

Data File : VL032670.D
Acq On : 19 Oct 2018 5:42
Operator : SY/AP
Sample : J5581-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
A-1DL

Quant Time: Oct 19 07:57:27 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Oct 19 01:25:37 2018
QLast Update : Fri Oct 19 01:25:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1533311	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3785157	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3709626	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2752061	9.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

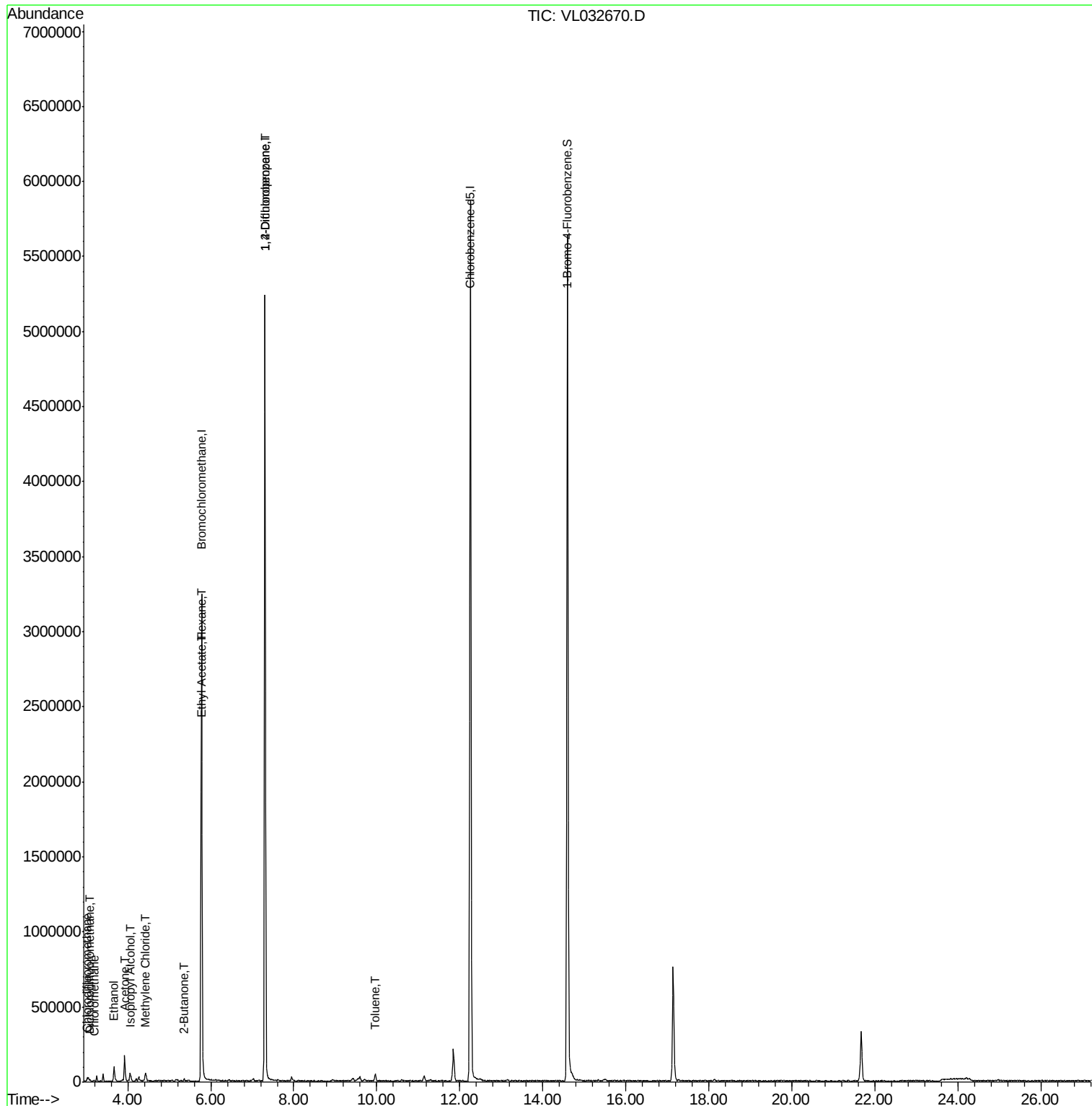
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	9922	0.064	ppbv #	86
3) Chlorodifluoromethane	3.02	51	25982	0.217	ppbv	98
4) Chloromethane	3.18	50	4041	0.060	ppbv	100
13) Ethanol	3.67	45	107678	7.634	ppbv	94
15) Acetone	3.92	43	168588	1.191	ppbv	98
19) Isopropyl Alcohol	4.06	45	66334	0.658	ppbv #	92
20) Methylene Chloride	4.42	84	15818	0.220	ppbv #	91
25) Ethyl Acetate	5.80	43	21124	0.065	ppbv #	95
26) Hexane	5.79	57	15583	0.101	ppbv #	64
34) 2-Butanone	5.36	43	9831	0.048	ppbv #	84
39) 1,2-Dichloropropane	7.30	63	941697	7.934	ppbv #	25
53) Toluene	9.96	91	12849	0.036	ppbv #	6

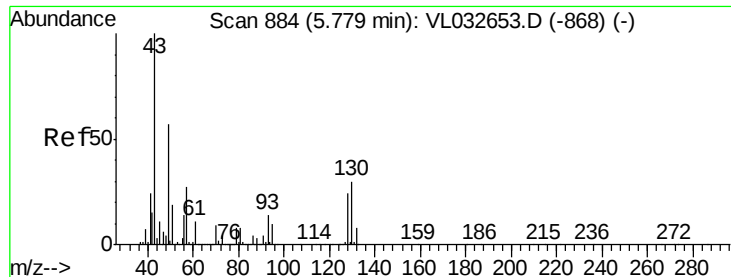
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.78 min Scan# 883

Delta R.T. -0.00 min

Lab File: VL032670.D

Acq: 19 Oct 2018 5:42

Instrument :

MSVOA_L

ClientSampleId :

A-1DL

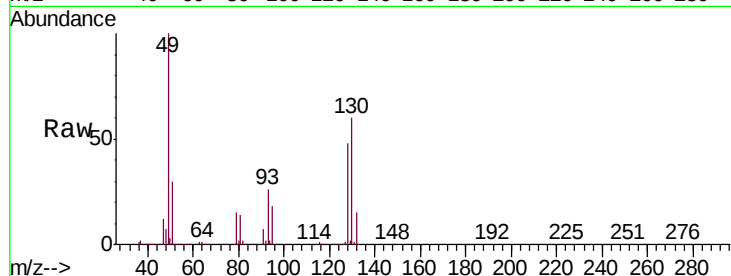
Tgt Ion: 49 Resp: 1533311

Ion Ratio Lower Upper

49 100

128 48.7 22.3 66.8

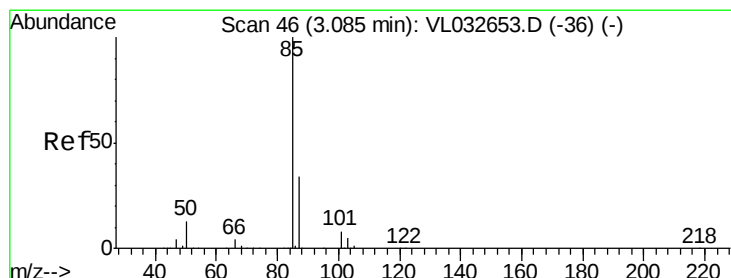
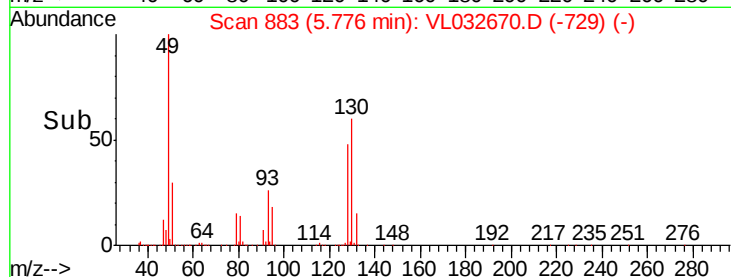
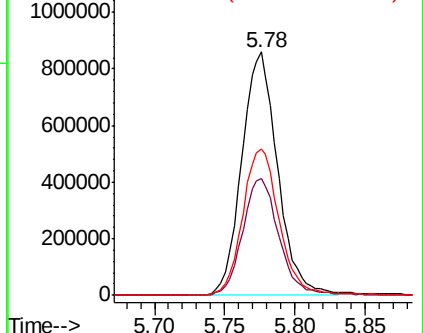
130 61.9 28.4 85.3



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: 0.064 ppbv

RT: 3.08 min Scan# 46

Delta R.T. -0.00 min

Lab File: VL032670.D

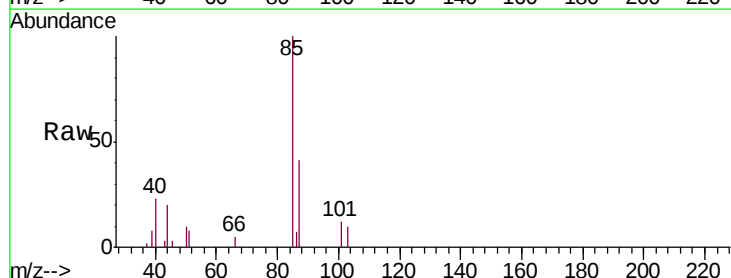
Acq: 19 Oct 2018 5:42

Tgt Ion: 85 Resp: 9922

Ion Ratio Lower Upper

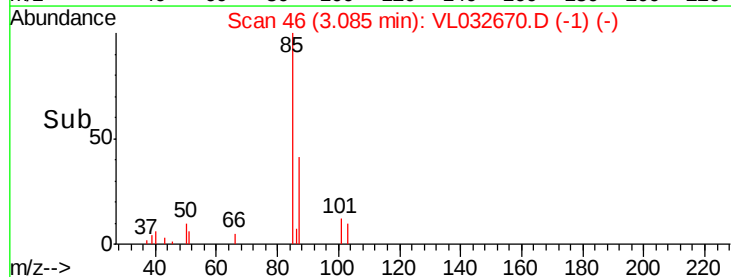
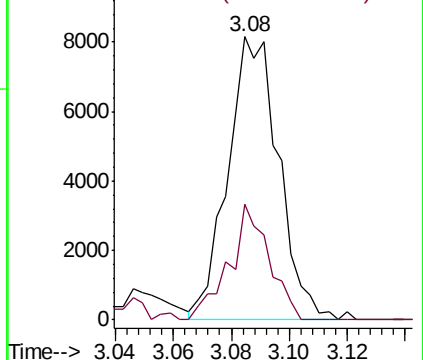
85 100

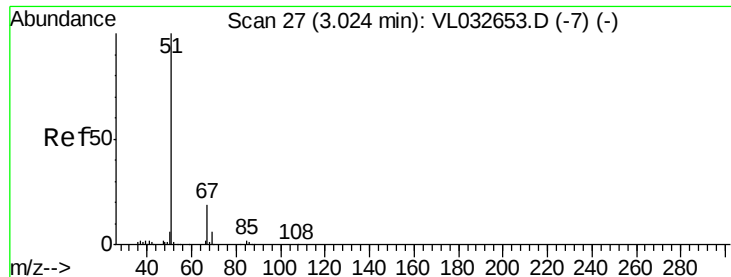
87 40.7 26.2 39.2#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

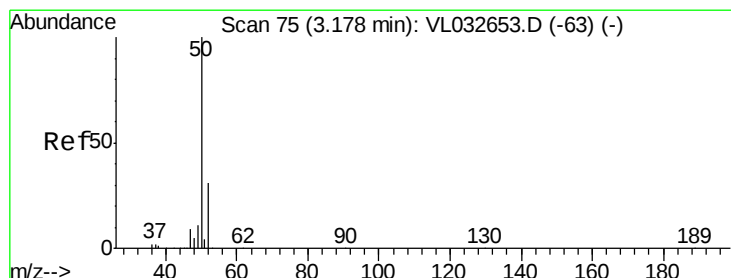
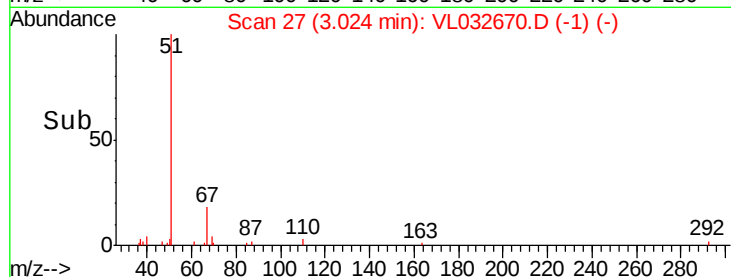
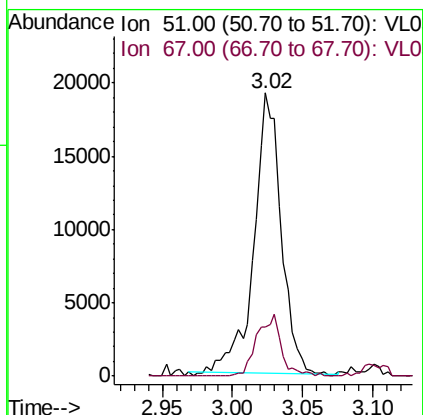
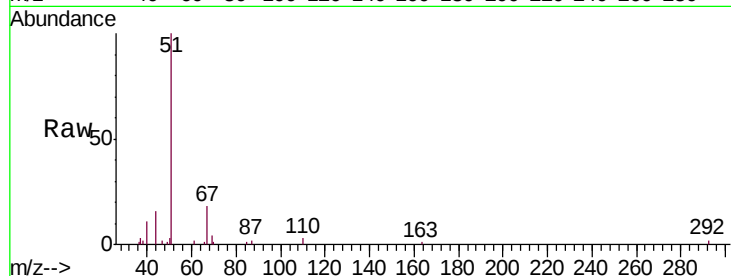




#3
Chlorodifluoromethane
Concen: 0.217 ppbv
RT: 3.02 min Scan# 27
Delta R.T. -0.00 min
Lab File: VL032670.D
Acq: 19 Oct 2018 5:42

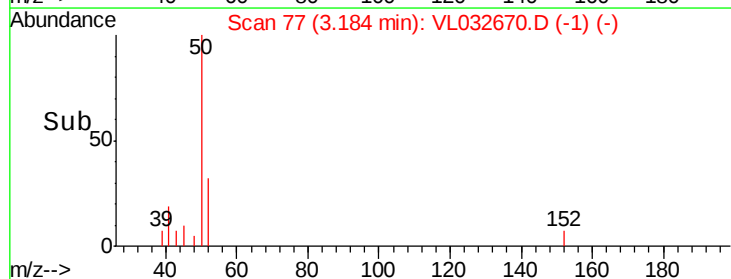
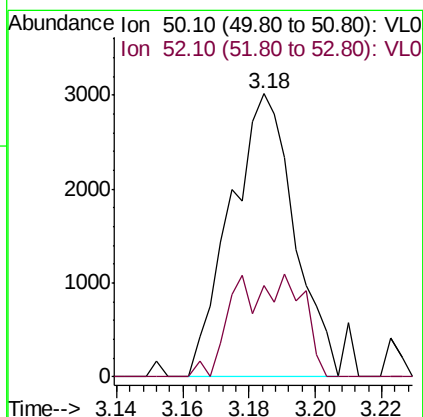
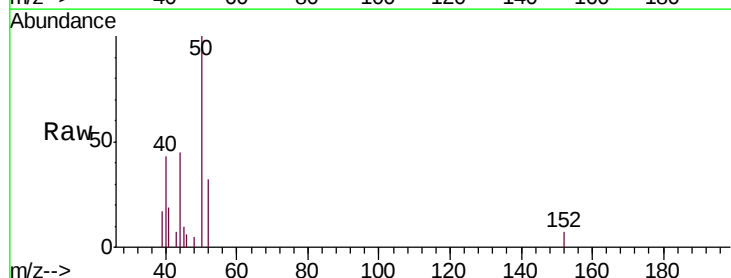
Instrument :
MSVOA_L
ClientSampleId :
A-1DL

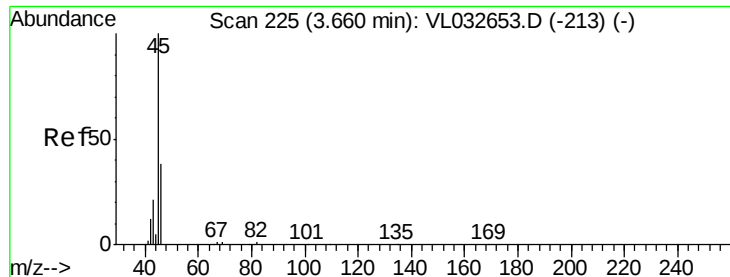
Tgt Ion: 51 Resp: 25982
Ion Ratio Lower Upper
51 100
67 19.9 15.2 22.8



#4
Chloromethane
Concen: 0.060 ppbv
RT: 3.18 min Scan# 77
Delta R.T. 0.01 min
Lab File: VL032670.D
Acq: 19 Oct 2018 5:42

Tgt Ion: 50 Resp: 4041
Ion Ratio Lower Upper
50 100
52 32.4 25.9 38.9





#13

Ethanol

Concen: 7.634 ppbv

RT: 3.67 min Scan# 228

Delta R.T. 0.01 min

Lab File: VL032670.D

Acq: 19 Oct 2018 5:42

Instrument :

MSVOA_L

ClientSampled :

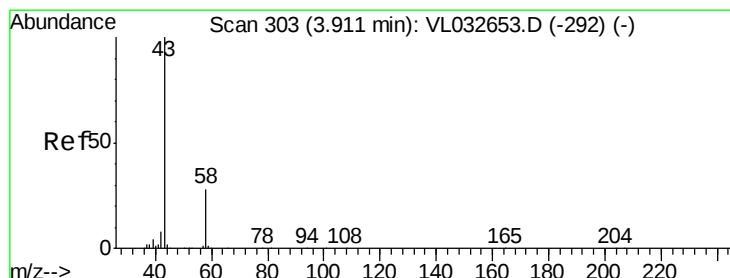
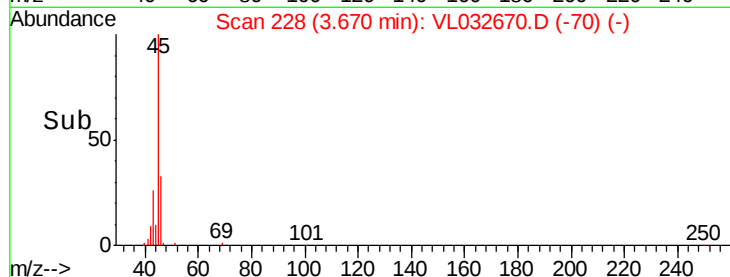
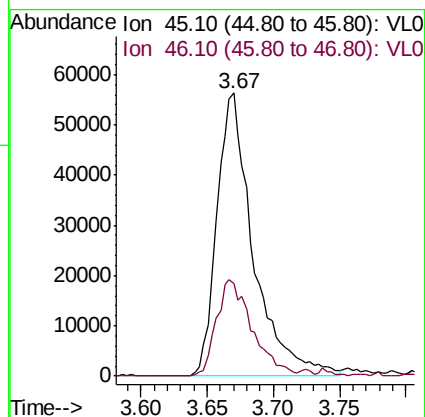
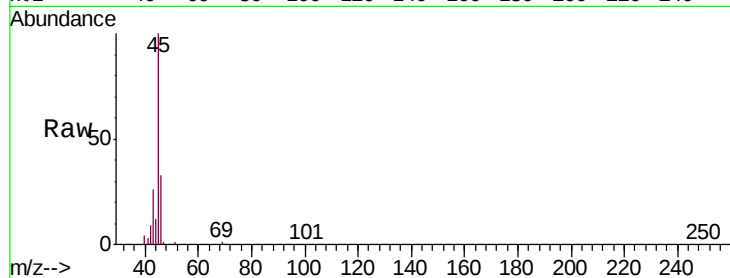
A-1DL

Tgt Ion: 45 Resp: 107678

Ion Ratio Lower Upper

45 100

46 35.0 15.4 61.8



#15

Acetone

Concen: 1.191 ppbv

RT: 3.92 min Scan# 306

Delta R.T. 0.01 min

Lab File: VL032670.D

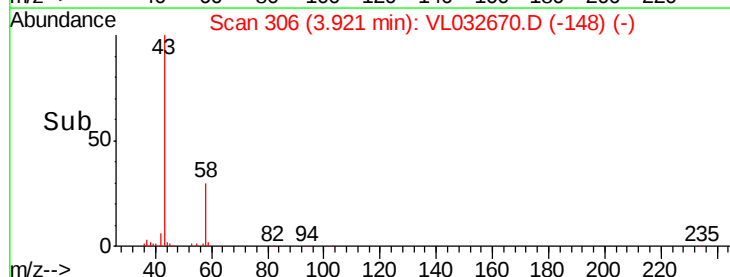
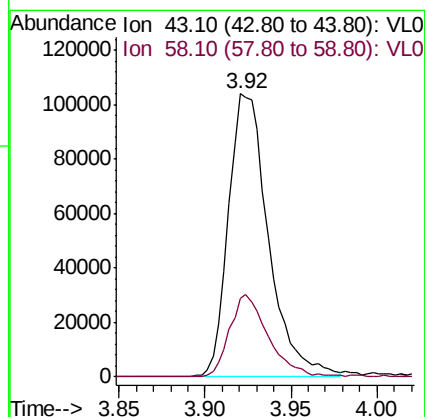
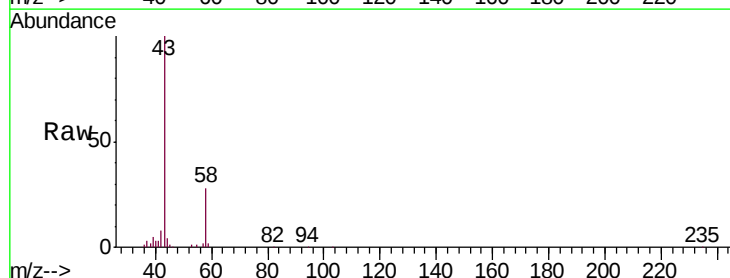
Acq: 19 Oct 2018 5:42

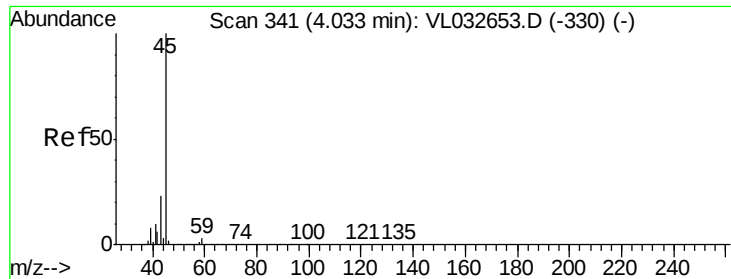
Tgt Ion: 43 Resp: 168588

Ion Ratio Lower Upper

43 100

58 28.5 22.1 33.1





#19

Isopropyl Alcohol

Concen: 0.658 ppbv

RT: 4.06 min Scan# 348

Delta R.T. 0.02 min

Lab File: VL032670.D

Acq: 19 Oct 2018 5:42

Instrument :

MSVOA_L

ClientSampleId :

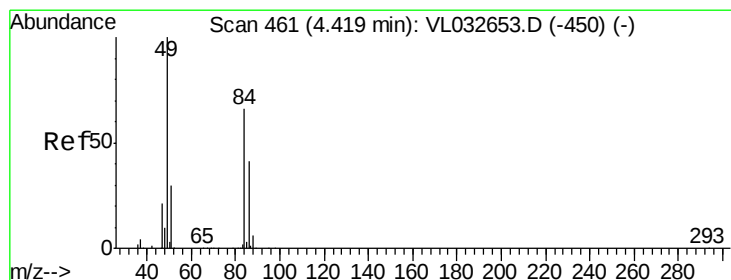
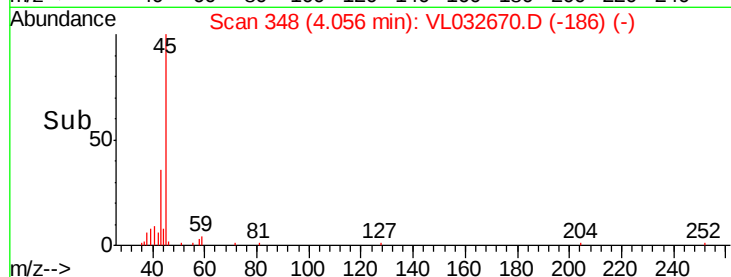
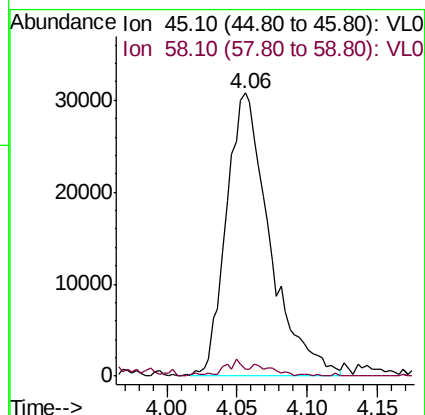
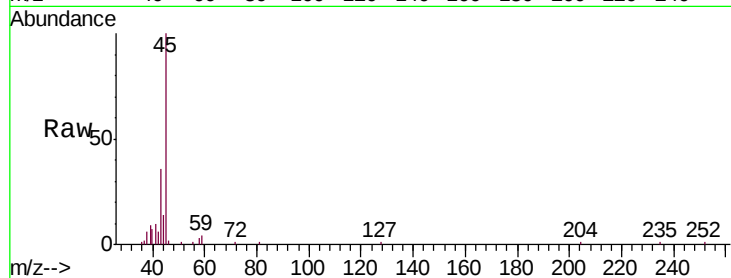
A-1DL

Tgt Ion: 45 Resp: 66334

Ion Ratio Lower Upper

45 100

58 5.1 2.0 3.0#



#20

Methylene Chloride

Concen: 0.220 ppbv

RT: 4.42 min Scan# 462

Delta R.T. 0.00 min

Lab File: VL032670.D

Acq: 19 Oct 2018 5:42

Tgt Ion: 84 Resp: 15818

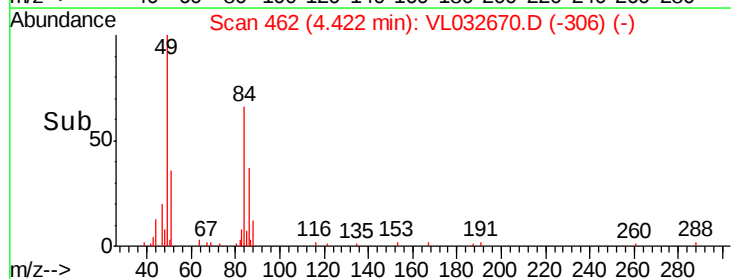
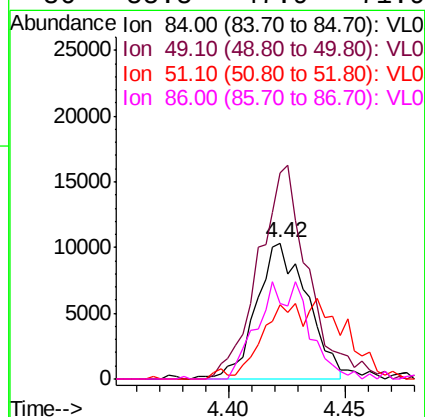
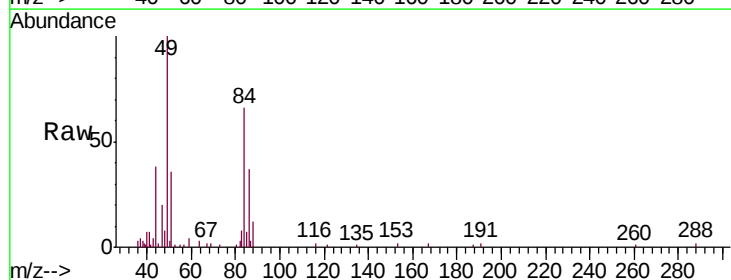
Ion Ratio Lower Upper

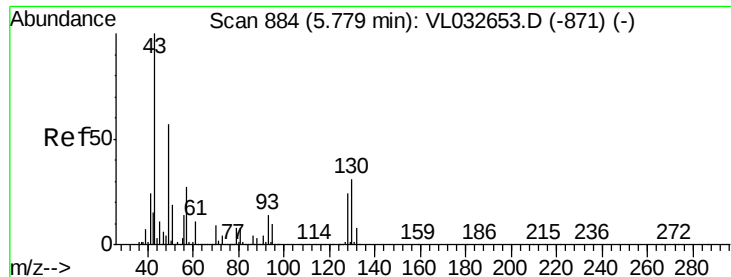
84 100

49 151.0 113.5 170.3

51 54.9 34.8 52.2#

86 55.5 47.9 71.9

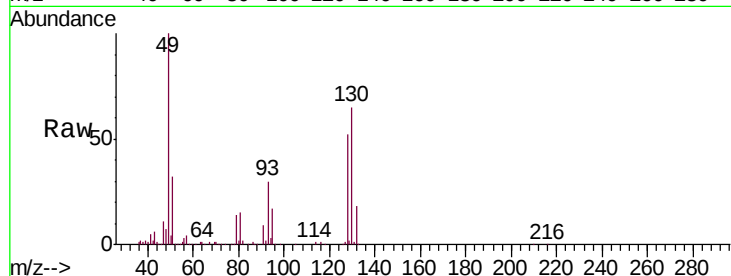




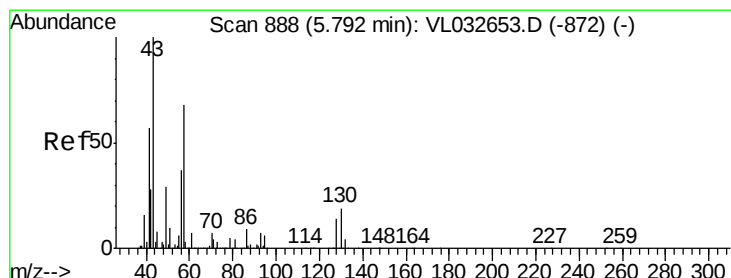
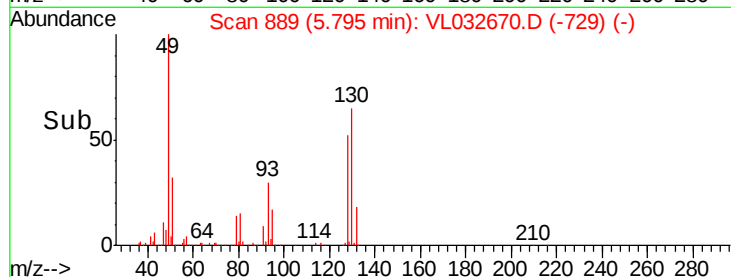
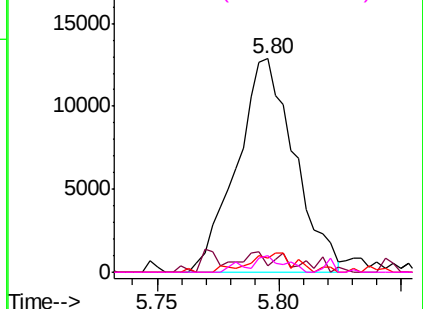
#25
Ethyl Acetate
Concen: 0.065 ppbv
RT: 5.80 min Scan# 889
Delta R.T. 0.02 min
Lab File: VL032670.D
Acq: 19 Oct 2018 5:42

Instrument :
MSVOA_L
ClientSampleId :
A-1DL

Tgt Ion:	43	Resp:	21124
Ion	Ratio	Lower	Upper
43	100		
45	11.9	8.0	12.0
61	7.6	8.0	12.0#
70	6.1	5.9	8.9

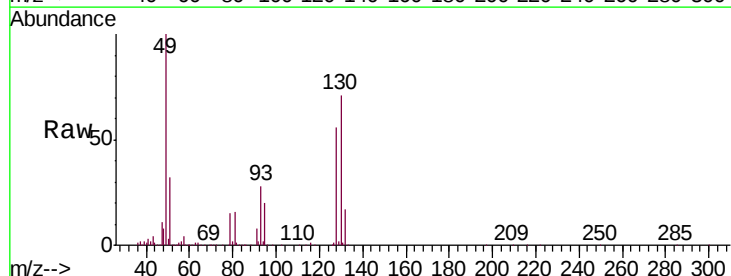


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

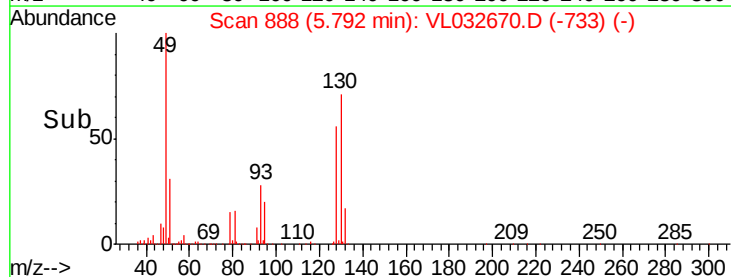
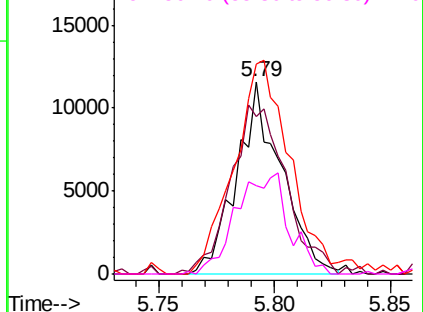


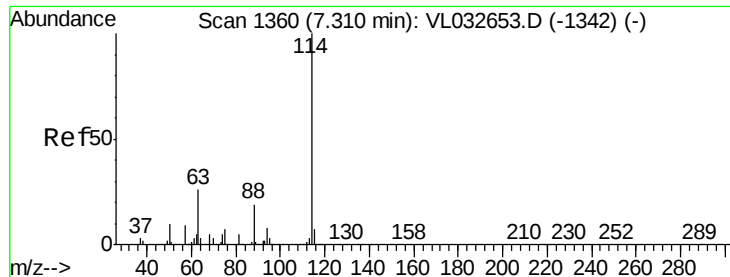
#26
Hexane
Concen: 0.101 ppbv
RT: 5.79 min Scan# 888
Delta R.T. -0.00 min
Lab File: VL032670.D
Acq: 19 Oct 2018 5:42

Tgt Ion:	57	Resp:	15583
Ion	Ratio	Lower	Upper
57	100		
41	109.2	67.4	101.0#
43	142.8	171.9	257.9#
56	62.1	42.6	63.8



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

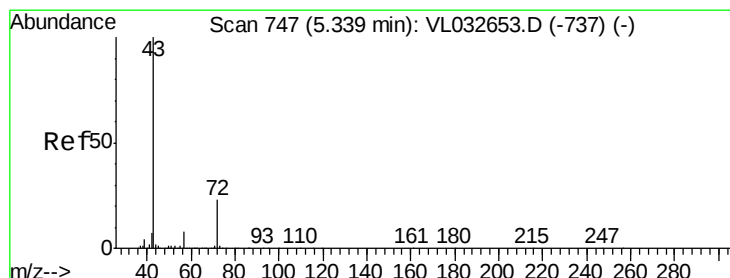
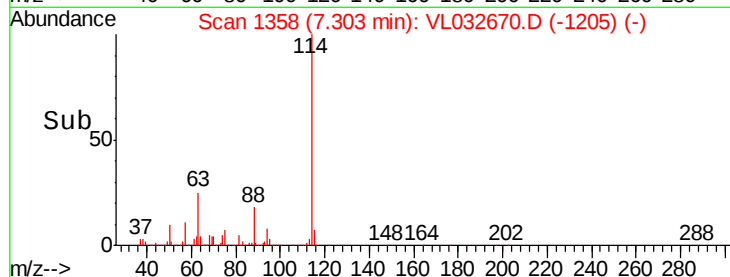
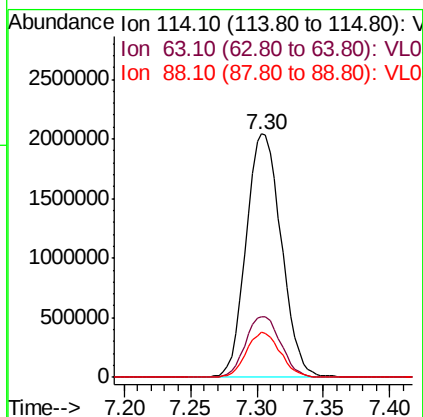
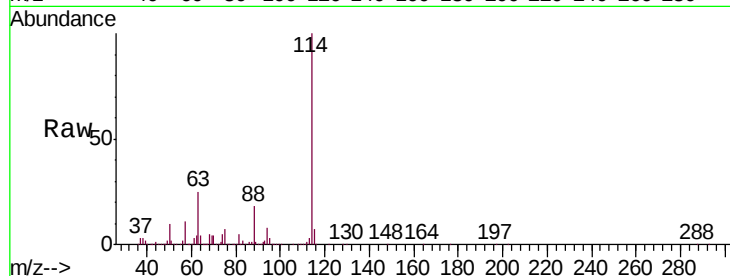




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1358
 Delta R.T. -0.01 min
 Lab File: VL032670.D
 Acq: 19 Oct 2018 5:42

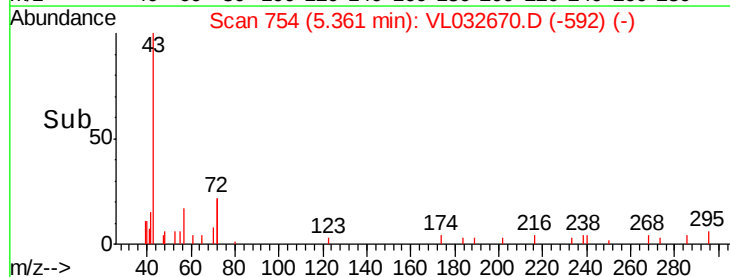
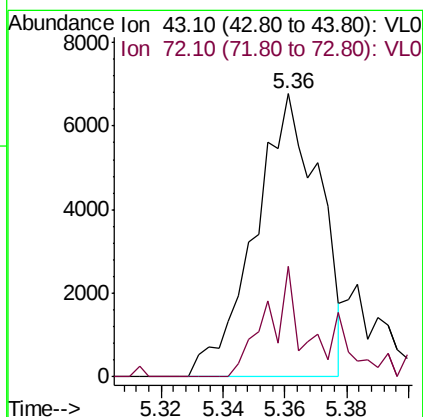
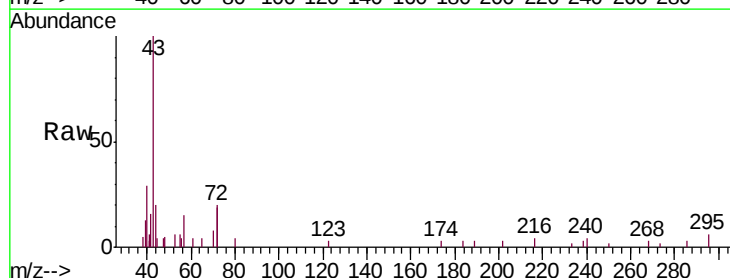
Instrument :
 MSVOA_L
 ClientSampleID :
 A-1DL

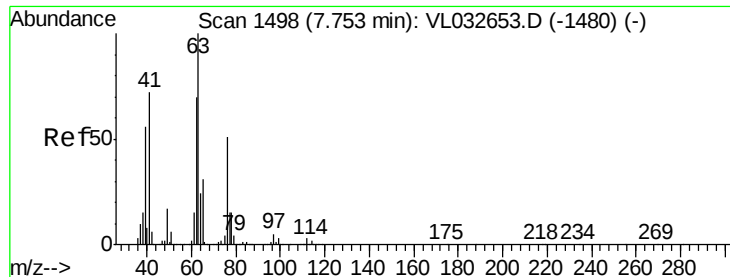
Tgt Ion: 114 Resp: 3785157
 Ion Ratio Lower Upper
 114 100
 63 25.1 21.7 32.5
 88 17.9 14.9 22.3



#34
 2-Butanone
 Concen: 0.048 ppbv
 RT: 5.36 min Scan# 754
 Delta R.T. 0.02 min
 Lab File: VL032670.D
 Acq: 19 Oct 2018 5:42

Tgt Ion: 43 Resp: 9831
 Ion Ratio Lower Upper
 43 100
 72 31.1 18.6 27.8#





#39

1,2-Dichloropropane

Concen: 7.934 ppbv

RT: 7.30 min Scan# 1358

Delta R.T. -0.45 min

Lab File: VL032670.D

Acq: 19 Oct 2018 5:42

Instrument :

MSVOA_L

ClientSampleId :

A-1DL

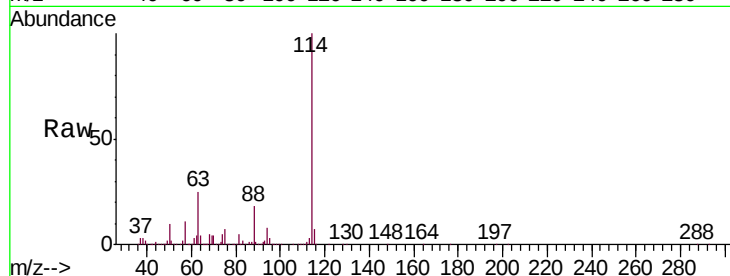
Tgt Ion: 63 Resp: 941697

Ion Ratio Lower Upper

63 100

41 0.1 56.2 84.4#

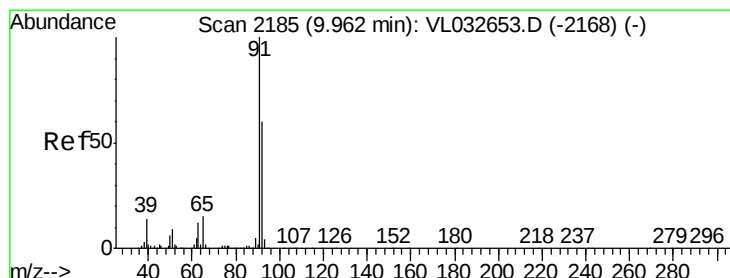
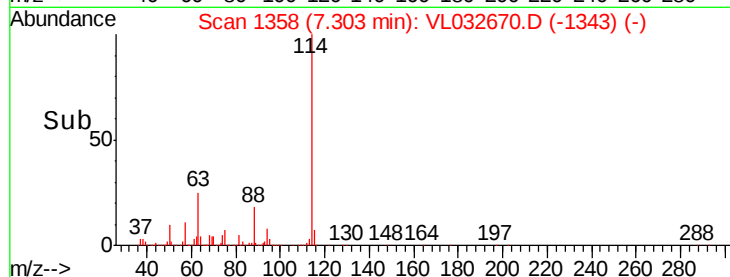
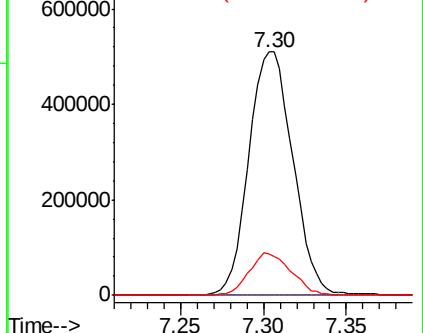
62 16.8 54.4 81.6#



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



#53

Toluene

Concen: 0.036 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. -0.01 min

Lab File: VL032670.D

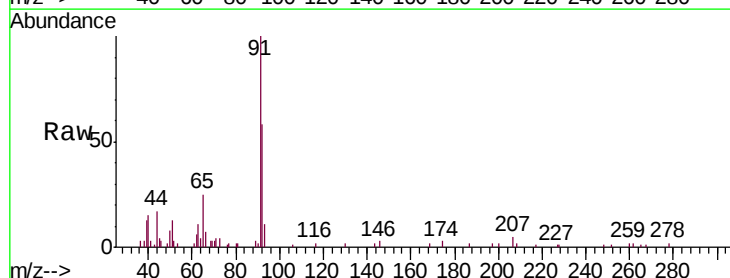
Acq: 19 Oct 2018 5:42

Tgt Ion: 91 Resp: 12849

Ion Ratio Lower Upper

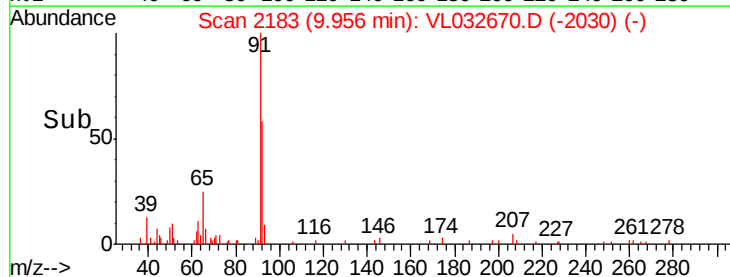
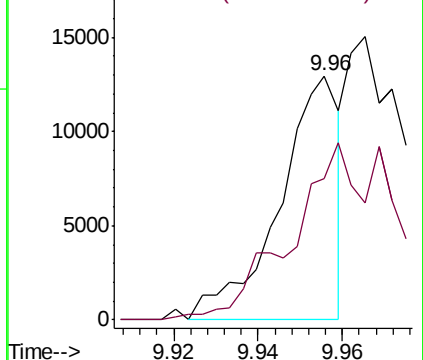
91 100

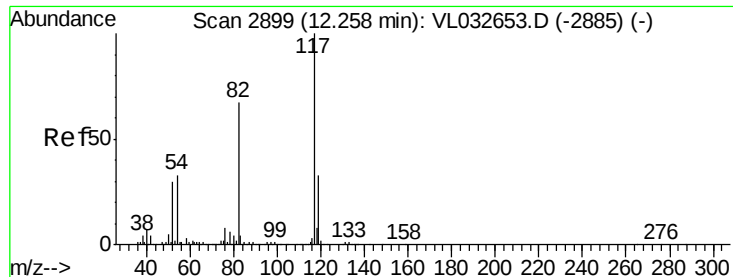
92 131.6 48.4 72.6#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

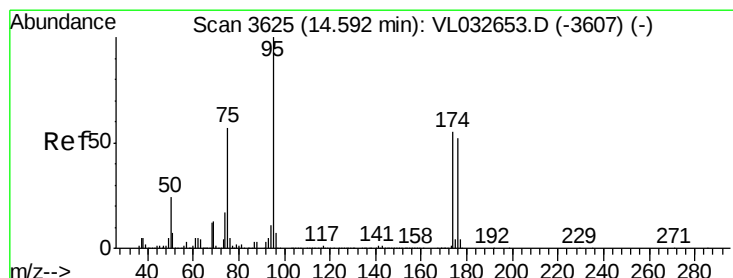
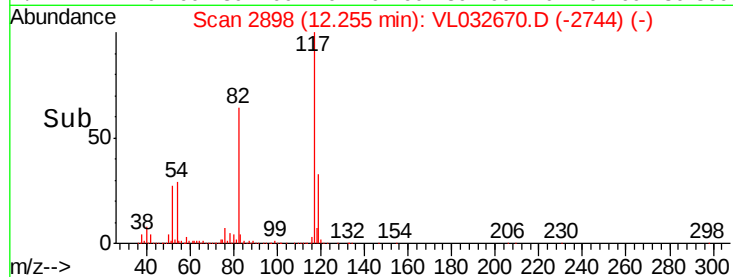
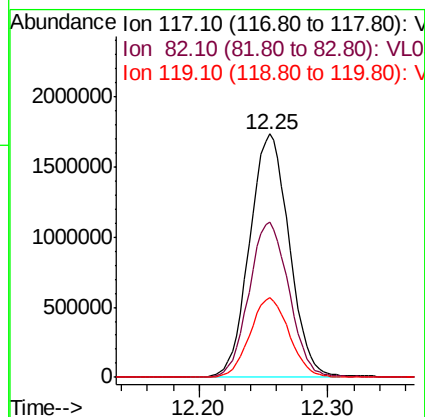
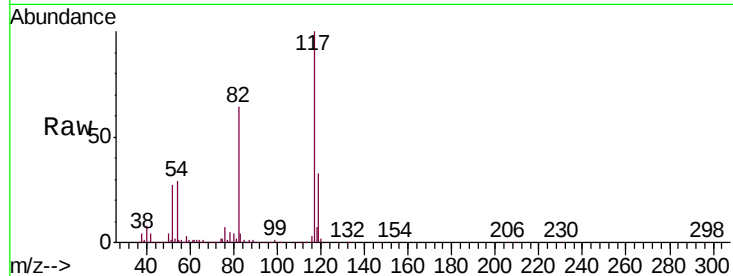




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VL032670.D
Acq: 19 Oct 2018 5:42

Instrument :
MSVOA_L
ClientSampleId :
A-1DL

Tgt Ion: 117 Resp: 3709626
Ion Ratio Lower Upper
117 100
82 64.8 52.7 79.1
119 32.8 26.7 40.1



#68
1-Bromo-4-Fluorobenzene
Concen: 9.964 ppbv
RT: 14.59 min Scan# 3625
Delta R.T. -0.00 min
Lab File: VL032670.D
Acq: 19 Oct 2018 5:42

Tgt Ion: 95 Resp: 2752061
Ion Ratio Lower Upper
95 100
174 64.3 46.0 69.0
175 4.7 3.4 5.0

