

Data File : VL033708.D
Acq On : 17 May 2019 7:50
Operator : SY/AP
Sample : VL0517ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0517ABL01

Quant Time: May 17 23:17:38 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1192806	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2844877	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2724103	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2171845	9.83	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

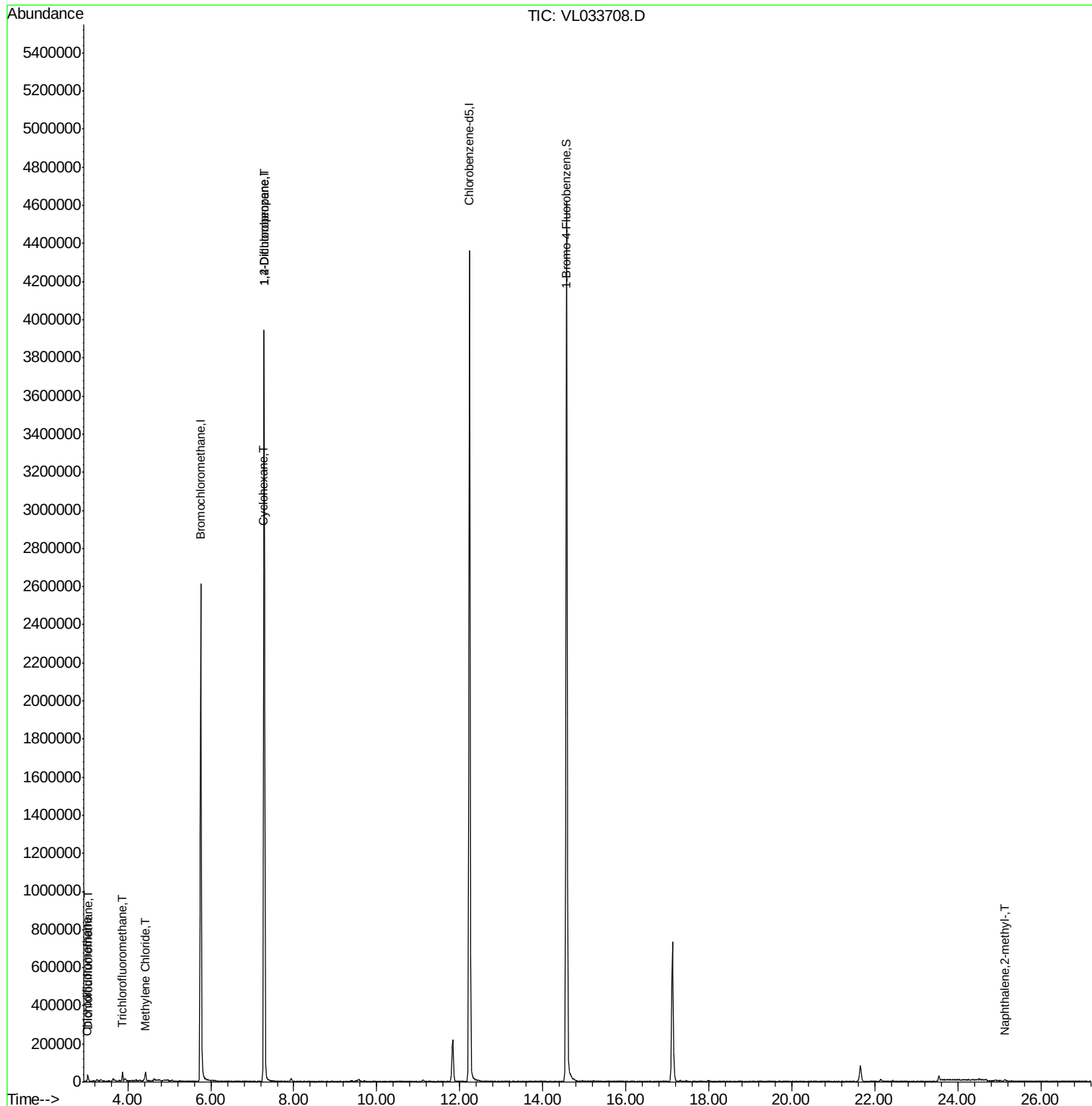
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	3450	0.014	ppbv	95
3) Chlorodifluoromethane	3.01	51	2350	0.017	ppbv #	83
11) Trichlorofluoromethane	3.88	101	5107	0.021	ppbv #	63
20) Methylene Chloride	4.40	84	2078	0.033	ppbv #	94
30) Cyclohexane	7.26	84	3201	0.030	ppbv #	1
39) 1,2-Dichloropropane	7.28	63	728571	7.551	ppbv #	22
80) Naphthalene,2-methyl-	25.12	142	5626	0.041	ppbv	91

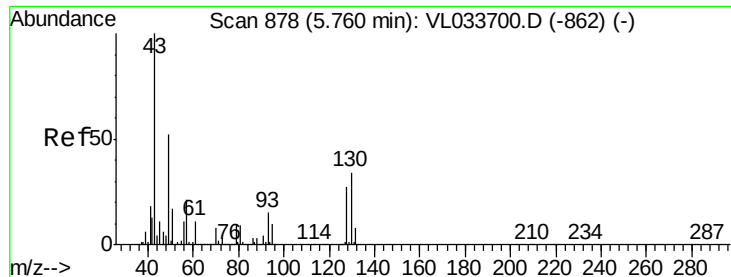
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.00 min

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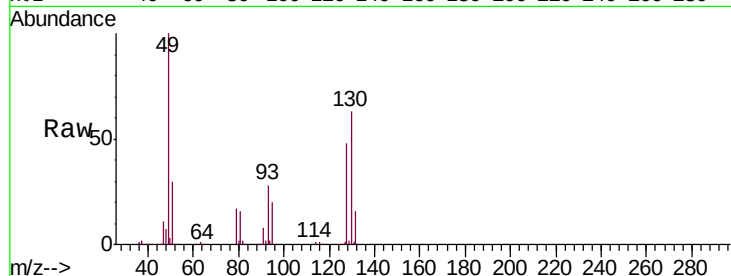
Tgt Ion: 49 Resp: 1192806

Ion Ratio Lower Upper

49 100

128 50.5 25.2 75.6

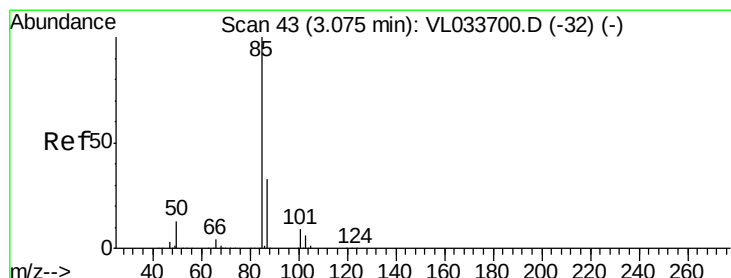
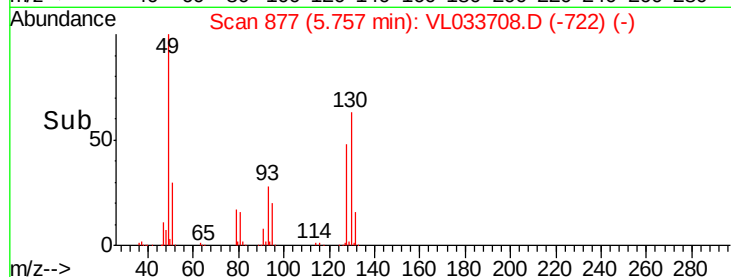
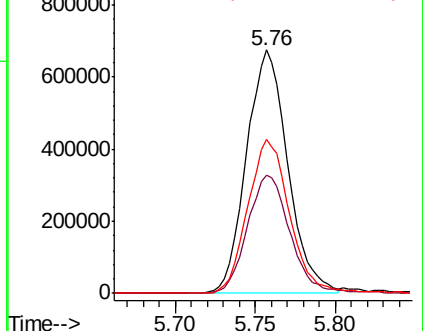
130 64.4 32.5 97.5



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



#2

Dichlorodifluoromethane

Concen: 0.014 ppbv

RT: 3.04 min Scan# 31

Delta R.T. -0.04 min

Lab File: VL033708.D

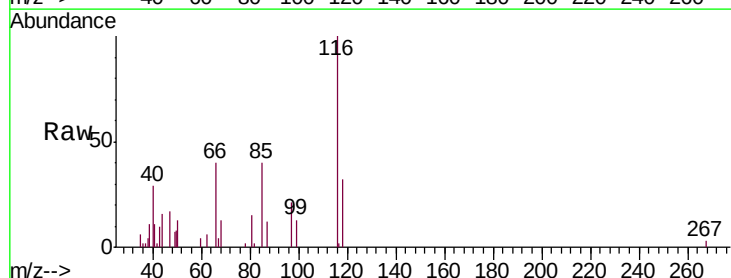
Acq: 17 May 2019 7:50

Tgt Ion: 85 Resp: 3450

Ion Ratio Lower Upper

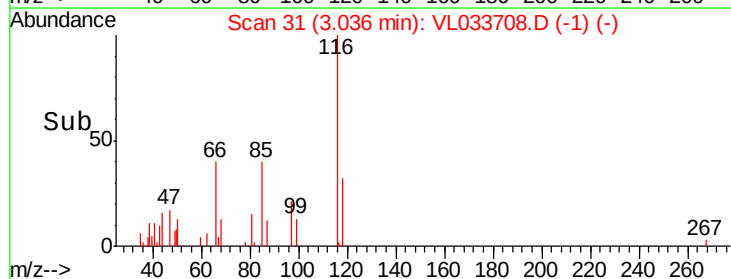
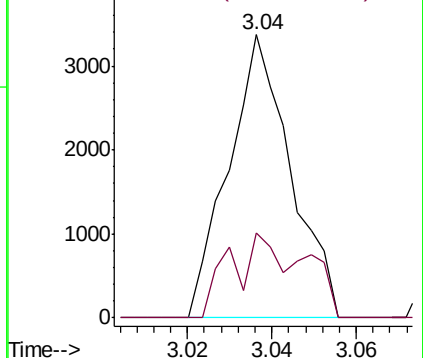
85 100

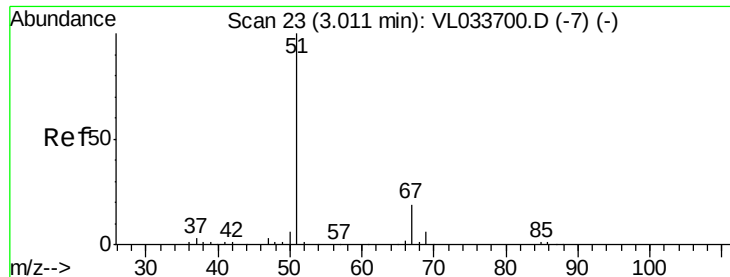
87 29.8 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

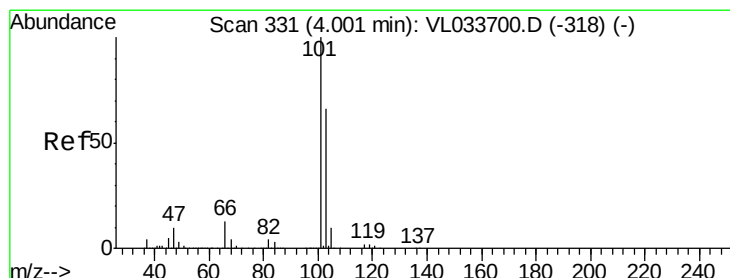
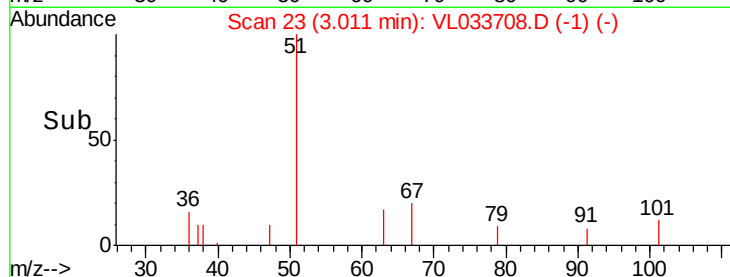
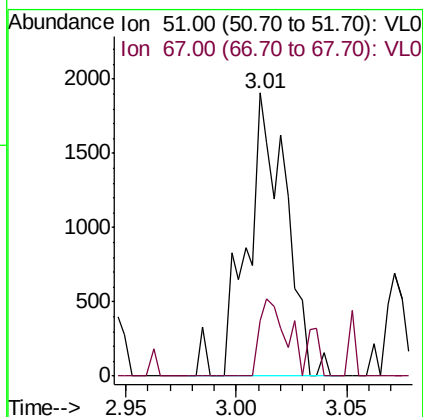
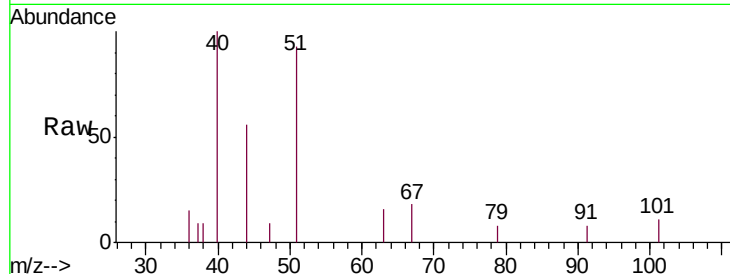




#3
Chlorodifluoromethane
Concen: 0.017 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.00 min
Lab File: VL033708.D
Acq: 17 May 2019 7:50

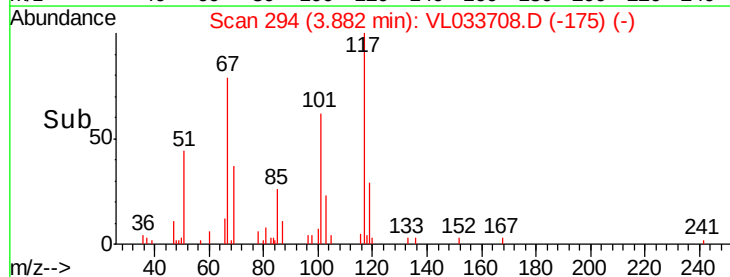
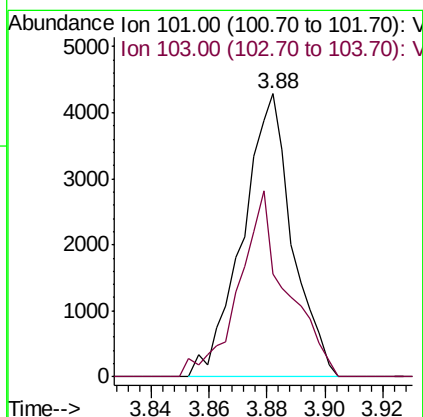
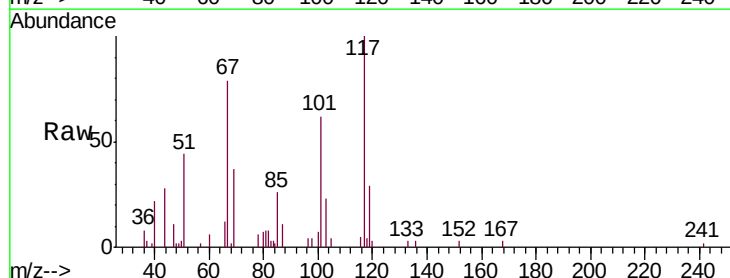
Instrument :
MSVOA_L
ClientSampleId :
VL0517ABL01

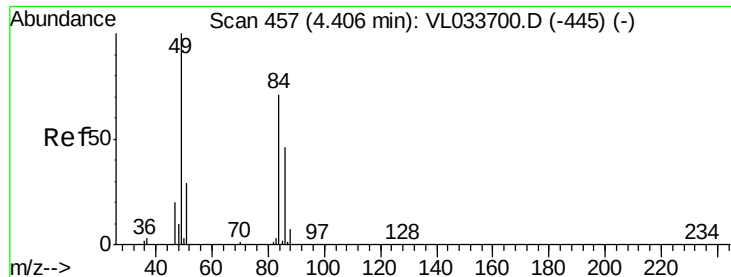
Tgt Ion: 51 Resp: 2350
Ion Ratio Lower Upper
51 100
67 27.4 15.6 23.4#



#11
Trichlorofluoromethane
Concen: 0.021 ppbv
RT: 3.88 min Scan# 294
Delta R.T. -0.12 min
Lab File: VL033708.D
Acq: 17 May 2019 7:50

Tgt Ion: 101 Resp: 5107
Ion Ratio Lower Upper
101 100
103 36.4 52.6 78.8#

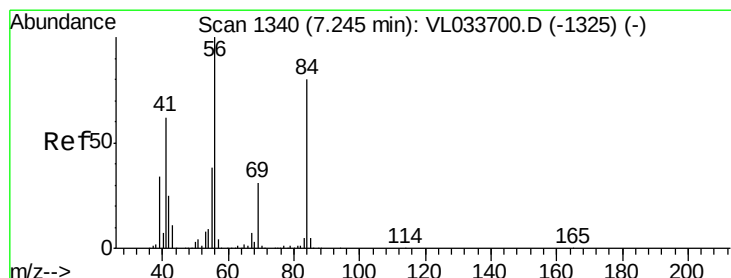
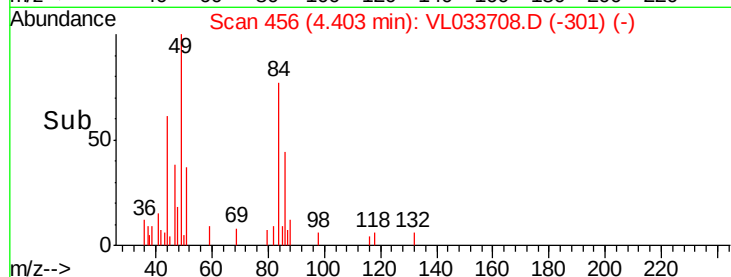
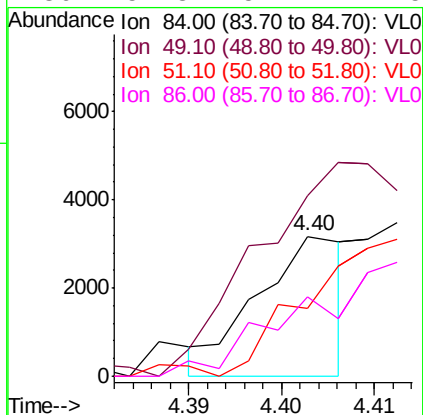
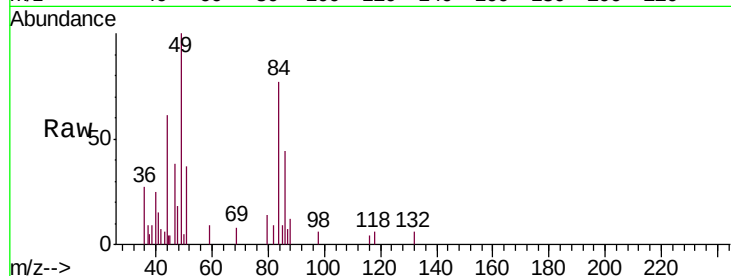




#20
Methylene Chloride
Concen: 0.033 ppbv
RT: 4.40 min Scan# 456
Delta R.T. -0.00 min
Lab File: VL033708.D
Acq: 17 May 2019 7:50

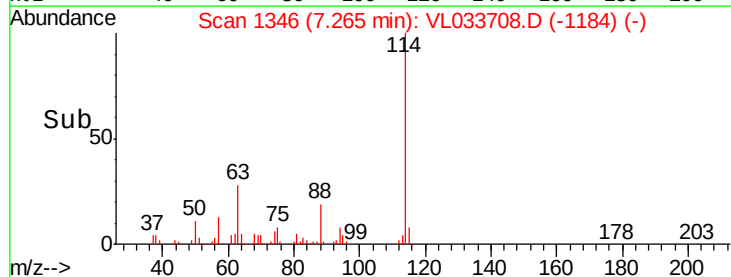
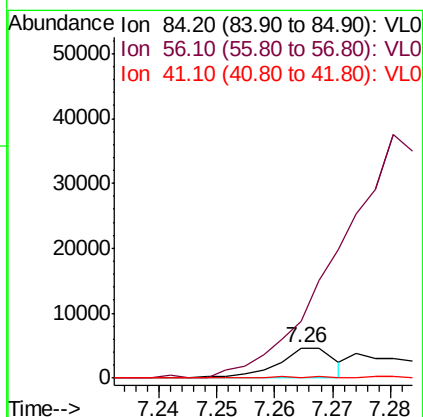
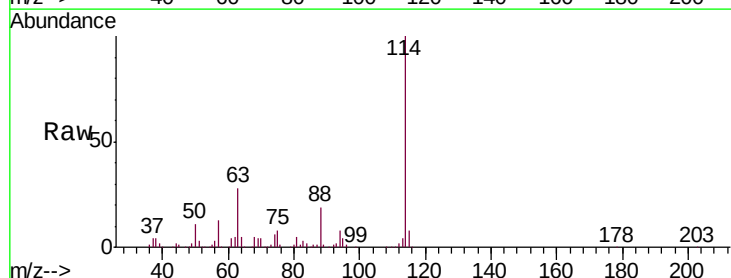
Instrument :
MSVOA_L
ClientSampleId :
VL0517ABL01

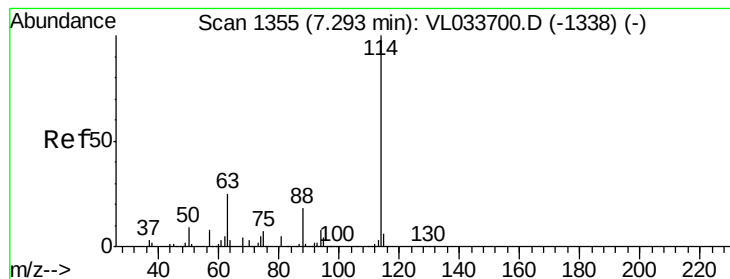
Tgt Ion: 84 Resp: 2078
Ion Ratio Lower Upper
84 100
49 139.4 112.8 169.2
51 51.5 33.4 50.0#
86 57.3 51.7 77.5



#30
Cyclohexane
Concen: 0.030 ppbv
RT: 7.26 min Scan# 1346
Delta R.T. 0.02 min
Lab File: VL033708.D
Acq: 17 May 2019 7:50

Tgt Ion: 84 Resp: 3201
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 6.7 66.0 99.0#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL033708.D

Acq: 17 May 2019 7:50

Instrument :

MSVOA_L

ClientSampleId :

VL0517ABL01

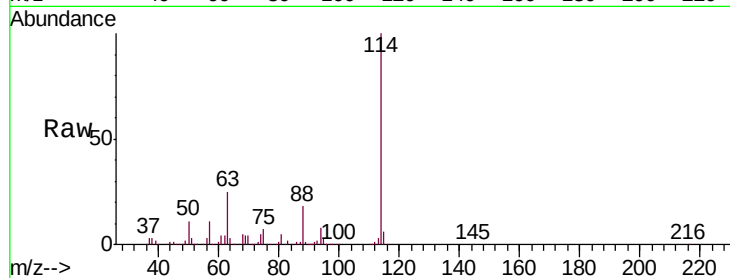
Tgt Ion:114 Resp: 2844877

Ion Ratio Lower Upper

114 100

63 25.8 20.9 31.3

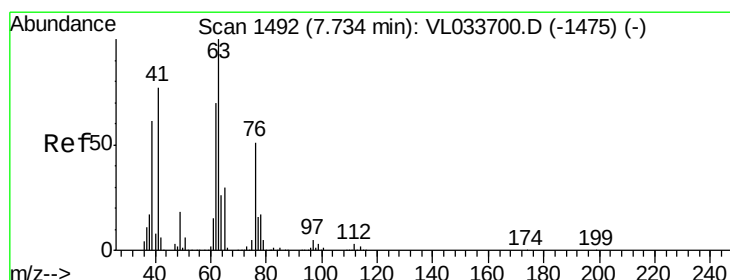
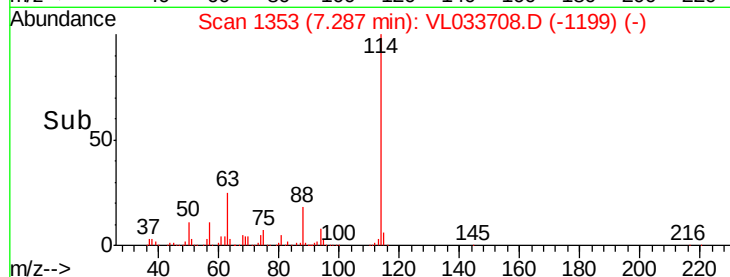
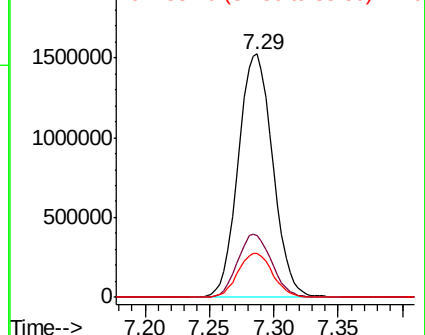
88 18.1 14.3 21.5



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



#39

1,2-Dichloropropane

Concen: 7.551 ppbv

RT: 7.28 min Scan# 1352

Delta R.T. -0.45 min

Lab File: VL033708.D

Acq: 17 May 2019 7:50

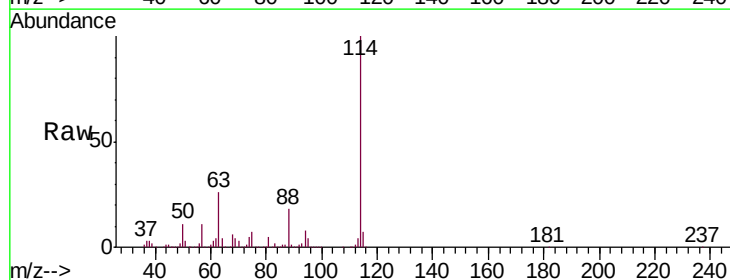
Tgt Ion: 63 Resp: 728571

Ion Ratio Lower Upper

63 100

41 0.0 61.5 92.3#

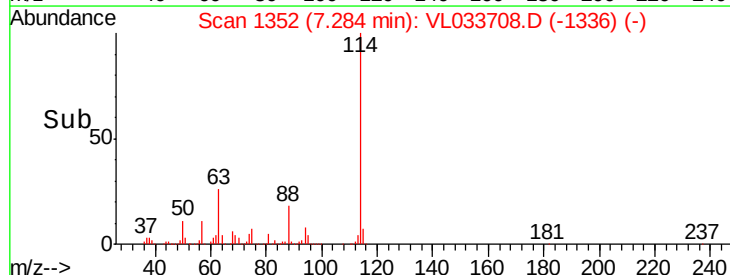
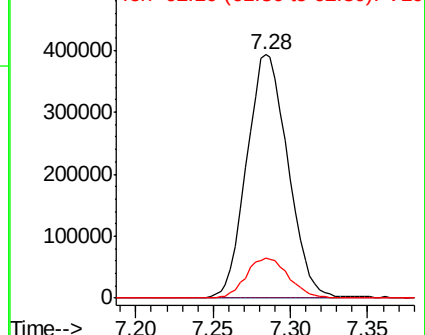
62 16.3 56.2 84.4#

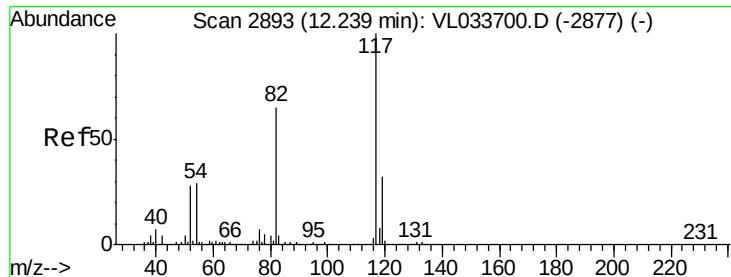


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

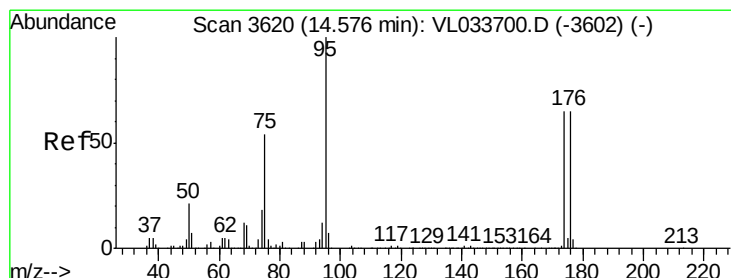
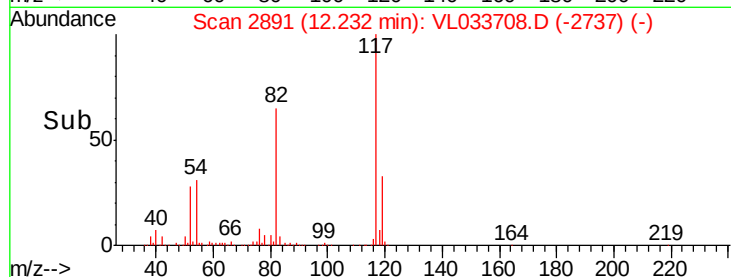
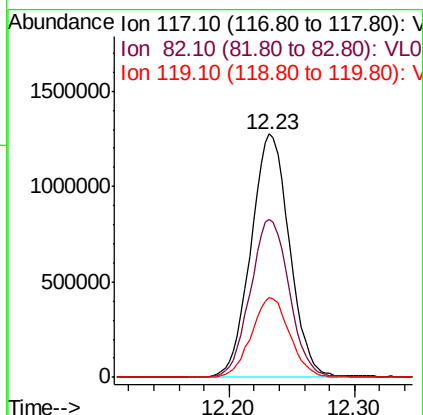
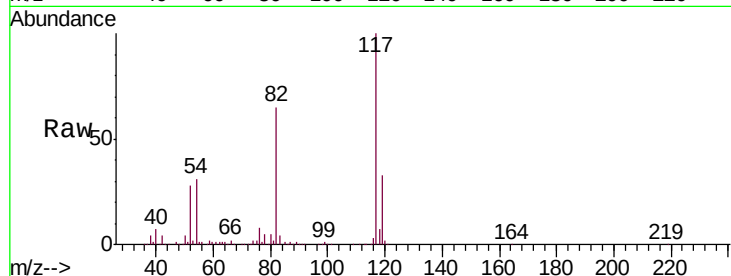




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033708.D
Acq: 17 May 2019 7:50

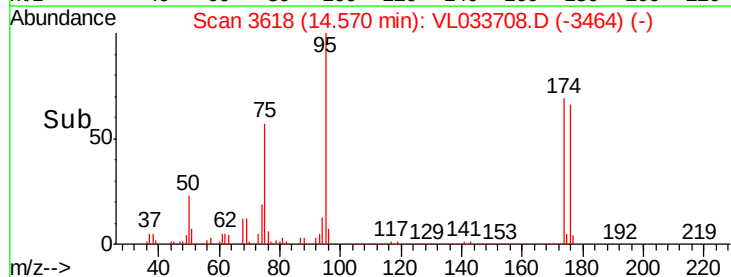
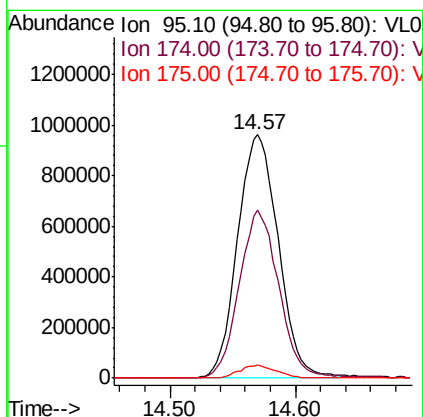
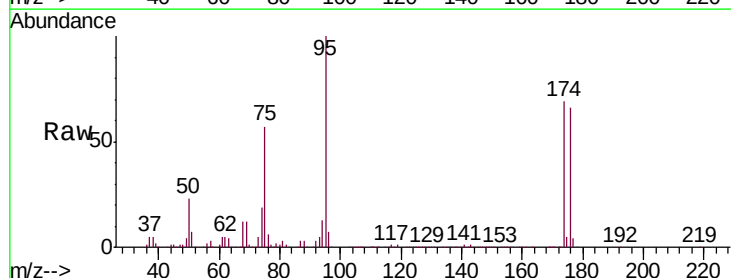
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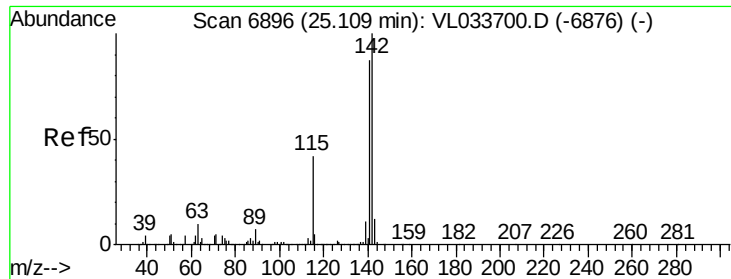
Tgt Ion: 117 Resp: 2724103
Ion Ratio Lower Upper
117 100
82 66.5 49.4 74.0
119 33.0 24.9 37.3



#68
1-Bromo-4-Fluorobenzene
Concen: 9.835 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL033708.D
Acq: 17 May 2019 7:50

Tgt Ion: 95 Resp: 2171845
Ion Ratio Lower Upper
95 100
174 68.2 53.9 80.9
175 4.9 3.8 5.8





#80
 Naphthalene, 2-methyl-
 Concen: 0.041 ppbv
 RT: 25.12 min Scan# 6899
 Delta R.T. 0.01 min
 Lab File: VL033708.D
 Acq: 17 May 2019 7:50

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0517ABL01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	76.3	67.2	100.8
115	48.9	34.1	51.1

