

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022222\
 Data File : VL038389.D
 Acq On : 22 Feb 2022 15:00
 Operator : SY/AP
 Sample : N1606-03 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BG-TEDL

Quant Time: Feb 23 07:03:38 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	902324	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.17	114	2296268	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.07	117	2064701	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1591553	9.32	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.20%

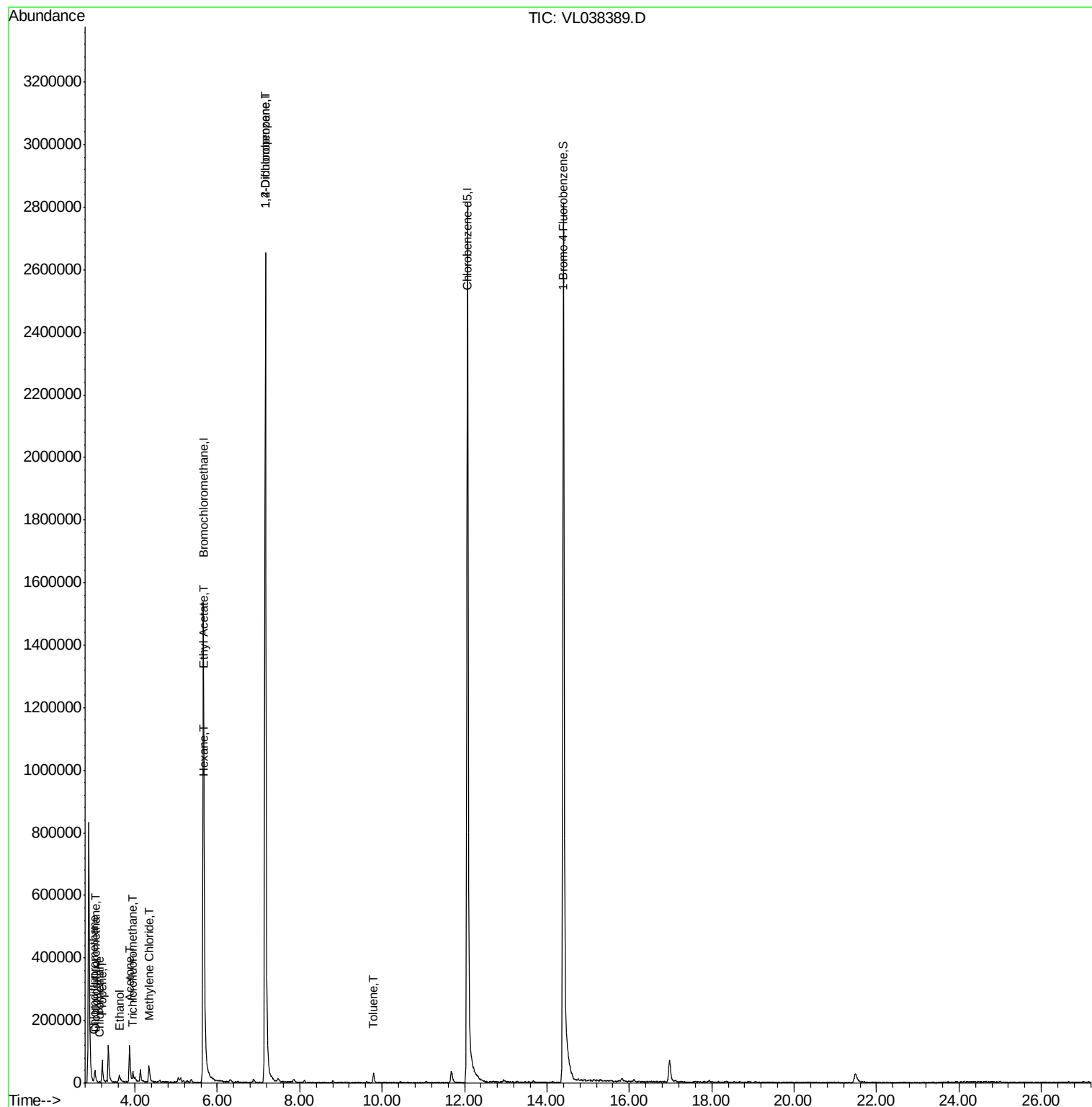
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	6198	0.04	ppbv	90
3) Chlorodifluoromethane	3.00	51	4904	0.03	ppbv #	85
4) Chloromethane	3.14	50	2455	0.04	ppbv #	64
9) Propene	3.20	41	20896	0.40	ppbv	86
11) Trichlorofluoromethane	3.95	101	20933	0.15	ppbv	84
13) Ethanol	3.62	45	12686	2.42	ppbv #	31
15) Acetone	3.87	43	83090	1.08	ppbv	90
20) Methylene Chloride	4.34	84	19803	0.52	ppbv #	95
25) Ethyl Acetate	5.68	43	21290	0.10	ppbv #	77
26) Hexane	5.69	57	9502	0.10	ppbv #	32
39) 1,2-Dichloropropane	7.17	63	592330	7.36	ppbv #	25
53) Toluene	9.80	91	23183	0.11	ppbv	100

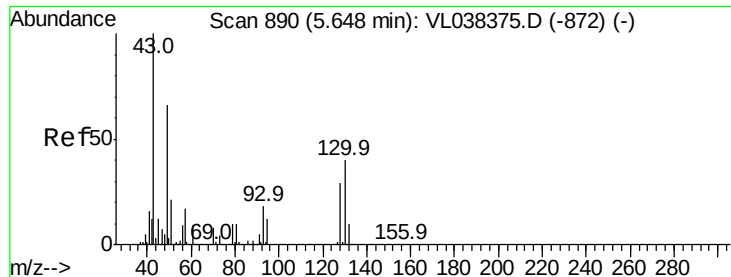
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 23 07:03:38 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
QLast Update : Tue Feb 22 19:45:51 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.66 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: BG-TEDL

Acq: 22 Feb 2022 15:00

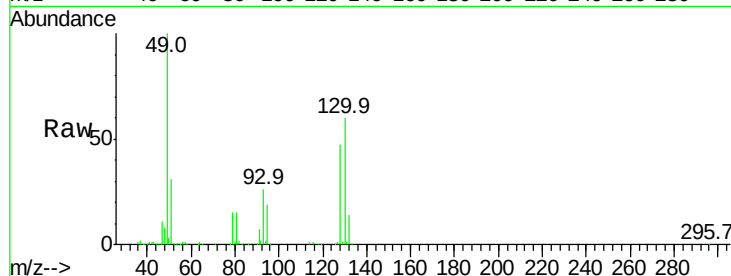
Tgt Ion: 49 Resp: 902324

Ion Ratio Lower Upper

49 100

128 49.2 24.3 72.9

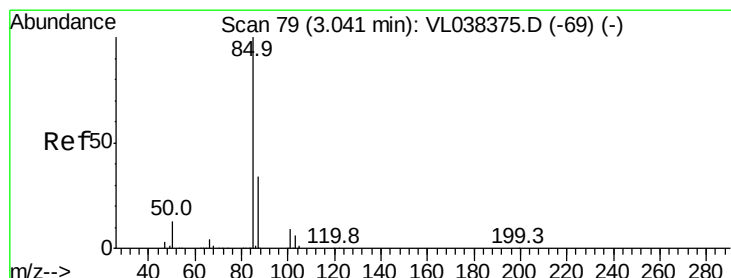
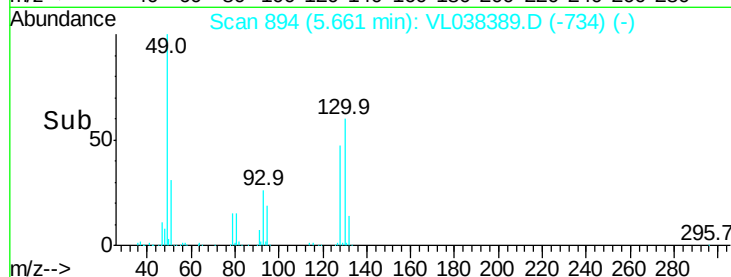
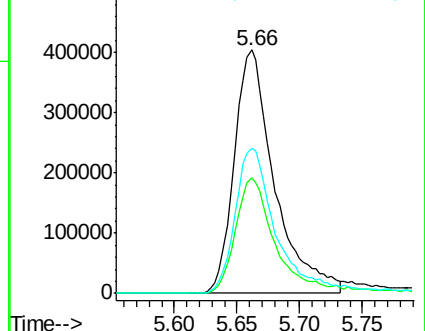
130 62.7 30.1 90.5



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: 0.04 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL038389.D

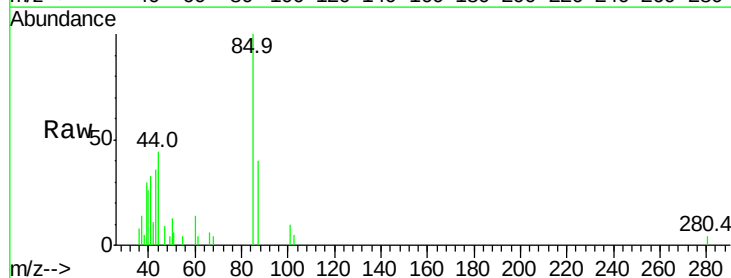
Acq: 22 Feb 2022 15:00

Tgt Ion: 85 Resp: 6198

Ion Ratio Lower Upper

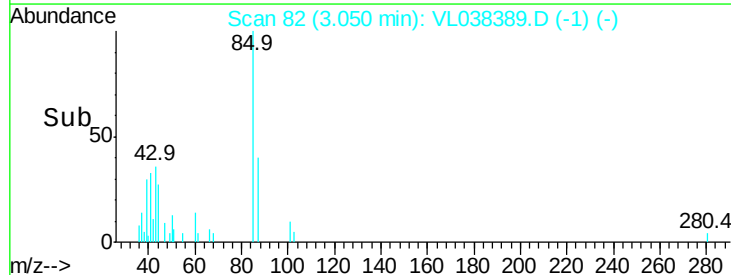
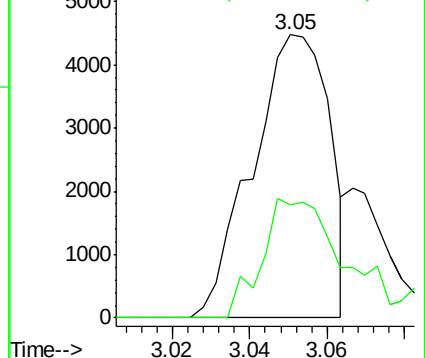
85 100

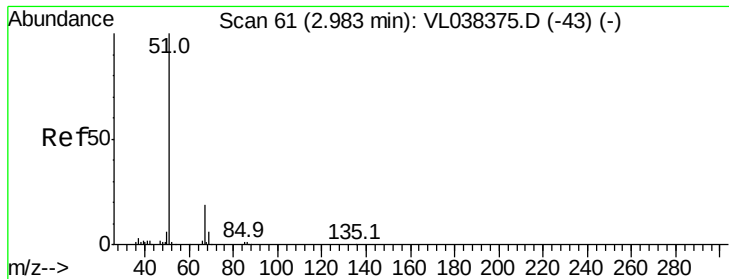
87 39.9 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.03 ppbv

RT: 3.00 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

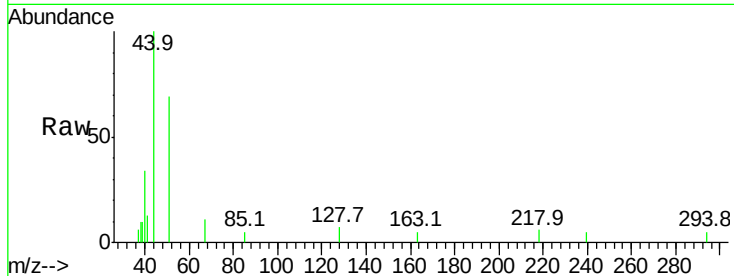
Acq: 22 Feb 2022 15:00

Tgt Ion: 51 Resp: 4904

Ion Ratio Lower Upper

51 100

67 11.6 14.7 22.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2500

2000

1500

1000

500

0

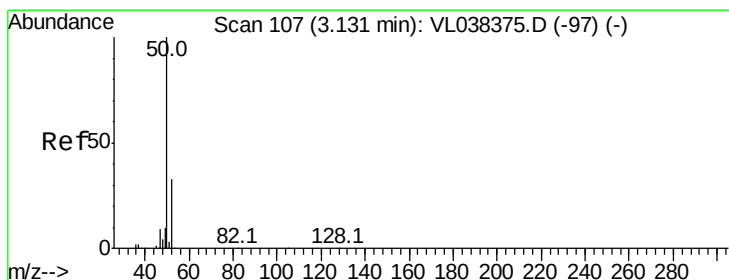
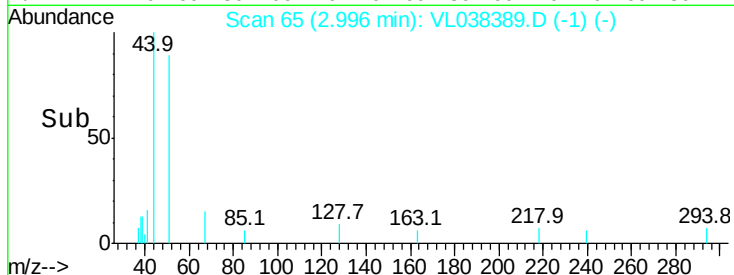
Time-->

2.90

2.95

3.00

3.05



#4

Chloromethane

Concen: 0.04 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL038389.D

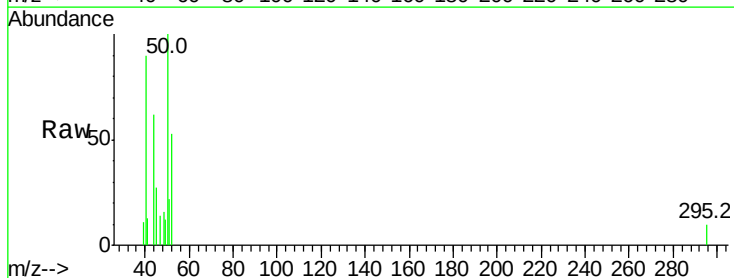
Acq: 22 Feb 2022 15:00

Tgt Ion: 50 Resp: 2455

Ion Ratio Lower Upper

50 100

52 53.4 26.5 39.7#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

1500

1000

500

0

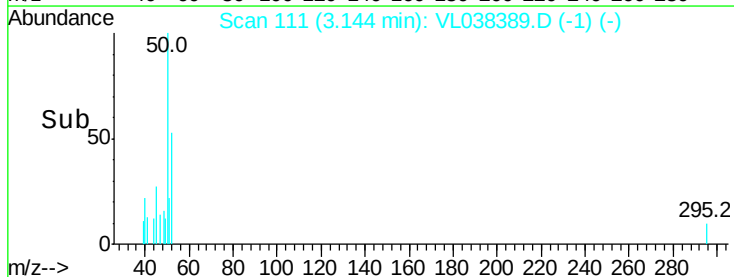
Time-->

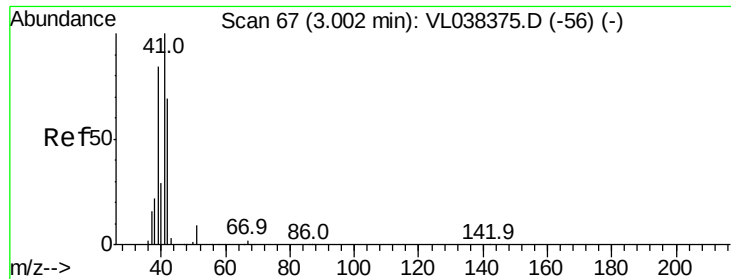
3.10

3.12

3.14

3.16





#9

Propene

Concen: 0.40 ppbv

RT: 3.20 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

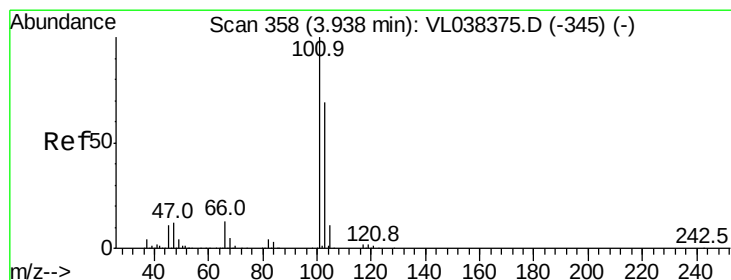
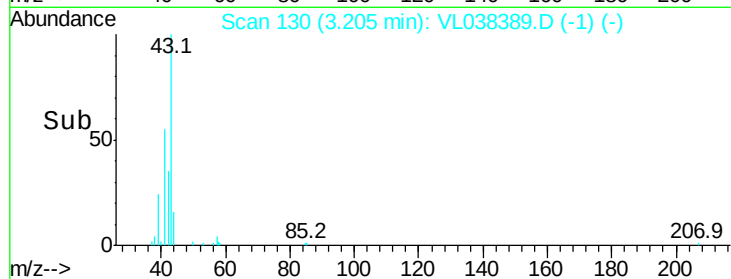
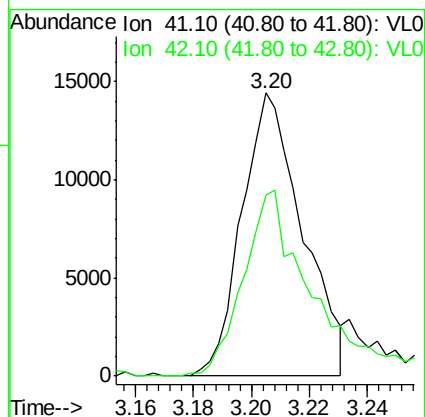
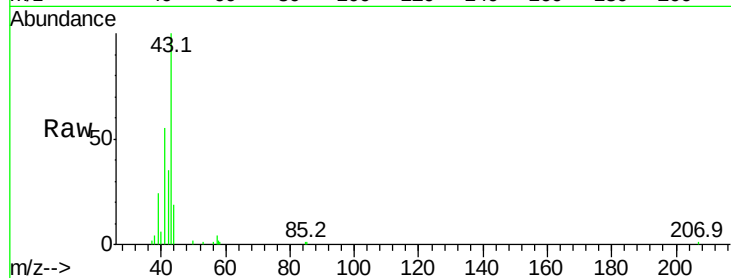
Acq: 22 Feb 2022 15:00 BG-TEDL

Tgt Ion: 41 Resp: 20896

Ion Ratio Lower Upper

41 100

42 80.0 54.6 82.0



#11

Trichlorofluoromethane

Concen: 0.15 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.01 min

Lab File: VL038389.D

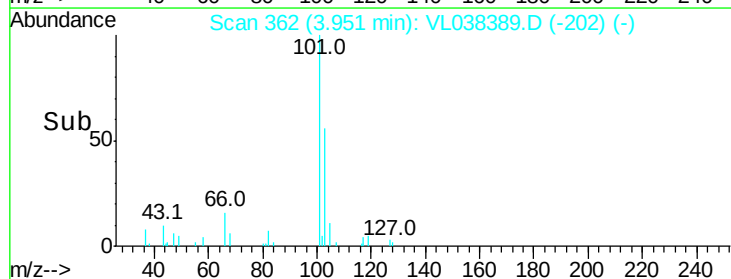
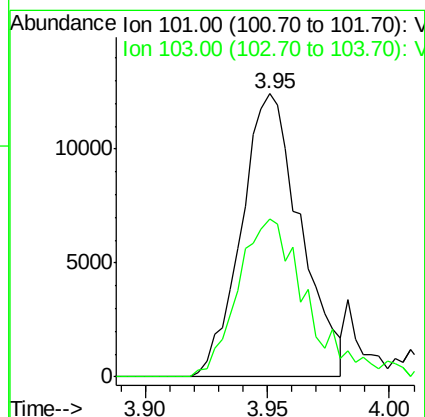
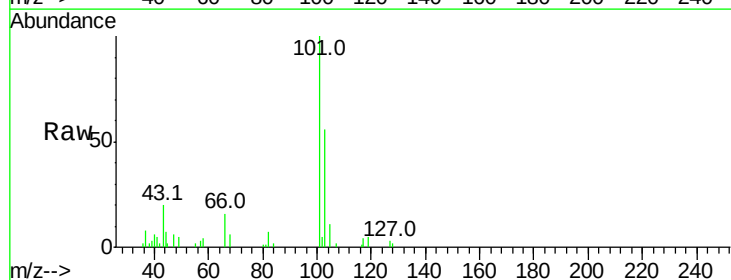
Acq: 22 Feb 2022 15:00

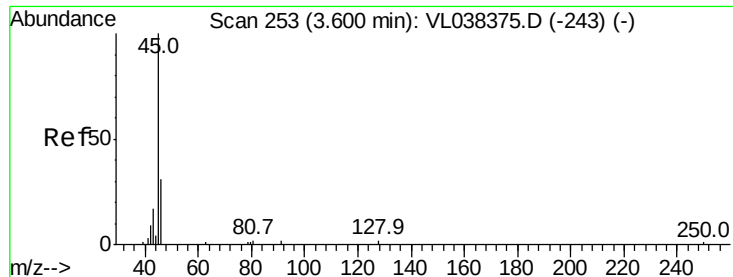
Tgt Ion: 101 Resp: 20933

Ion Ratio Lower Upper

101 100

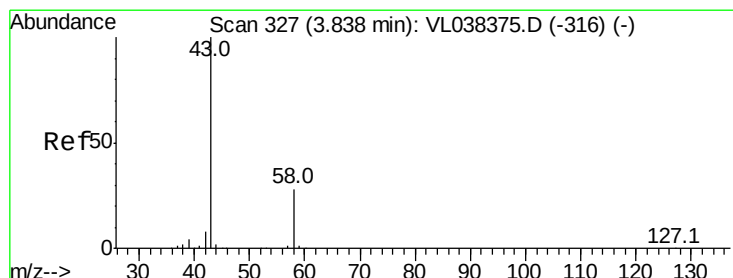
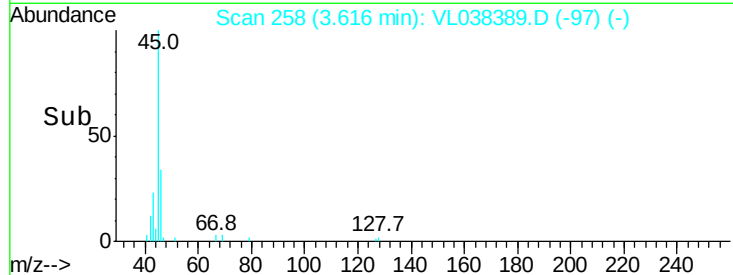
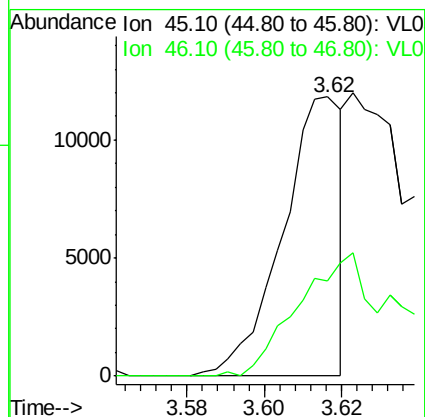
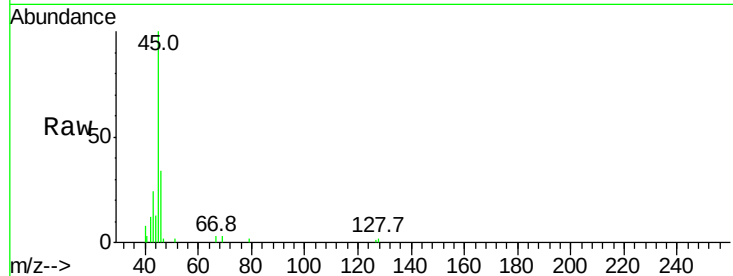
103 55.8 55.0 82.4





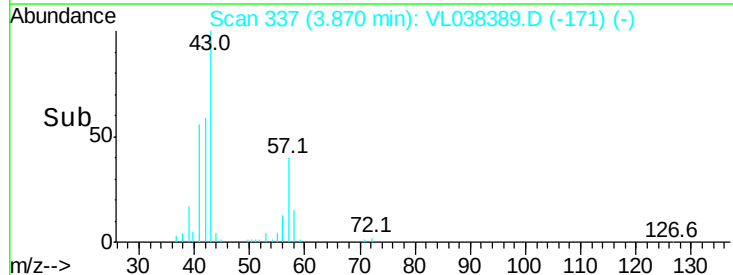
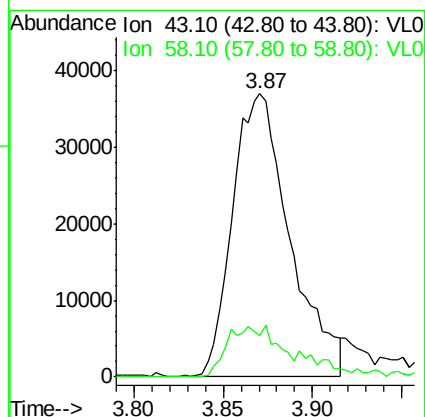
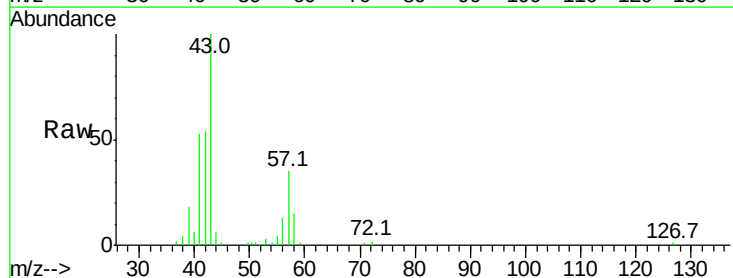
#13
 Ethanol
 Concen: 2.42 ppbv
 RT: 3.62
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 22 Feb 2022 15:00

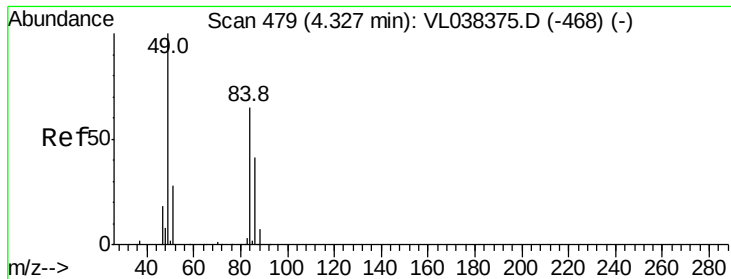
Tgt Ion: 45 Resp: 12686
 Ion Ratio Lower Upper
 45 100
 46 0.0 18.2 72.8#



#15
 Acetone
 Concen: 1.08 ppbv
 RT: 3.87 min Scan# 337
 Delta R.T. 0.03 min
 Lab File: VL038389.D
 Acq: 22 Feb 2022 15:00

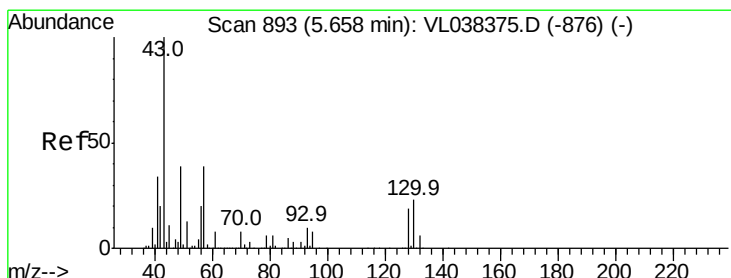
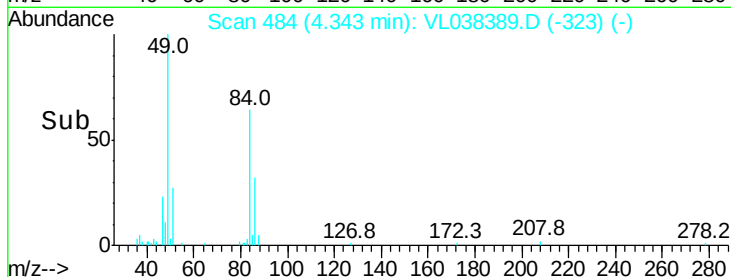
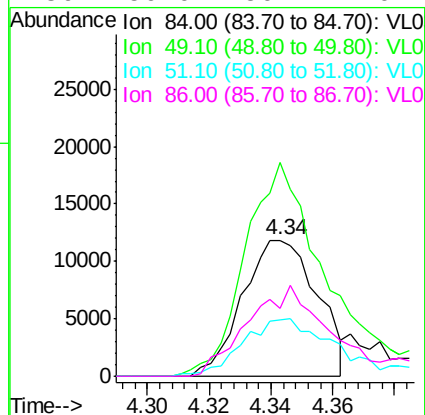
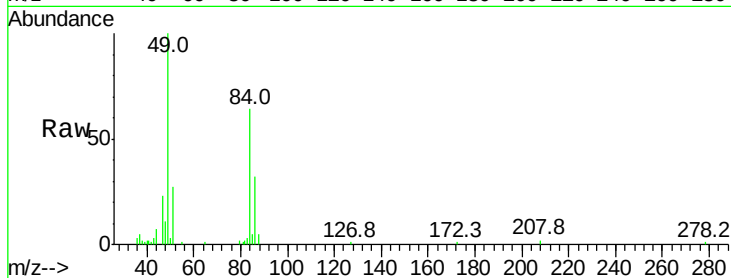
Tgt Ion: 43 Resp: 83090
 Ion Ratio Lower Upper
 43 100
 58 21.9 21.7 32.5





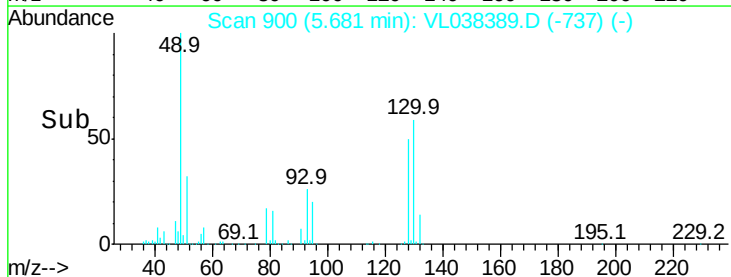
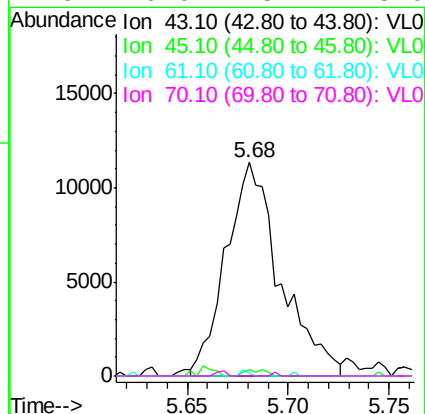
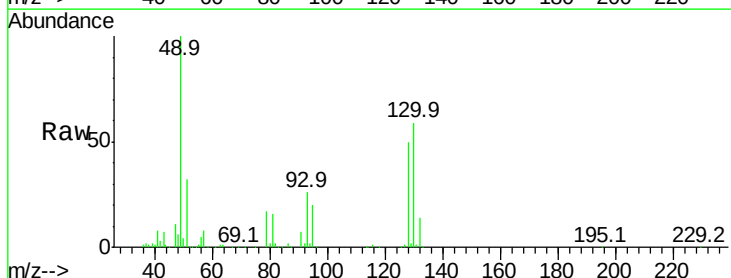
#20
Methylene Chloride
Concen: 0.52 ppbv
RT: 4.34
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 22 Feb 2022 15:00

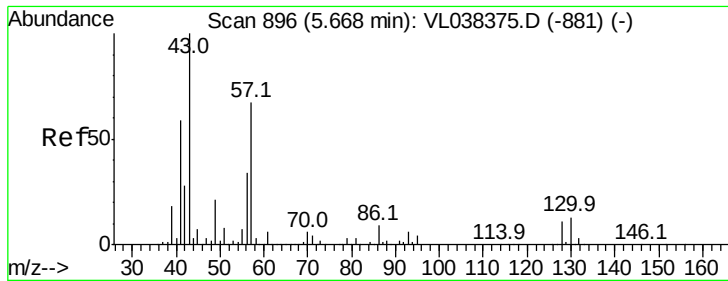
Tgt Ion:	84	Resp:	19803
Ion	Ratio	Lower	Upper
84	100		
49	152.0	122.4	183.6
51	39.4	33.3	49.9
86	50.0	50.7	76.1#



#25
Ethyl Acetate
Concen: 0.10 ppbv
RT: 5.68 min Scan# 900
Delta R.T.: 0.02 min
Lab File: VL038389.D
Acq: 22 Feb 2022 15:00

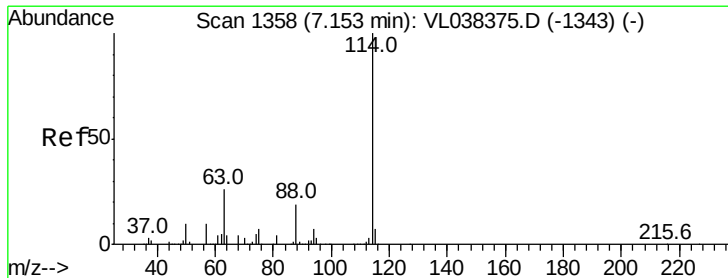
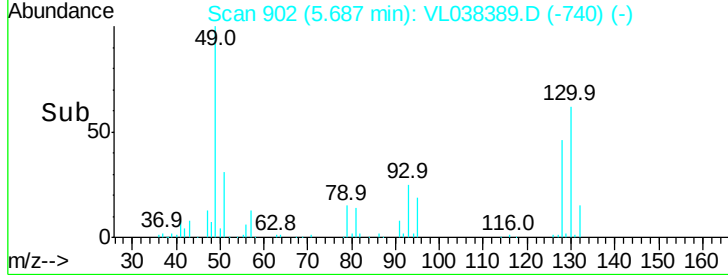
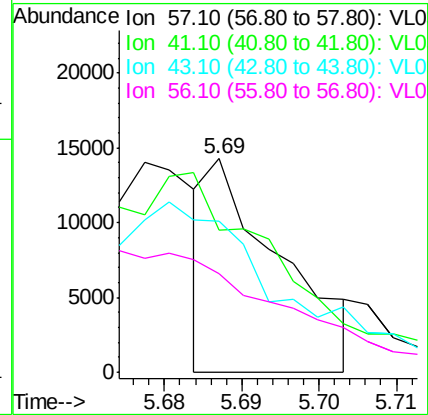
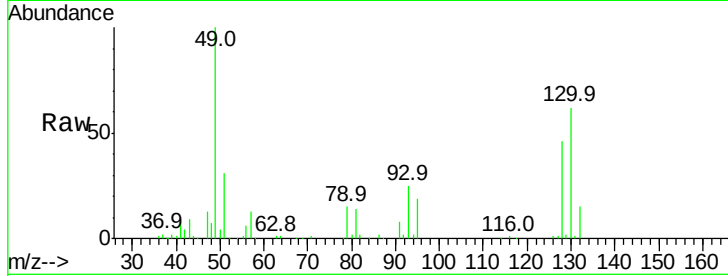
Tgt Ion:	43	Resp:	21290
Ion	Ratio	Lower	Upper
43	100		
45	1.2	7.8	11.6#
61	0.5	7.5	11.3#
70	0.0	5.4	8.0#





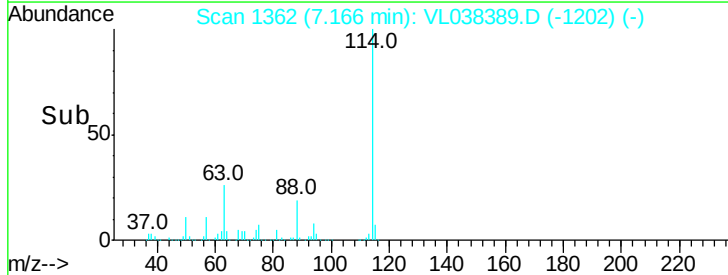
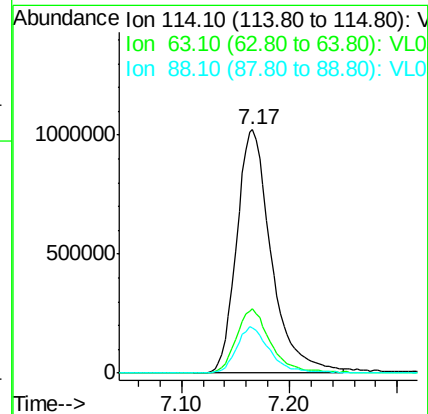
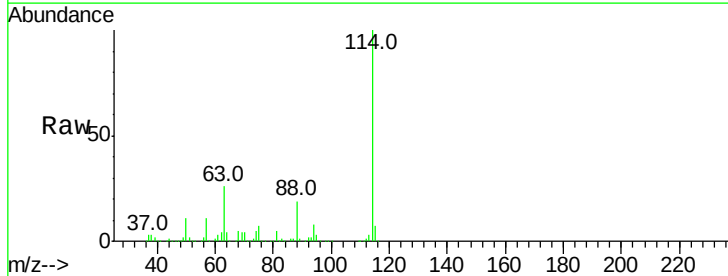
#26
Hexane
Concen: 0.10 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 22 Feb 2022 15:00

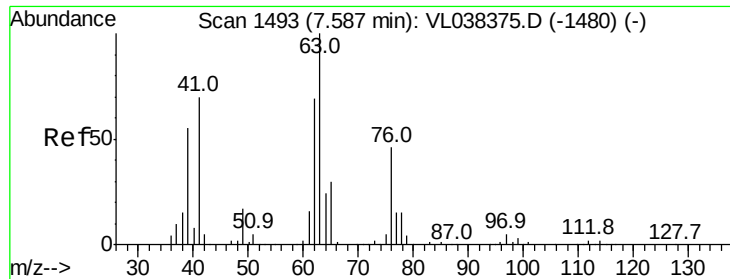
Tgt Ion:	57	Resp:	9502
Ion	Ratio	Lower	Upper
57	100		
41	288.7	73.1	109.7#
43	241.5	181.0	271.4
56	0.0	43.4	65.0#



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.17 min Scan# 1362
Delta R.T.: 0.01 min
Lab File: VL038389.D
Acq: 22 Feb 2022 15:00

Tgt Ion:	114	Resp:	2296268
Ion	Ratio	Lower	Upper
114	100		
63	26.5	22.2	33.2
88	18.7	15.2	22.8





#39

1,2-Dichloropropane

Concen: 7.36 ppbv

RT: 7.17 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 22 Feb 2022 15:00 BG-TEDL

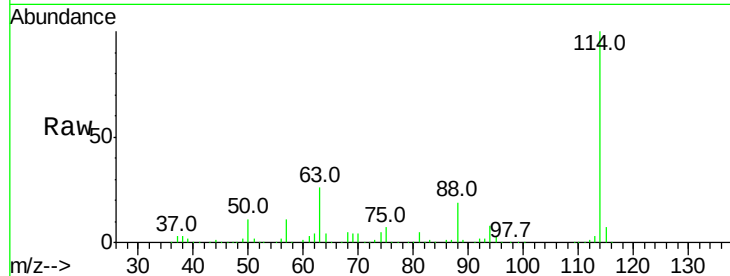
Tgt Ion: 63 Resp: 592330

Ion Ratio Lower Upper

63 100

41 0.0 56.1 84.1#

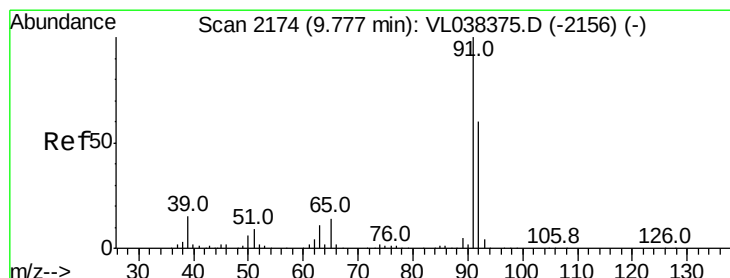
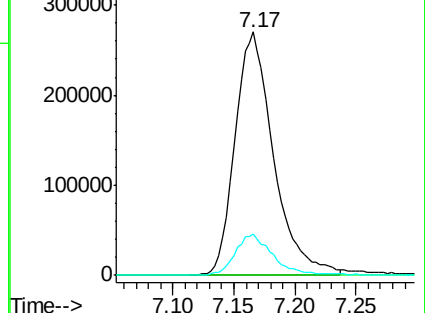
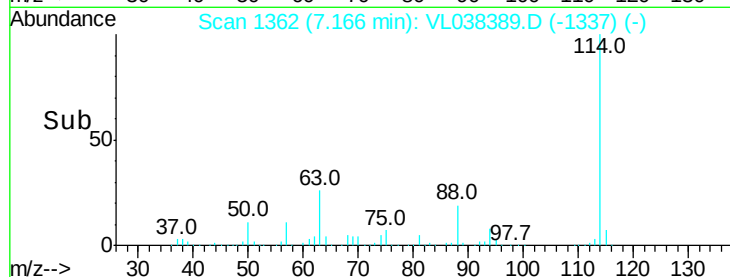
62 16.8 55.5 83.3#



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



#53

Toluene

Concen: 0.11 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. 0.02 min

Lab File: VL038389.D

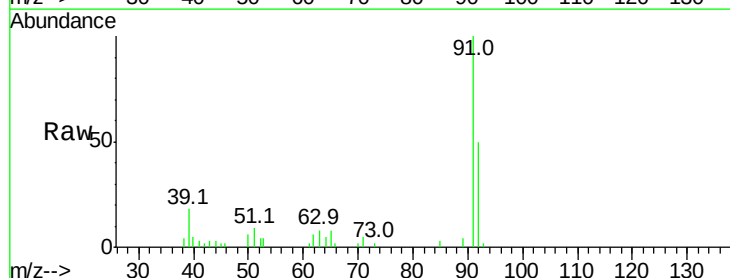
Acq: 22 Feb 2022 15:00

Tgt Ion: 91 Resp: 23183

Ion Ratio Lower Upper

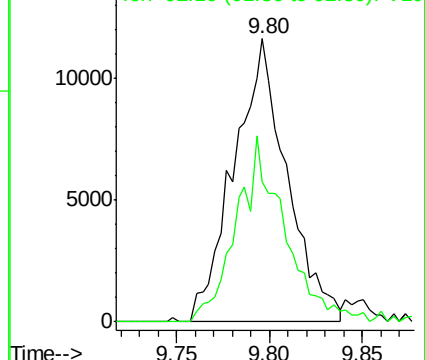
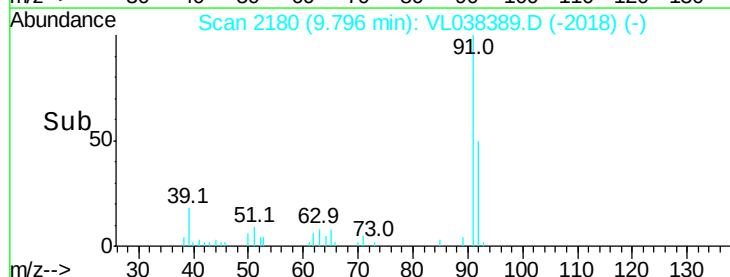
91 100

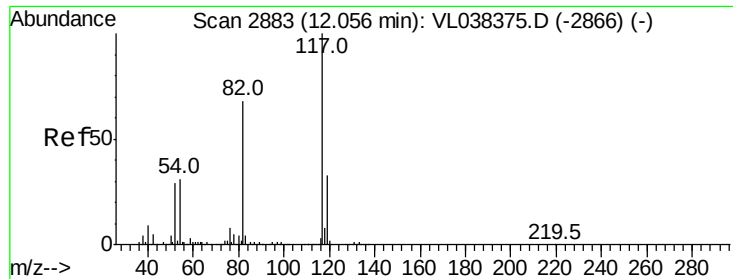
92 60.1 48.2 72.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

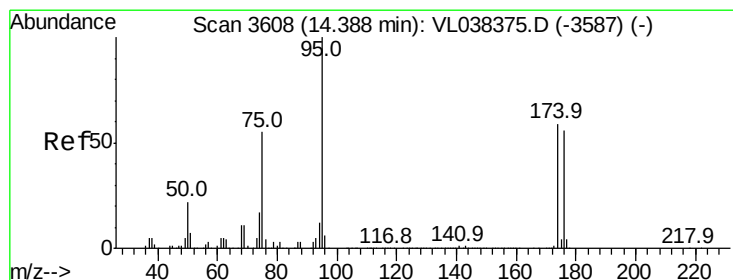
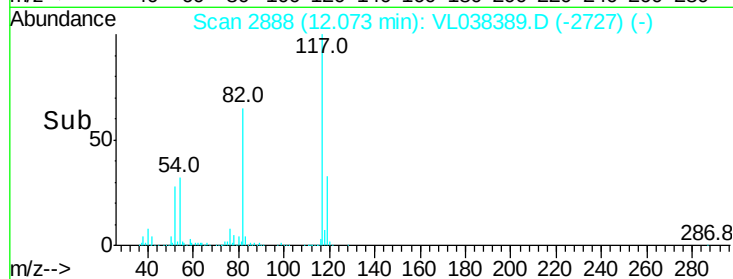
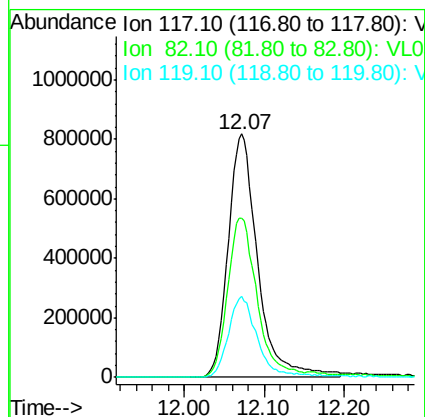
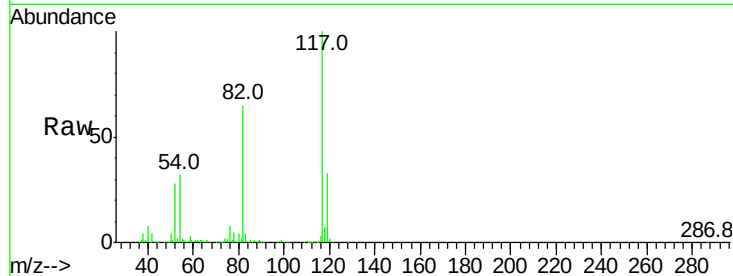
Ion 92.10 (91.80 to 92.80): VL0





#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.07 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 BG-TEDL
 Acq: 22 Feb 2022 15:00

Tgt Ion: 117 Resp: 2064701
 Ion Ratio Lower Upper
 117 100
 82 69.4 54.9 82.3
 119 33.1 46.1 69.1#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.32 ppbv
 RT: 14.40 min Scan# 3612
 Delta R.T.: 0.01 min
 Lab File: VL038389.D
 Acq: 22 Feb 2022 15:00

Tgt Ion: 95 Resp: 1591553
 Ion Ratio Lower Upper
 95 100
 174 63.6 49.0 73.4
 175 4.5 3.6 5.4

