

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL021422\
 Data File : VL038347.D
 Acq On : 14 Feb 2022 19:26
 Operator : SY/AP
 Sample : N1442-02 40X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Quant Time: Feb 15 00:40:37 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL012422AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 24 14:12:48 2022
 QLast Update : Mon Jan 24 14:12:48 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	765530	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	1979487	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	1664913	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1335195	10.57	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.70%

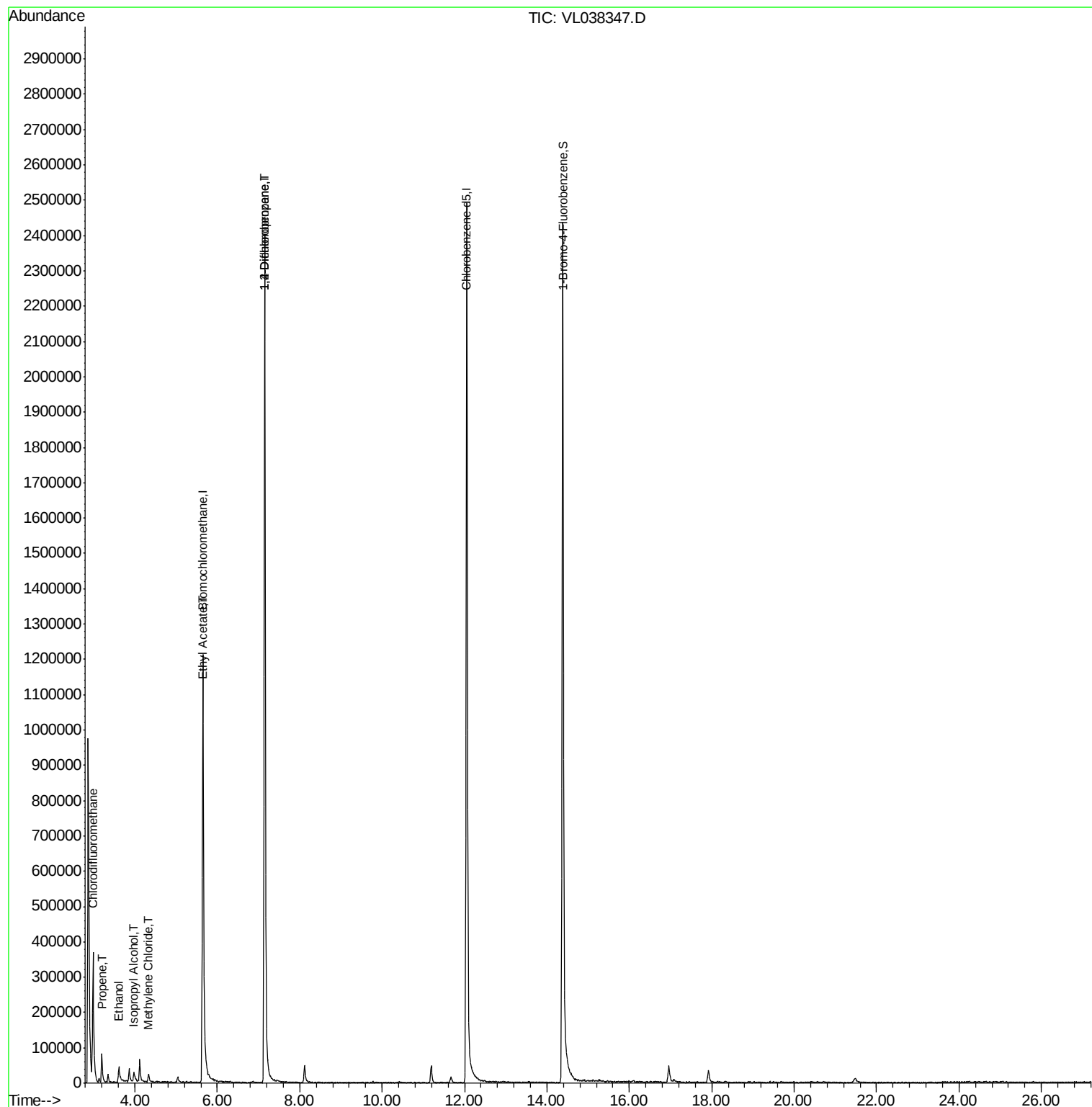
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.98	51	459707	3.02	ppbv	98
9) Propene	3.19	41	29543	0.60	ppbv	95
13) Ethanol	3.61	45	59272	11.13	ppbv	92
19) Isopropyl Alcohol	3.97	45	14994	0.36	ppbv #	62
20) Methylene Chloride	4.33	84	5438	0.14	ppbv #	73
25) Ethyl Acetate	5.66	43	7760	0.04	ppbv #	65
39) 1,2-Dichloropropane	7.15	63	538453	7.59	ppbv #	25

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

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA1DL

Acq: 14 Feb 2022 19:26

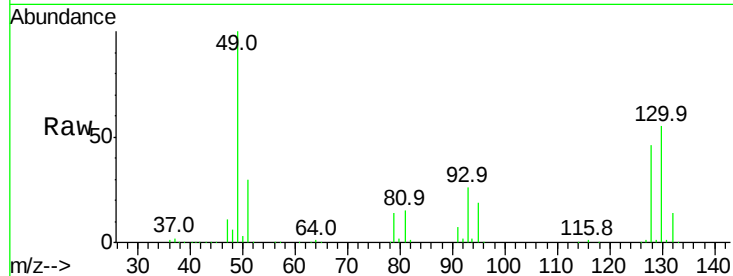
Tgt Ion: 49 Resp: 765530

Ion Ratio Lower Upper

49 100

128 46.8 24.5 73.5

130 59.3 30.1 90.5

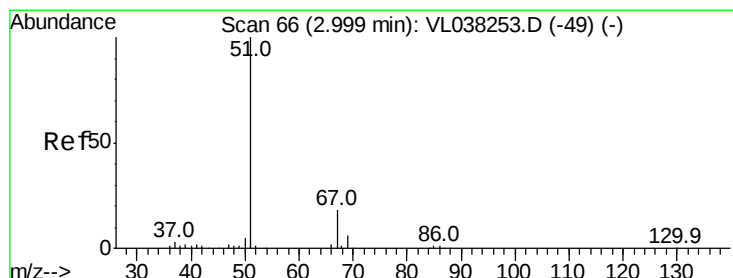
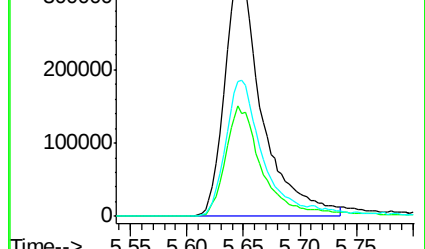
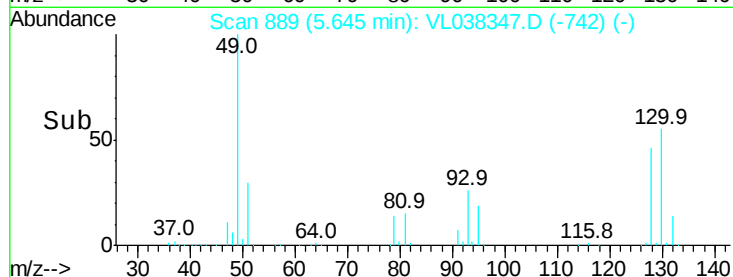


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

Time-->



#3

Chlorodifluoromethane

Concen: 3.02 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.02 min

Lab File: VL038347.D

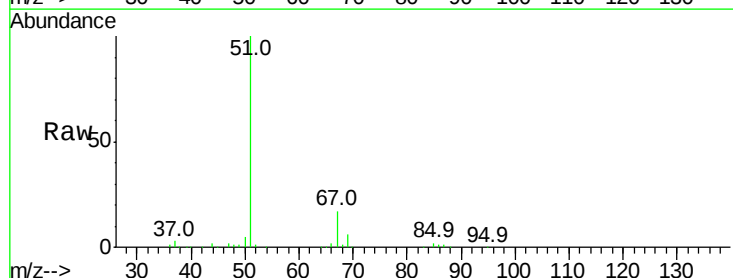
Acq: 14 Feb 2022 19:26

Tgt Ion: 51 Resp: 459707

Ion Ratio Lower Upper

51 100

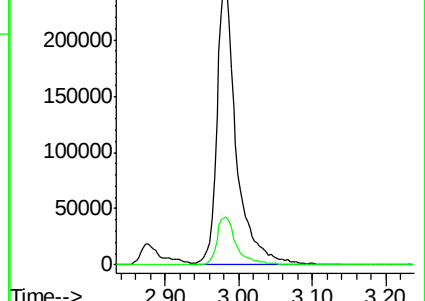
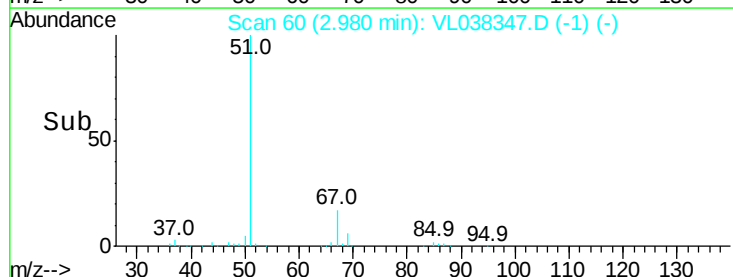
67 17.2 14.4 21.6

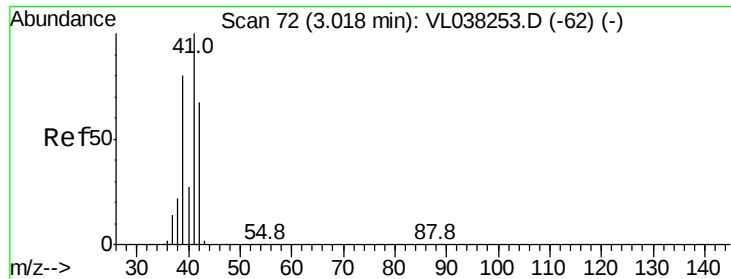


Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

Time-->





#9

Propene

Concen: 0.60 ppbv

RT: 3.19 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA1DL

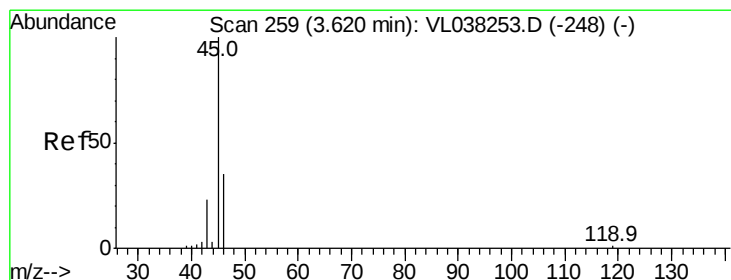
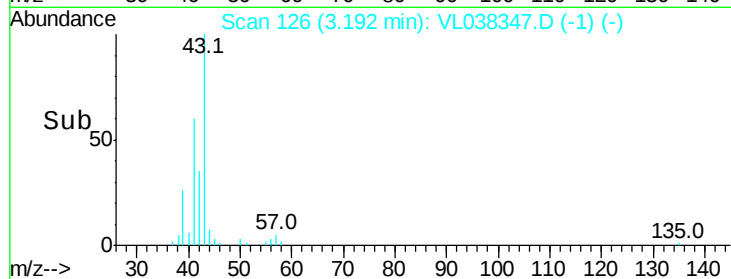
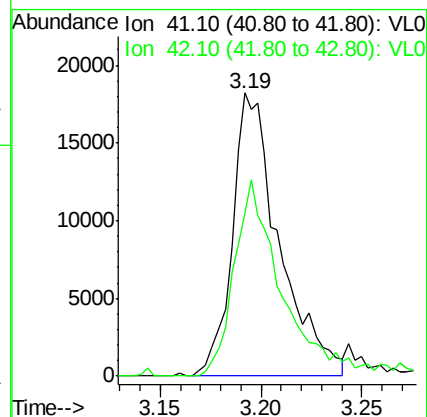
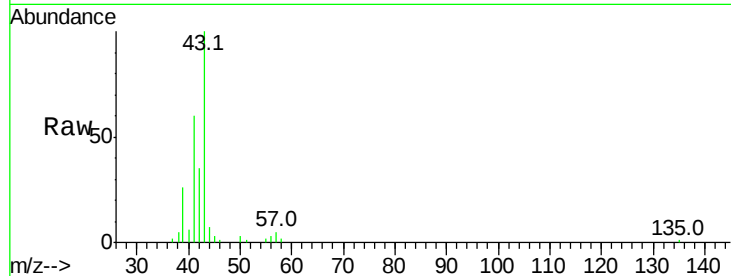
Acq: 14 Feb 2022 19:26

Tgt Ion: 41 Resp: 29543

Ion Ratio Lower Upper

41 100

42 72.8 54.9 82.3



#13

Ethanol

Concen: 11.13 ppbv

RT: 3.61 min Scan# 256

Delta R.T. -0.01 min

Lab File: VL038347.D

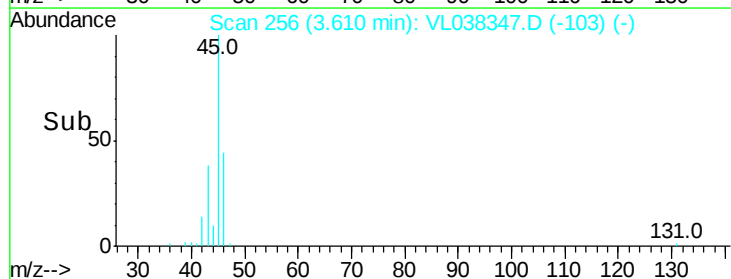
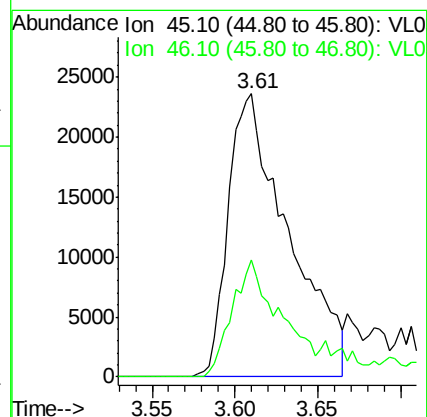
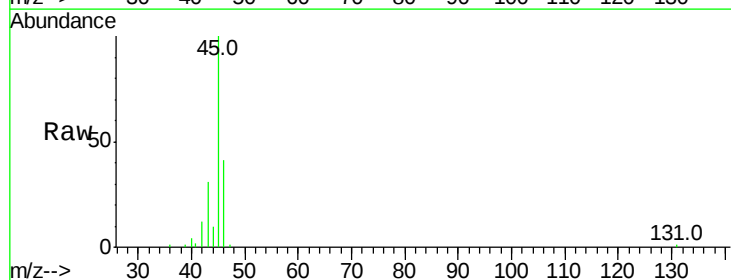
Acq: 14 Feb 2022 19:26

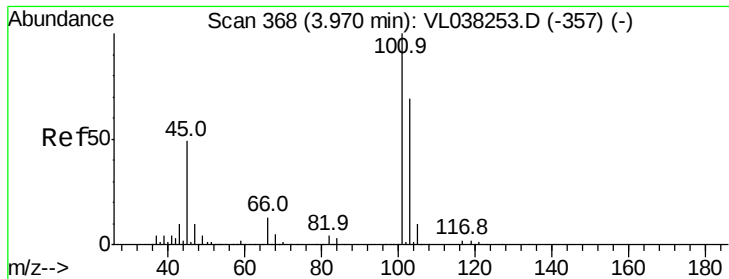
Tgt Ion: 45 Resp: 59272

Ion Ratio Lower Upper

45 100

46 43.2 15.4 61.6





#19

Isopropyl Alcohol

Concen: 0.36 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

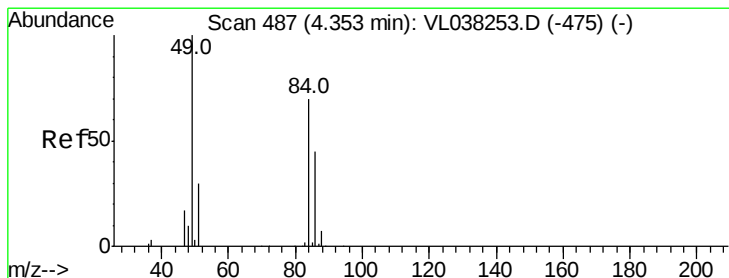
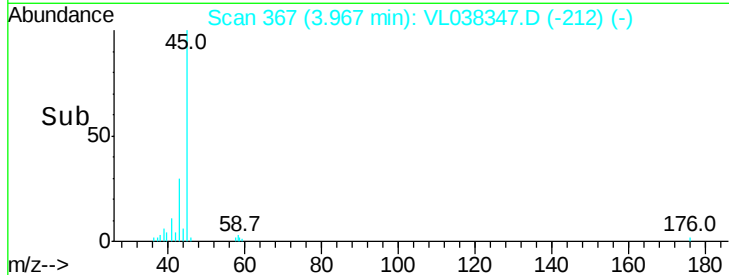
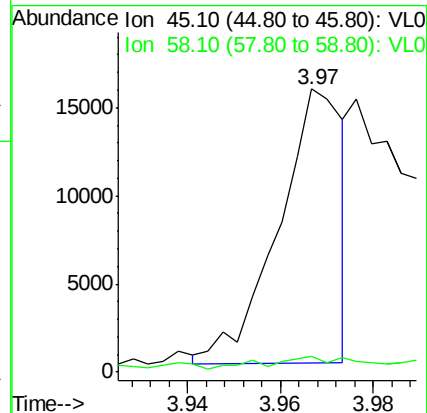
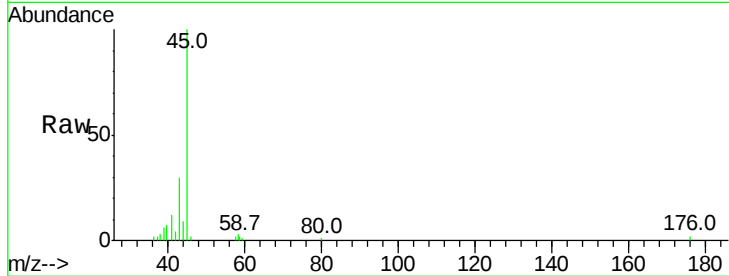
Acq: 14 Feb 2022 19:26

Tgt Ion: 45 Resp: 14994

Ion Ratio Lower Upper

45 100

58 15.5 2.3 3.5#



#20

Methylene Chloride

Concen: 0.14 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.02 min

Lab File: VL038347.D

Acq: 14 Feb 2022 19:26

Tgt Ion: 84 Resp: 5438

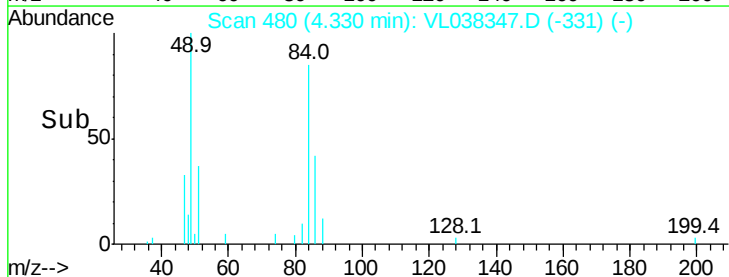
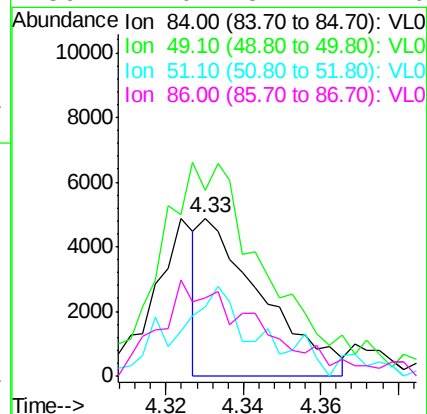
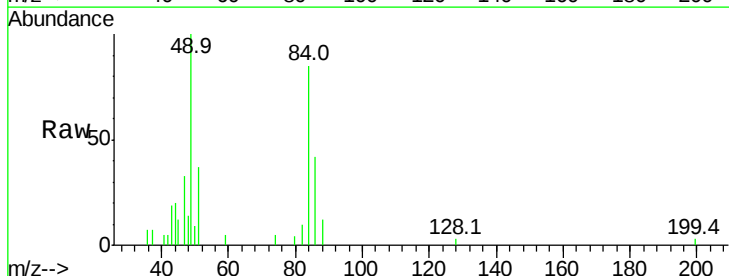
Ion Ratio Lower Upper

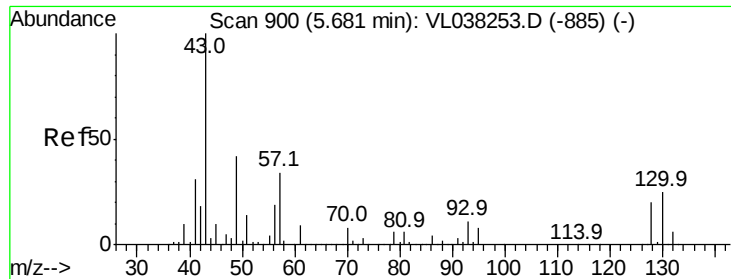
84 100

49 104.1 115.0 172.6#

51 34.7 35.0 52.6#

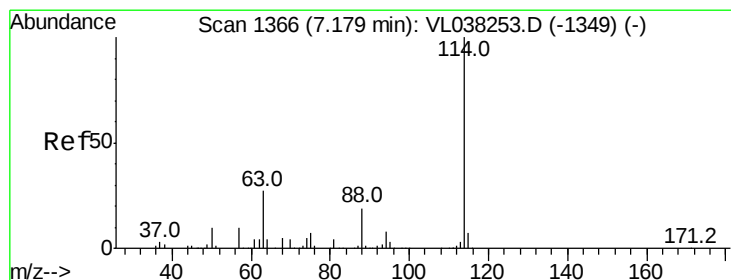
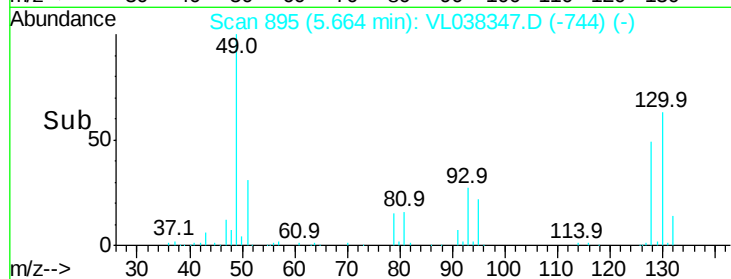
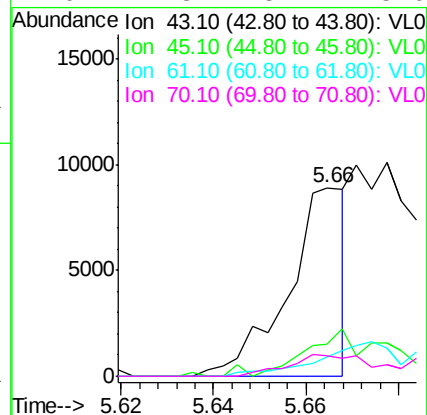
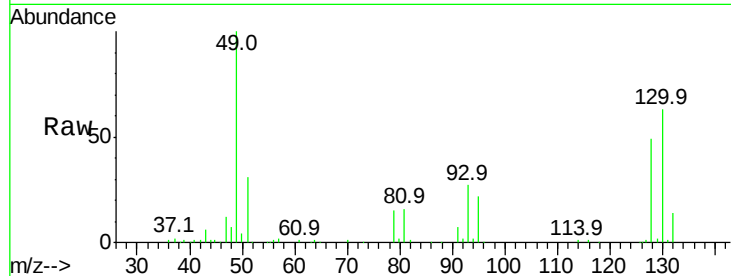
86 44.0 51.4 77.0#





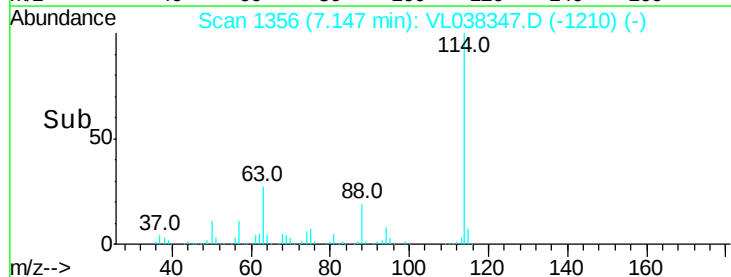
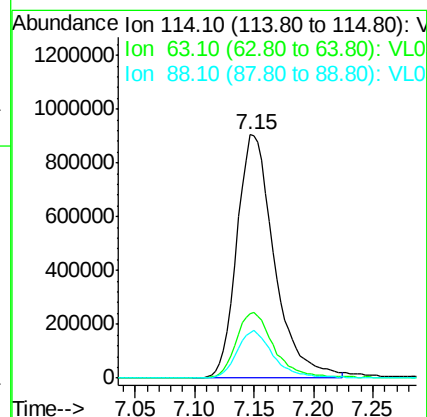
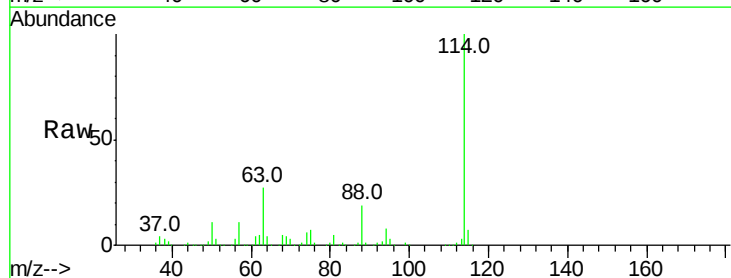
#25
 Ethyl Acetate
 Concen: 0.04 ppbv
 RT: 5.66
 Delta R.T. MSVOA_1
 Lab File: ClientSampleId :
 Acq: 14 Feb 2022 19:26

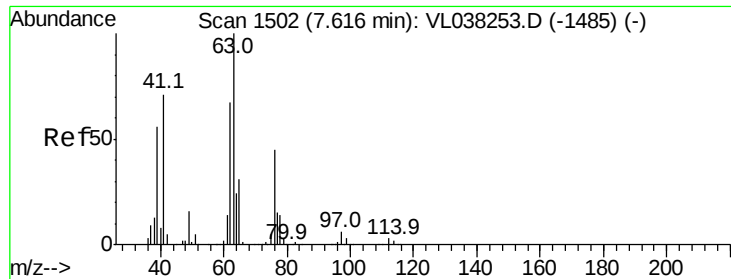
Tgt Ion:	43	Resp:	7760
Ion Ratio	Lower	Upper	
43	100		
45	0.0	7.9	11.9#
61	0.0	7.8	11.8#
70	27.3	5.4	8.0#



#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.03 min
 Lab File: VL038347.D
 Acq: 14 Feb 2022 19:26

Tgt Ion:	114	Resp:	1979487
Ion Ratio	Lower	Upper	
114	100		
63	28.2	22.0	33.0
88	19.2	15.0	22.6





#39

1,2-Dichloropropane

Concen: 7.59 ppbv

RT: 7.15 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Feb 2022 19:26

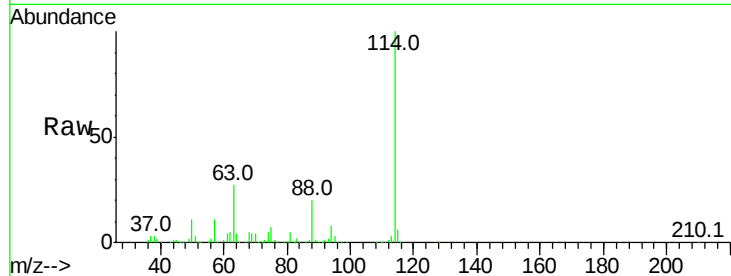
Tgt Ion: 63 Resp: 538453

Ion Ratio Lower Upper

63 100

41 0.0 56.6 85.0#

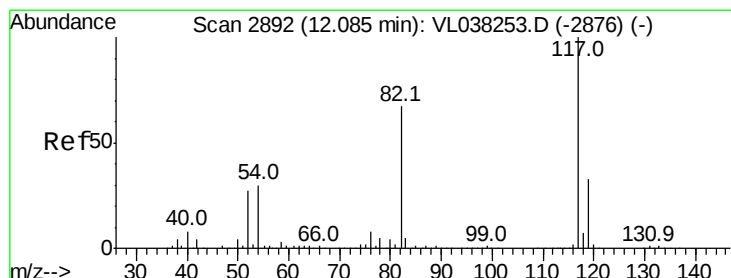
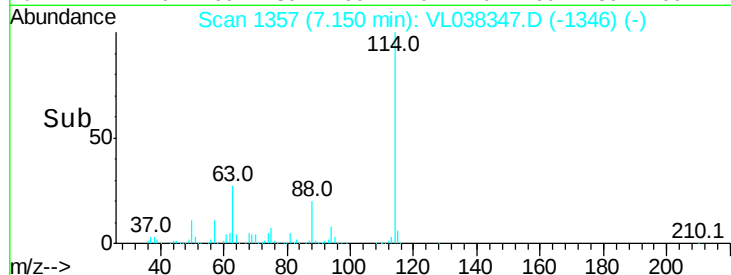
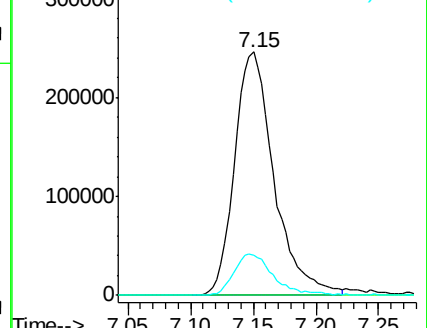
62 16.7 53.9 80.9#



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



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.06 min Scan# 2883

Delta R.T. -0.03 min

Lab File: VL038347.D

Acq: 14 Feb 2022 19:26

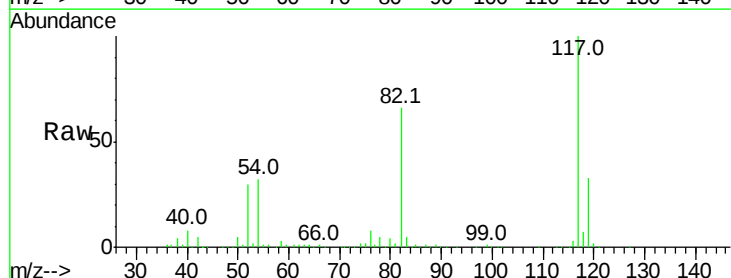
Tgt Ion: 117 Resp: 1664913

Ion Ratio Lower Upper

117 100

82 73.0 54.4 81.6

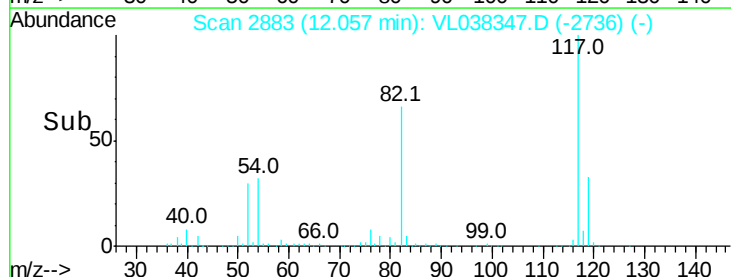
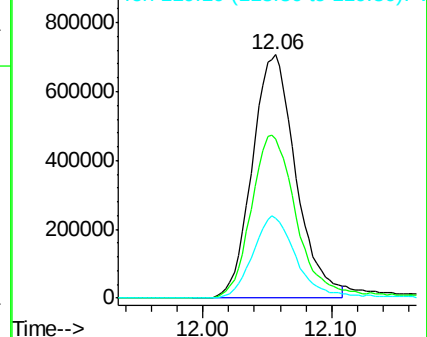
119 34.8 45.9 68.9#

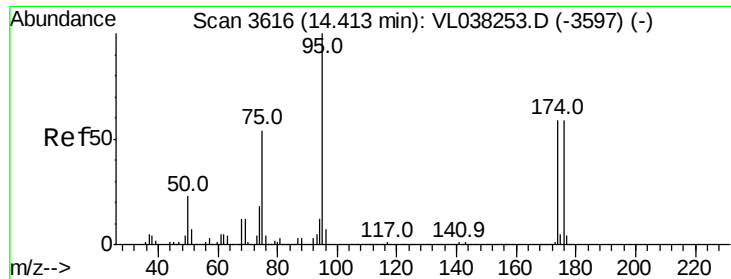


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.57 ppbv

RT: 14.38

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 14 Feb 2022 19:20

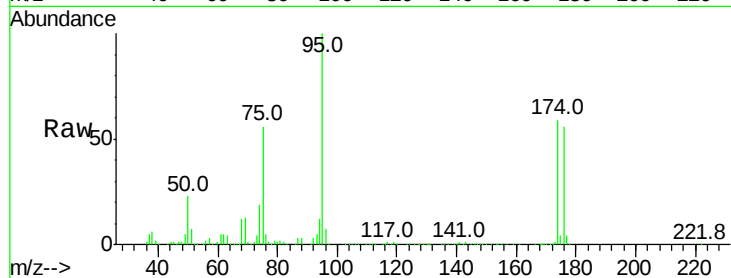
Tgt Ion: 95 Resp: 1335195

Ion Ratio Lower Upper

95 100

174 61.4 48.3 72.5

175 4.3 3.5 5.3



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

