

Data File : VL033770.D
Acq On : 23 May 2019 11:59
Operator : SY/AP
Sample : VL0523ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABL01

Quant Time: May 24 04:21:57 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	5.75	49	808123	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1835521	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.23	117	1867126	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1545060	10.21	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.10%

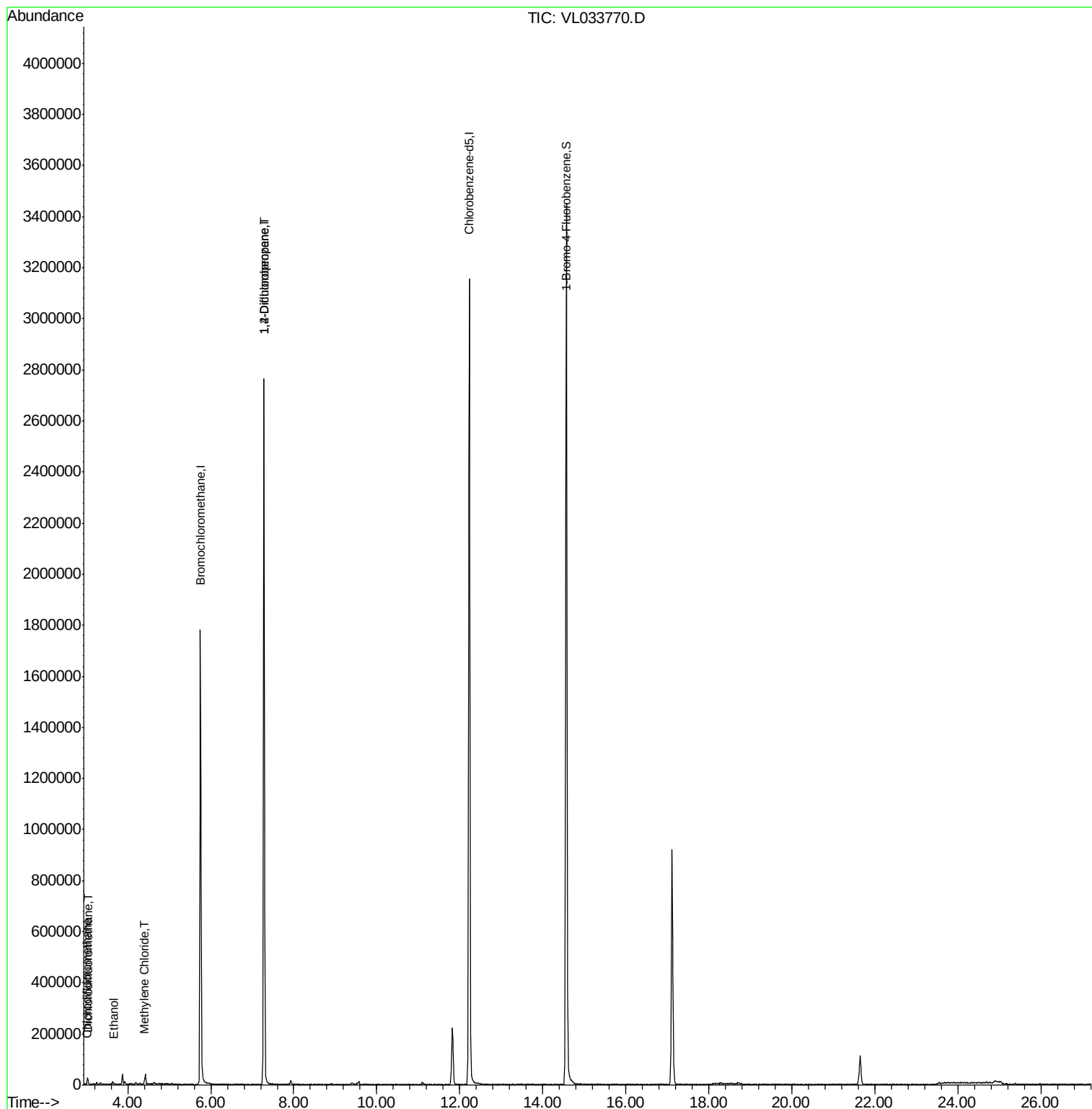
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	2907	0.017	ppbv	91
3) Chlorodifluoromethane	3.01	51	1906	0.021	ppbv #	87
13) Ethanol	3.65	45	184	0.014	ppbv #	38
20) Methylene Chloride	4.40	84	1966	0.046	ppbv #	72
39) 1,2-Dichloropropane	7.28	63	479652	7.705	ppbv #	22

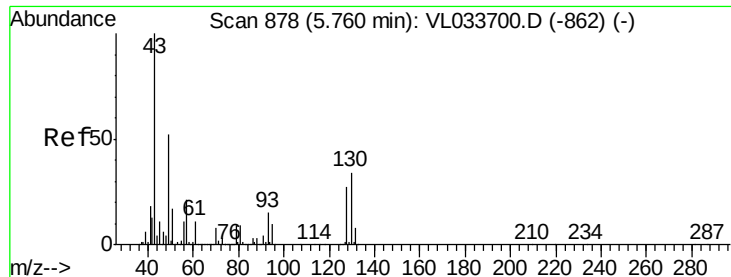
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 875

Delta R.T. -0.01 min

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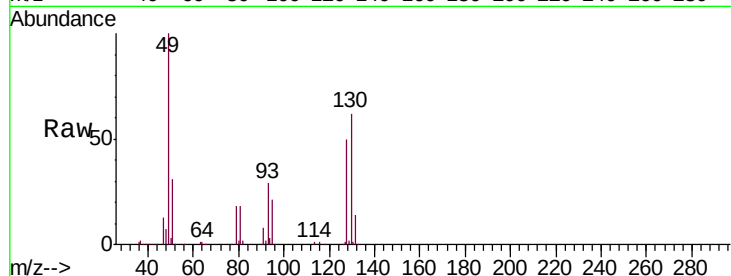
Tgt Ion: 49 Resp: 808123

Ion Ratio Lower Upper

49 100

128 50.0 25.2 75.6

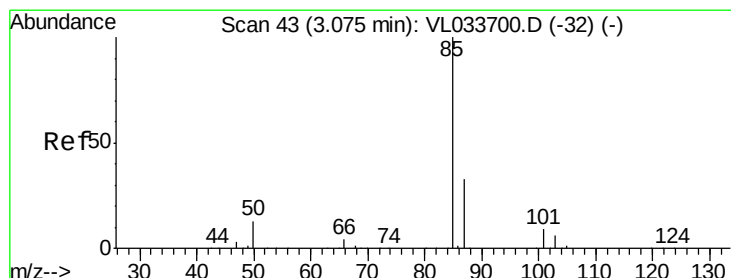
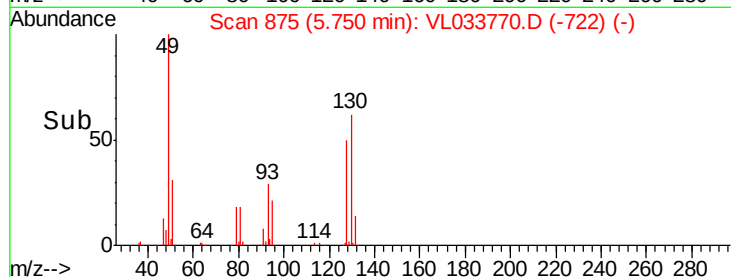
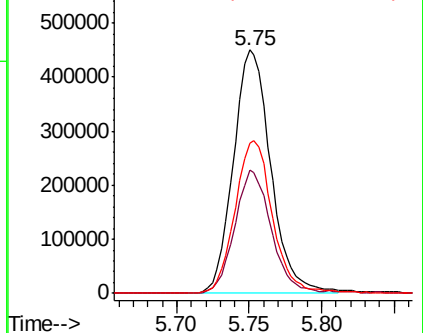
130 63.6 32.5 97.5



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: 0.017 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.04 min

Lab File: VL033770.D

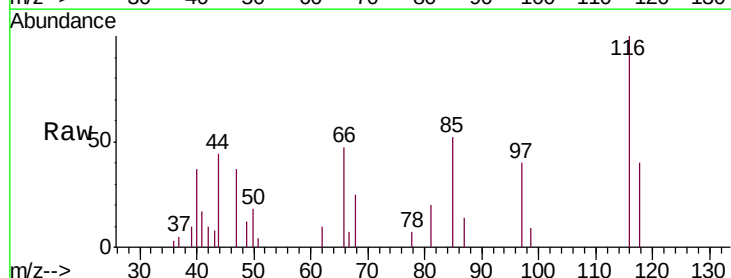
Acq: 23 May 2019 11:59

Tgt Ion: 85 Resp: 2907

Ion Ratio Lower Upper

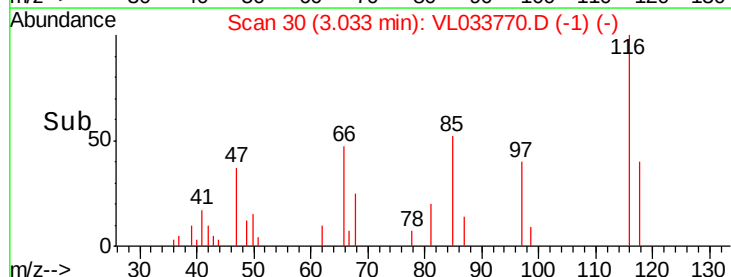
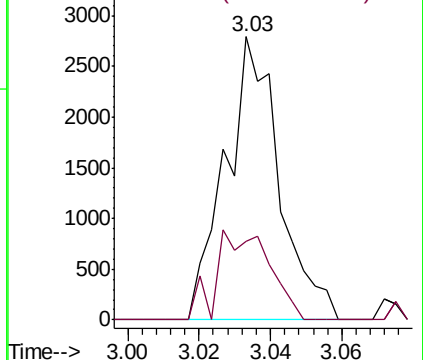
85 100

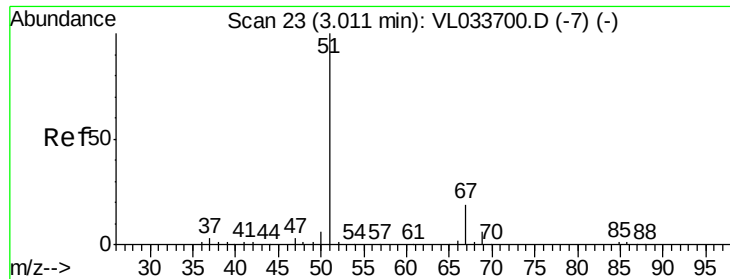
87 27.7 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.021 ppbv

RT: 3.01 min Scan# 23

Delta R.T. 0.00 min

Lab File: VL033770.D

Acq: 23 May 2019 11:59

Instrument :

MSVOA_L

ClientSampleId :

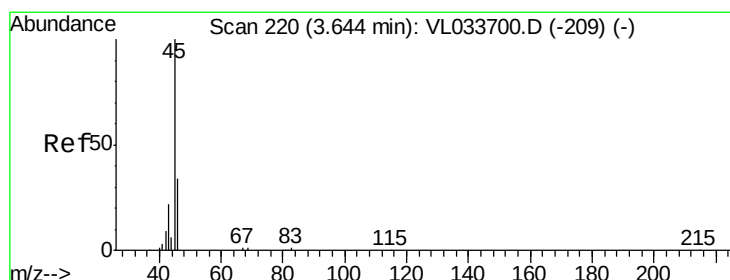
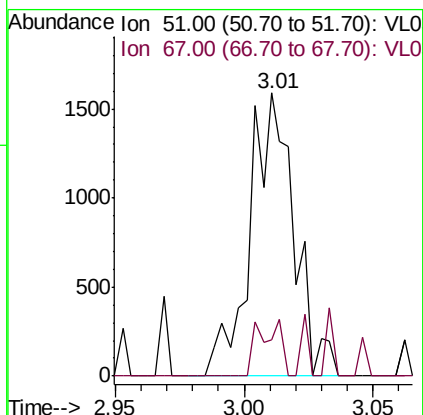
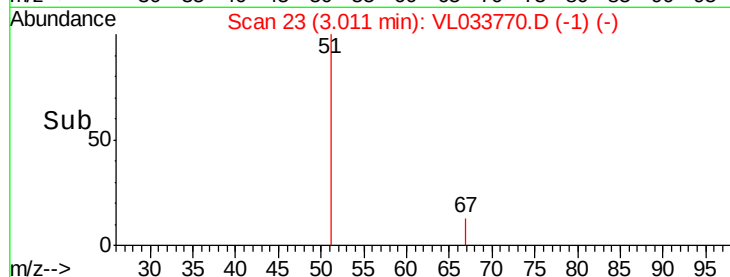
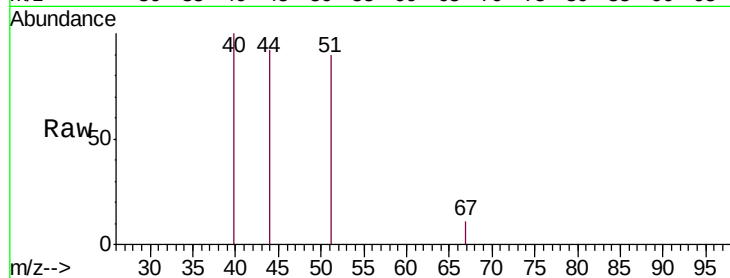
VL0523ABL01

Tgt Ion: 51 Resp: 1906

Ion Ratio Lower Upper

51 100

67 13.8 15.6 23.4#



#13

Ethanol

Concen: 0.014 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.01 min

Lab File: VL033770.D

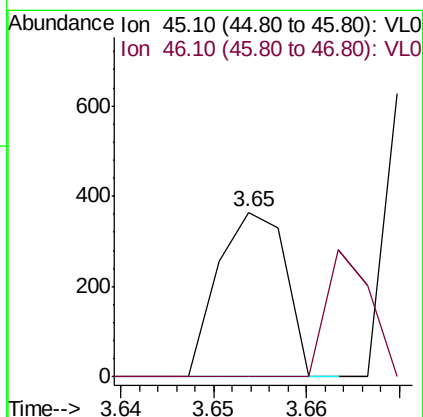
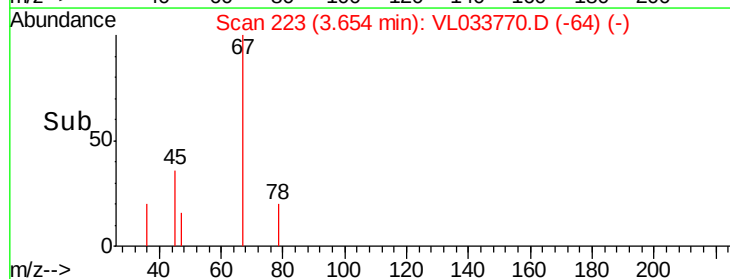
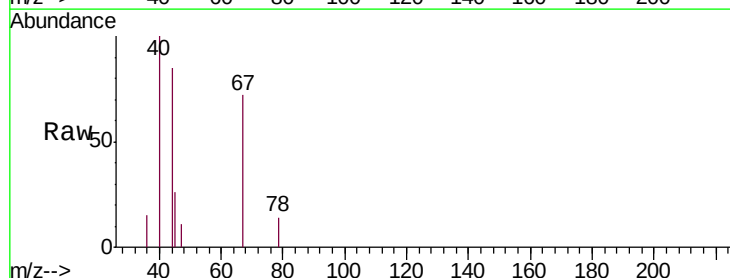
Acq: 23 May 2019 11:59

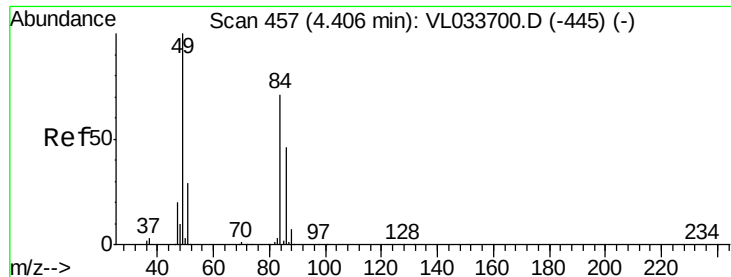
Tgt Ion: 45 Resp: 184

Ion Ratio Lower Upper

45 100

46 0.0 14.8 59.0#

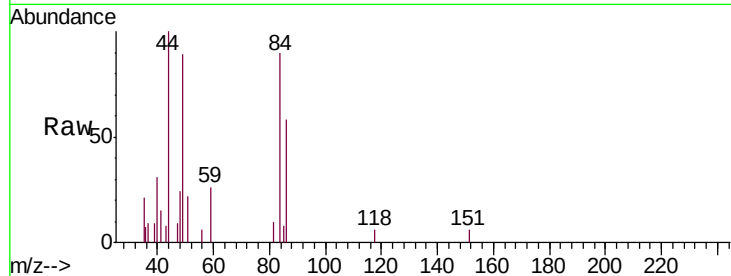




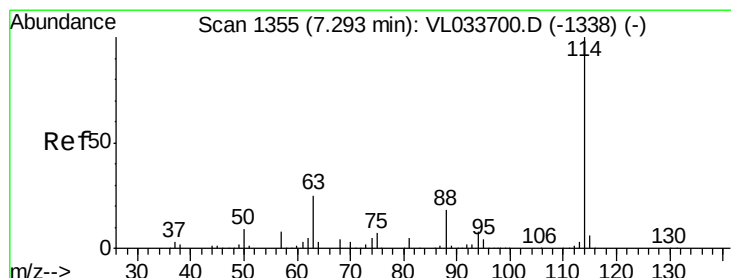
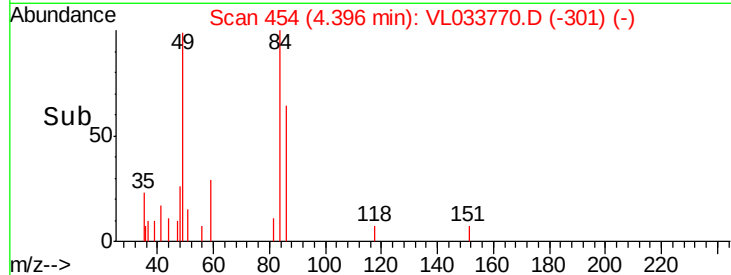
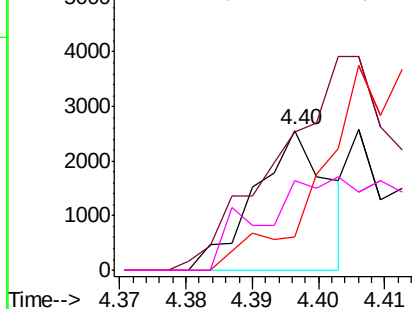
#20
Methylene Chloride
Concen: 0.046 ppbv
RT: 4.40 min Scan# 454
Delta R.T. -0.01 min
Lab File: VL033770.D
Acq: 23 May 2019 11:59

Instrument :
MSVOA_L
ClientSampleId :
VL0523ABL01

Tgt Ion:	84	Resp:	1966
Ion	Ratio	Lower	Upper
84	100		
49	92.5	112.8	169.2#
51	24.0	33.4	50.0#
86	63.9	51.7	77.5

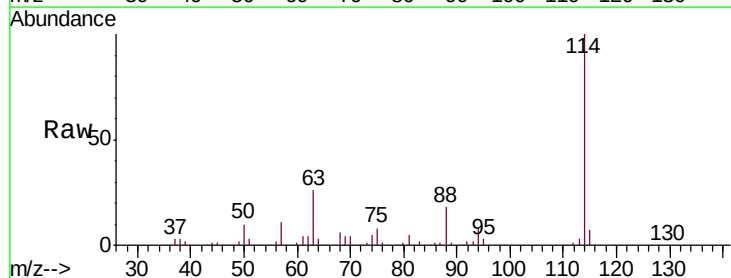


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

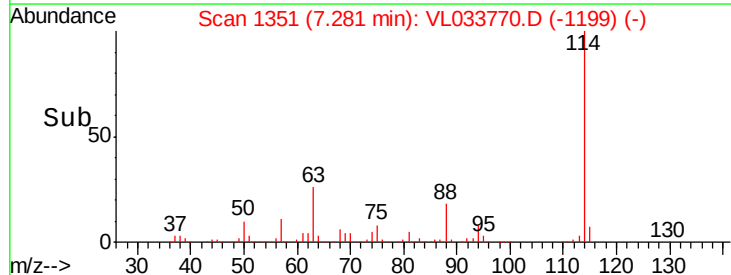
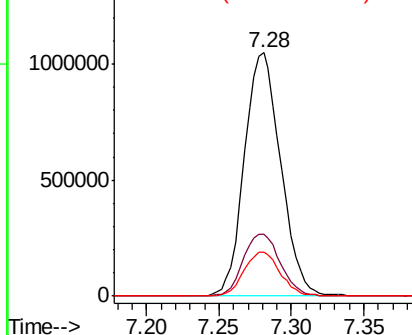


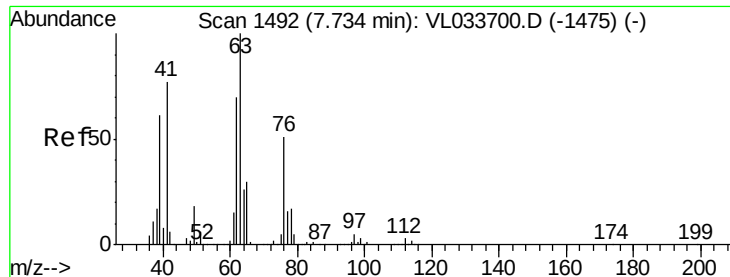
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1351
Delta R.T. -0.01 min
Lab File: VL033770.D
Acq: 23 May 2019 11:59

Tgt Ion:	114	Resp:	1835521
Ion	Ratio	Lower	Upper
114	100		
63	26.2	20.9	31.3
88	18.0	14.3	21.5



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: 7.705 ppbv

RT: 7.28 min Scan# 1351

Delta R.T. -0.45 min

Lab File: VL033770.D

Acq: 23 May 2019 11:59

Instrument :

MSVOA_L

ClientSampleId :

VL0523ABL01

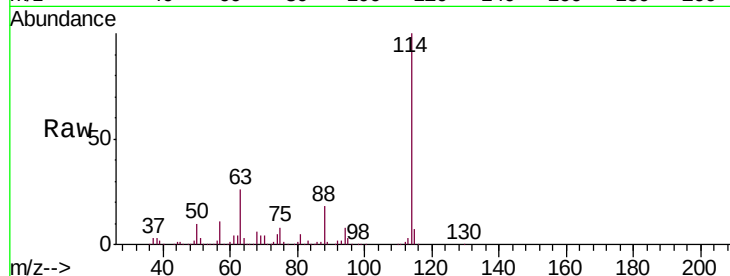
Tgt Ion: 63 Resp: 479652

Ion Ratio Lower Upper

63 100

41 0.0 61.5 92.3#

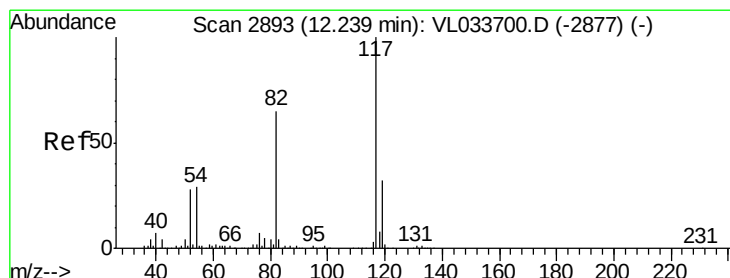
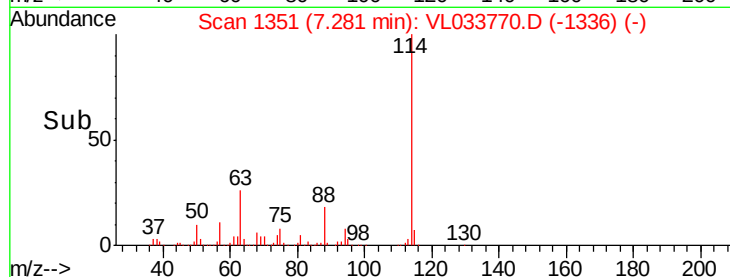
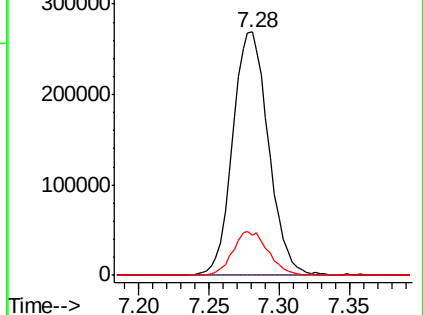
62 16.3 56.2 84.4#



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# 2890

Delta R.T. -0.01 min

Lab File: VL033770.D

Acq: 23 May 2019 11:59

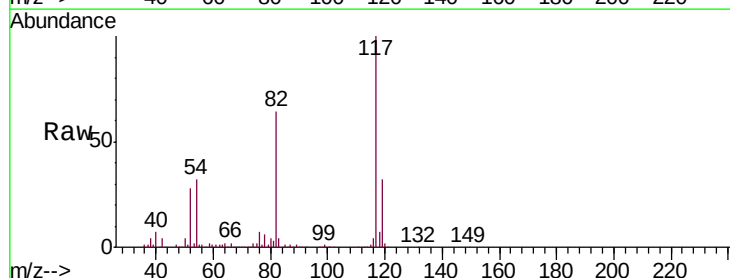
Tgt Ion: 117 Resp: 1867126

Ion Ratio Lower Upper

117 100

82 67.5 49.4 74.0

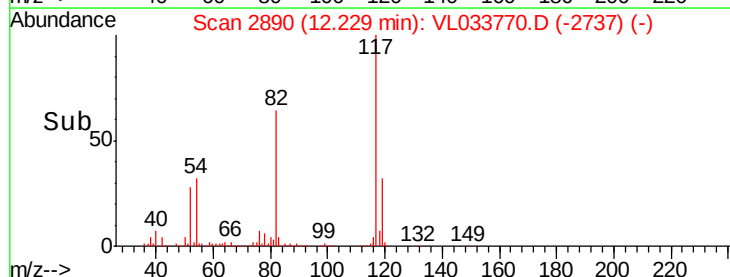
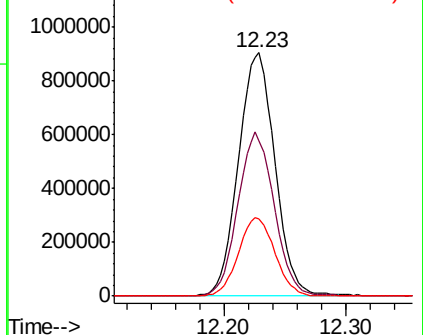
119 32.5 24.9 37.3

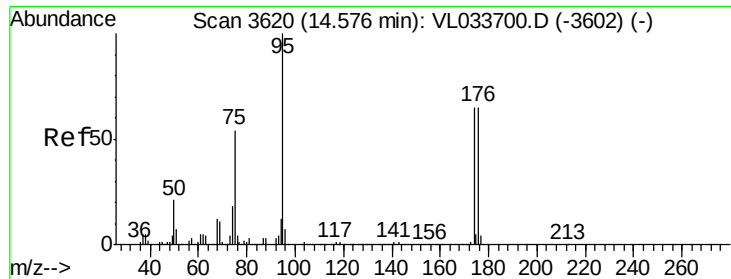


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.208 ppbv
 RT: 14.56 min Scan# 3616
 Delta R.T. -0.01 min
 Lab File: VL033770.D
 Acq: 23 May 2019 11:59

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0523ABL01

Tgt Ion:	95	Resp:	1545060
Ion	Ratio	Lower	Upper
95	100		
174	65.9	53.9	80.9
175	4.6	3.8	5.8

