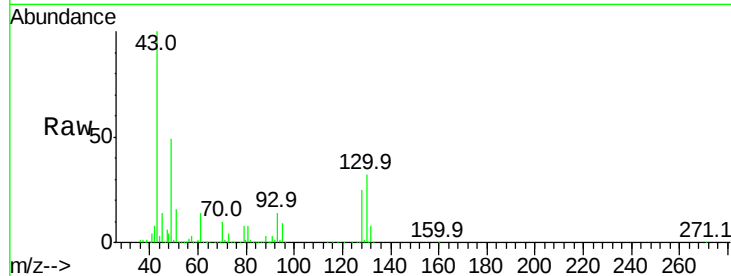
88 18.2 14.5 21.7





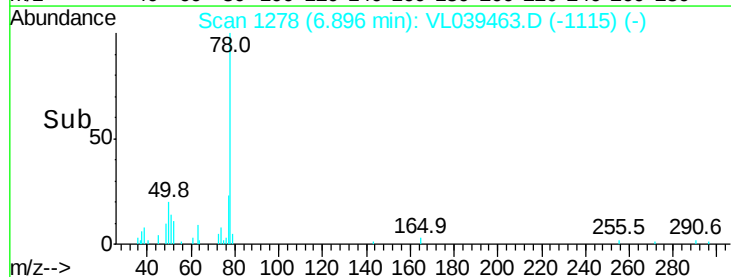
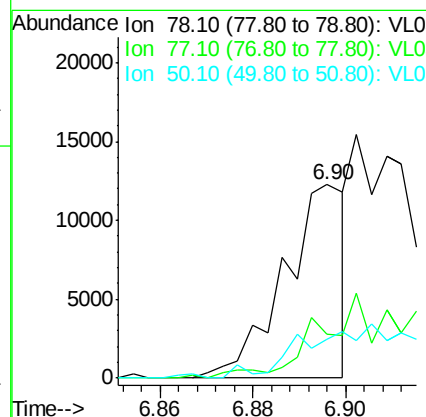
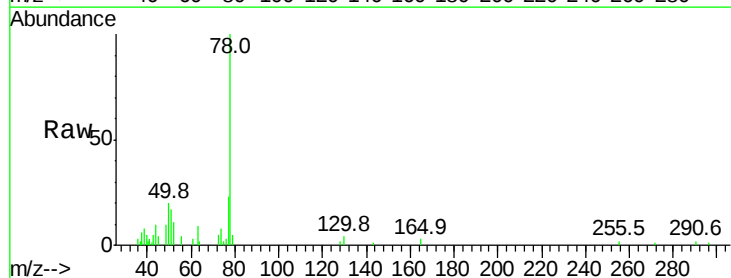
#34
 2-Butanone
 Concen: 14.53 ppbv
 RT: 5.68
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 BFB
 Acq: 13 Jul 2022 1:10

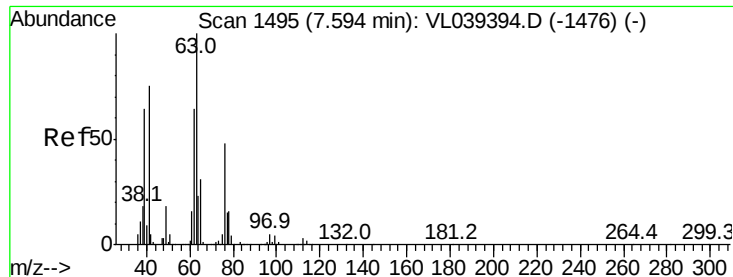
Tgt Ion: 43 Resp: 2704014
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.9 26.9#



#36
 Benzene
 Concen: 0.04 ppbv
 RT: 6.90 min Scan# 1278
 Delta R.T.: 0.02 min
 Lab File: VL039463.D
 Acq: 13 Jul 2022 1:16

Tgt Ion: 78 Resp: 11195
 Ion Ratio Lower Upper
 78 100
 77 21.3 20.3 30.5
 50 18.1 15.5 23.3





#39

1,2-Dichloropropane

Concen: 8.37 ppbv

RT: 7.19 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 13 Jul 2022 1:16 BFB

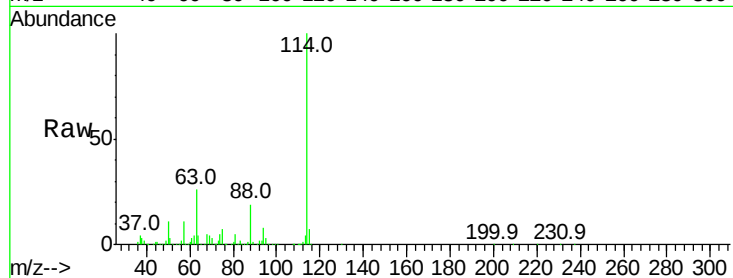
Tgt Ion: 63 Resp: 895223

Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

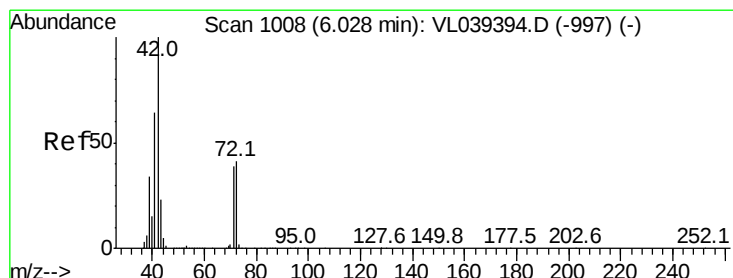
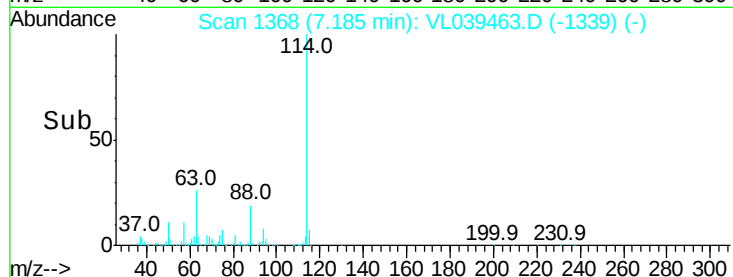
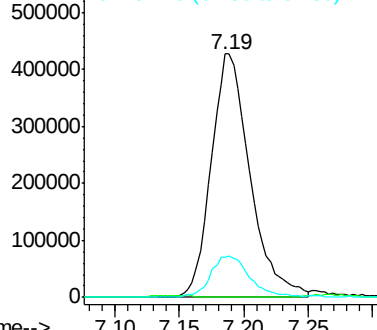
62 16.5 51.4 77.0#



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



#41

Tetrahydrofuran

Concen: 2.43 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.34 min

Lab File: VL039463.D

Acq: 13 Jul 2022 1:16

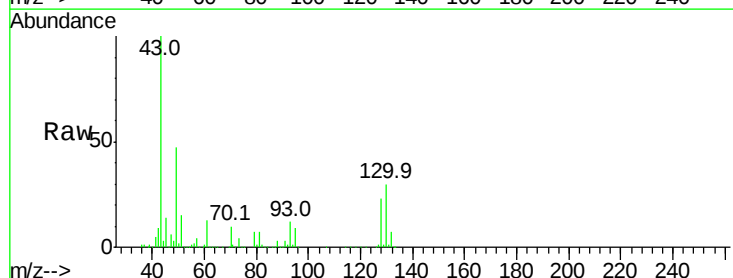
Tgt Ion: 42 Resp: 262192

Ion Ratio Lower Upper

42 100

72 0.7 31.8 47.8#

71 9.2 31.8 47.8#



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0

