

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL032122\
 Data File : VL038664.D
 Acq On : 22 Mar 2022 00:00
 Operator : SY/AP
 Sample : N1964-09DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P65DL

Quant Time: Mar 22 03:51:36 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	921993	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2363750	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2092215	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1576470	9.83	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

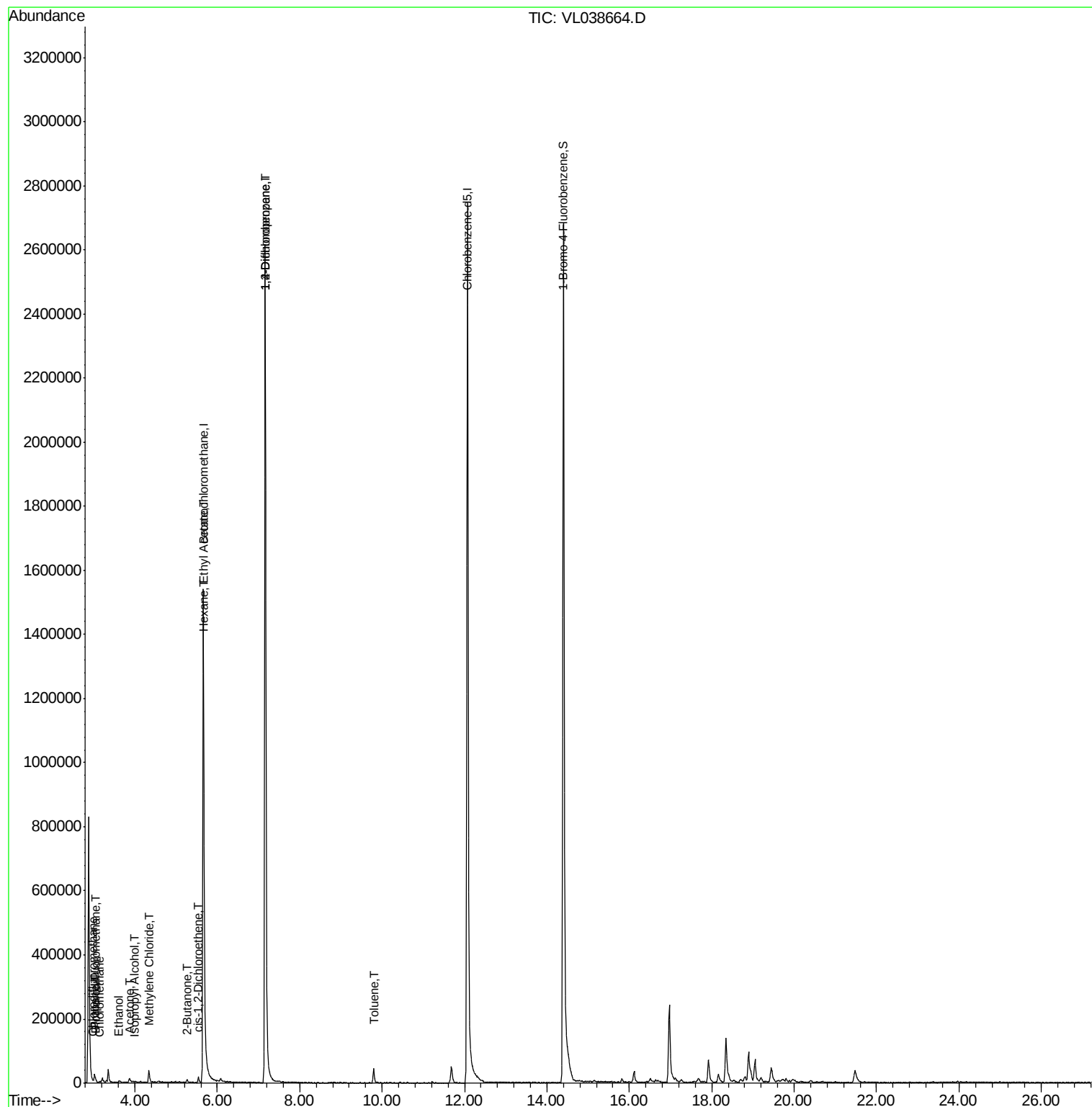
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.05	85	5303	0.04	ppbv	92
3) Chlorodifluoromethane	2.99	51	7005	0.07	ppbv #	85
4) Chloromethane	3.14	50	1750	0.03	ppbv #	87
9) Propene	3.02	41	3350	0.07	ppbv #	15
13) Ethanol	3.62	45	2495	0.48	ppbv #	4
15) Acetone	3.87	43	9986	0.13	ppbv #	43
19) Isopropyl Alcohol	3.99	45	1232	0.03	ppbv #	91
20) Methylene Chloride	4.34	84	15258	0.46	ppbv	92
25) Ethyl Acetate	5.67	43	4014	0.02	ppbv #	74
26) Hexane	5.68	57	5368	0.06	ppbv #	41
31) cis-1,2-Dichloroethene	5.54	61	7483	0.09	ppbv	94
34) 2-Butanone	5.26	43	4116	0.04	ppbv #	4
39) 1,2-Dichloropropane	7.16	63	551407	7.73	ppbv #	28
53) Toluene	9.79	91	19097	0.10	ppbv #	20

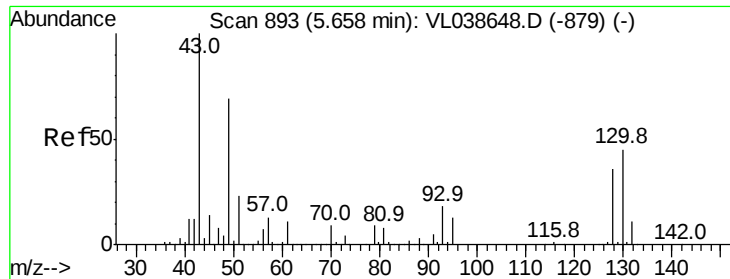
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL032122AIR.M
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QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 22 Mar 2022 00:00

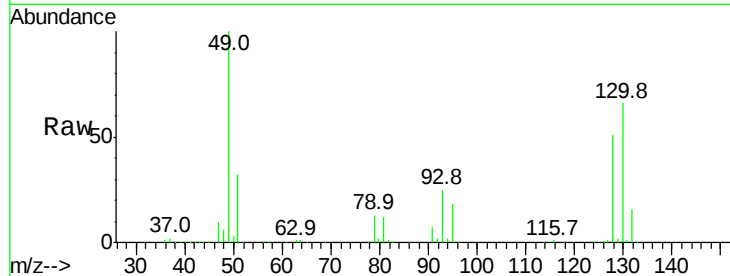
Tgt Ion: 49 Resp: 921993

Ion Ratio Lower Upper

49 100

128 53.7 26.2 78.6

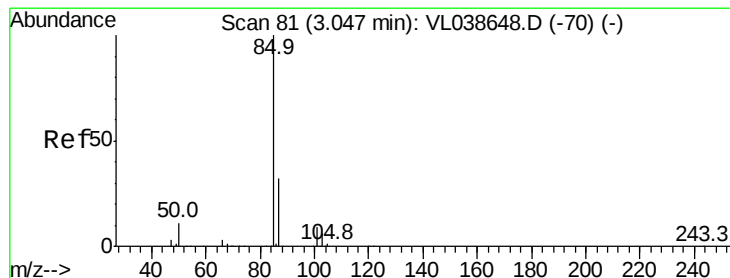
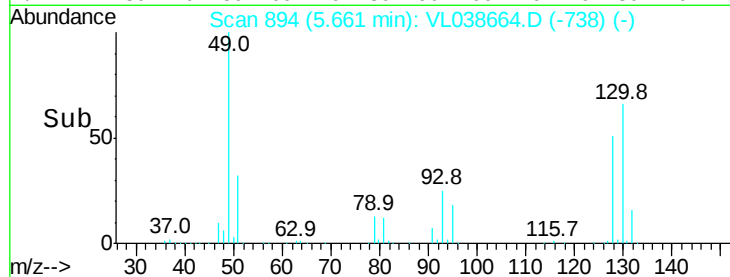
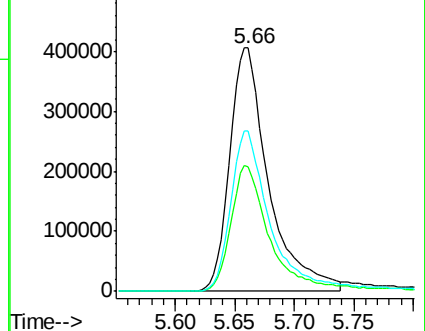
130 69.4 33.7 101.1



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. 0.00 min

Lab File: VL038664.D

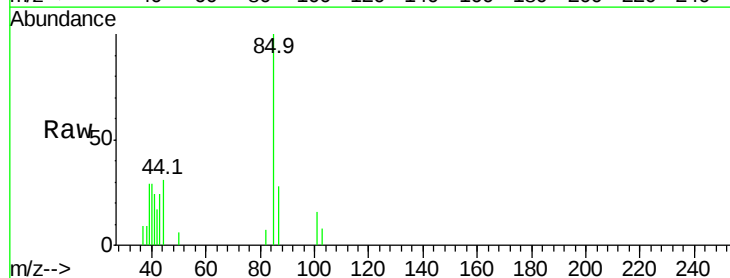
Acq: 22 Mar 2022 00:00

Tgt Ion: 85 Resp: 5303

Ion Ratio Lower Upper

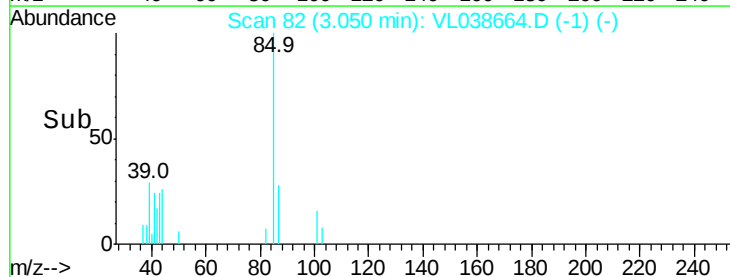
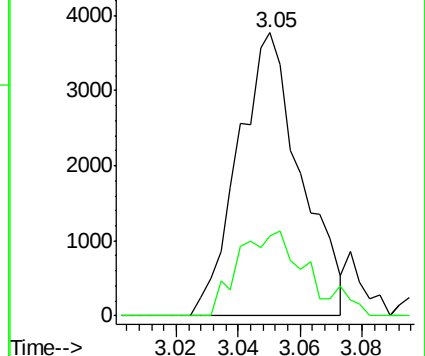
85 100

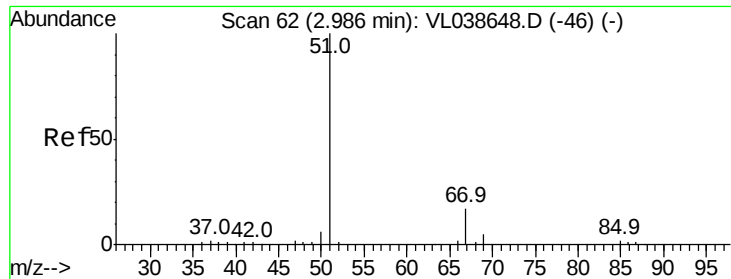
87 28.2 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.07 ppbv

RT: 2.99 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: COP65DL

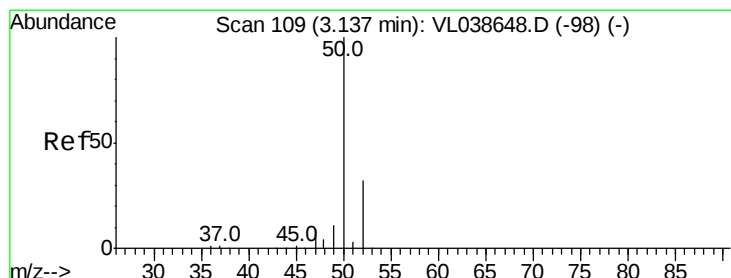
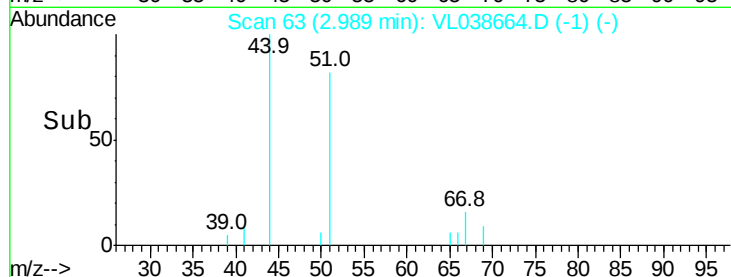
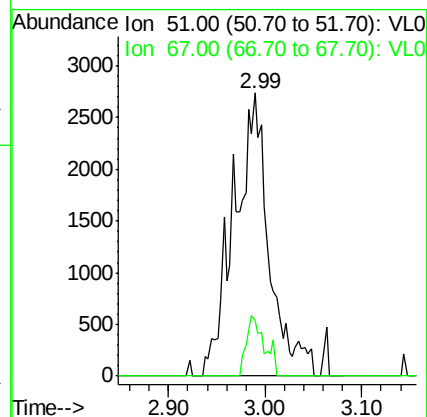
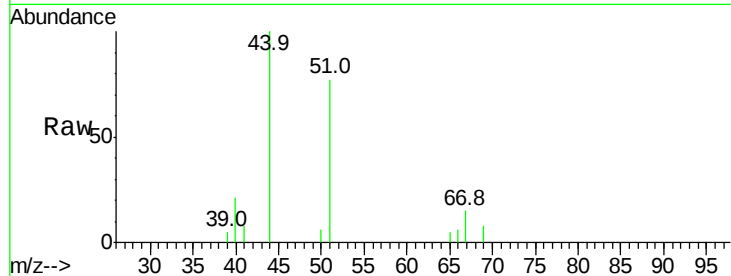
Acq: 22 Mar 2022 00:00

Tgt Ion: 51 Resp: 7005

Ion Ratio Lower Upper

51 100

67 10.8 14.1 21.1#



#4

Chloromethane

Concen: 0.03 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.00 min

Lab File: VL038664.D

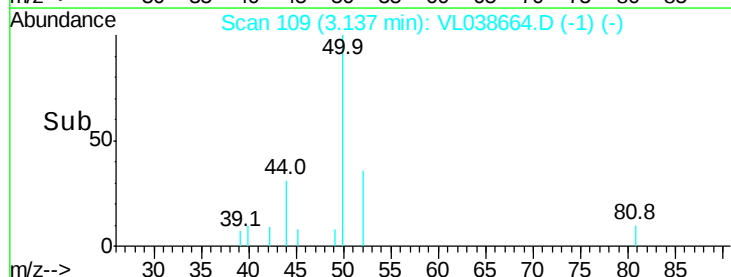
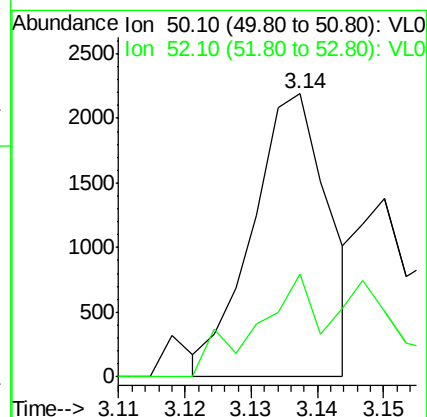
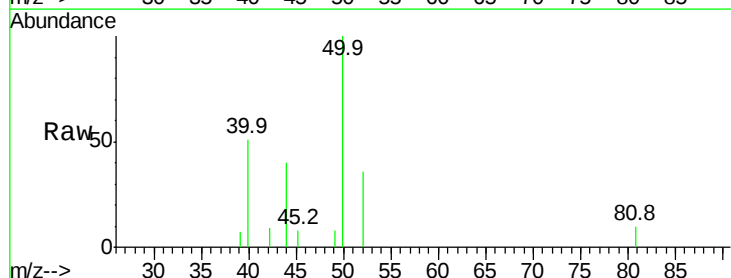
Acq: 22 Mar 2022 00:00

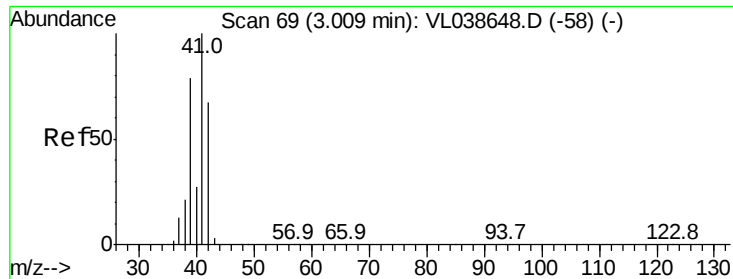
Tgt Ion: 50 Resp: 1750

Ion Ratio Lower Upper

50 100

52 39.3 25.5 38.3#





#9

Propene

Concen: 0.07 ppbv

RT: 3.02 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: C0P65DL

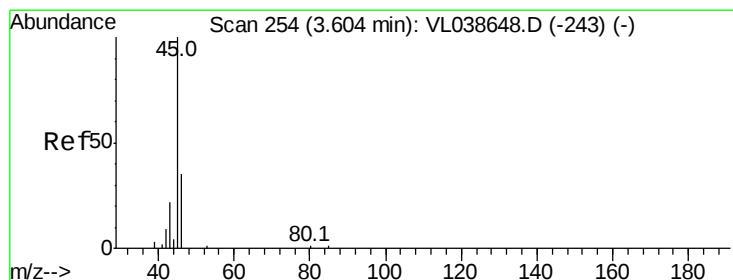
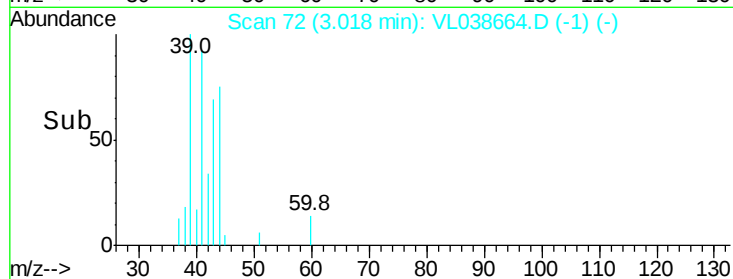
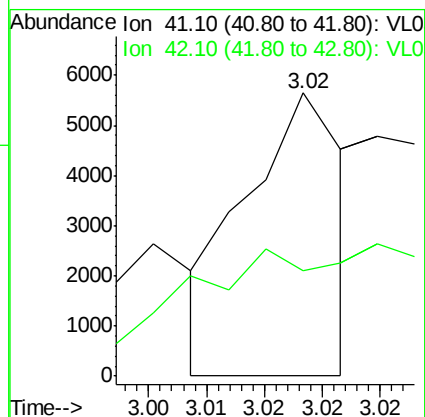
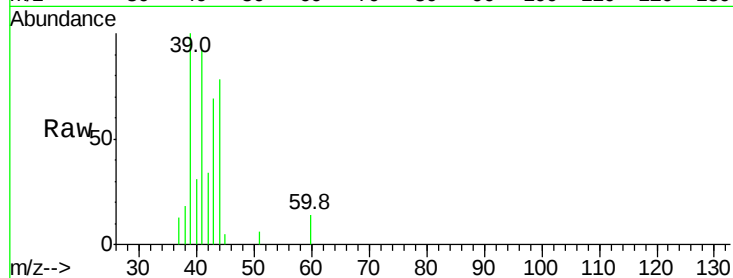
Acq: 22 Mar 2022 00:00

Tgt Ion: 41 Resp: 3350

Ion Ratio Lower Upper

41 100

42 0.0 56.2 84.4#



#13

Ethanol

Concen: 0.48 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL038664.D

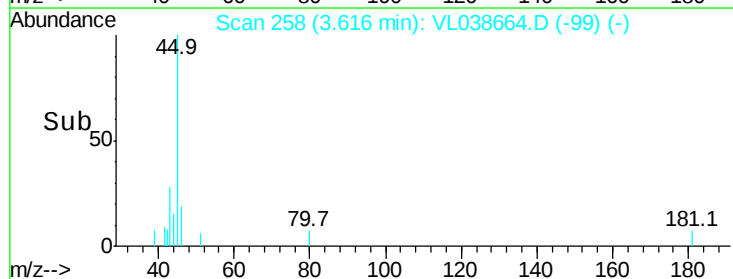
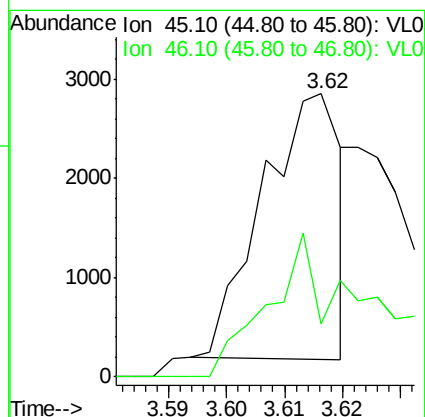
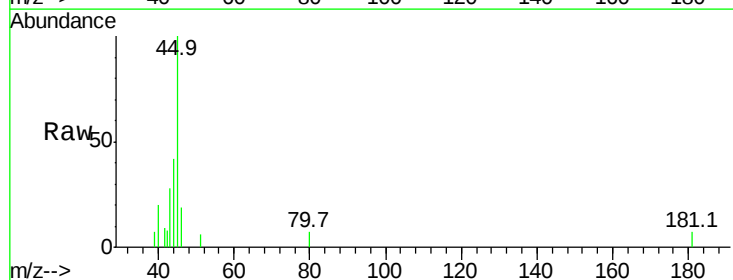
Acq: 22 Mar 2022 00:00

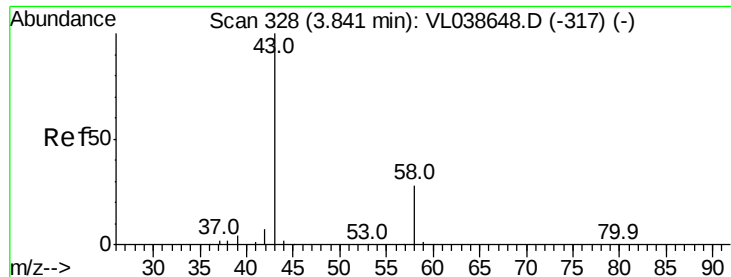
Tgt Ion: 45 Resp: 2495

Ion Ratio Lower Upper

45 100

46 95.5 15.1 60.5#





#15

Acetone

Concen: 0.13 ppbv

RT: 3.87

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

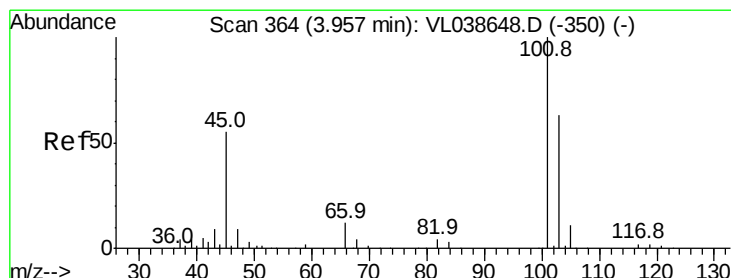
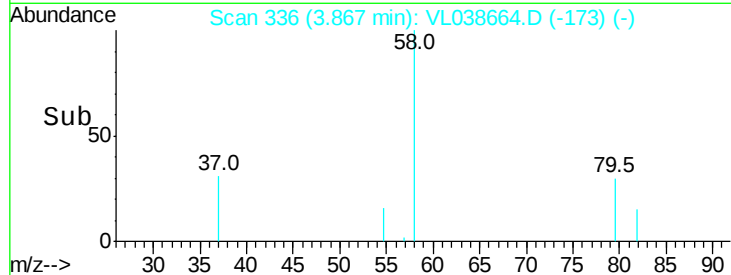
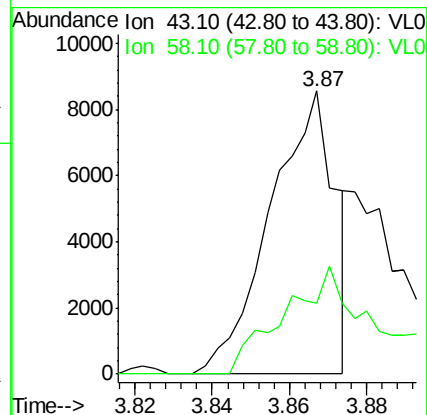
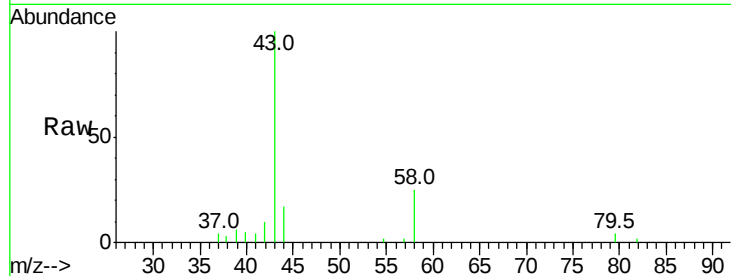
Acq: 22 Mar 2022 00:00

Tgt Ion: 43 Resp: 9986

Ion Ratio Lower Upper

43 100

58 59.4 23.3 34.9#



#19

Isopropyl Alcohol

Concen: 0.03 ppbv

RT: 3.99 min Scan# 373

Delta R.T. 0.03 min

Lab File: VL038664.D

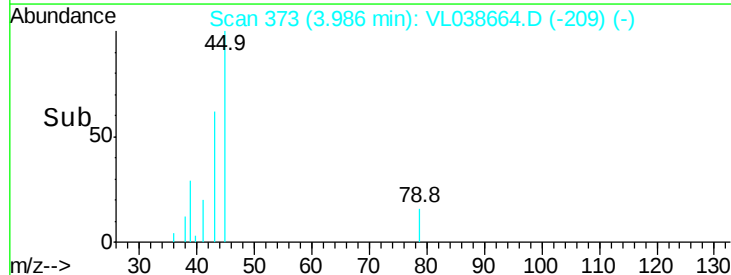
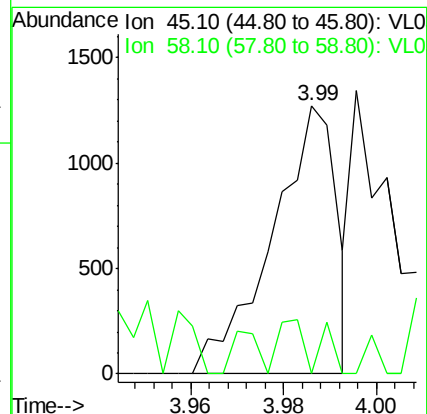
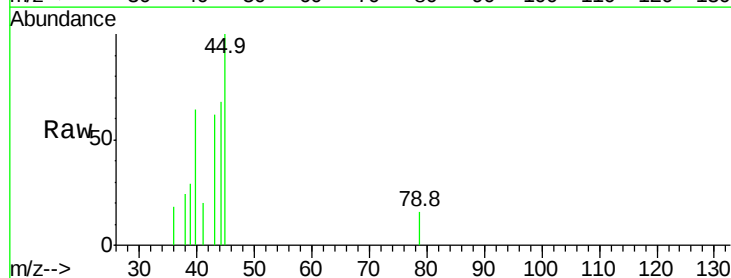
Acq: 22 Mar 2022 00:00

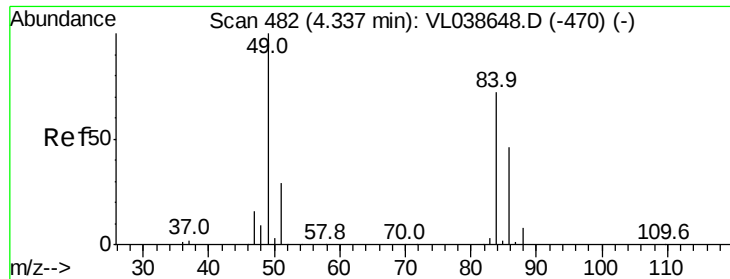
Tgt Ion: 45 Resp: 1232

Ion Ratio Lower Upper

45 100

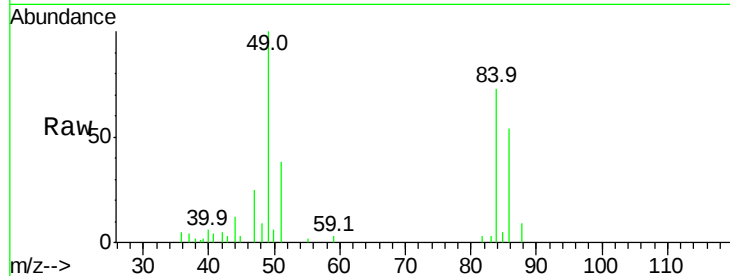
58 0.0 2.3 3.5#



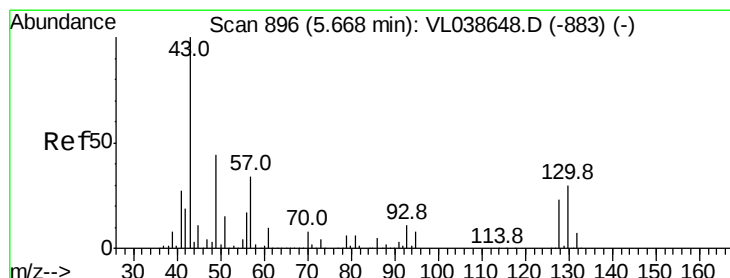
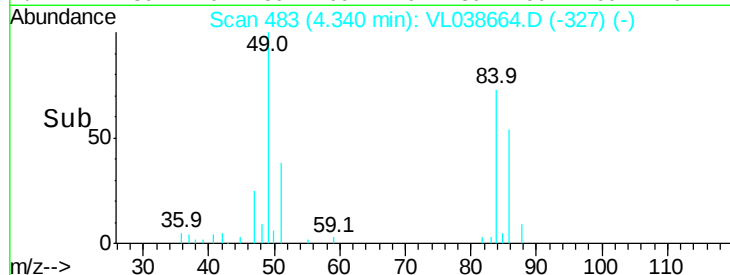
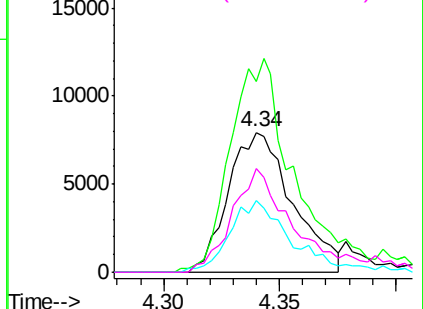


#20
Methylene Chloride
Concen: 0.46 ppbv
RT: 4.34
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 22 Mar 2022 00:00

Tgt Ion:	84	Resp:	15258
Ion	Ratio	Lower	Upper
84	100		
49	134.3	111.2	166.8
51	48.7	32.8	49.2
86	73.9	51.4	77.0

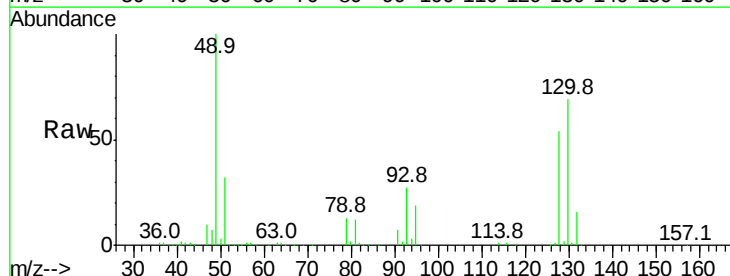


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

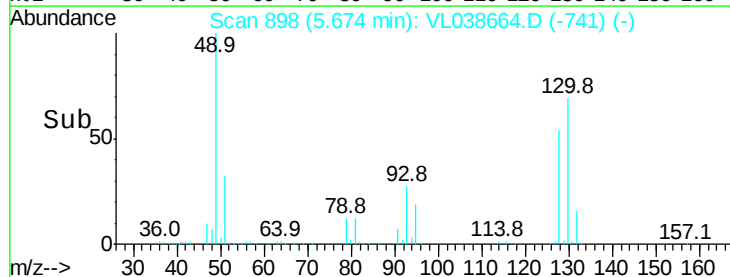
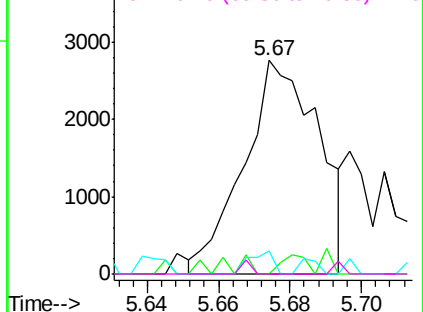


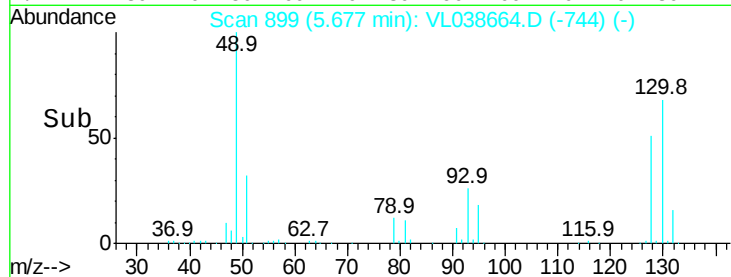
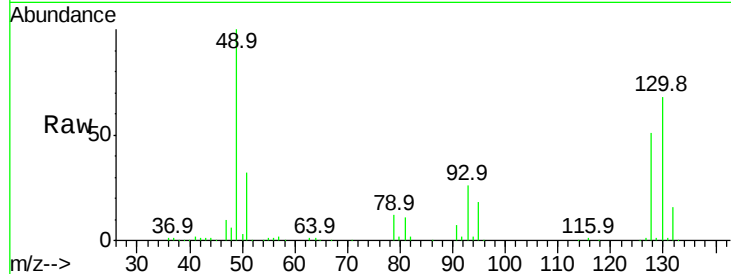
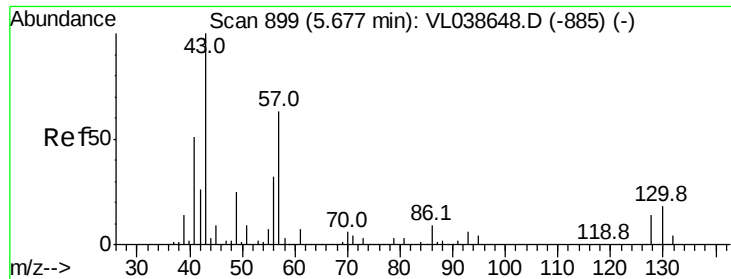
#25
Ethyl Acetate
Concen: 0.02 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL038664.D
Acq: 22 Mar 2022 00:00

Tgt Ion:	43	Resp:	4014
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.2	12.4#
61	0.0	8.3	12.5#
70	0.0	5.6	8.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 0.06 ppbv

RT: 5.68 Instrument: MSVOA_1

Delta R.T. -0.00

Lab File: ClientSampleId: C0P65DL

Acq: 22 Mar 2022 00:00

Tgt Ion: 57 Resp: 5368

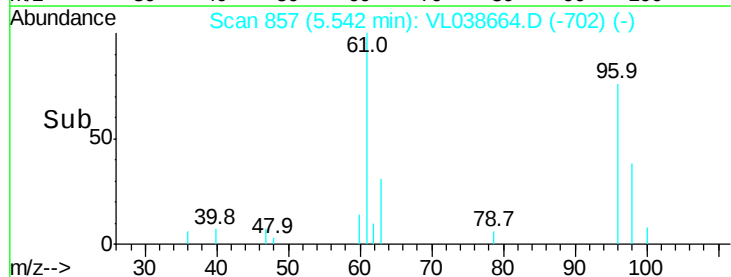
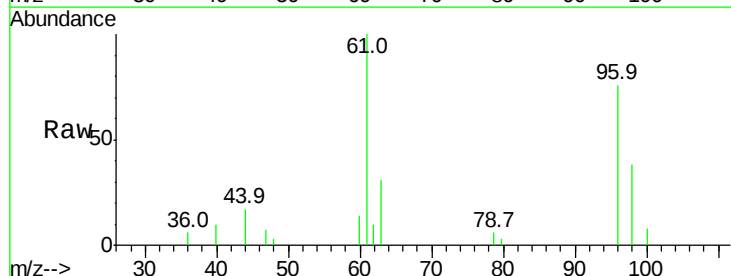
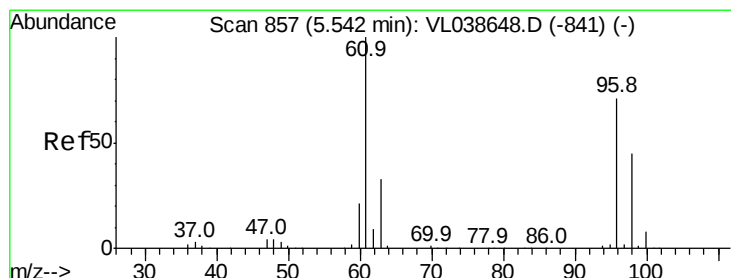
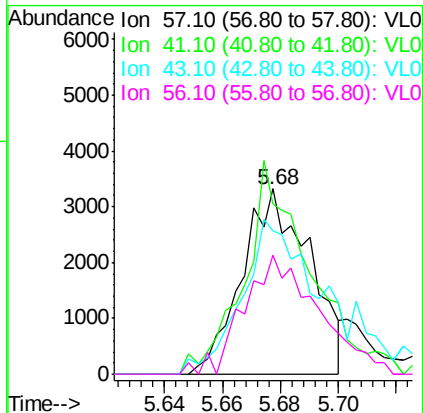
Ion Ratio Lower Upper

57 100

41 113.2 67.0 100.4#

43 104.5 184.2 276.2#

56 71.2 42.6 64.0#



#31

cis-1,2-Dichloroethene

Concen: 0.09 ppbv

RT: 5.54 min Scan# 857

Delta R.T. -0.00 min

Lab File: VL038664.D

Acq: 22 Mar 2022 00:00

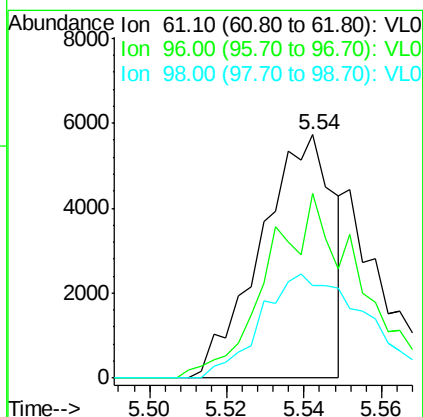
Tgt Ion: 61 Resp: 7483

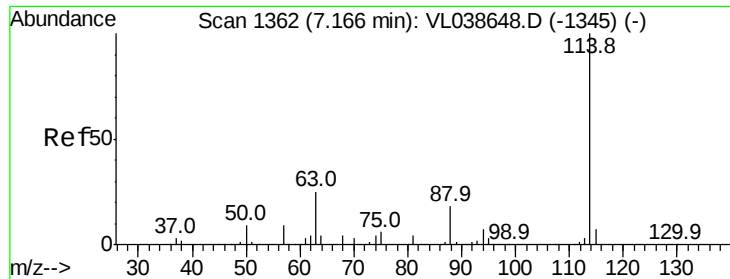
Ion Ratio Lower Upper

61 100

96 72.8 56.6 84.8

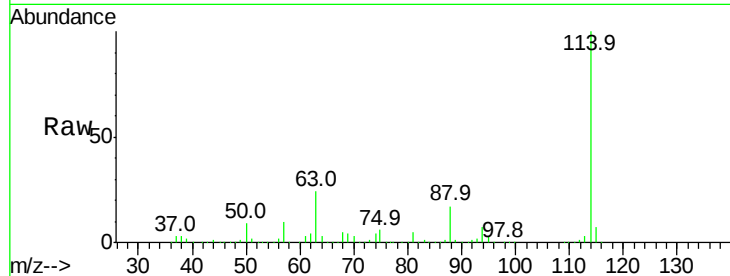
98 38.1 36.3 54.5



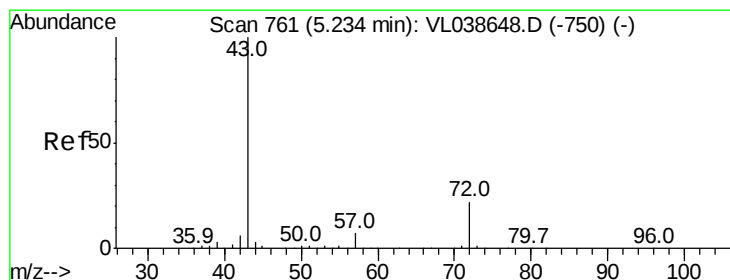
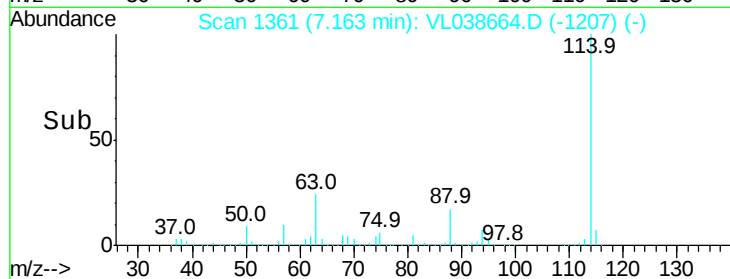
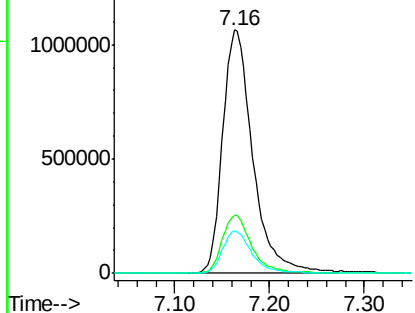


#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.16 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 C0P65DL
 Acq: 22 Mar 2022 00:00

Tgt Ion: 114 Resp: 2363750
 Ion Ratio Lower Upper
 114 100
 63 23.7 19.4 29.0
 88 17.3 13.9 20.9

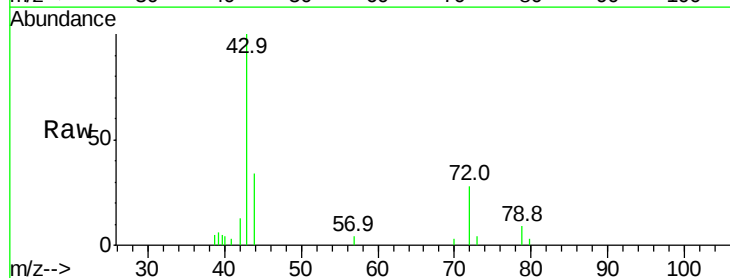


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

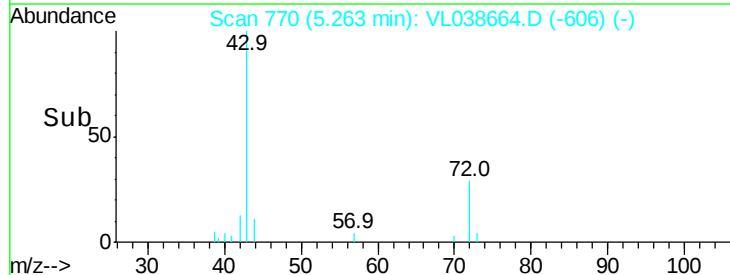
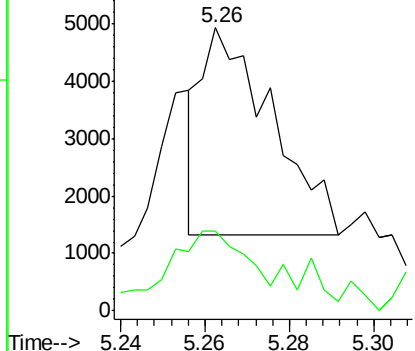


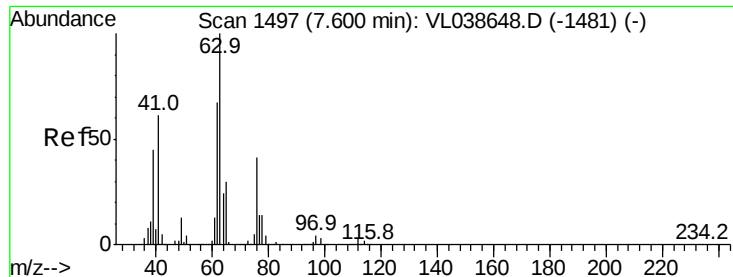
#34
 2-Butanone
 Concen: 0.04 ppbv
 RT: 5.26 min Scan# 770
 Delta R.T.: 0.03 min
 Lab File: VL038664.D
 Acq: 22 Mar 2022 00:00

Tgt Ion: 43 Resp: 4116
 Ion Ratio Lower Upper
 43 100
 72 68.1 17.8 26.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#39

1,2-Dichloropropane

Concen: 7.73 ppbv

RT: 7.16

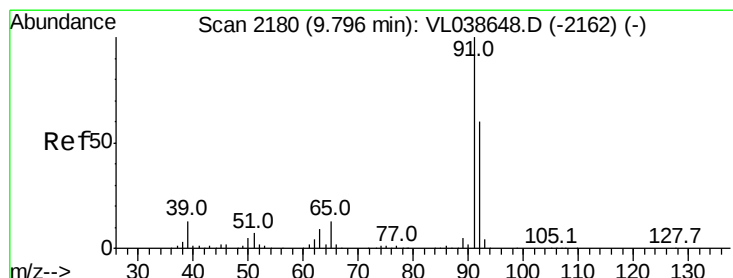
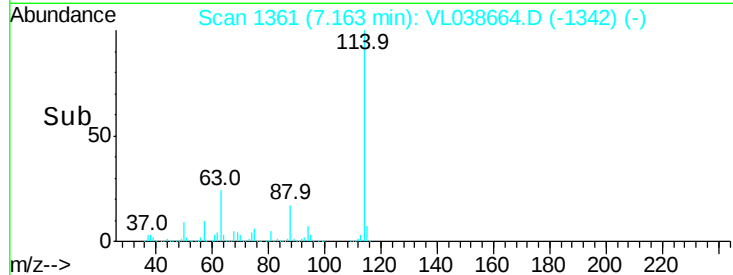
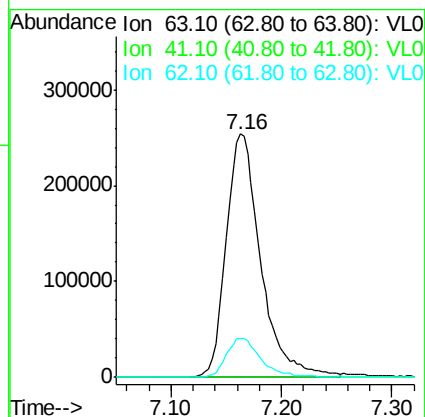
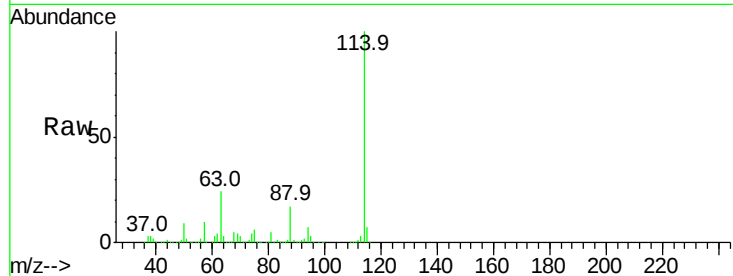
Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 22 Mar 2022 00:00

Tgt Ion: 63 Resp: 551407

Ion	Ratio	Lower	Upper
63	100		
41	0.1	49.0	73.6#
62	15.7	53.9	80.9#



#53

Toluene

Concen: 0.10 ppbv

RT: 9.79 min Scan# 2178

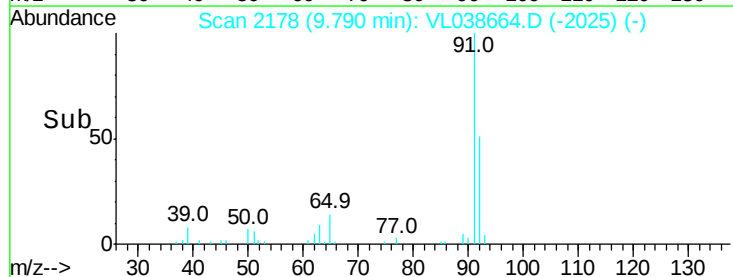
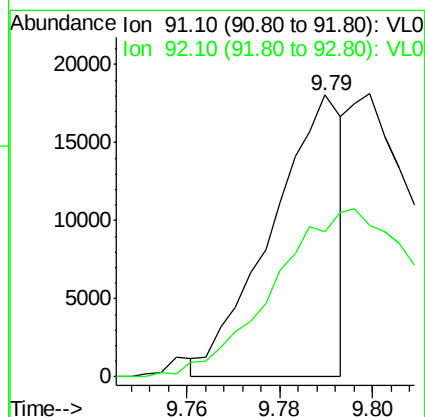
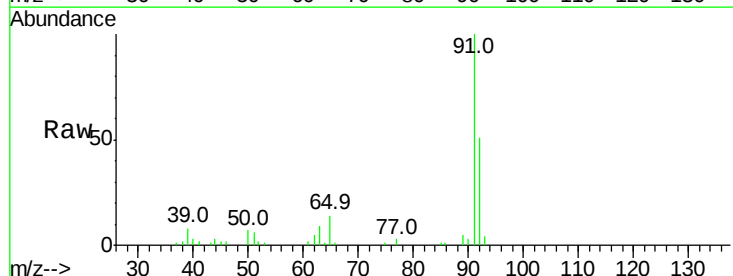
Delta R.T. -0.01 min

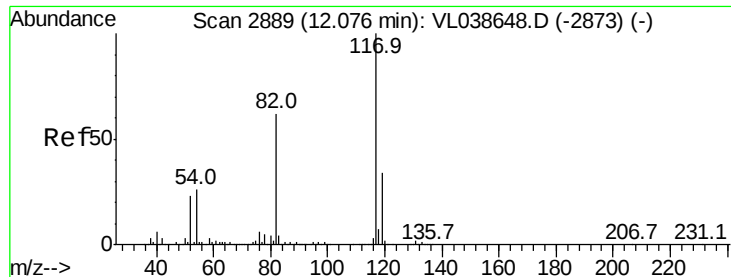
Lab File: VL038664.D

Acq: 22 Mar 2022 00:00

Tgt Ion: 91 Resp: 19097

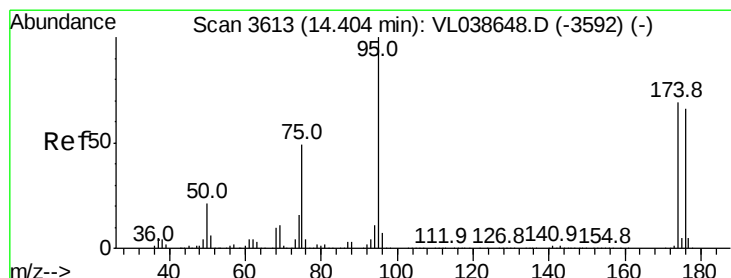
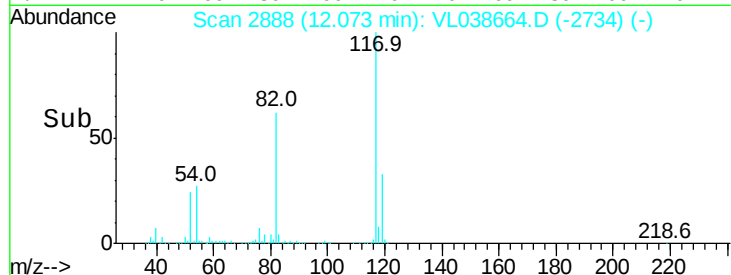
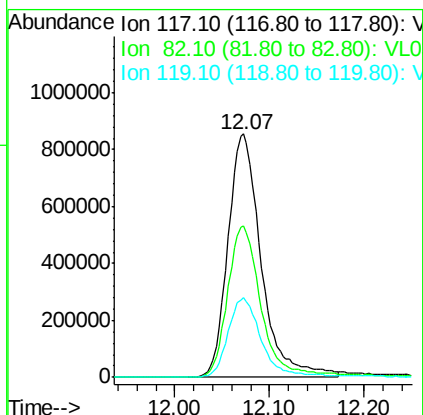
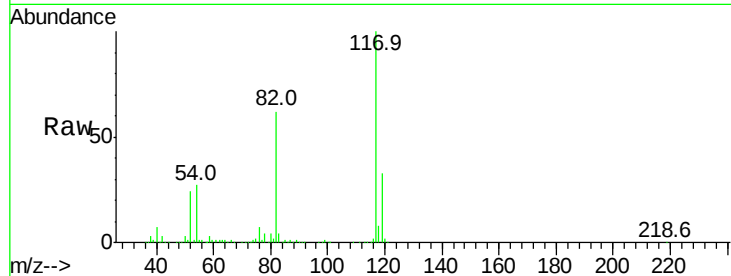
Ion	Ratio	Lower	Upper
91	100		
92	0.0	48.7	73.1#





#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.07 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 COP65DL
 Acq: 22 Mar 2022 00:00

Tgt Ion: 117 Resp: 2092215
 Ion Ratio Lower Upper
 117 100
 82 65.5 51.6 77.4
 119 33.9 26.9 40.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.83 ppbv
 RT: 14.40 min Scan# 3612
 Delta R.T.: -0.00 min
 Lab File: VL038664.D
 Acq: 22 Mar 2022 00:00

Tgt Ion: 95 Resp: 1576470
 Ion Ratio Lower Upper
 95 100
 174 70.6 56.1 84.1
 175 4.8 4.2 6.2

