

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030922\
 Data File : VL038582.D
 Acq On : 9 Mar 2022 19:02
 Operator : SY/AP
 Sample : N1702-05DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1DL

Quant Time: Mar 10 00:34:40 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	824424	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	2143741	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.09	117	1849101	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	1348094	9.59	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.90%

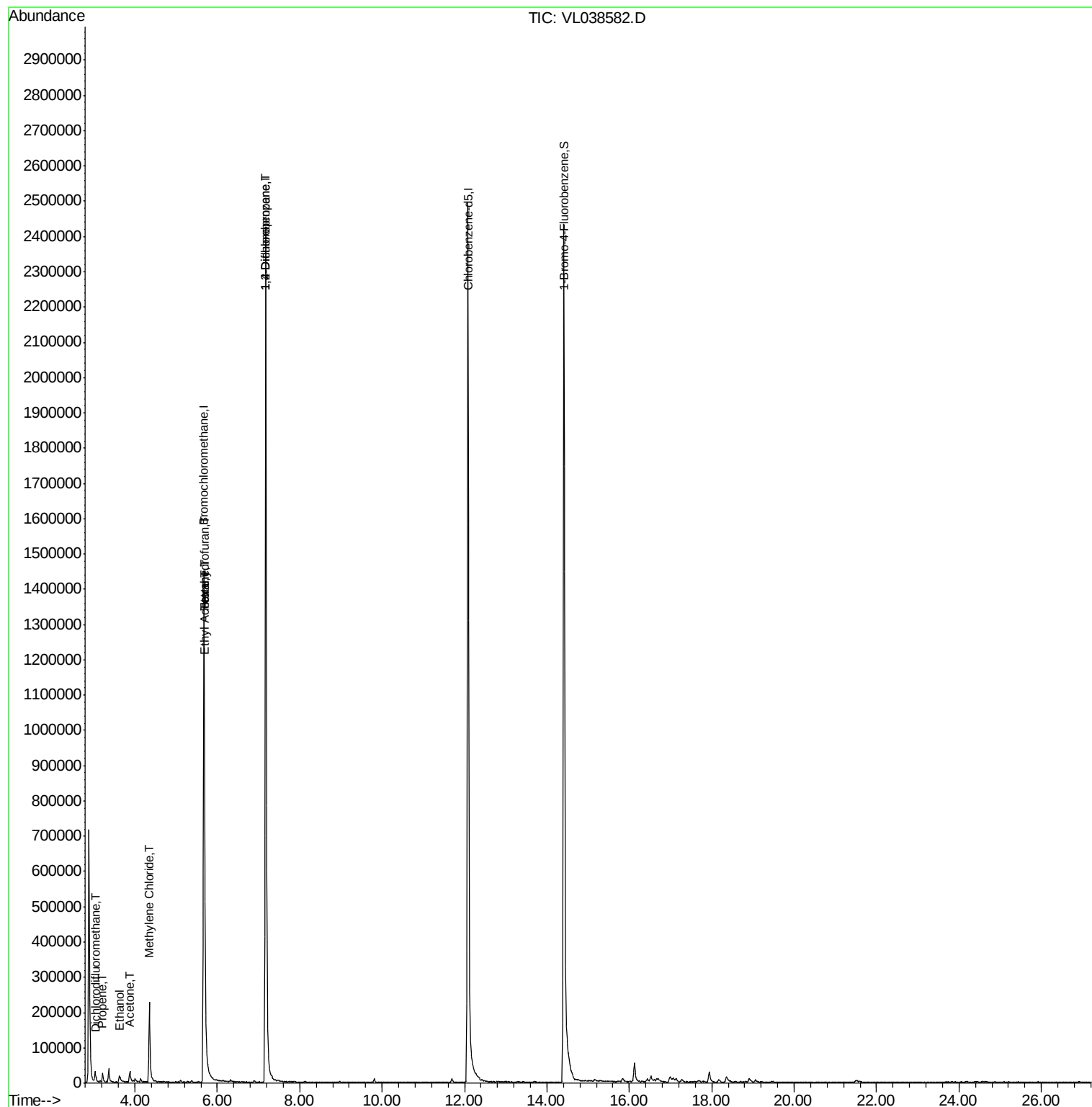
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	6199	0.05	ppbv #	87
9) Propene	3.21	41	8581	0.17	ppbv	89
13) Ethanol	3.62	45	8237	1.40	ppbv #	1
15) Acetone	3.88	43	21890	0.38	ppbv #	67
20) Methylene Chloride	4.35	84	104821	3.00	ppbv	98
25) Ethyl Acetate	5.69	43	76132	0.39	ppbv #	77
26) Hexane	5.69	57	103279	1.12	ppbv #	42
39) 1,2-Dichloropropane	7.17	63	502047	6.75	ppbv #	26
41) Tetrahydrofuran	5.69	42	42568	0.94	ppbv #	49

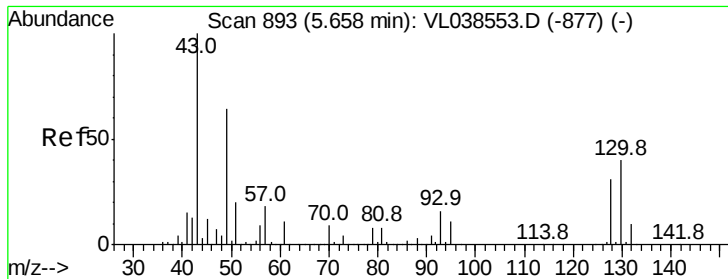
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
QLast Update : Tue Mar 08 21:18:44 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 9 Mar 2022 19:02

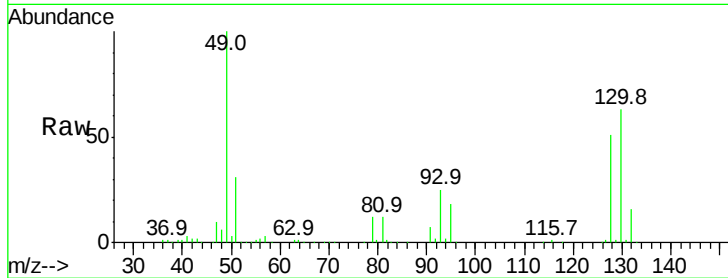
Tgt Ion: 49 Resp: 824424

Ion Ratio Lower Upper

49 100

128 54.9 26.4 79.2

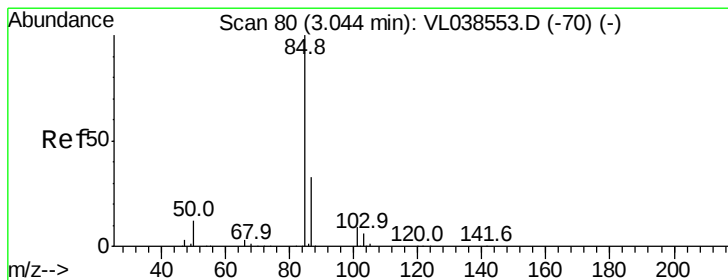
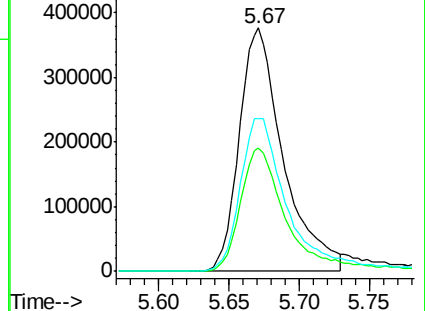
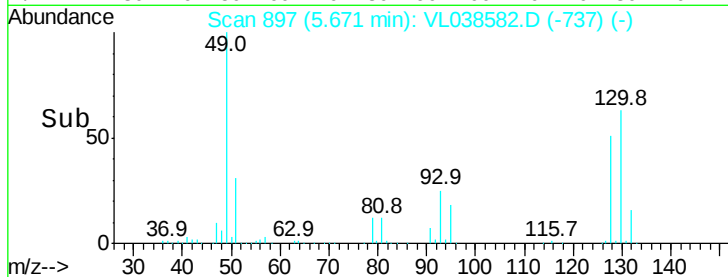
130 71.0 33.0 98.9



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



#2

Dichlorodifluoromethane

Concen: 0.05 ppbv

RT: 3.06 min Scan# 85

Delta R.T. 0.02 min

Lab File: VL038582.D

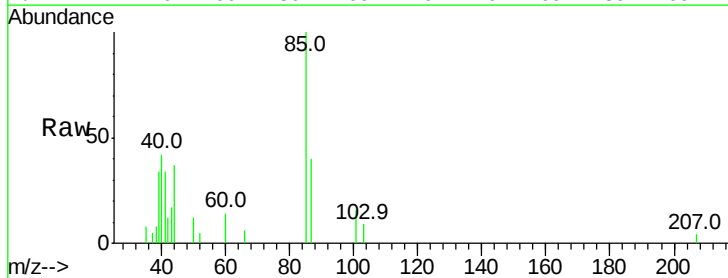
Acq: 9 Mar 2022 19:02

Tgt Ion: 85 Resp: 6199

Ion Ratio Lower Upper

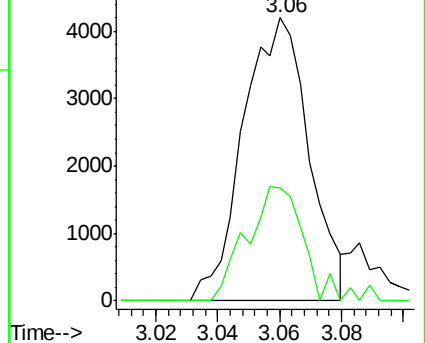
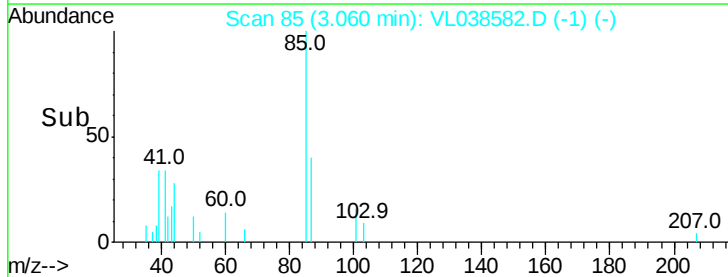
85 100

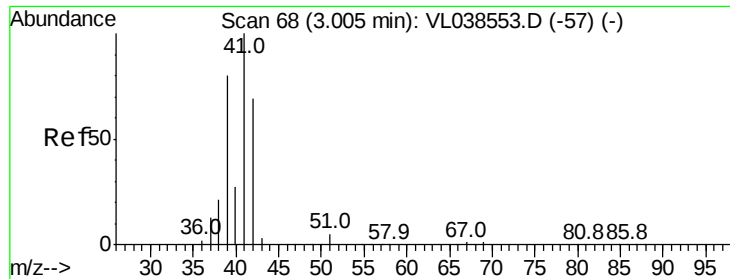
87 40.1 26.2 39.2#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#9

Propene

Concen: 0.17 ppbv

RT: 3.21 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

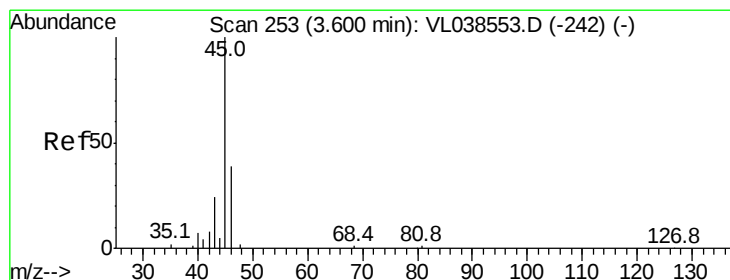
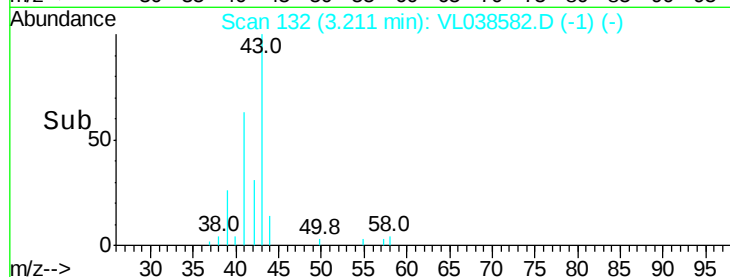
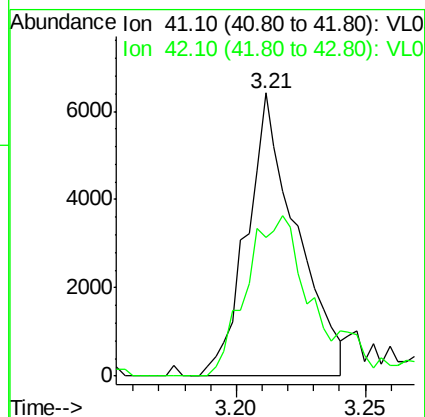
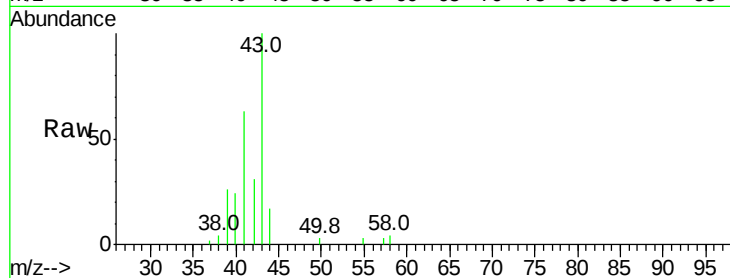
Acq: 9 Mar 2022 19:02

Tgt Ion: 41 Resp: 8581

Ion Ratio Lower Upper

41 100

42 78.3 55.7 83.5



#13

Ethanol

Concen: 1.40 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.02 min

Lab File: VL038582.D

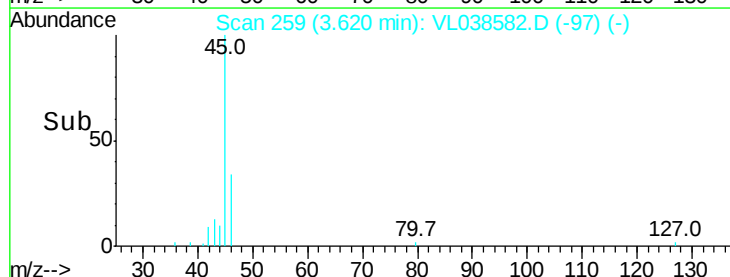
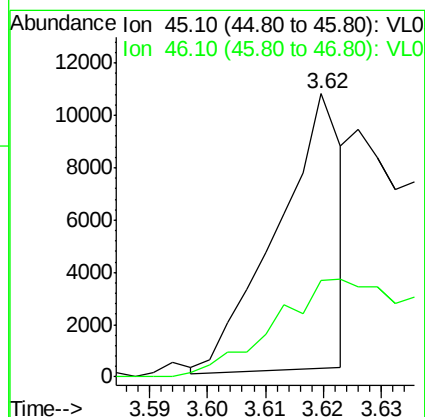
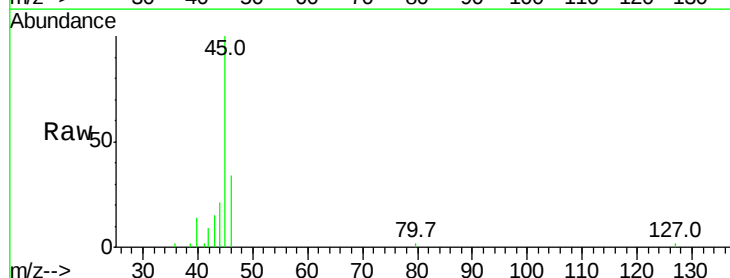
Acq: 9 Mar 2022 19:02

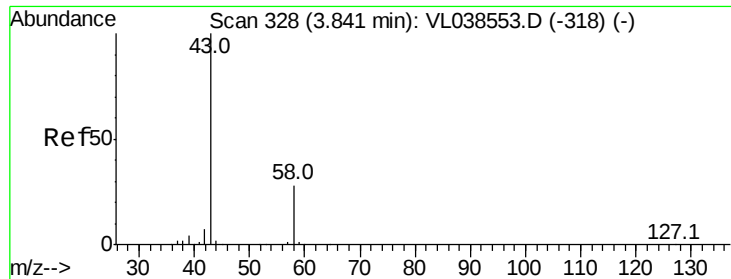
Tgt Ion: 45 Resp: 8237

Ion Ratio Lower Upper

45 100

46 126.1 16.8 67.0#





#15

Acetone

Concen: 0.38 ppbv

RT: 3.88 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

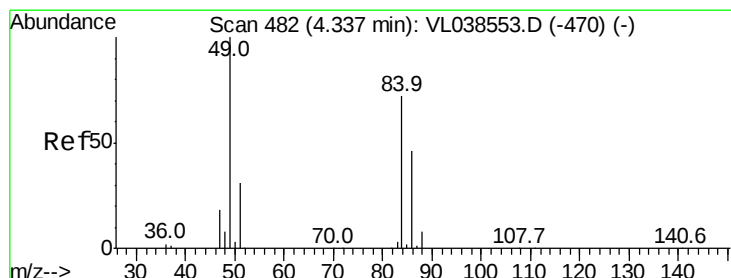
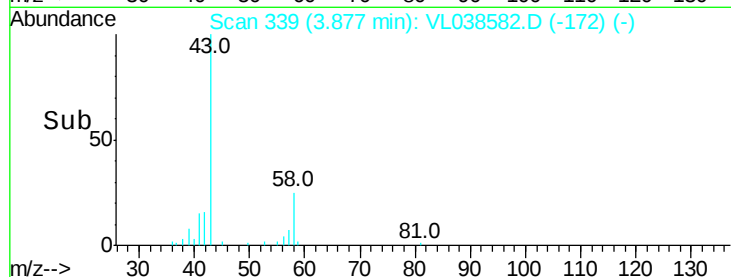
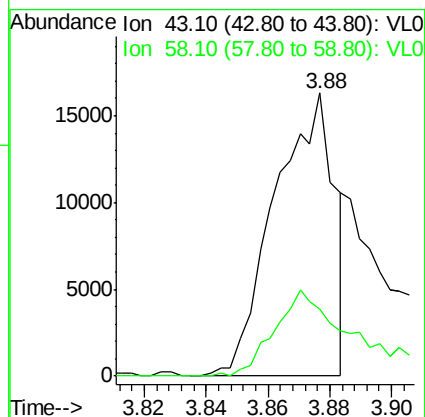
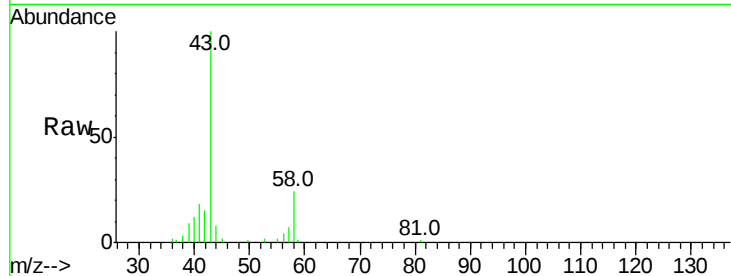
Acq: 9 Mar 2022 19:02

Tgt Ion: 43 Resp: 21890

Ion Ratio Lower Upper

43 100

58 45.7 22.7 34.1#



#20

Methylene Chloride

Concen: 3.00 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.01 min

Lab File: VL038582.D

Acq: 9 Mar 2022 19:02

Tgt Ion: 84 Resp: 104821

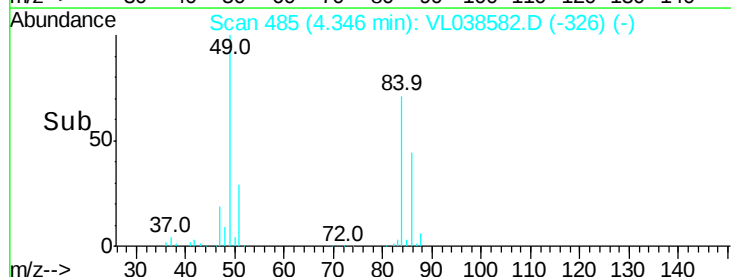
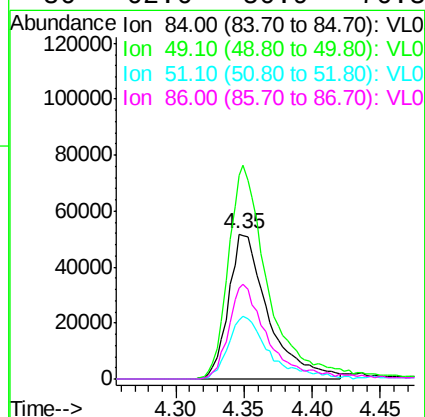
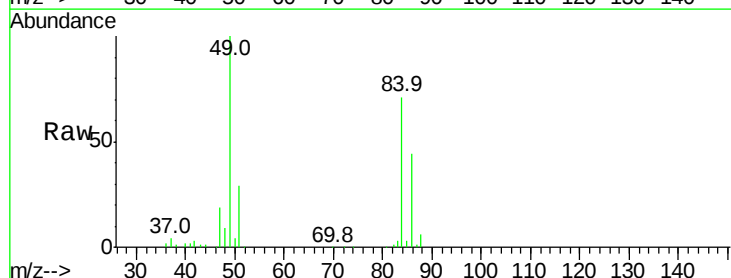
Ion Ratio Lower Upper

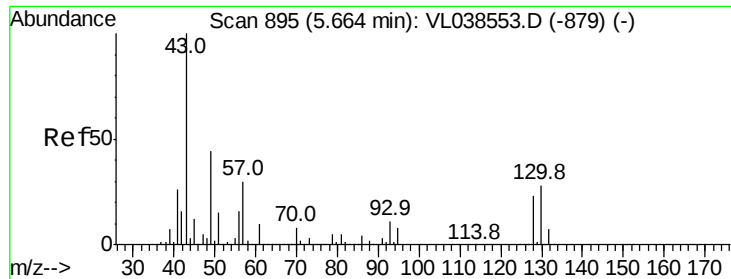
84 100

49 140.9 111.1 166.7

51 41.0 34.0 51.0

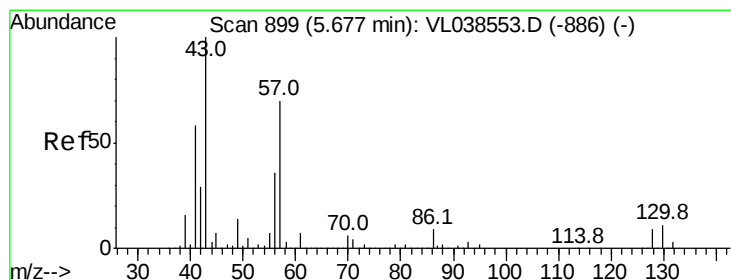
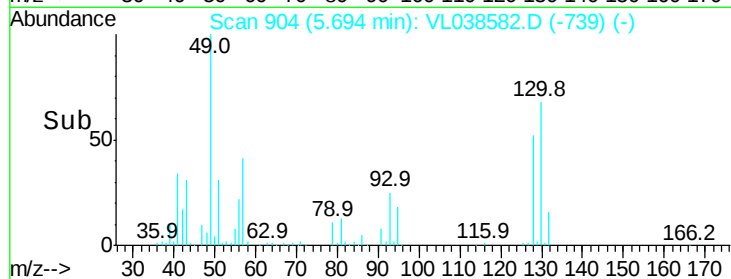
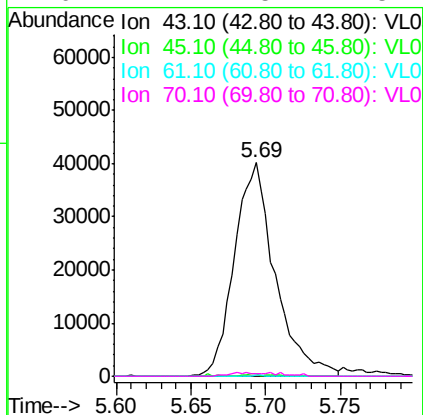
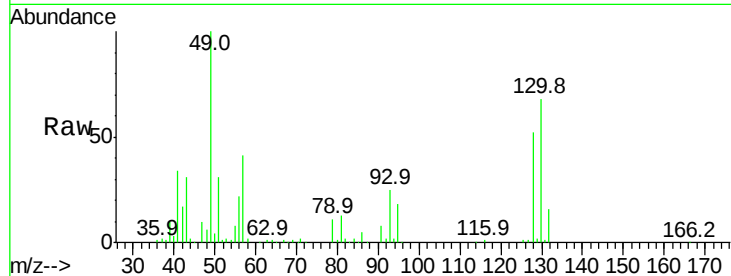
86 62.6 50.9 76.3





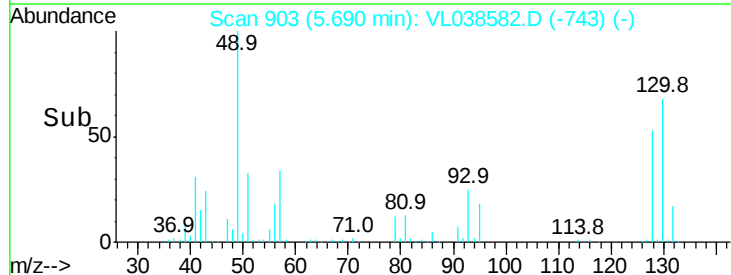
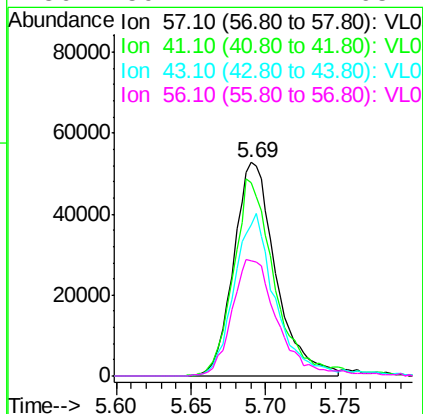
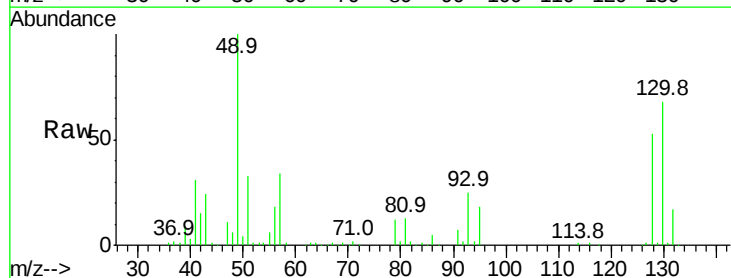
#25
Ethyl Acetate
Concen: 0.39 ppbv
RT: 5.69 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 9 Mar 2022 19:02

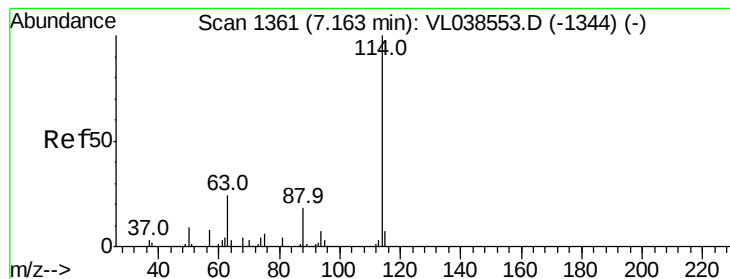
Tgt Ion:	43	Resp:	76132
Ion	Ratio	Lower	Upper
43	100		
45	0.6	8.0	12.0#
61	0.1	8.2	12.4#
70	2.1	5.4	8.2#



#26
Hexane
Concen: 1.12 ppbv
RT: 5.69 min Scan# 903
Delta R.T.: 0.01 min
Lab File: VL038582.D
Acq: 9 Mar 2022 19:02

Tgt Ion:	57	Resp:	103279
Ion	Ratio	Lower	Upper
57	100		
41	92.5	67.8	101.6
43	76.0	173.6	260.4#
56	59.7	42.2	63.2





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.18 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 19:02

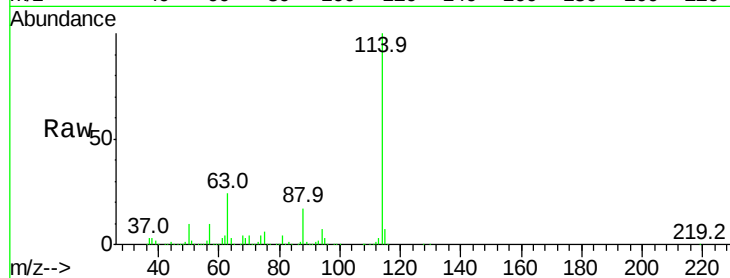
Tgt Ion: 114 Resp: 2143741

Ion Ratio Lower Upper

114 100

63 24.0 19.6 29.4

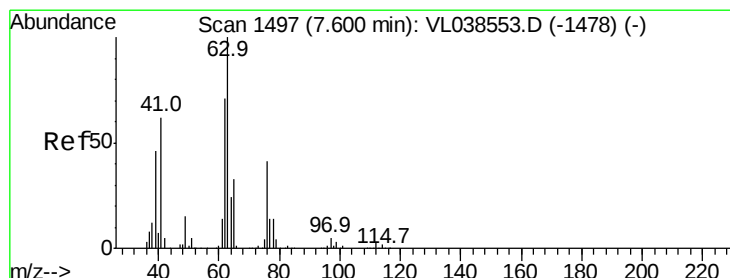
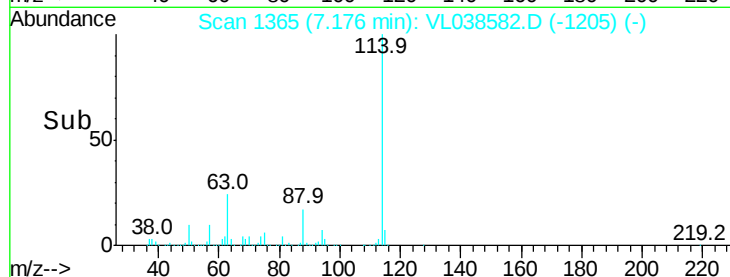
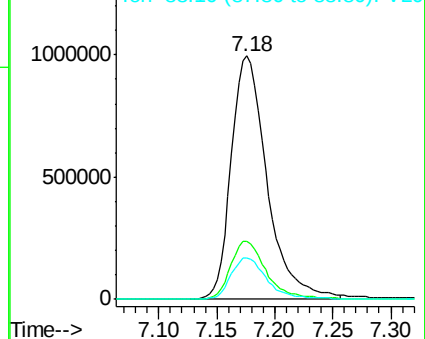
88 17.4 13.9 20.9



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#39

1,2-Dichloropropane

Concen: 6.75 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.43 min

Lab File: VL038582.D

Acq: 9 Mar 2022 19:02

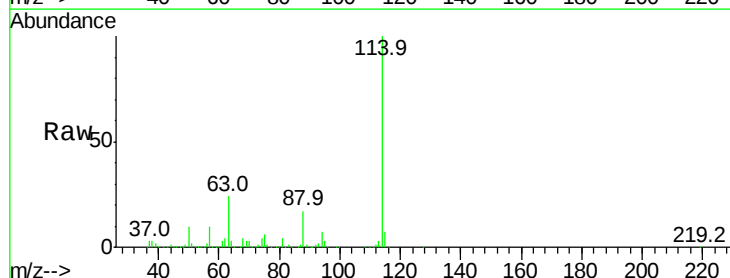
Tgt Ion: 63 Resp: 502047

Ion Ratio Lower Upper

63 100

41 0.0 49.8 74.6#

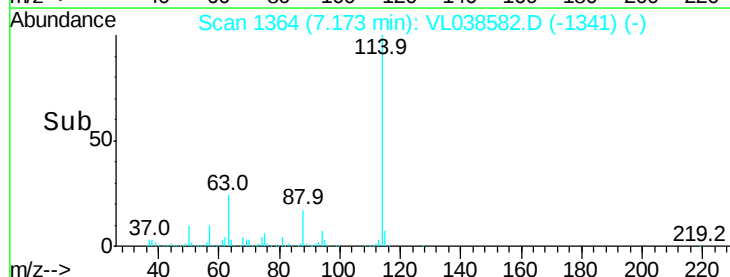
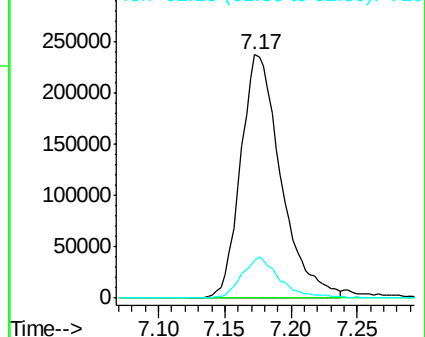
62 15.3 56.7 85.1#

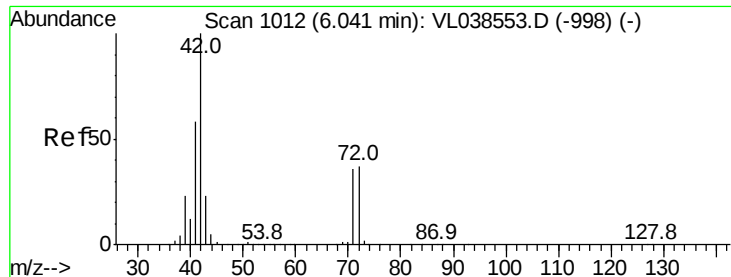


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

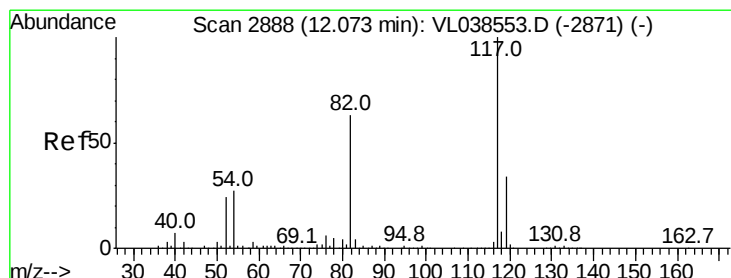
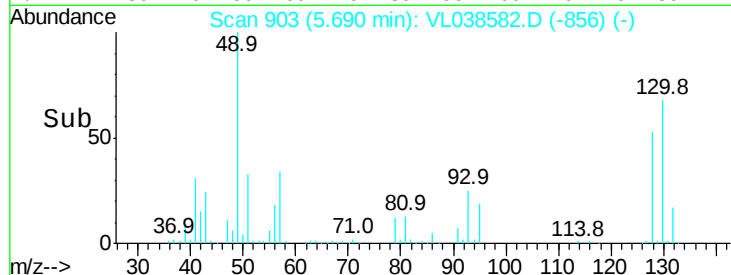
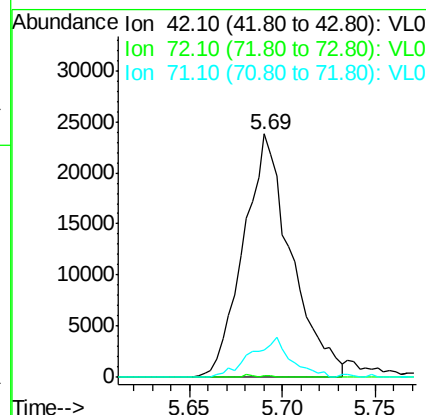
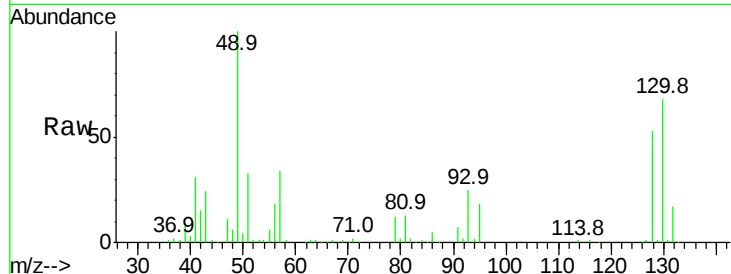
Ion 62.10 (61.80 to 62.80): VL0





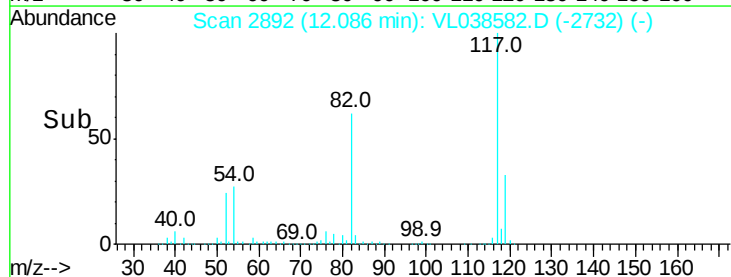
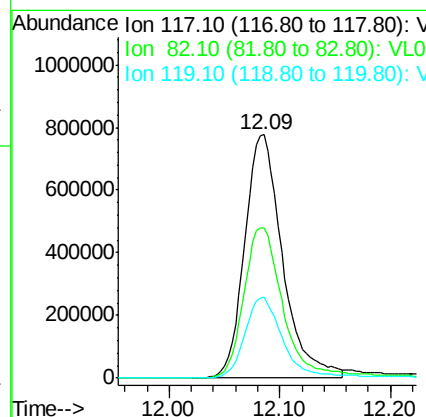
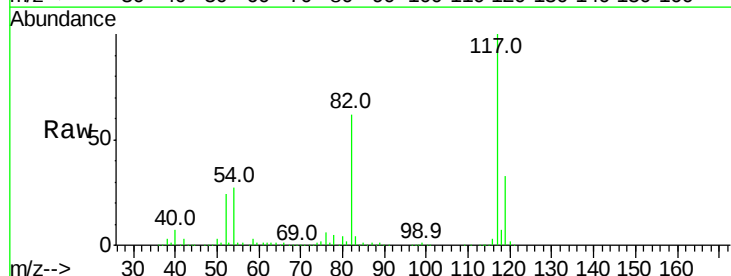
#41
Tetrahydrofuran
Concen: 0.94 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 9 Mar 2022 19:02

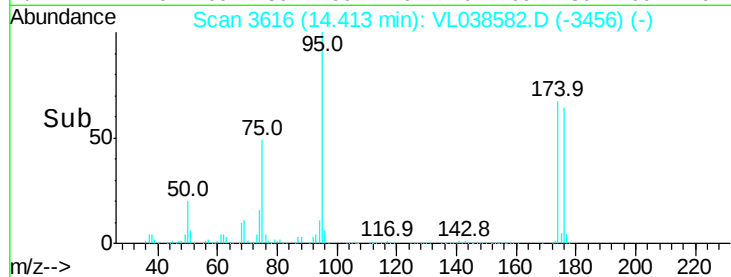
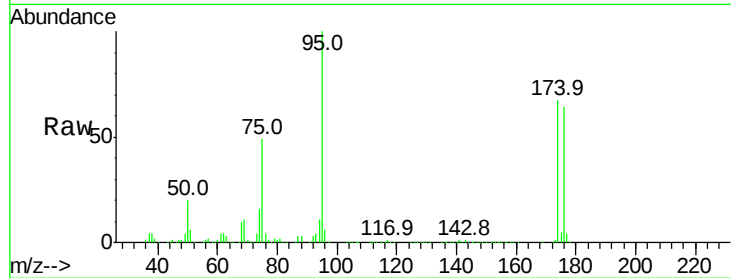
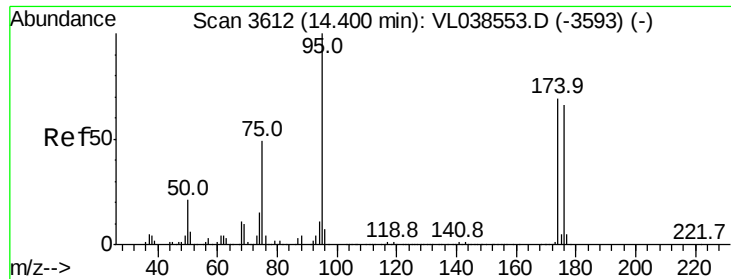
Tgt Ion	Ratio	Lower	Upper
42	100		
72	0.0	30.9	46.3#
71	14.3	29.1	43.7#



#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.09 min Scan# 2892
Delta R.T.: 0.01 min
Lab File: VL038582.D
Acq: 9 Mar 2022 19:02

Tgt Ion	Ratio	Lower	Upper
117	100		
82	66.6	52.5	78.7
119	33.6	46.4	69.6#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.59 ppbv

RT: 14.41

Delta R.T: MSVOA_L

Lab File: ClientSampleId :

Acq: 9 Mar 2022 19:02

Tgt Ion: 95 Resp: 1348094

Ion Ratio Lower Upper

95 100

174 74.3 56.2 84.4

175 5.3 4.2 6.2

