

Data File : VL032658.D
Acq On : 18 Oct 2018 19:18
Operator : SY/AP
Sample : VSTDICC0.03
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDICC0.03

Quant Time: Oct 18 19:41:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LThu Oct 18 11:41:40 2018
QLast Update : Thu Oct 18 11:41:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1777565	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	4092865	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3974720	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2934442	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.23	85	8640	0.049	ppbv	99
3) Chlorodifluoromethane	3.02	51	6356	0.043	ppbv #	81
7) Chloroethane	3.61	64	1054	0.033	ppbv #	69
8) Dichlorotetrafluoroethane	3.23	85	8640	0.043	ppbv	91
9) Propene	3.05	41	1919	0.035	ppbv #	44
11) Trichlorofluoromethane	4.02	101	11329	0.050	ppbv	84
12) 1,1,2-Trichlorotrifluoroet	4.57	101	6242	0.037	ppbv #	72
15) Acetone	3.95	43	21732	0.137	ppbv #	82
16) 1,3-Butadiene	3.37	39	1884	0.032	ppbv #	1
20) Methylene Chloride	4.42	84	5449	0.077	ppbv #	57
26) Hexane	5.80	57	5561	0.033	ppbv #	5
39) 1,2-Dichloropropane	7.31	63	1040680	7.711	ppbv #	25

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

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Instrument :
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VSTDICC0.03

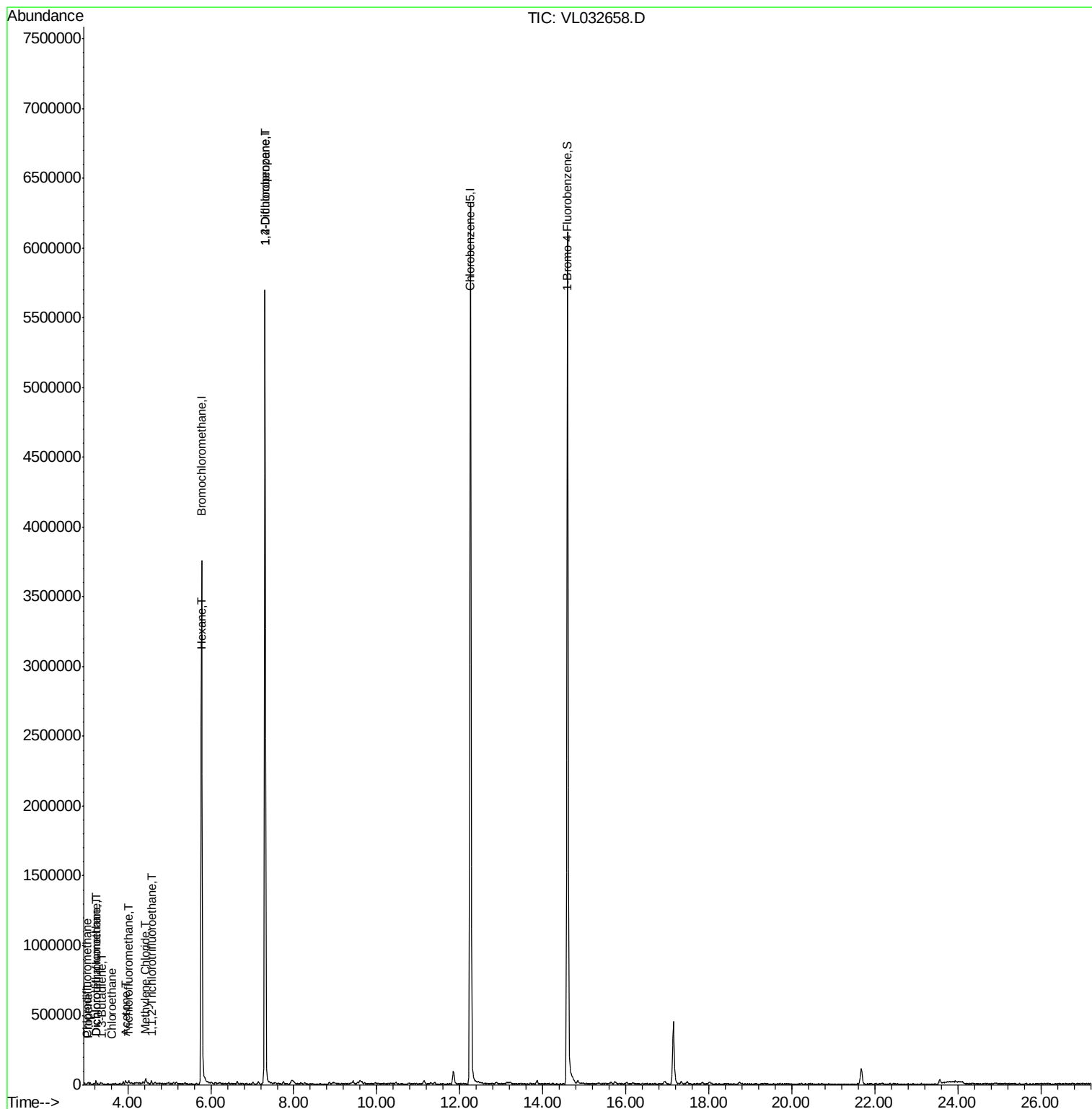
Quant Time: Oct 18 19:41:56 2018

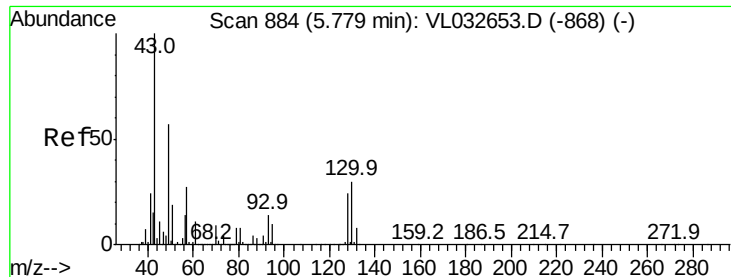
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL101818AIR.M

Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Oct 18 11:41:40 2018

QLast Update : Thu Oct 18 11:41:40 2018

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 883

Delta R.T. -0.00 min

Lab File: VL032658.D

Acq: 18 Oct 2018 19:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

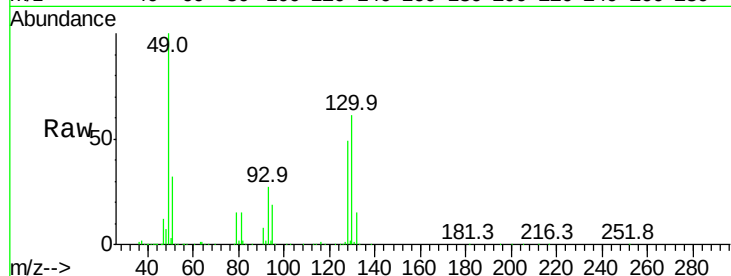
Tgt Ion: 49 Resp: 1777565

Ion Ratio Lower Upper

49 100

128 49.4 22.3 66.8

130 62.2 28.4 85.3



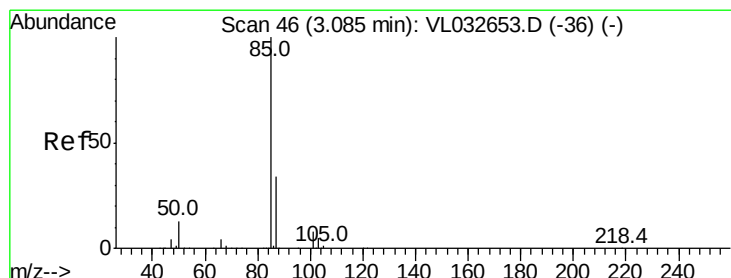
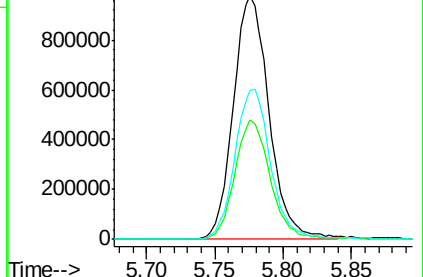
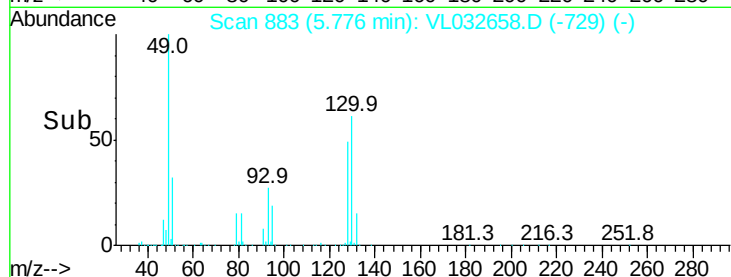
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.78

Time-->



#2

Dichlorodifluoromethane

Concen: 0.049 ppbv

RT: 3.23 min Scan# 92

Delta R.T. 0.15 min

Lab File: VL032658.D

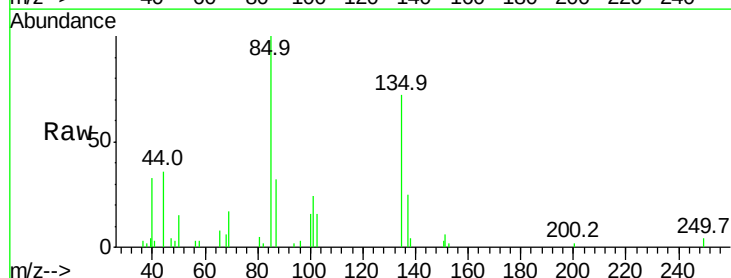
Acq: 18 Oct 2018 19:18

Tgt Ion: 85 Resp: 8640

Ion Ratio Lower Upper

85 100

87 31.9 26.2 39.2

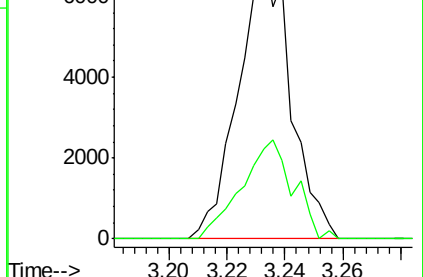
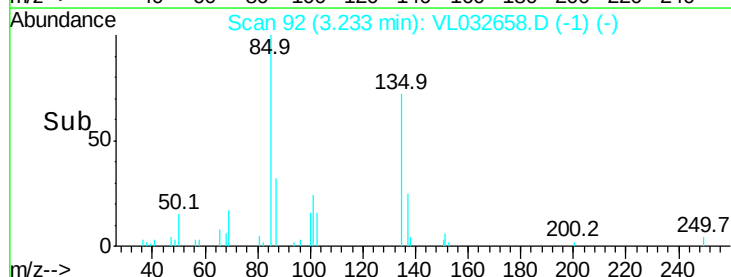


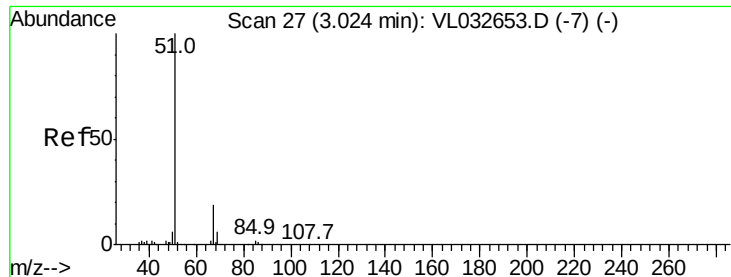
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.23

Time-->

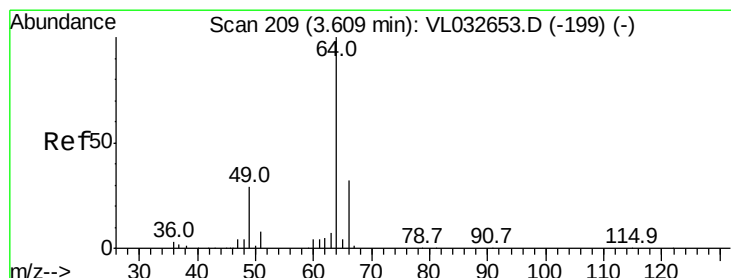
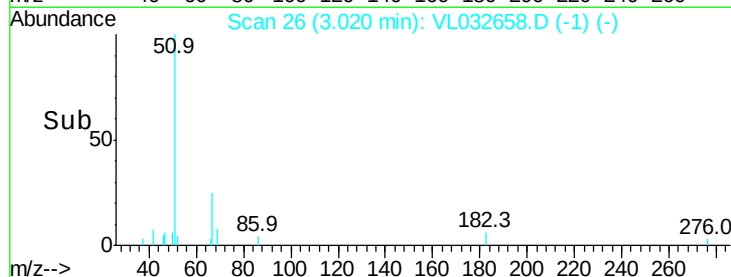
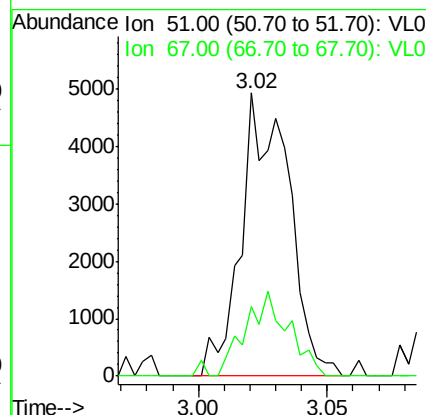
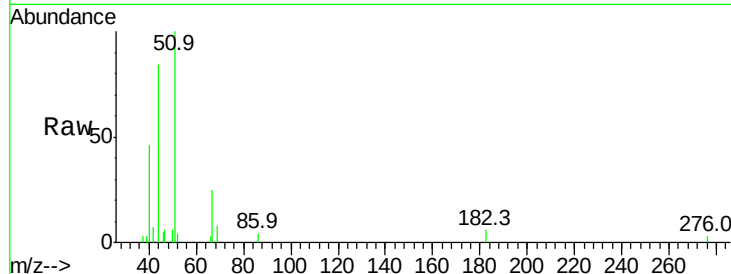




#3
Chlorodifluoromethane
Concen: 0.043 ppbv
RT: 3.02 min Scan# 26
Delta R.T. -0.00 min
Lab File: VL032658.D
Acq: 18 Oct 2018 19:18

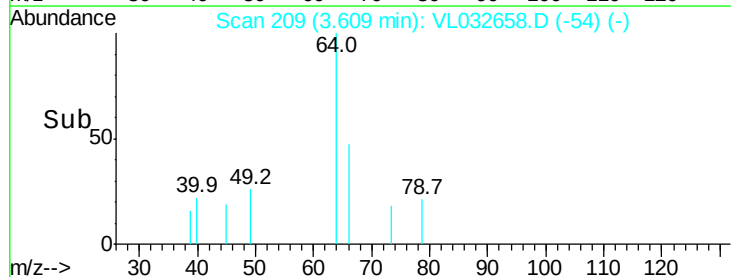
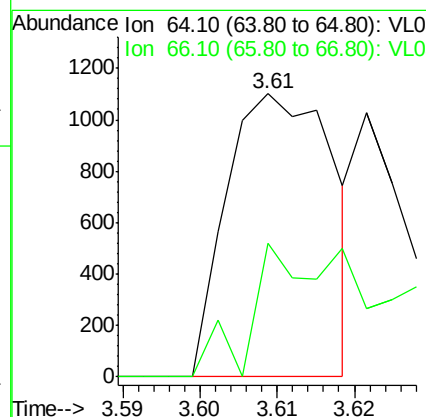
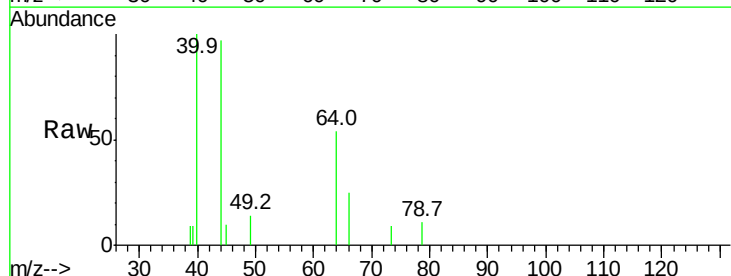
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

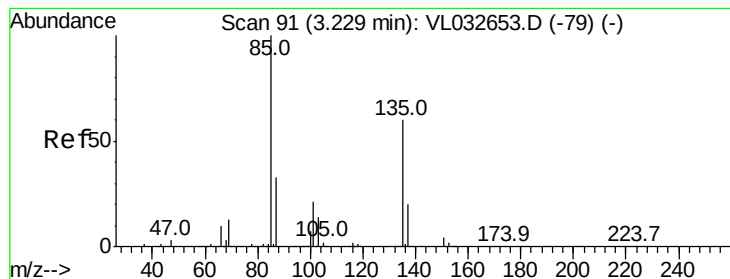
Tgt Ion: 51 Resp: 6356
Ion Ratio Lower Upper
51 100
67 27.8 15.2 22.8#



#7
Chloroethane
Concen: 0.033 ppbv
RT: 3.61 min Scan# 209
Delta R.T. -0.00 min
Lab File: VL032658.D
Acq: 18 Oct 2018 19:18

Tgt Ion: 64 Resp: 1054
Ion Ratio Lower Upper
64 100
66 47.2 24.4 36.6#





#8

Dichlorotetrafluoroethane

Concen: 0.043 ppbv

RT: 3.23 min Scan# 92

Delta R.T. 0.00 min

Lab File: VL032658.D

Acq: 18 Oct 2018 19:18

Instrument :

MSVOA_L

ClientSampleId :

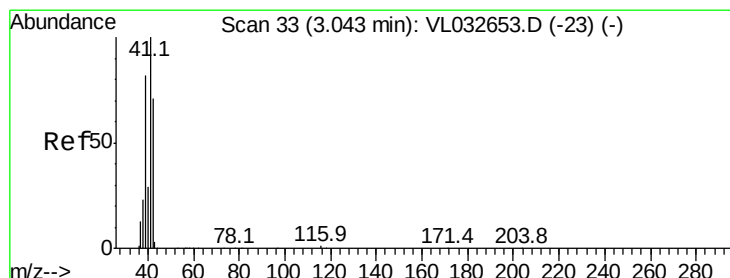
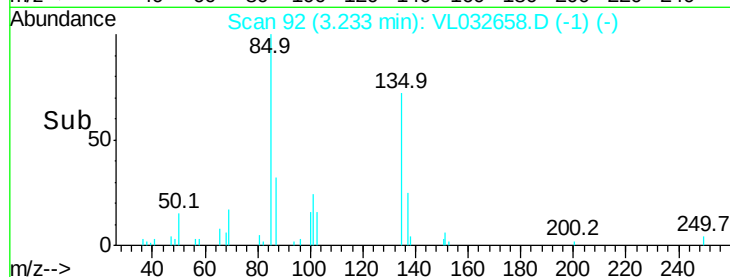
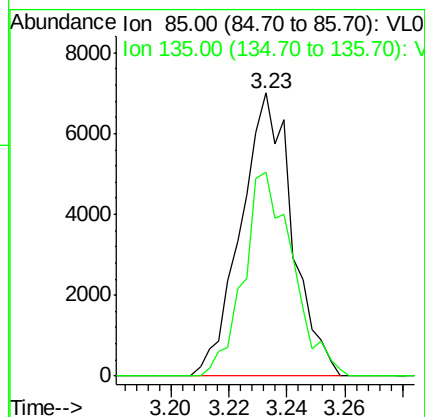
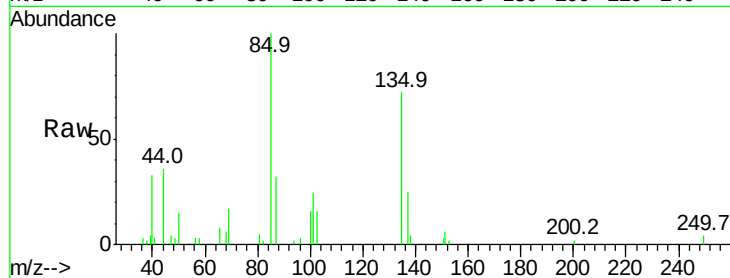
VSTDIC0.03

Tgt Ion: 85 Resp: 8640

Ion Ratio Lower Upper

85 100

135 68.3 49.0 73.4



#9

Propene

Concen: 0.035 ppbv

RT: 3.05 min Scan# 34

Delta R.T. 0.00 min

Lab File: VL032658.D

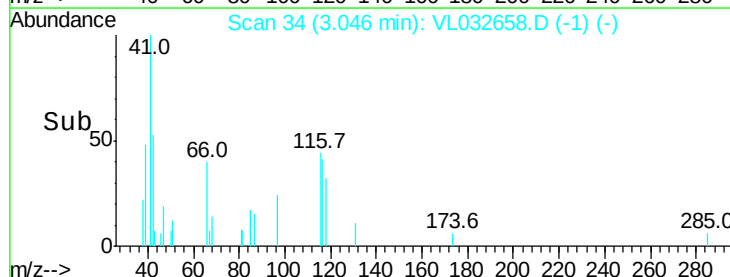
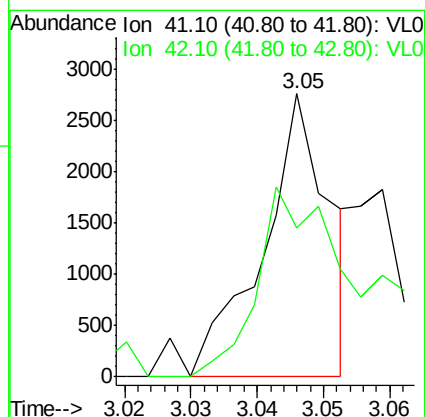
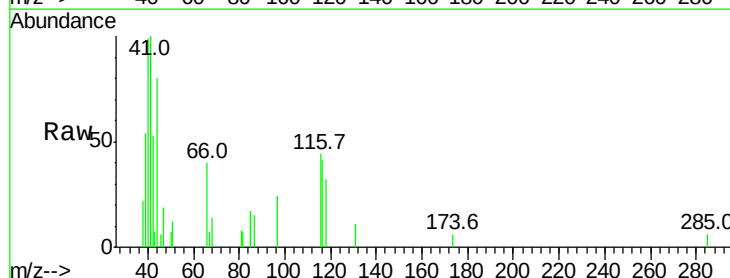
Acq: 18 Oct 2018 19:18

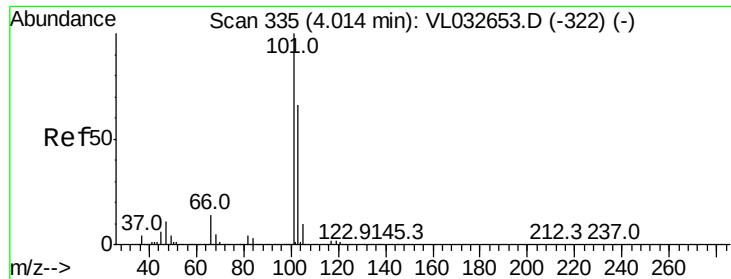
Tgt Ion: 41 Resp: 1919

Ion Ratio Lower Upper

41 100

42 114.6 55.4 83.0#

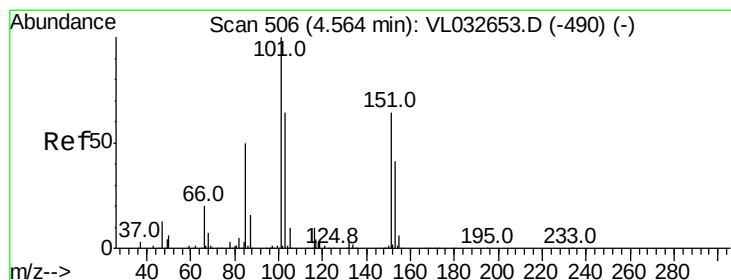
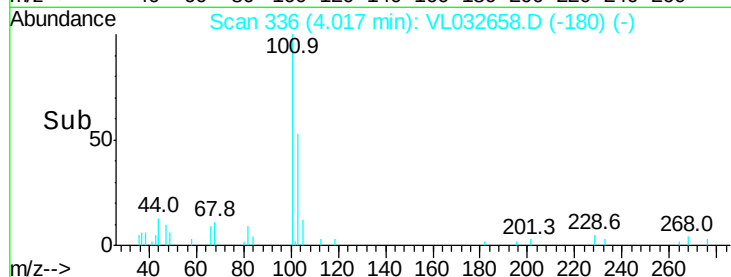
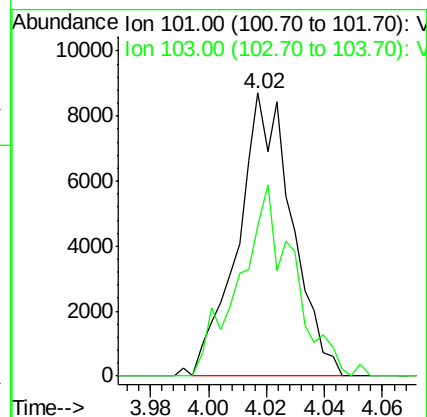
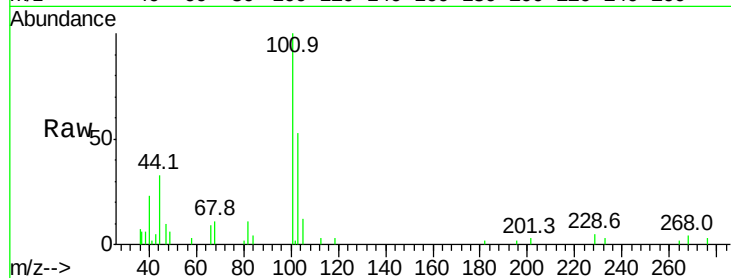




#11
 Trichlorofluoromethane
 Concen: 0.050 ppbv
 RT: 4.02 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VL032658.D
 Acq: 18 Oct 2018 19:18

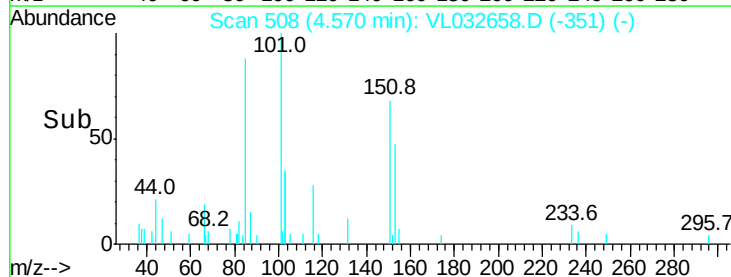
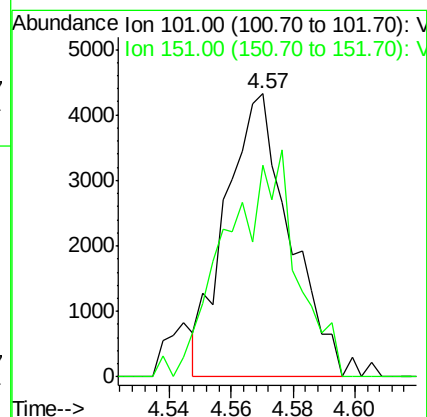
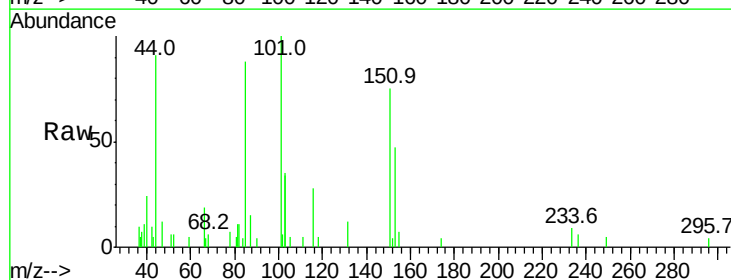
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.03

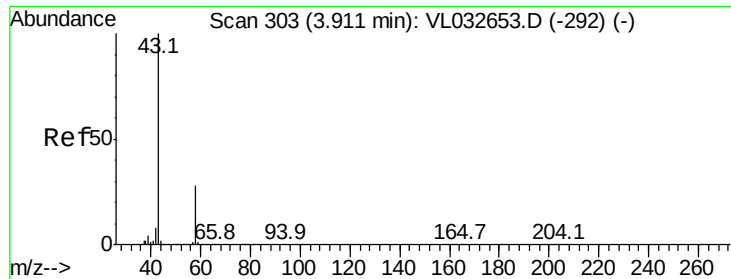
Tgt Ion:101 Resp: 11329
 Ion Ratio Lower Upper
 101 100
 103 52.1 51.4 77.2



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.037 ppbv
 RT: 4.57 min Scan# 508
 Delta R.T. 0.01 min
 Lab File: VL032658.D
 Acq: 18 Oct 2018 19:18

Tgt Ion:101 Resp: 6242
 Ion Ratio Lower Upper
 101 100
 151 87.4 52.3 78.5#





#15

Acetone

Concen: 0.137 ppbv

RT: 3.95 min Scan# 314

Delta R.T. 0.04 min

Lab File: VL032658.D

Acq: 18 Oct 2018 19:18

Instrument :

MSVOA_L

ClientSampleId :

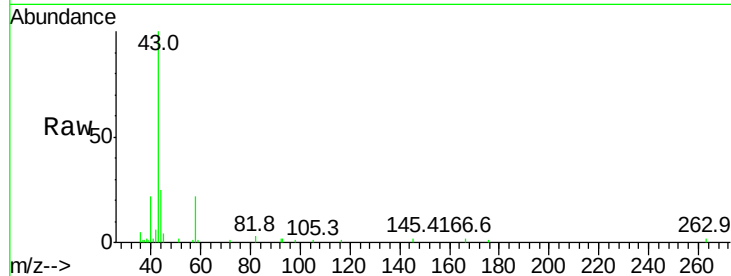
VSTDIC0.03

Tgt Ion: 43 Resp: 21732

Ion Ratio Lower Upper

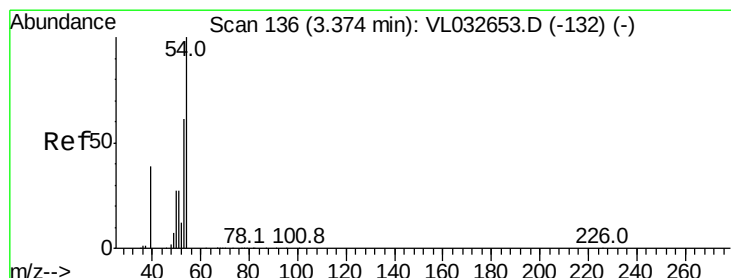
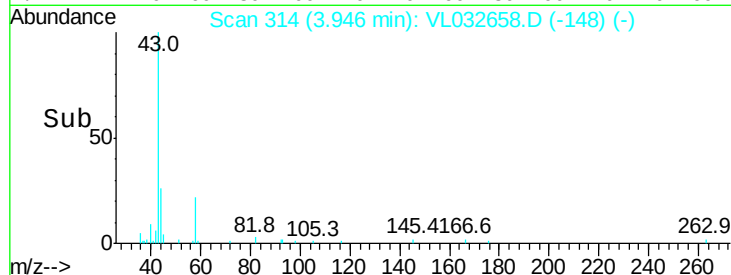
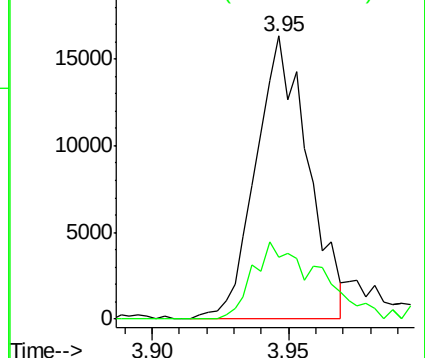
43 100

58 36.9 22.1 33.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.032 ppbv

RT: 3.37 min Scan# 136

Delta R.T. -0.00 min

Lab File: VL032658.D

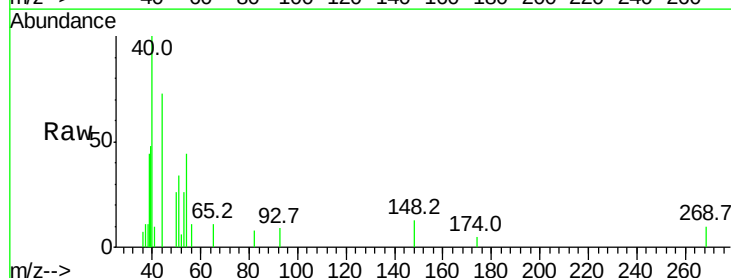
Acq: 18 Oct 2018 19:18

Tgt Ion: 39 Resp: 1884

Ion Ratio Lower Upper

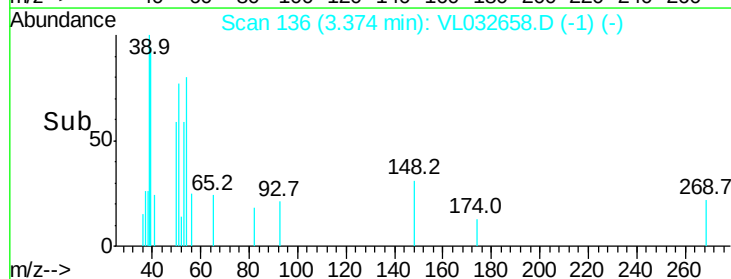
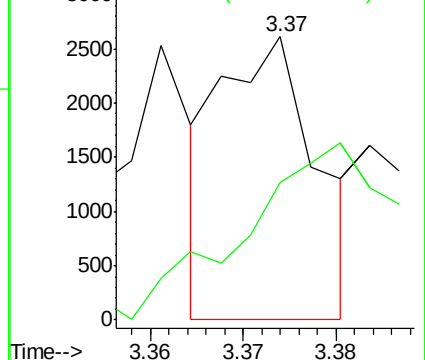
39 100

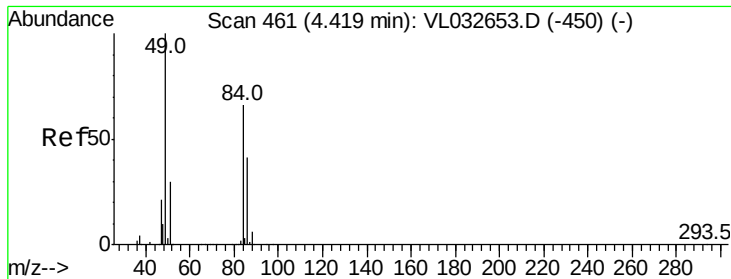
54 0.0 90.4 135.6#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

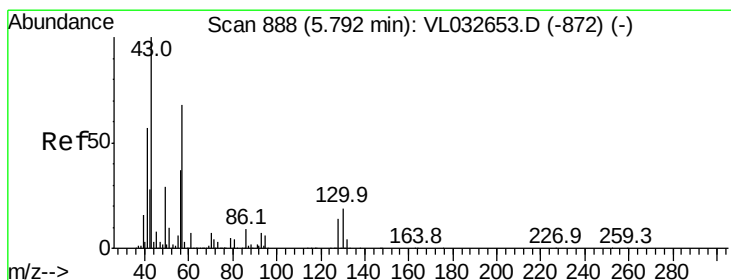
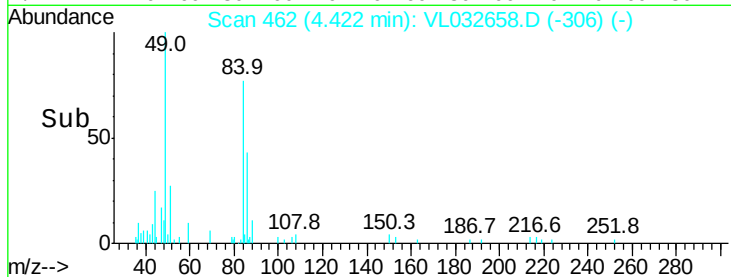
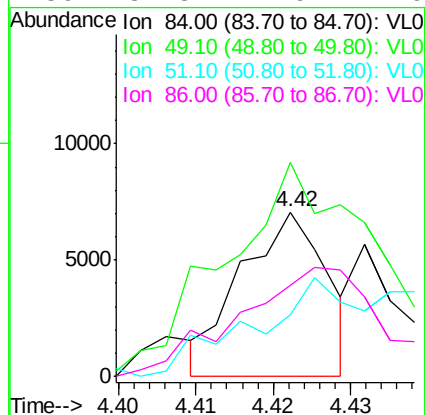
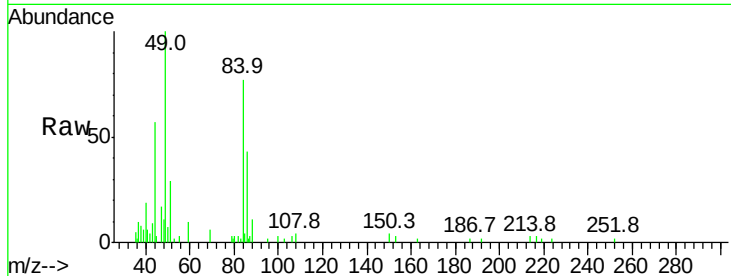




#20
Methylene Chloride
Concen: 0.077 ppbv
RT: 4.42 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL032658.D
Acq: 18 Oct 2018 19:18

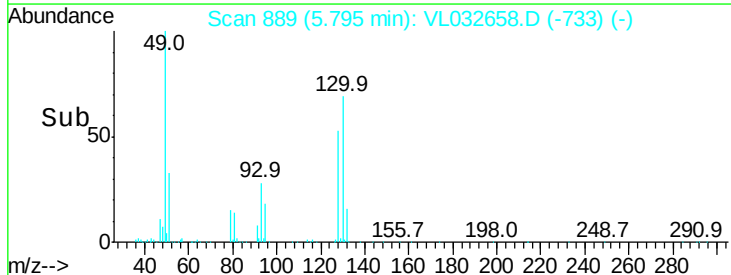
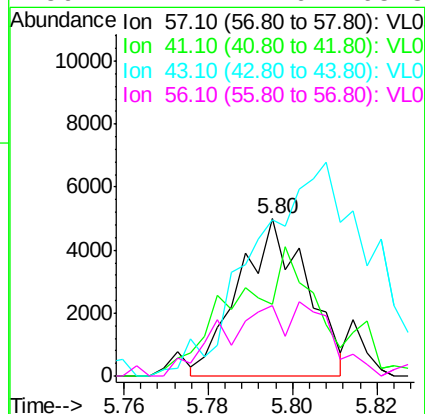
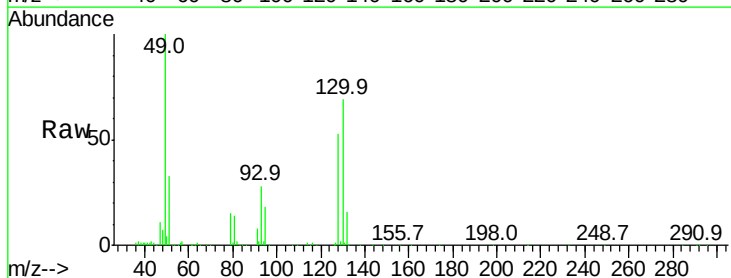
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.03

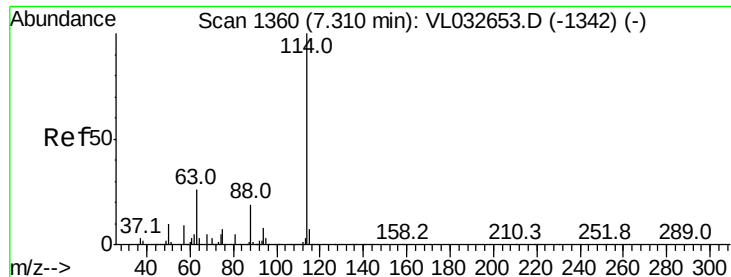
Tgt Ion:	84	Resp:	5449
Ion	Ratio	Lower	Upper
84	100		
49	81.0	113.5	170.3#
51	16.2	34.8	52.2#
86	37.8	47.9	71.9#



#26
Hexane
Concen: 0.033 ppbv
RT: 5.80 min Scan# 889
Delta R.T. 0.00 min
Lab File: VL032658.D
Acq: 18 Oct 2018 19:18

Tgt Ion:	57	Resp:	5561
Ion	Ratio	Lower	Upper
57	100		
41	116.2	67.4	101.0#
43	0.0	171.9	257.9#
56	72.2	42.6	63.8#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.31 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VL032658.D

Acq: 18 Oct 2018 19:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

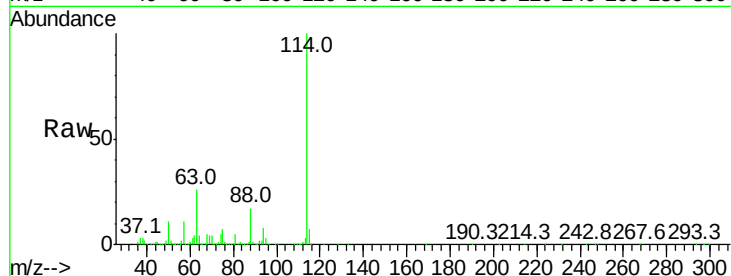
Tgt Ion:114 Resp: 4092865

Ion Ratio Lower Upper

114 100

63 25.6 21.7 32.5

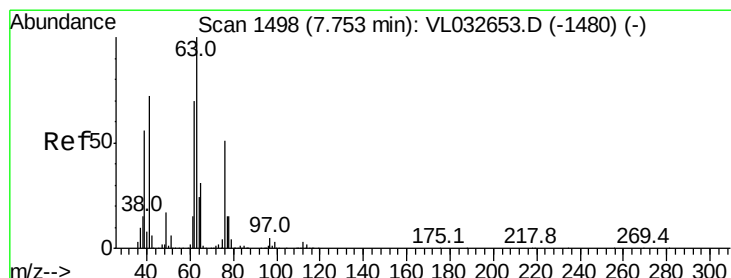
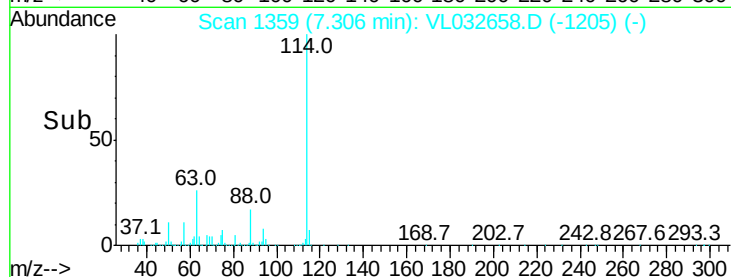
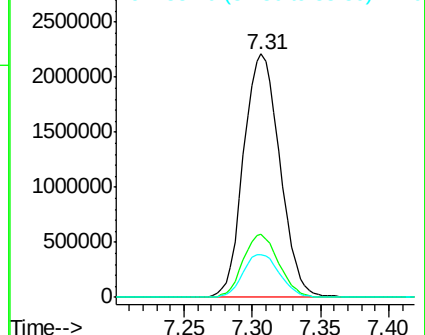
88 17.8 14.9 22.3



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: 7.711 ppbv

RT: 7.31 min Scan# 1359

Delta R.T. -0.45 min

Lab File: VL032658.D

Acq: 18 Oct 2018 19:18

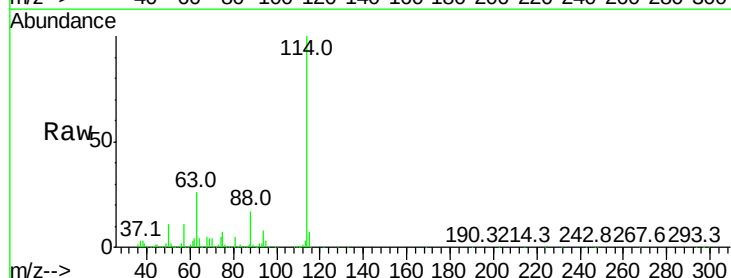
Tgt Ion: 63 Resp: 1040680

Ion Ratio Lower Upper

63 100

41 0.0 56.2 84.4#

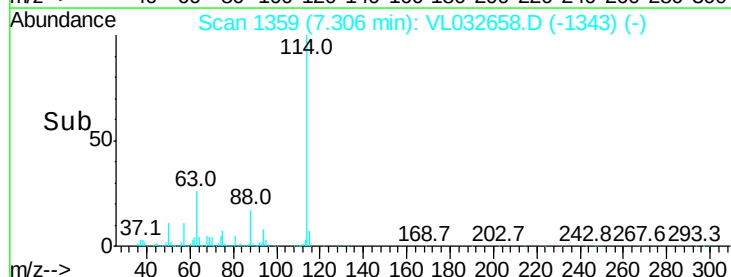
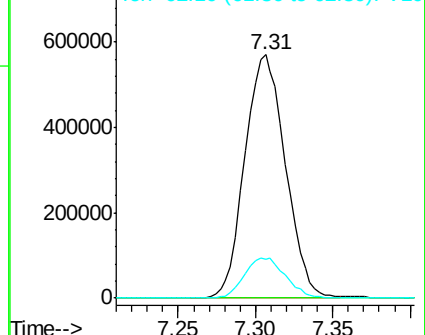
62 15.9 54.4 81.6#

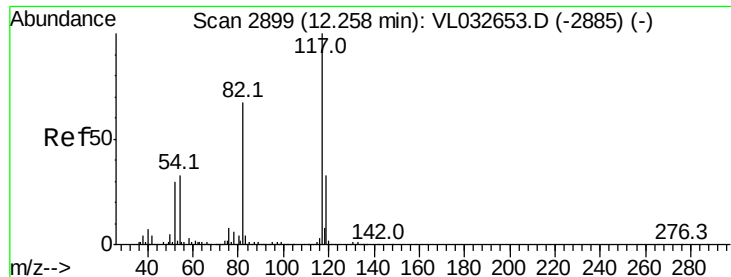


Abundance Ion 63.10 (62.80 to 63.80): VL0

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: 12.25 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VL032658.D

Acq: 18 Oct 2018 19:18

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.03

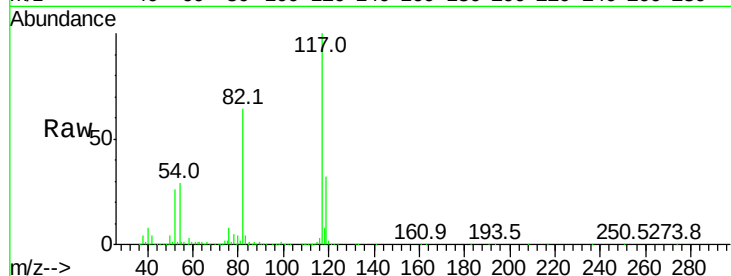
Tgt Ion:117 Resp: 3974720

Ion Ratio Lower Upper

117 100

82 64.7 52.7 79.1

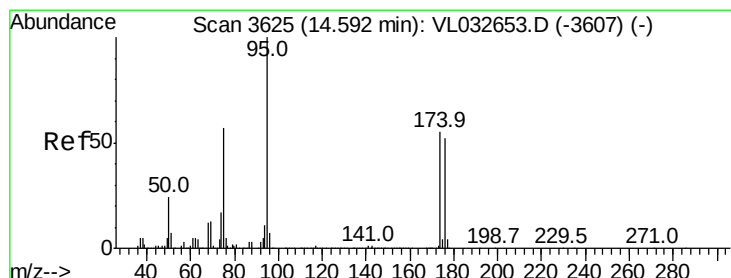
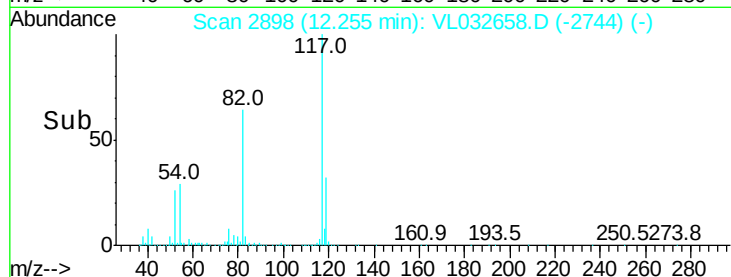
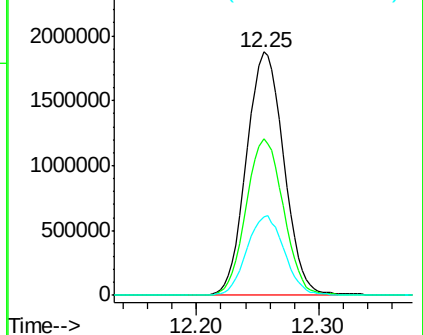
119 33.0 26.7 40.1



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: 9.805 ppbv

RT: 14.59 min Scan# 3625

Delta R.T. -0.00 min

Lab File: VL032658.D

Acq: 18 Oct 2018 19:18

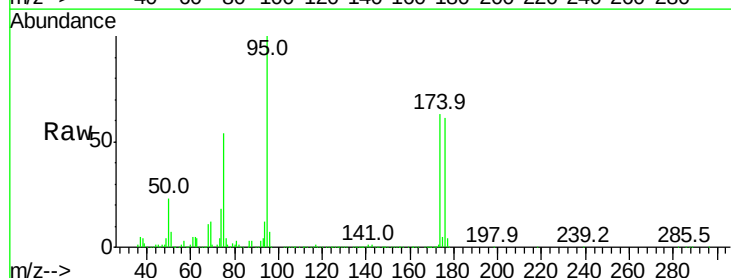
Tgt Ion: 95 Resp: 2934442

Ion Ratio Lower Upper

95 100

174 65.2 46.0 69.0

175 4.7 3.4 5.0



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

