

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL053122\
 Data File : VL039138.D
 Acq On : 31 May 2022 19:45
 Operator : SY/AP
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Quant Time: May 31 20:15:24 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL053122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 31 17:05:54 2022
 QLast Update : Tue May 31 17:05:54 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1263032	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3017571	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2591448	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2225873	10.85	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.50%

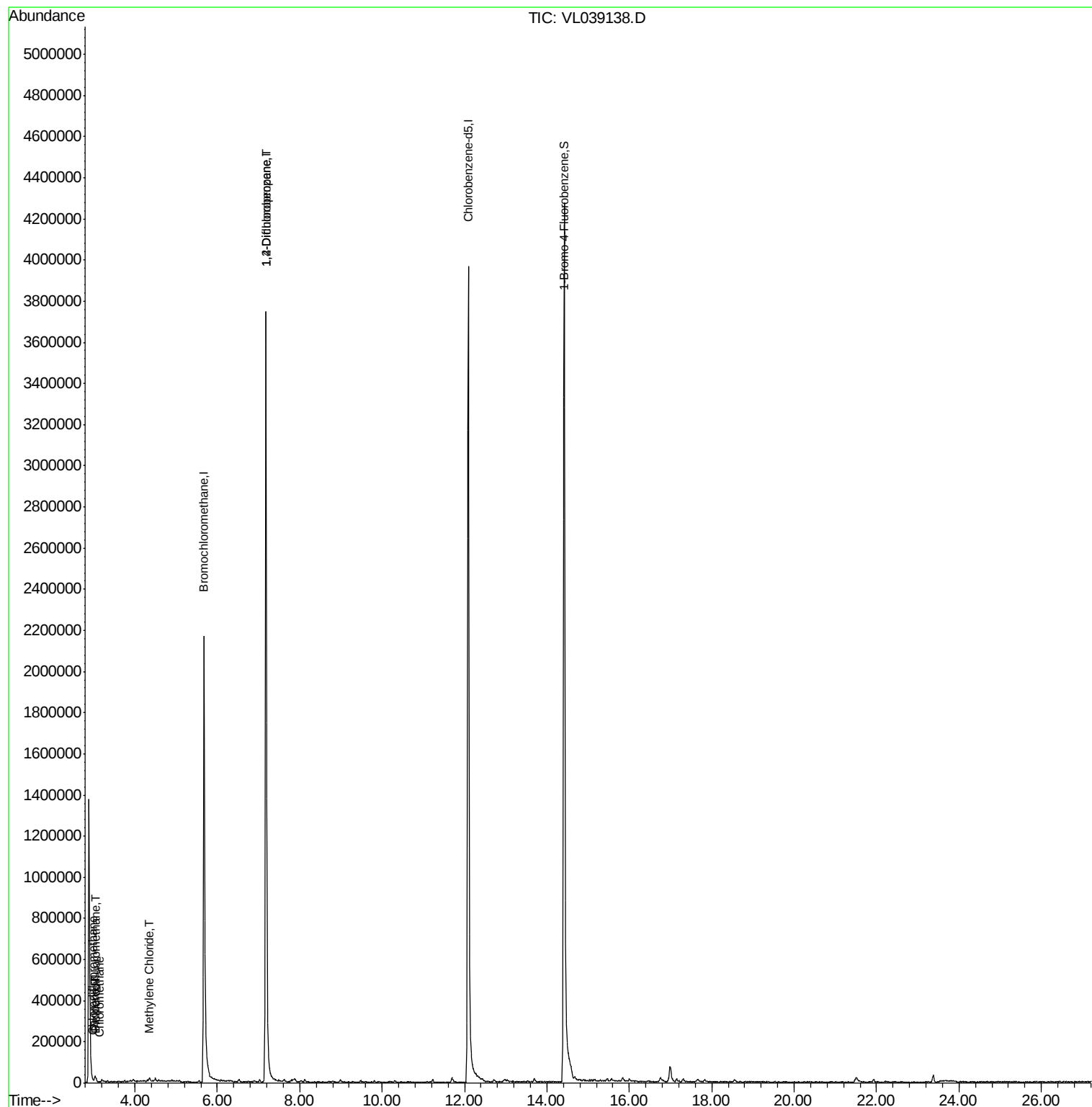
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.06	85	8126	0.04	ppbv #	79
3) Chlorodifluoromethane	3.00	51	4981	0.03	ppbv	93
4) Chloromethane	3.15	50	2576	0.03	ppbv #	73
9) Propene	3.03	41	7045	0.10	ppbv #	75
20) Methylene Chloride	4.36	84	4742	0.11	ppbv #	40
39) 1,2-Dichloropropane	7.18	63	814150	8.10	ppbv #	24

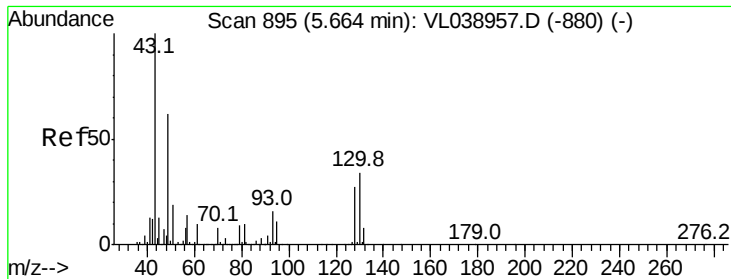
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 31 May 2022 19:45 VSTDIC0.03

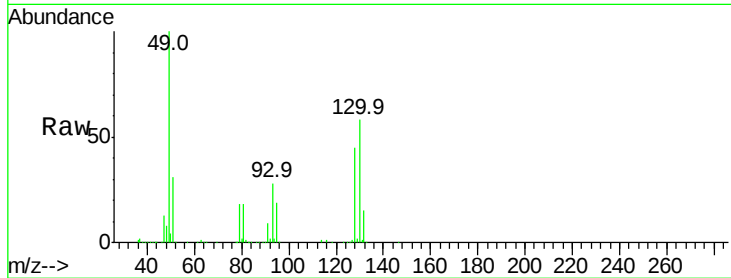
Tgt Ion: 49 Resp: 1263032

Ion Ratio Lower Upper

49 100

128 49.4 24.7 74.1

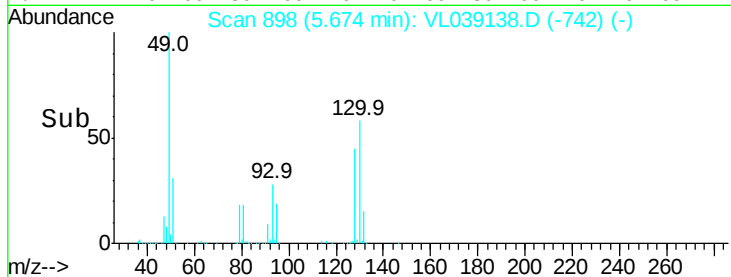
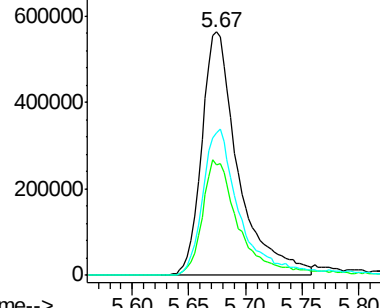
130 63.3 31.4 94.0



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: 0.04 ppbv

RT: 3.06 min Scan# 84

Delta R.T. -0.00 min

Lab File: VL039138.D

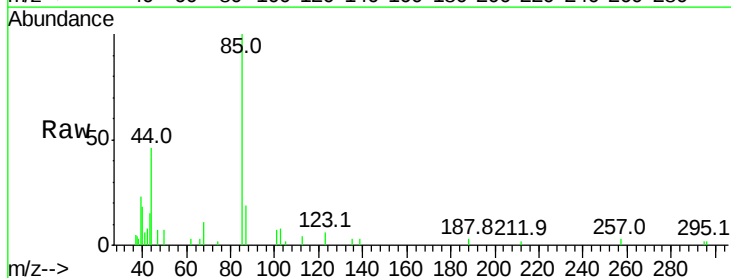
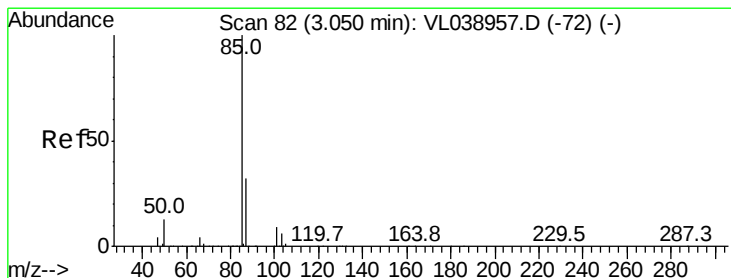
Acq: 31 May 2022 19:45

Tgt Ion: 85 Resp: 8126

Ion Ratio Lower Upper

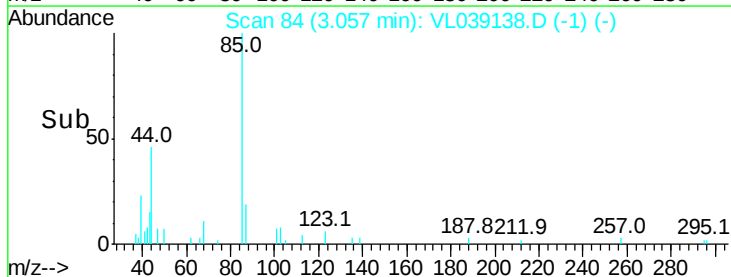
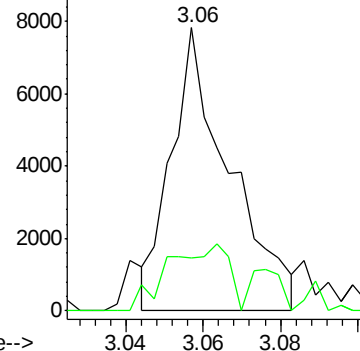
85 100

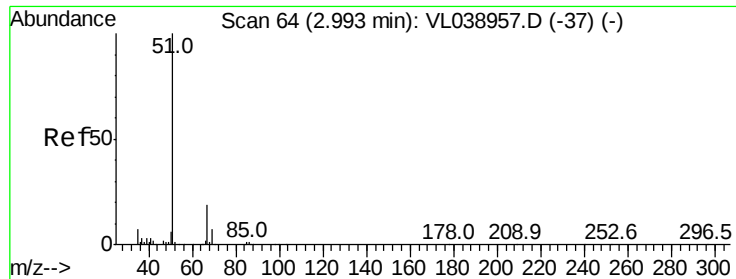
87 21.4 26.9 40.3#



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_L

Lab File: ClientSampleId:

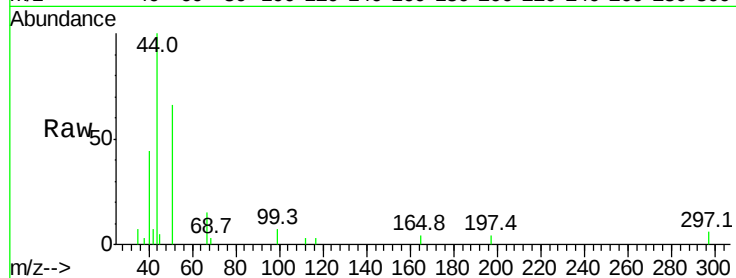
Acq: 31 May 2022 19:45 VSTDIC0.03

Tgt Ion: 51 Resp: 4981

Ion Ratio Lower Upper

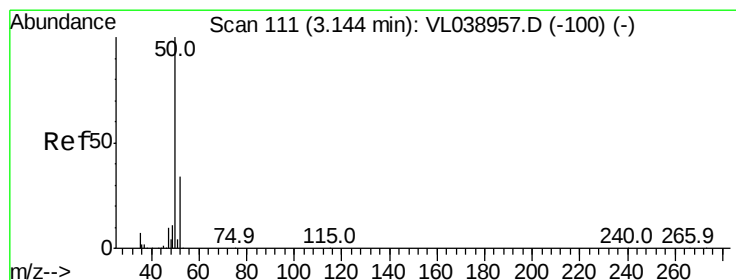
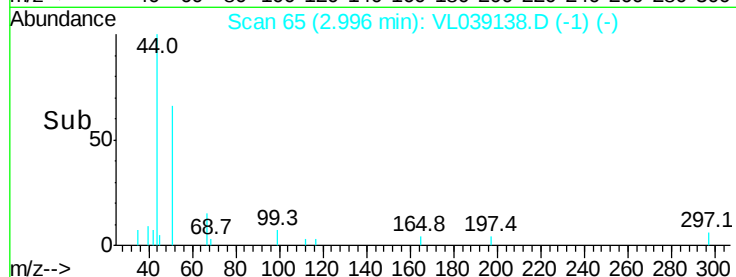
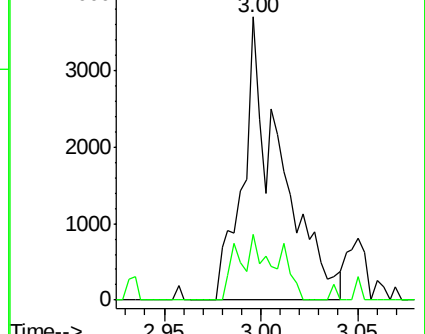
51 100

67 23.4 16.2 24.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.03 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.00 min

Lab File: VL039138.D

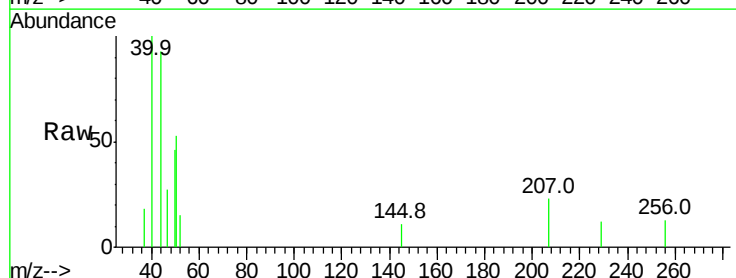
Acq: 31 May 2022 19:45

Tgt Ion: 50 Resp: 2576

Ion Ratio Lower Upper

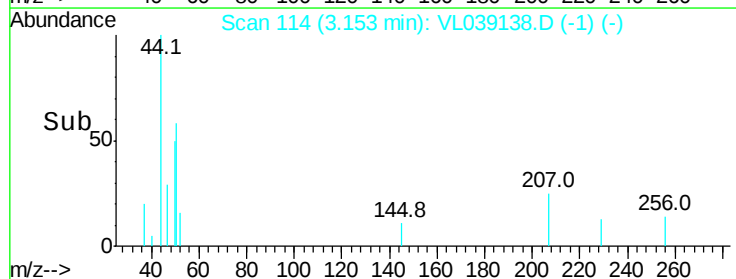
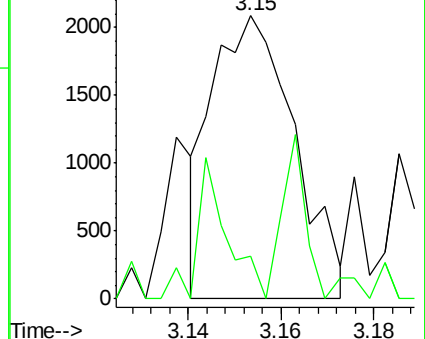
50 100

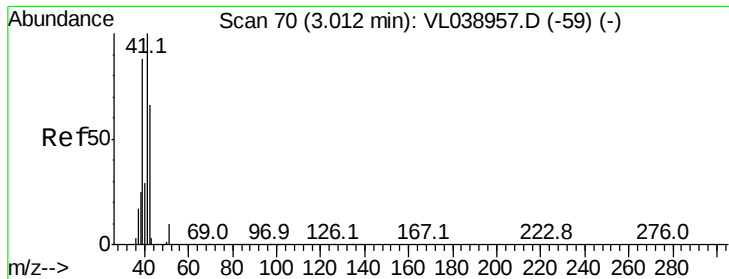
52 17.1 25.9 38.9#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.10 ppbv

RT: 3.03 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC0.03

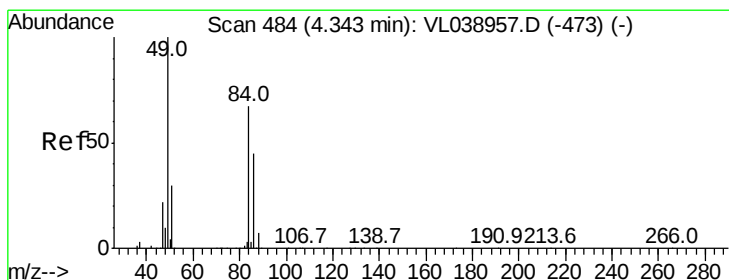
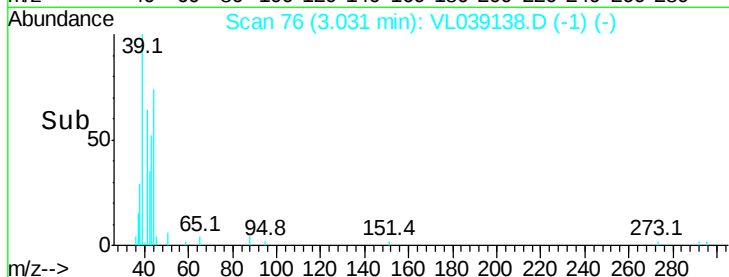
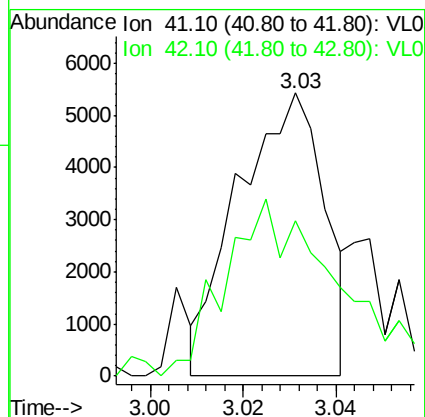
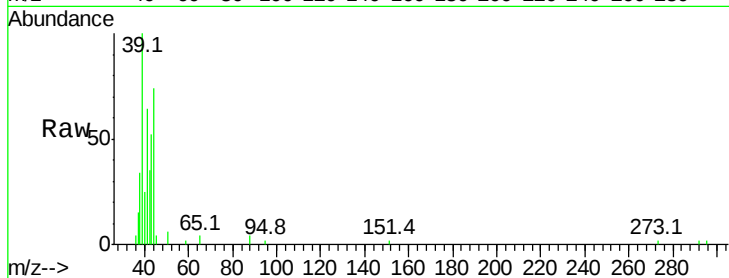
Acq: 31 May 2022 19:45

Tgt Ion: 41 Resp: 7045

Ion Ratio Lower Upper

41 100

42 89.3 55.4 83.2#



#20

Methylene Chloride

Concen: 0.11 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.00 min

Lab File: VL039138.D

Acq: 31 May 2022 19:45

Tgt Ion: 84 Resp: 4742

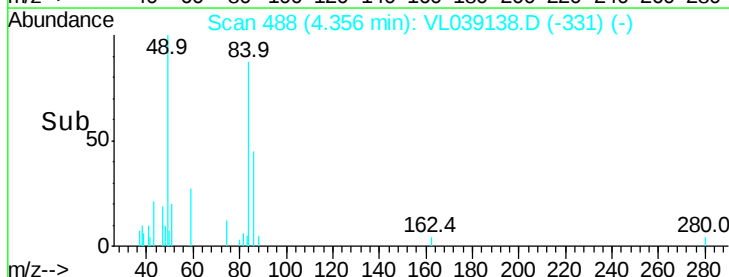
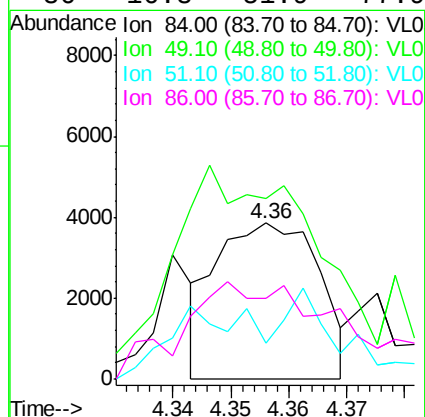
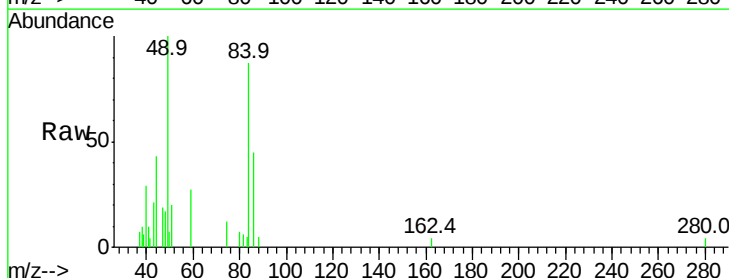
Ion Ratio Lower Upper

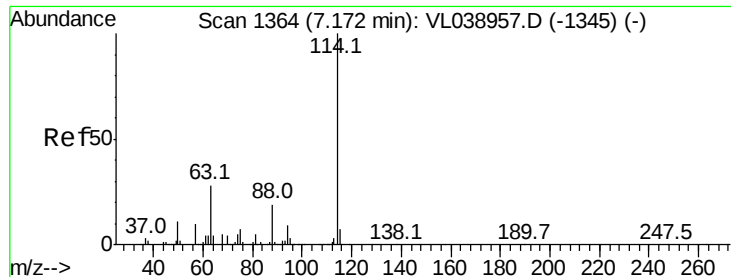
84 100

49 64.6 111.1 166.7#

51 9.7 35.3 52.9#

86 16.8 51.9 77.9#

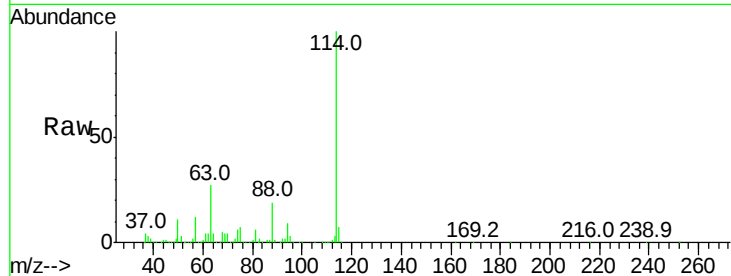




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.18
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 31 May 2022 19:45

Tgt Ion: 114 Resp: 3017571

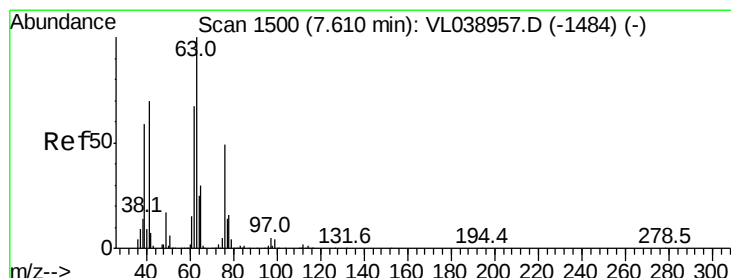
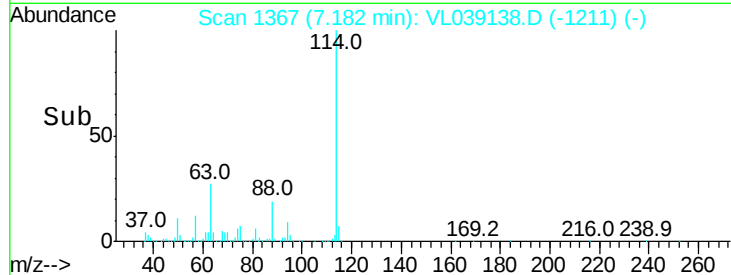
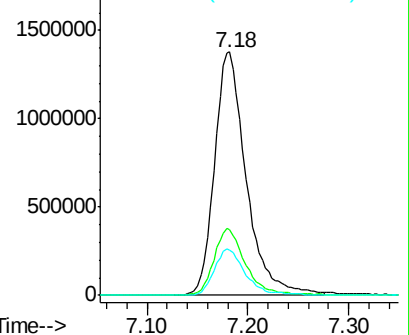
Ion	Ratio	Lower	Upper
114	100		
63	27.4	21.7	32.5
88	19.0	14.8	22.2



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

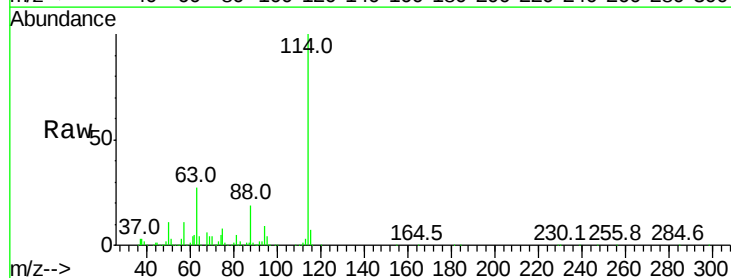
Ion 88.10 (87.80 to 88.80): VL0



#39
 1,2-Dichloropropane
 Concen: 8.10 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.44 min
 Lab File: VL039138.D
 Acq: 31 May 2022 19:45

Tgt Ion: 63 Resp: 814150

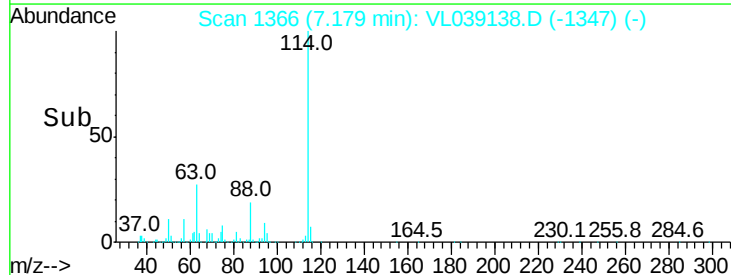
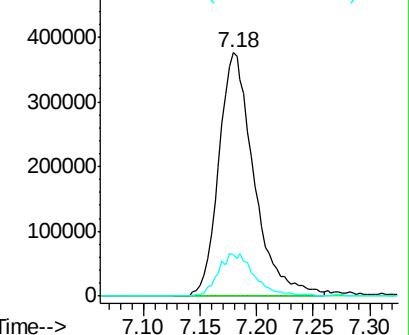
Ion	Ratio	Lower	Upper
63	100		
41	0.0	60.8	91.2#
62	17.1	52.9	79.3#

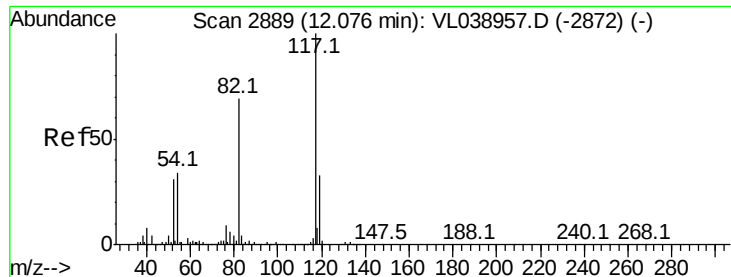


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

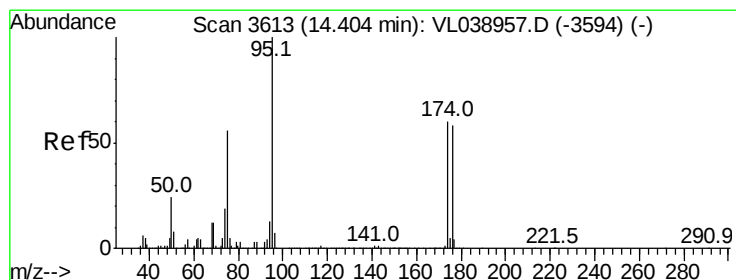
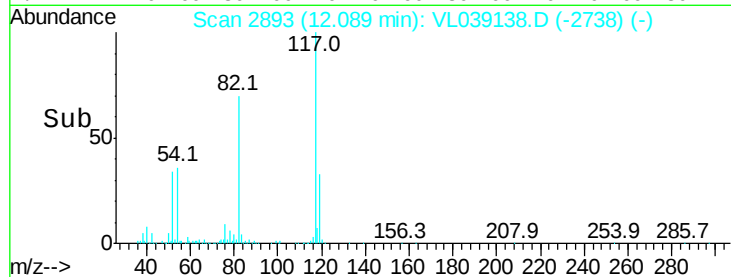
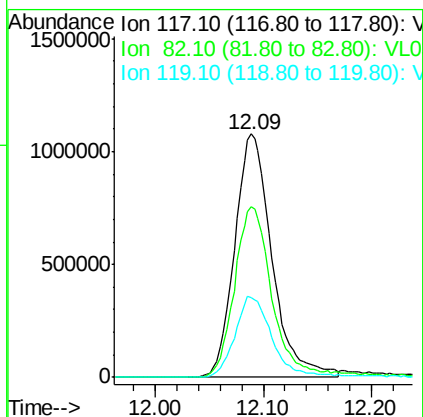
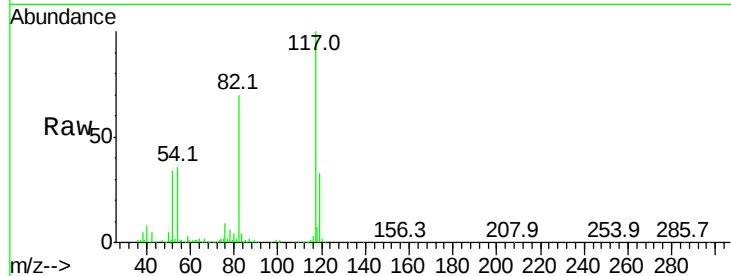




#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.09 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 VSTDIC0.03
 Acq: 31 May 2022 19:45

Tgt Ion: 117 Resp: 2591448

Ion	Ratio	Lower	Upper
117	100		
82	71.5	55.1	82.7
119	33.3	24.7	37.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.85 ppbv
 RT: 14.42 min Scan# 3617
 Delta R.T.: 0.00 min
 Lab File: VL039138.D
 Acq: 31 May 2022 19:45

Tgt Ion: 95 Resp: 2225873

Ion	Ratio	Lower	Upper
95	100		
174	64.5	53.8	80.8
175	4.8	4.1	6.1

