

Data File : VL036051.D
Acq On : 3 Dec 2020 12:56
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Dec 03 14:05:31 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120320AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec 03 12:00:21 2020
QLast Update : Thu Dec 03 12:00:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1059855	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3685064	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3413789	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2549701	10.51	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.10%

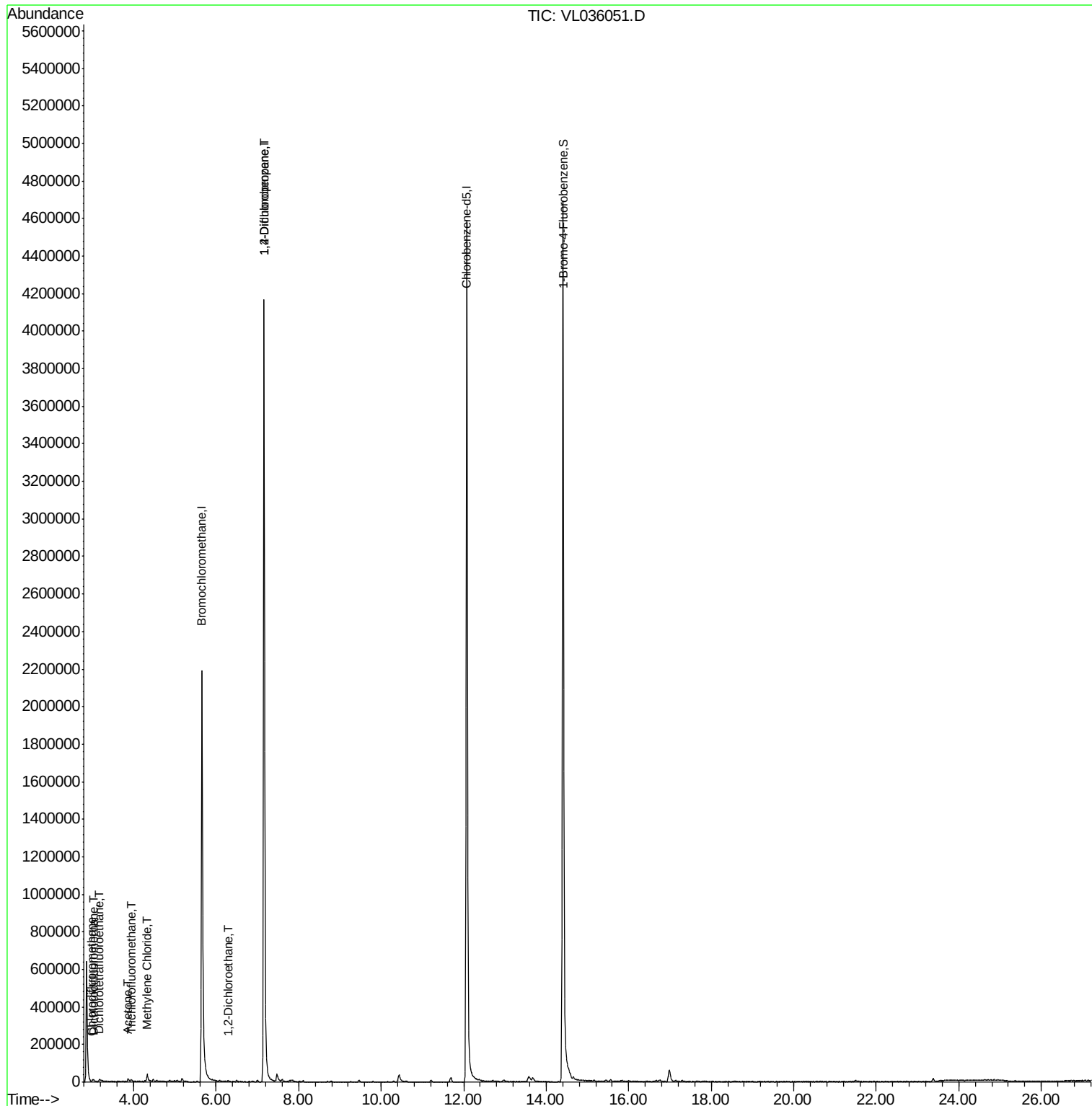
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	7033	0.035	ppbv	99
3) Chlorodifluoromethane	2.97	51	4575	0.036	ppbv	92
8) Dichlorotetrafluoroethane	3.18	85	6932	0.030	ppbv	93
11) Trichlorofluoromethane	3.94	101	8361	0.033	ppbv	86
15) Acetone	3.86	43	13976	0.123	ppbv #	21
20) Methylene Chloride	4.33	84	18323	0.230	ppbv	92
37) 1,2-Dichloroethane	6.29	62	3990	0.032	ppbv #	89
39) 1,2-Dichloropropane	7.16	63	773450	8.386	ppbv #	30

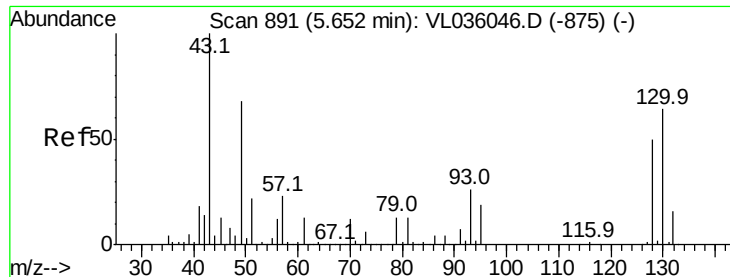
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.00 min

Lab File: VL036051.D

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ClientSampleId :

VSTDIC0.03

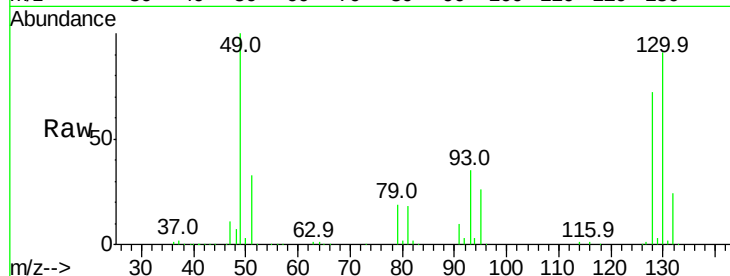
Tgt Ion: 49 Resp: 1059855

Ion Ratio Lower Upper

49 100

128 76.1 38.3 114.8

130 97.0 49.1 147.4



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

5.65

600000

500000

400000

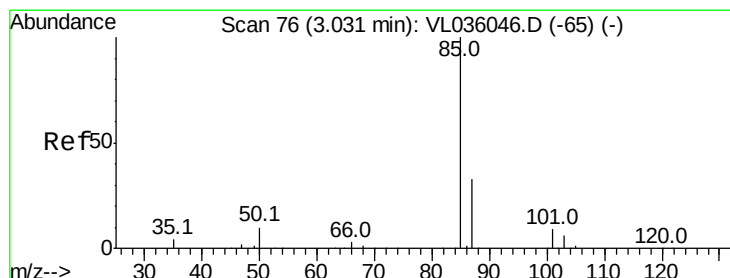
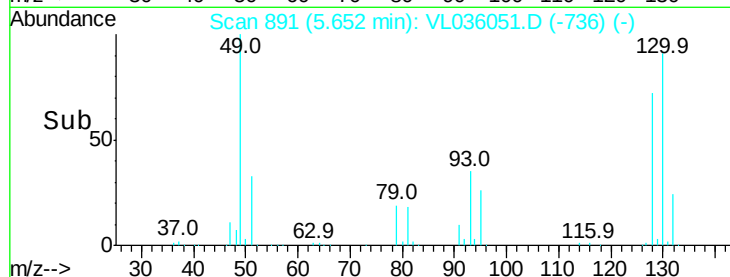
300000

200000

100000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.035 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL036051.D

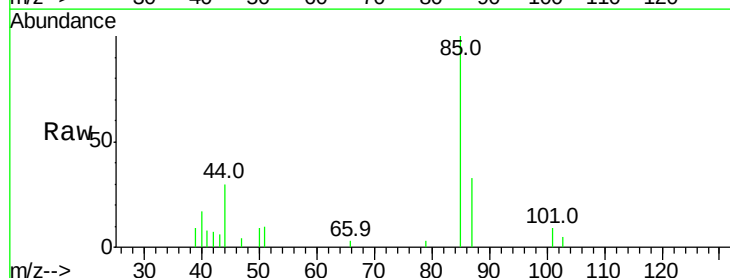
Acq: 3 Dec 2020 12:56

Tgt Ion: 85 Resp: 7033

Ion Ratio Lower Upper

85 100

87 32.9 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.03

6000

5000

4000

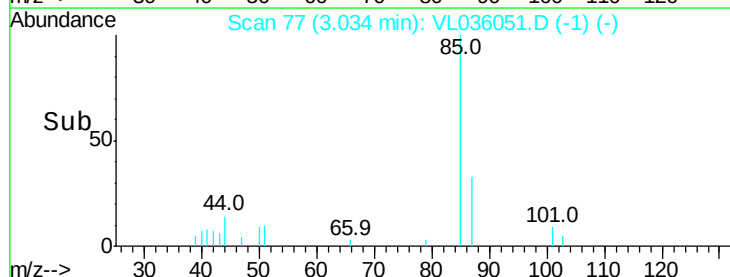
3000

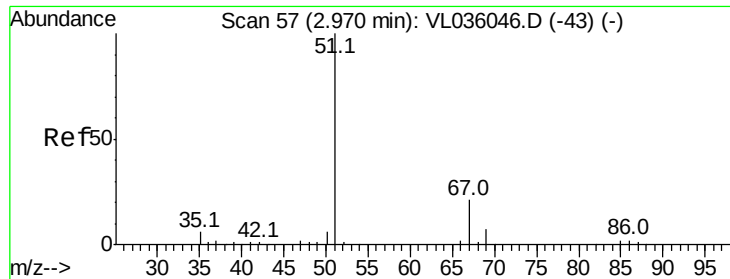
2000

1000

0

Time-->





#3

Chlorodifluoromethane

Concen: 0.036 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.00 min

Lab File: VL036051.D

Acq: 3 Dec 2020 12:56

Instrument :

MSVOA_L

ClientSampleId :

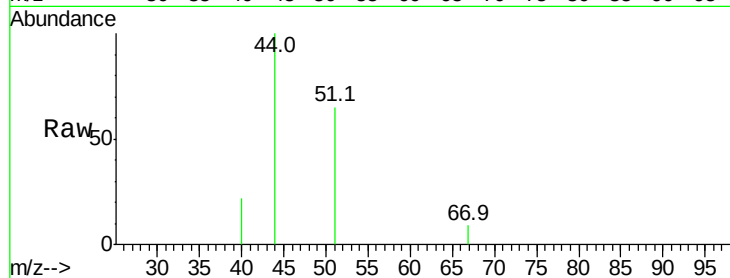
VSTDIC0.03

Tgt Ion: 51 Resp: 4575

Ion Ratio Lower Upper

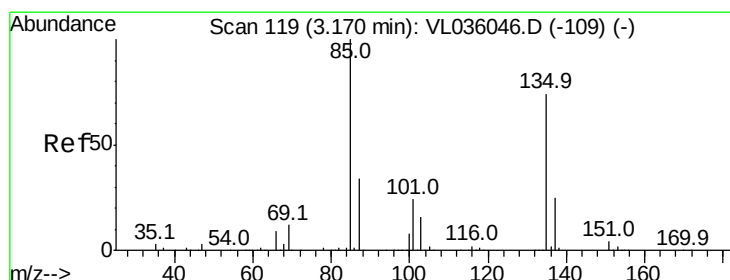
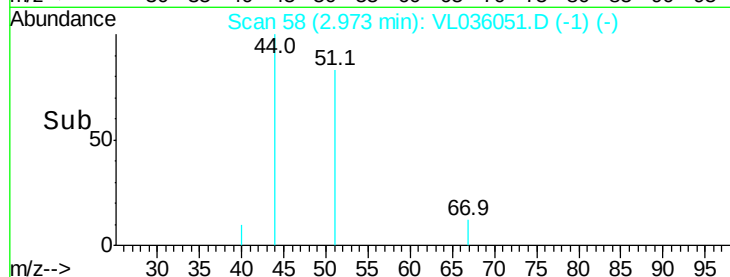
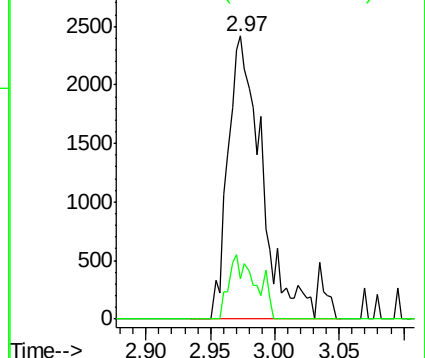
51 100

67 17.4 16.9 25.3



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.030 ppbv

RT: 3.18 min Scan# 121

Delta R.T. 0.01 min

Lab File: VL036051.D

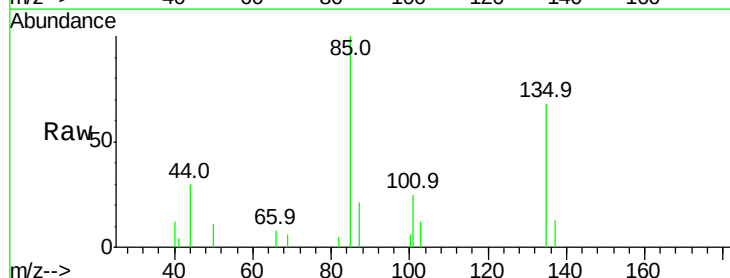
Acq: 3 Dec 2020 12:56

Tgt Ion: 85 Resp: 6932

Ion Ratio Lower Upper

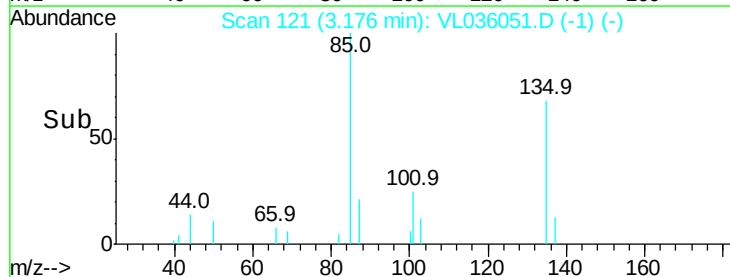
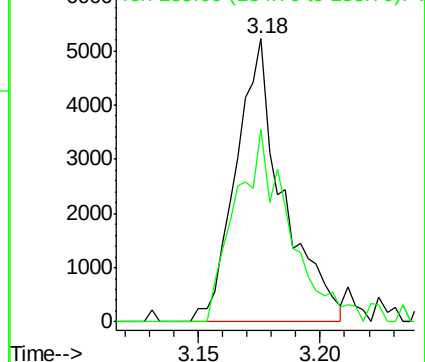
85 100

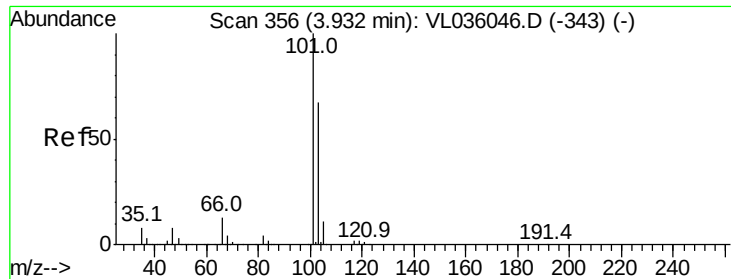
135 80.9 60.2 90.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0

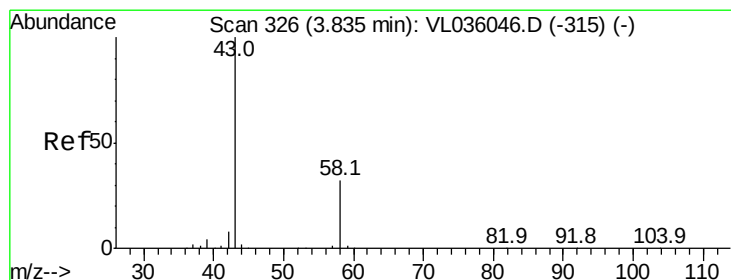
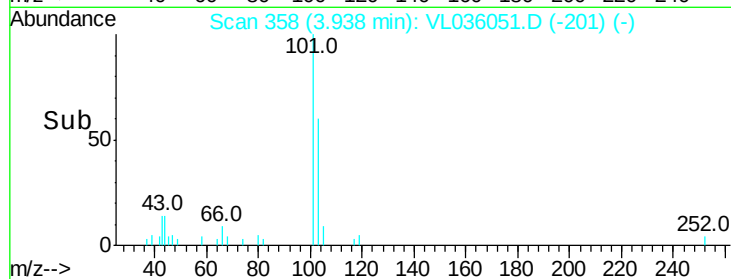
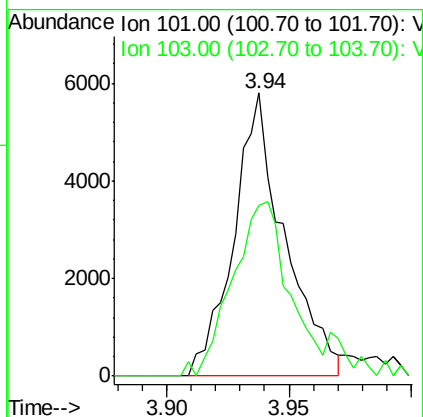
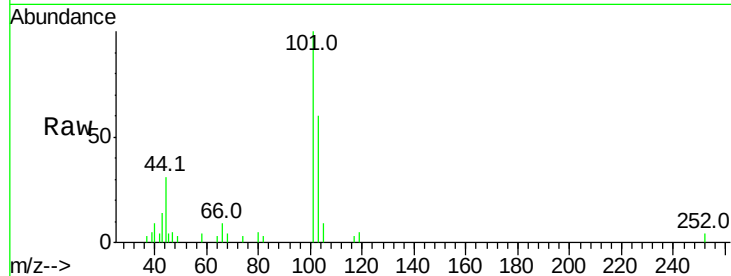




#11
 Trichlorofluoromethane
 Concen: 0.033 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. 0.01 min
 Lab File: VL036051.D
 Acq: 3 Dec 2020 12:56

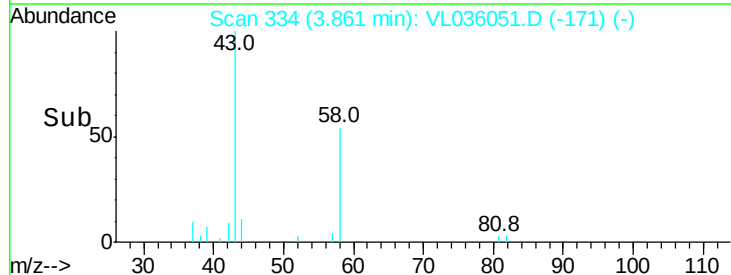
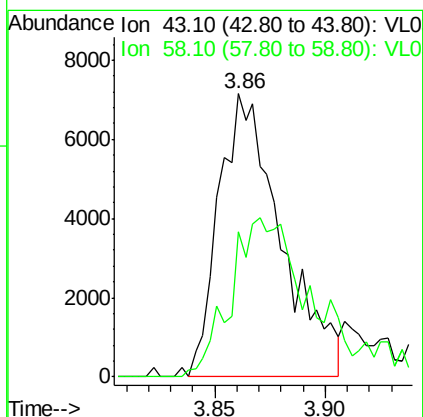
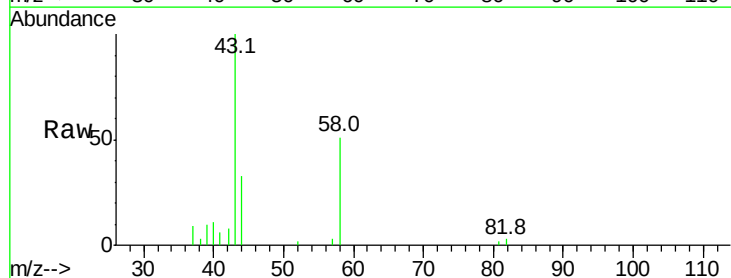
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

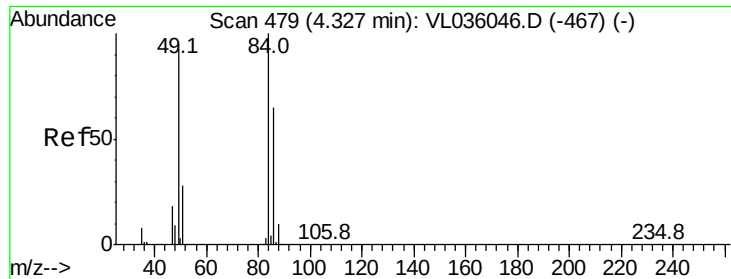
Tgt Ion:101 Resp: 8361
 Ion Ratio Lower Upper
 101 100
 103 55.2 53.2 79.8



#15
 Acetone
 Concen: 0.123 ppbv
 RT: 3.86 min Scan# 334
 Delta R.T. 0.03 min
 Lab File: VL036051.D
 Acq: 3 Dec 2020 12:56

Tgt Ion: 43 Resp: 13976
 Ion Ratio Lower Upper
 43 100
 58 79.0 27.0 40.6#

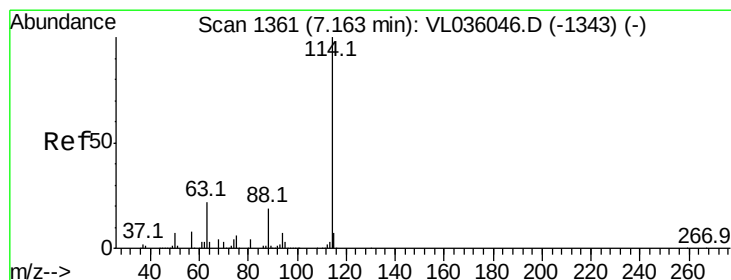
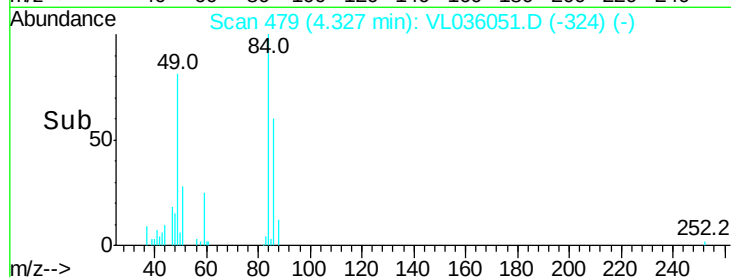
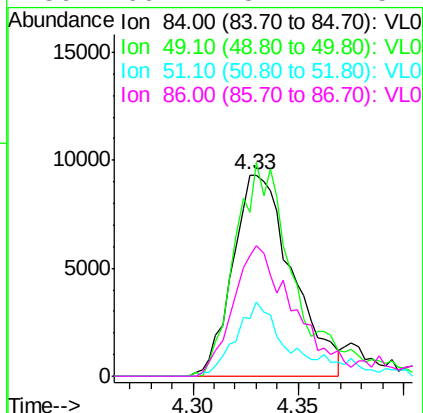
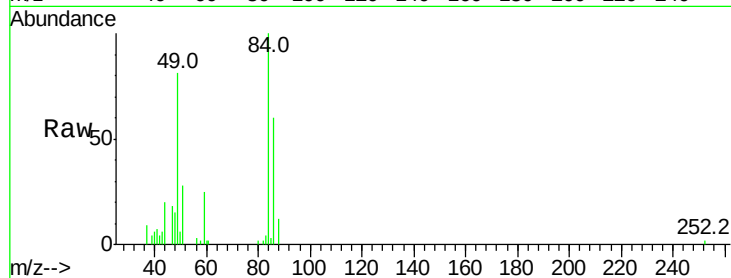




#20
Methylene Chloride
Concen: 0.230 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL036051.D
Acq: 3 Dec 2020 12:56

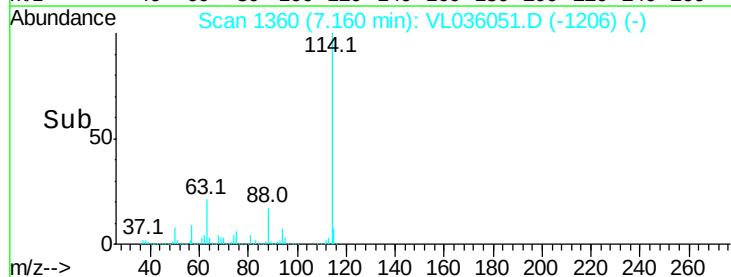
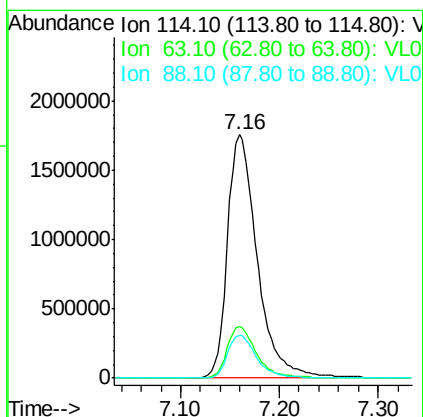
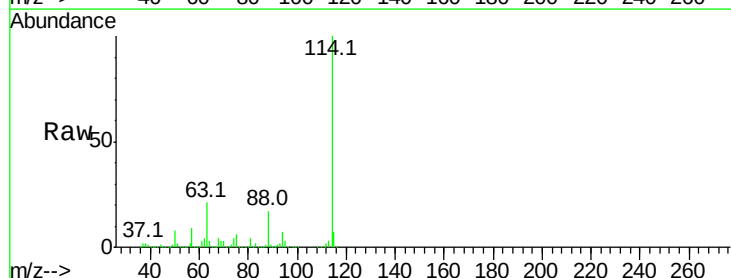
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

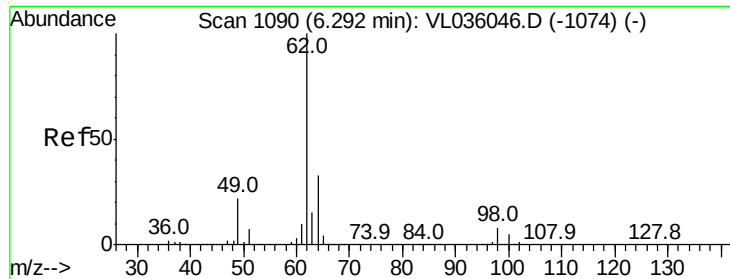
Tgt Ion:	84	Resp:	18323
Ion	Ratio	Lower	Upper
84	100		
49	81.5	74.4	111.6
51	28.4	22.5	33.7
86	60.1	52.2	78.2



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.00 min
Lab File: VL036051.D
Acq: 3 Dec 2020 12:56

Tgt Ion:	114	Resp:	3685064
Ion	Ratio	Lower	Upper
114	100		
63	21.4	17.2	25.8
88	17.5	14.0	21.0

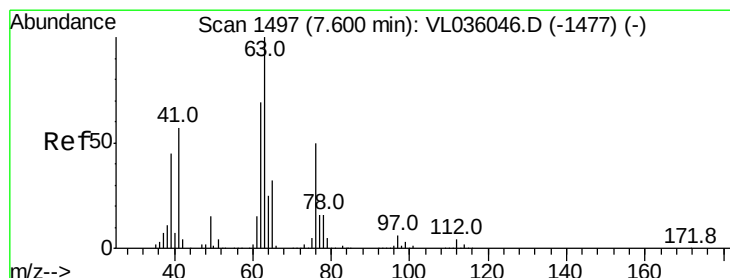
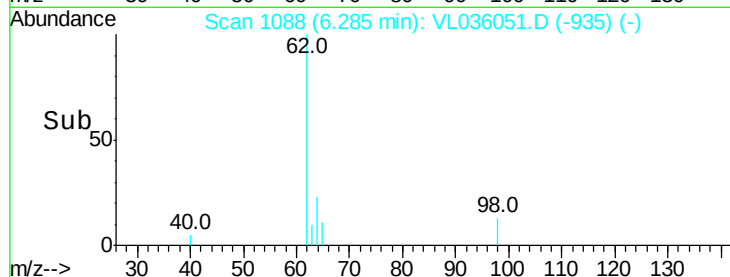
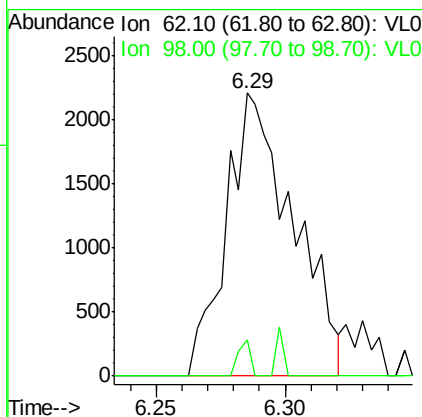
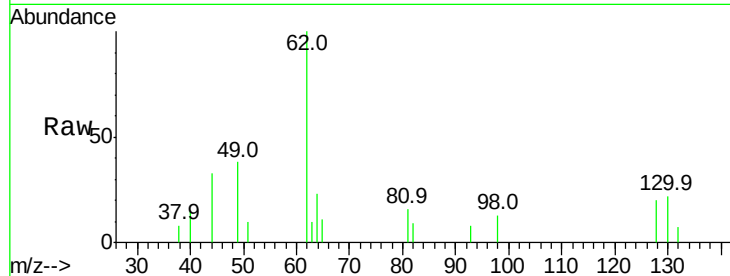




#37
 1,2-Dichloroethane
 Concen: 0.032 ppbv
 RT: 6.29 min Scan# 1088
 Delta R.T. -0.01 min
 Lab File: VL036051.D
 Acq: 3 Dec 2020 12:56

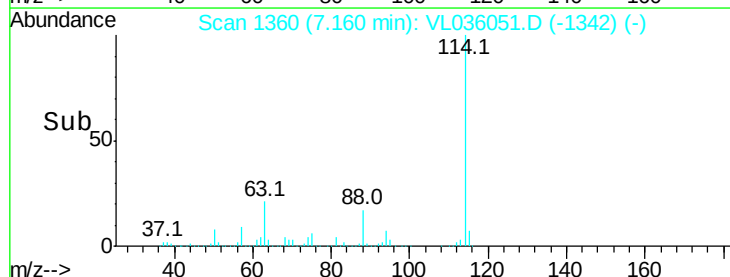
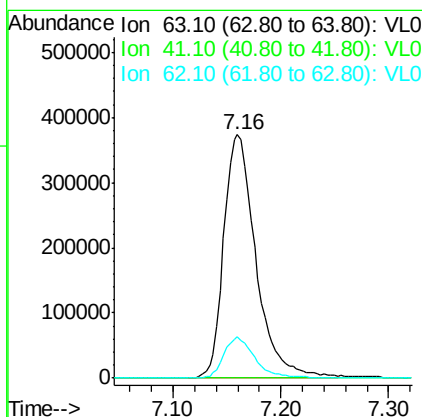
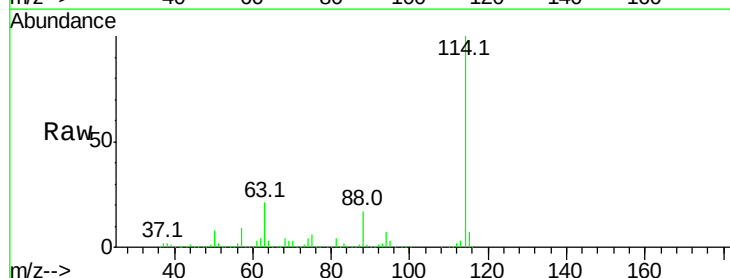
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

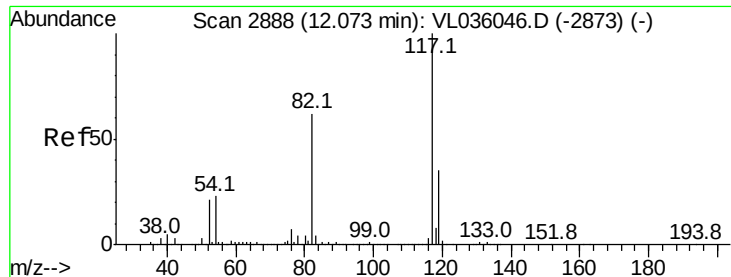
Tgt Ion: 62 Resp: 3990
 Ion Ratio Lower Upper
 62 100
 98 4.1 6.4 9.6#



#39
 1,2-Dichloropropane
 Concen: 8.386 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.44 min
 Lab File: VL036051.D
 Acq: 3 Dec 2020 12:56

Tgt Ion: 63 Resp: 773450
 Ion Ratio Lower Upper
 63 100
 41 0.1 45.4 68.0#
 62 17.0 55.3 82.9#

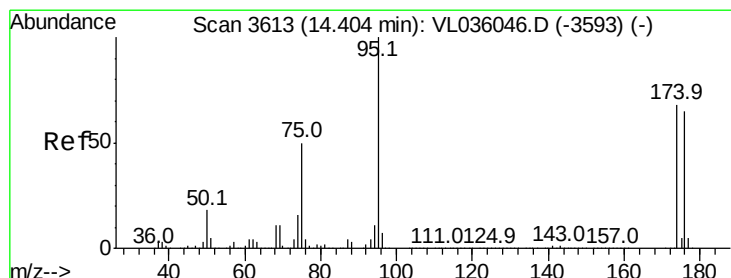
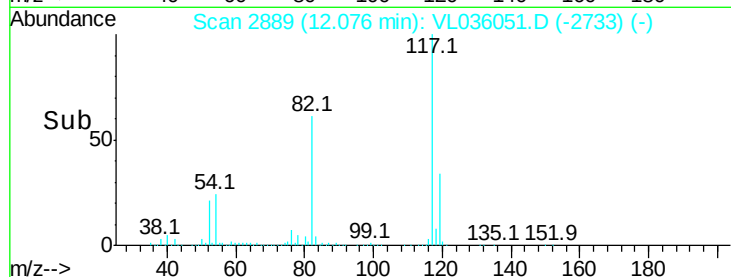
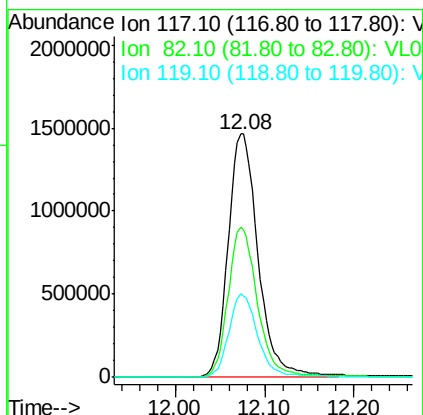
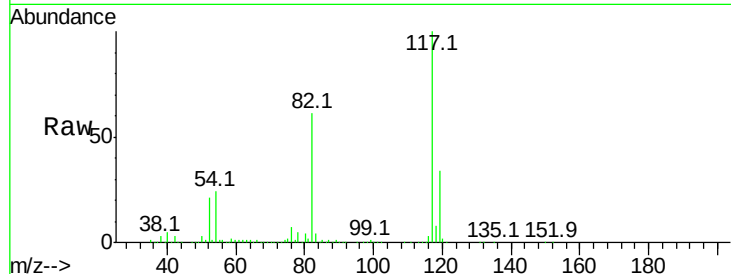




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. 0.00 min
Lab File: VL036051.D
Acq: 3 Dec 2020 12:56

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

Tgt Ion: 117 Resp: 3413789
Ion Ratio Lower Upper
117 100
82 61.8 49.9 74.9
119 33.9 28.7 43.1



#68
1-Bromo-4-Fluorobenzene
Concen: 10.512 ppbv
RT: 14.40 min Scan# 3613
Delta R.T. -0.00 min
Lab File: VL036051.D
Acq: 3 Dec 2020 12:56

Tgt Ion: 95 Resp: 2549701
Ion Ratio Lower Upper
95 100
174 70.5 54.2 81.2
175 5.0 3.8 5.8

