

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062918\
 Data File : VL032164.D
 Acq On : 30 Jun 2018 10:32
 Operator : SY/AP
 Sample : J3601-04DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 RESIDENT-A-CRAWL-SPACEDL

Quant Time: Jul 02 00:49:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 22:27:58 2018
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1621773	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	4089840	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.34	117	4030824	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.68	95	3119155	10.12	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

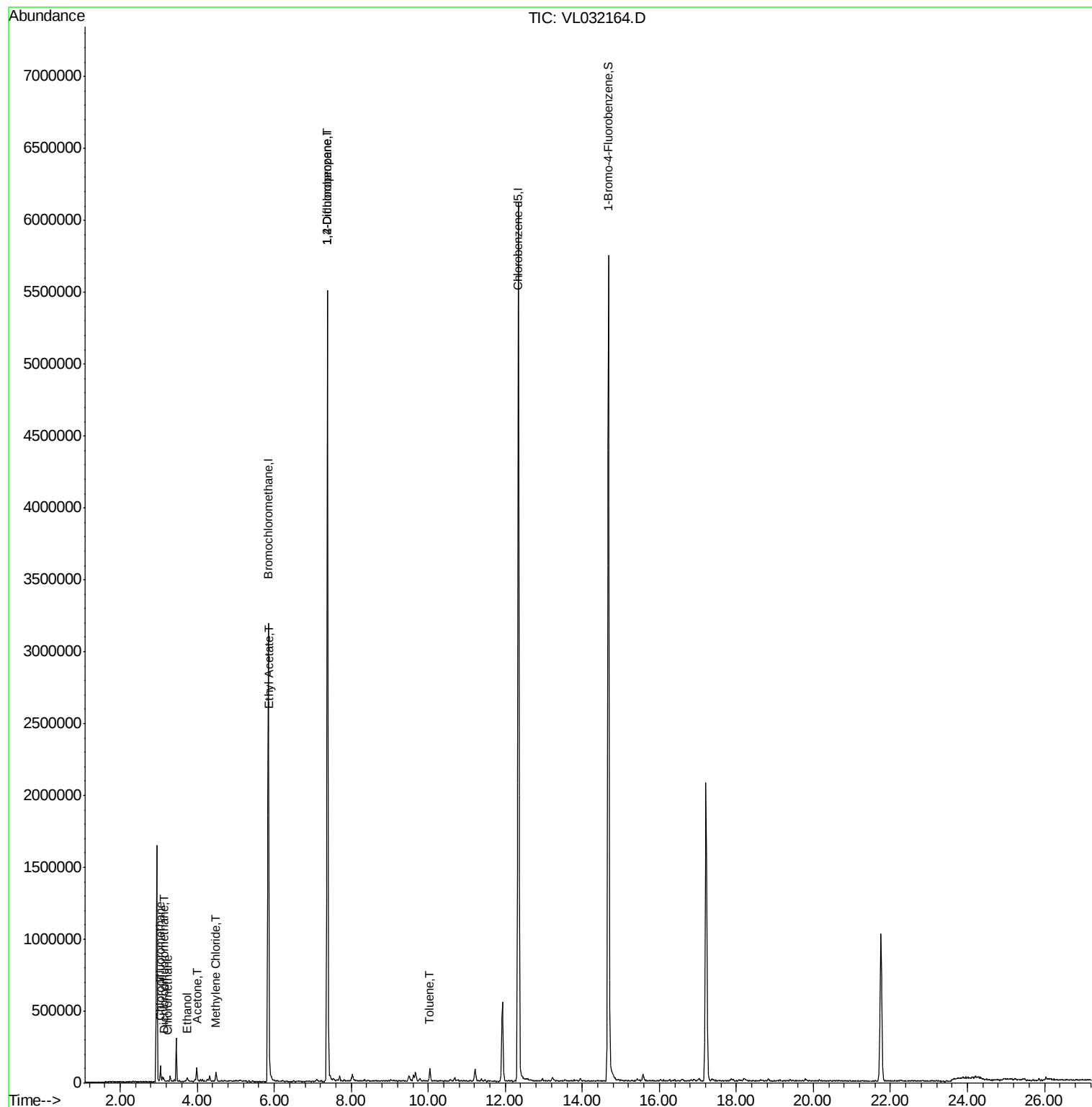
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.13	85	14346	0.067	ppbv	96
3) Chlorodifluoromethane	3.05	51	72056	0.364	ppbv #	67
4) Chloromethane	3.23	50	3658	0.035	ppbv #	86
13) Ethanol	3.73	45	6618	0.236	ppbv #	38
15) Acetone	3.98	43	89353	0.471	ppbv	100
20) Methylene Chloride	4.48	84	17645	0.255	ppbv #	93
25) Ethyl Acetate	5.86	43	16261	0.041	ppbv #	85
39) 1,2-Dichloropropane	7.38	63	1067315	6.837	ppbv #	26
53) Toluene	10.04	91	63313	0.132	ppbv	98

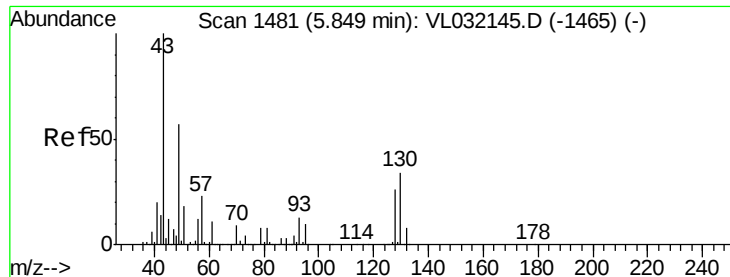
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL062918\
Data File : VL032164.D
Acq On : 30 Jun 2018 10:32
Operator : SY/AP
Sample : J3601-04DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-A-CRAWL-SPACEDL

Quant Time: Jul 02 00:49:55 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 22:27:58 2018
QLast Update : Fri Jun 29 22:27:58 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1479

Delta R.T. -0.02 min

Lab File: VL032164.D

Acq: 30 Jun 2018 10:32

Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-A-CRAWL-SPACEDL

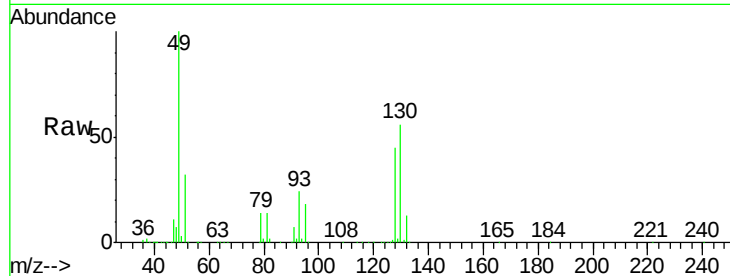
Tgt Ion: 49 Resp: 1621773

Ion Ratio Lower Upper

49 100

128 45.4 23.4 70.0

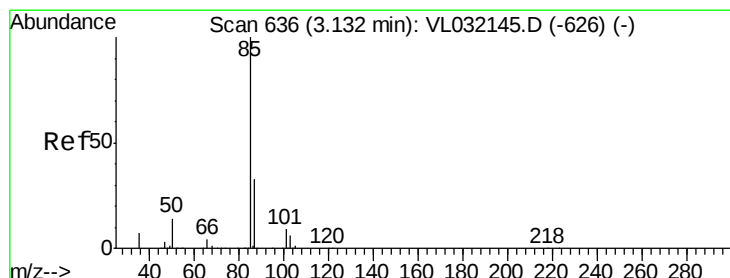
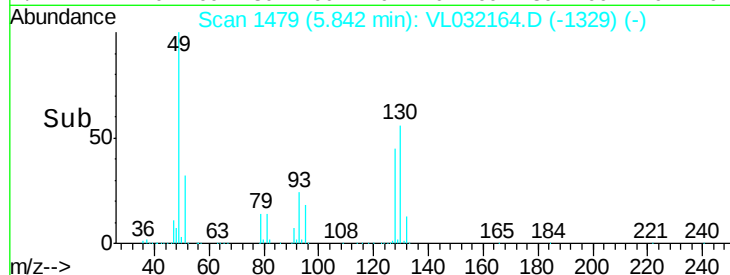
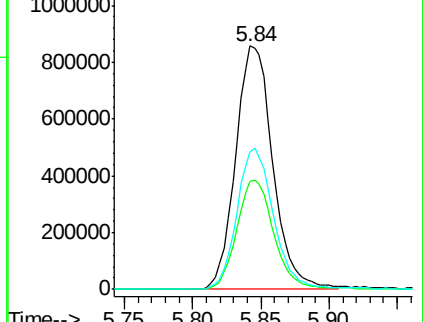
130 57.8 30.3 90.9



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: 0.067 ppbv

RT: 3.13 min Scan# 637

Delta R.T. -0.01 min

Lab File: VL032164.D

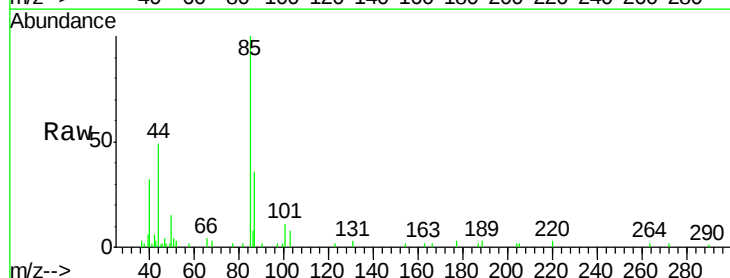
Acq: 30 Jun 2018 10:32

Tgt Ion: 85 Resp: 14346

Ion Ratio Lower Upper

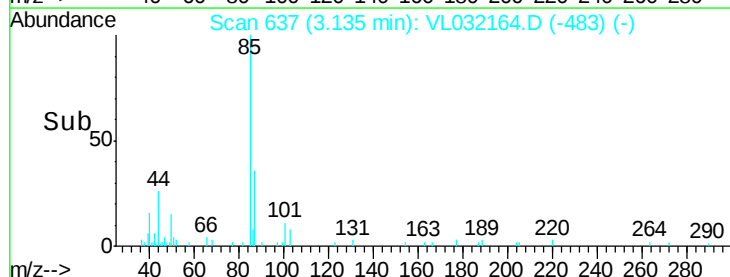
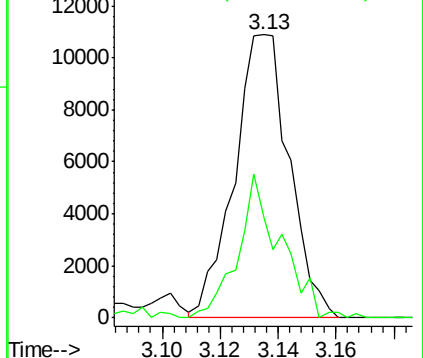
85 100

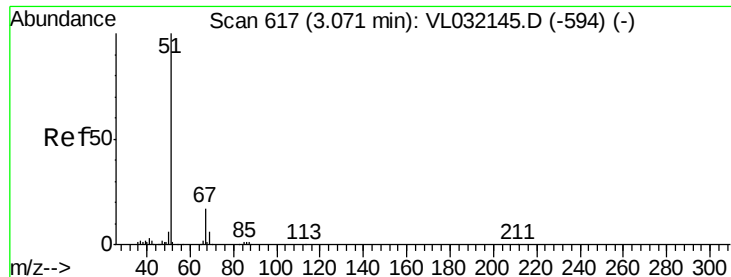
87 35.6 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.364 ppbv

RT: 3.05 min Scan# 610

Delta R.T. -0.03 min

Lab File: VL032164.D

Acq: 30 Jun 2018 10:32

Instrument :

MSVOA_L

ClientSampleId :

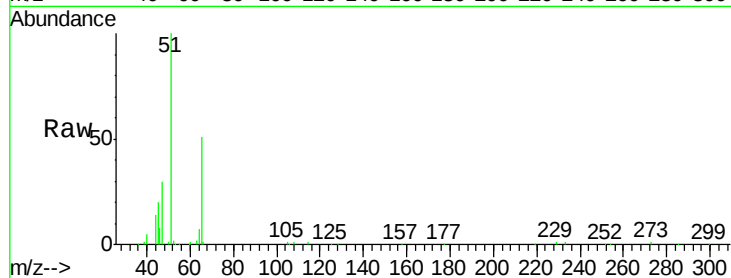
RESIDENT-A-CRAWL-SPACEDL

Tgt Ion: 51 Resp: 72056

Ion Ratio Lower Upper

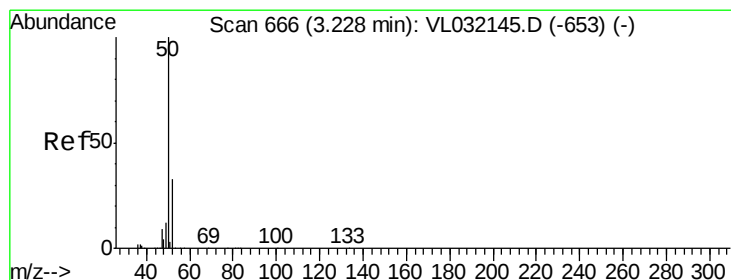
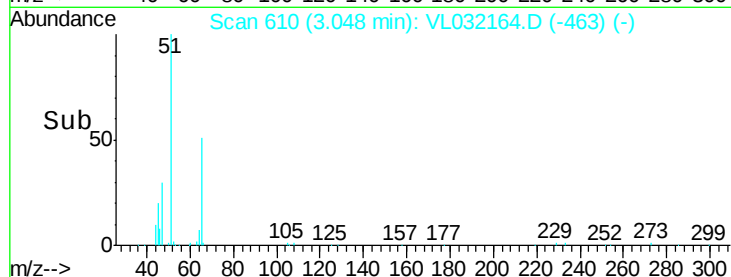
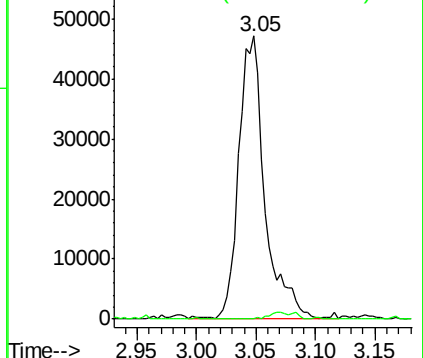
51 100

67 2.5 13.2 19.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.035 ppbv

RT: 3.23 min Scan# 667

Delta R.T. -0.01 min

Lab File: VL032164.D

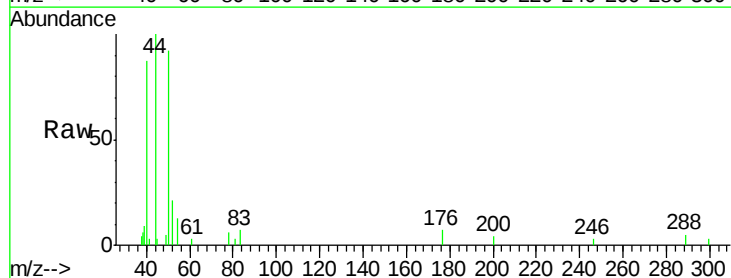
Acq: 30 Jun 2018 10:32

Tgt Ion: 50 Resp: 3658

Ion Ratio Lower Upper

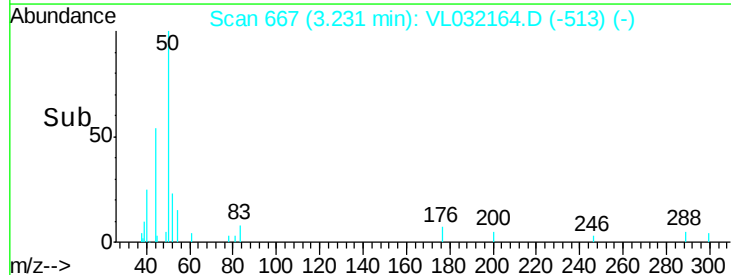
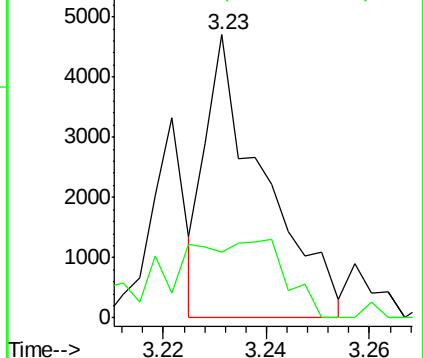
50 100

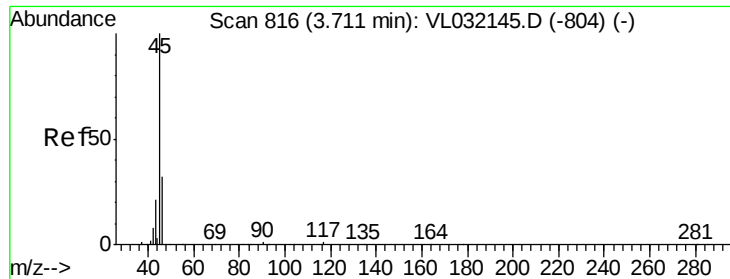
52 24.9 26.0 39.0#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

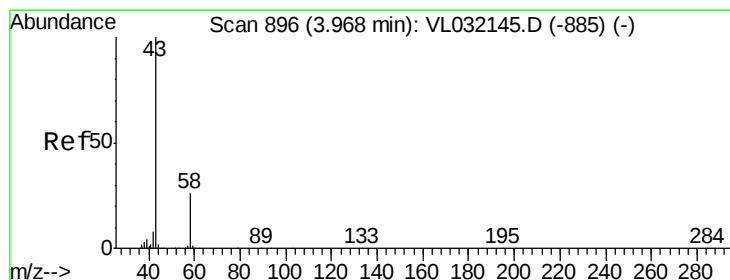
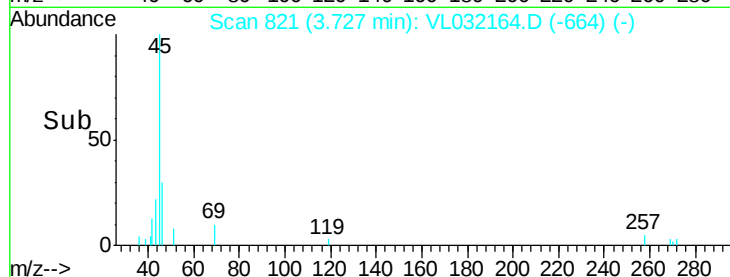
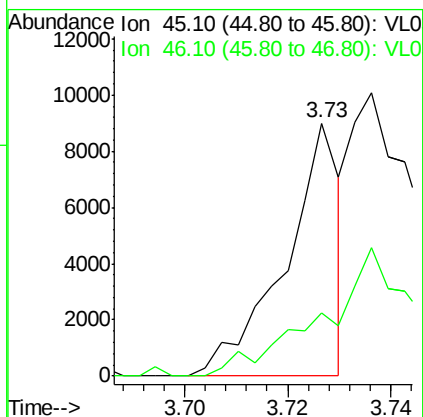
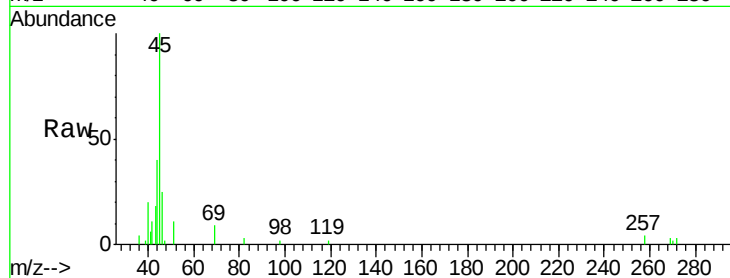




#13
Ethanol
Concen: 0.236 ppbv
RT: 3.73 min Scan# 821
Delta R.T. 0.00 min
Lab File: VL032164.D
Acq: 30 Jun 2018 10:32

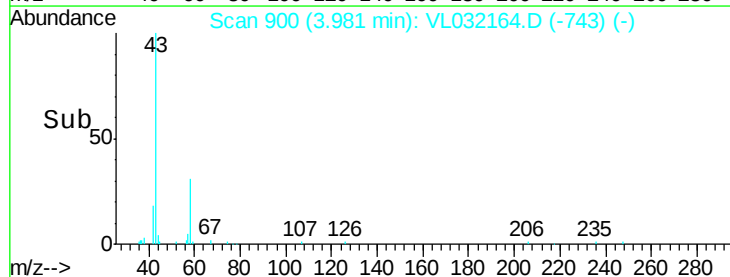
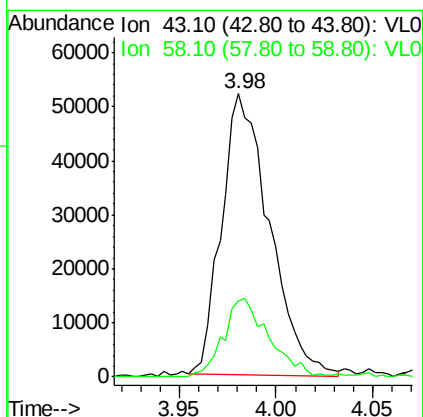
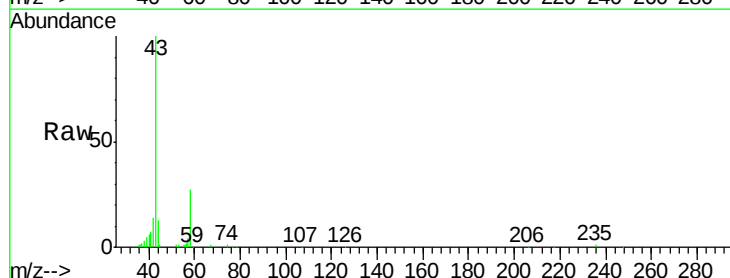
Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-A-CRAWL-SPACEDL

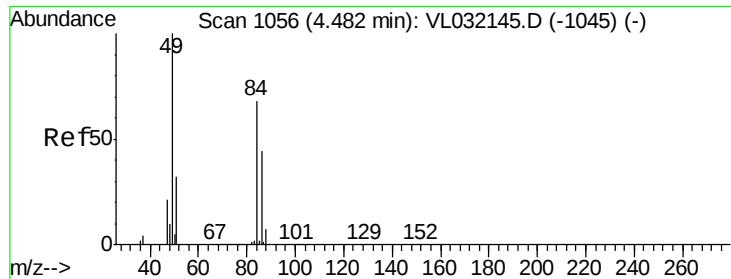
Tgt Ion: 45 Resp: 6618
Ion Ratio Lower Upper
45 100
46 0.0 14.6 58.4#



#15
Acetone
Concen: 0.471 ppbv
RT: 3.98 min Scan# 900
Delta R.T. 0.00 min
Lab File: VL032164.D
Acq: 30 Jun 2018 10:32

Tgt Ion: 43 Resp: 89353
Ion Ratio Lower Upper
43 100
58 26.8 21.4 32.0

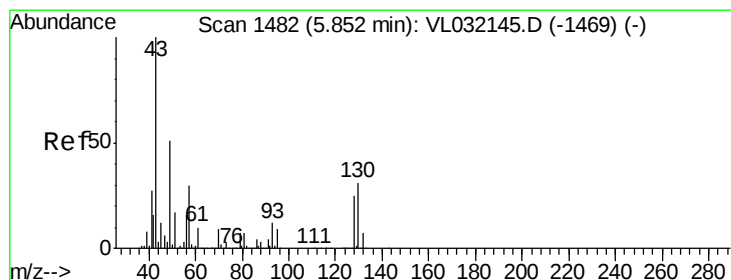
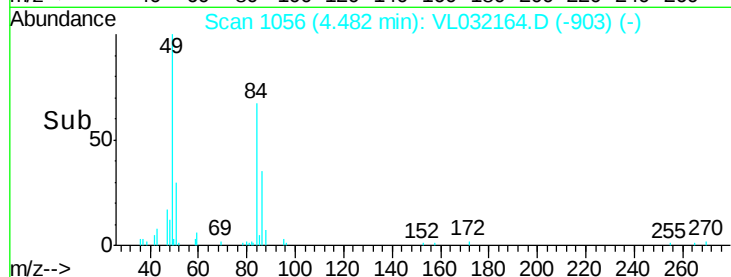
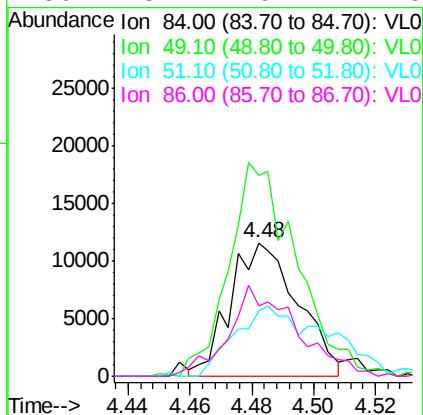
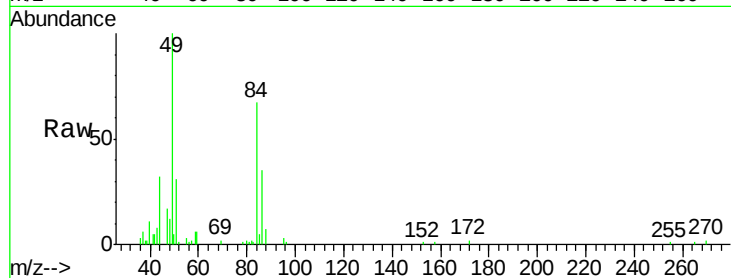




#20
Methylene Chloride
Concen: 0.255 ppbv
RT: 4.48 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VL032164.D
Acq: 30 Jun 2018 10:32

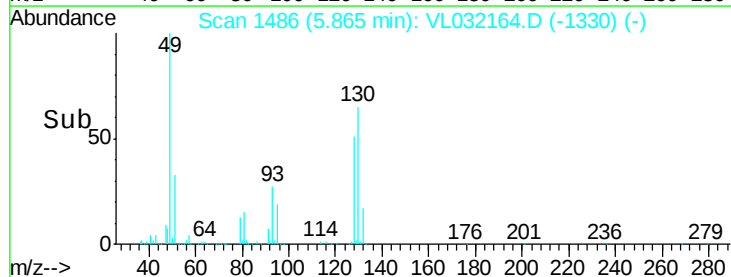
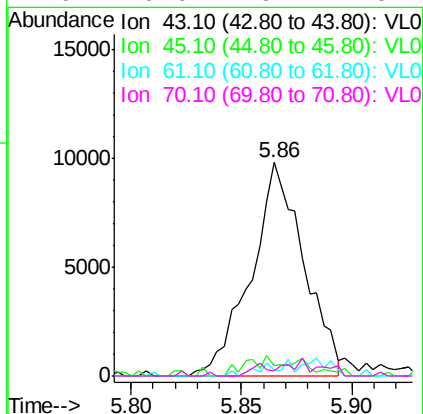
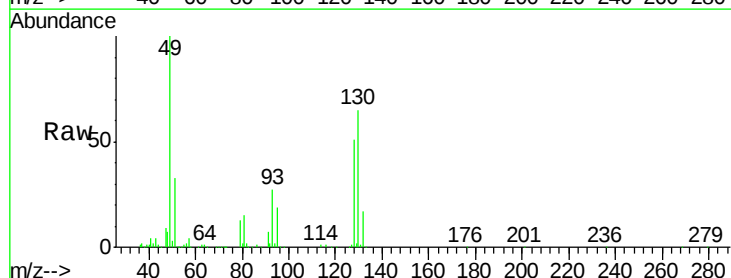
Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-A-CRAWL-SPACEDL

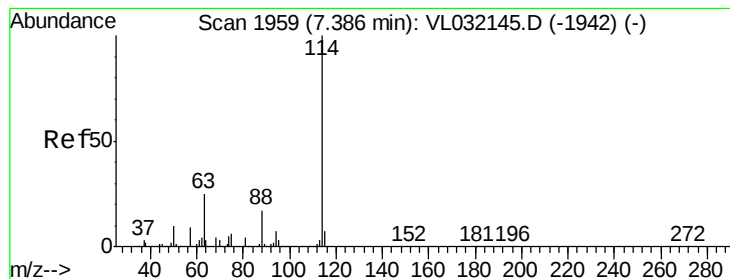
Tgt Ion: 84 Resp: 17645
Ion Ratio Lower Upper
84 100
49 152.7 119.6 179.4
51 51.3 36.3 54.5
86 48.4 49.7 74.5#



#25
Ethyl Acetate
Concen: 0.041 ppbv
RT: 5.86 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VL032164.D
Acq: 30 Jun 2018 10:32

Tgt Ion: 43 Resp: 16261
Ion Ratio Lower Upper
43 100
45 9.6 7.8 11.8
61 0.0 7.4 11.0#
70 0.0 6.1 9.1#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.38 min Scan# 1958

Delta R.T. -0.02 min

Lab File: VL032164.D

Acq: 30 Jun 2018 10:32

Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-A-CRAWL-SPACEDL

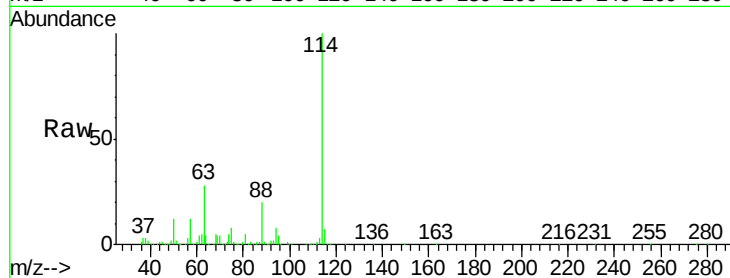
Tgt Ion: 114 Resp: 4089840

Ion Ratio Lower Upper

114 100

63 26.4 19.1 28.7

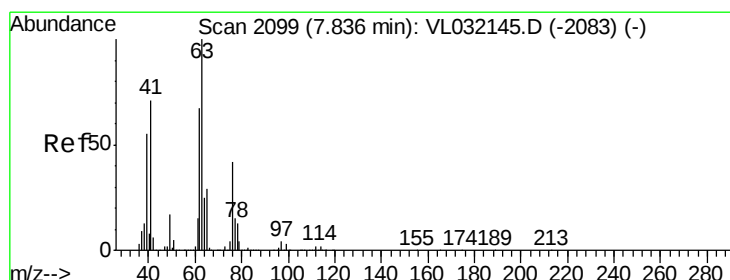
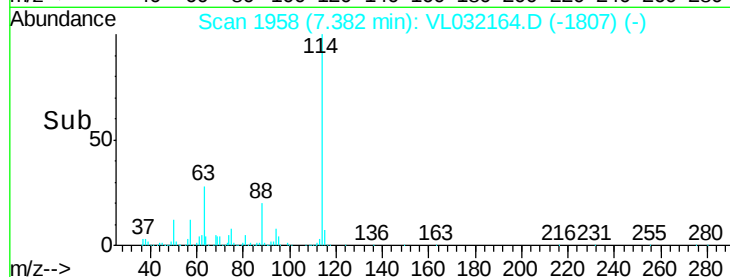
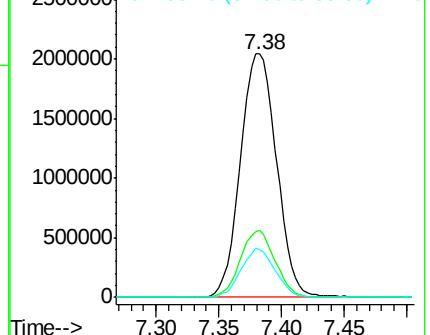
88 19.1 13.9 20.9



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: 6.837 ppbv

RT: 7.38 min Scan# 1958

Delta R.T. -0.47 min

Lab File: VL032164.D

Acq: 30 Jun 2018 10:32

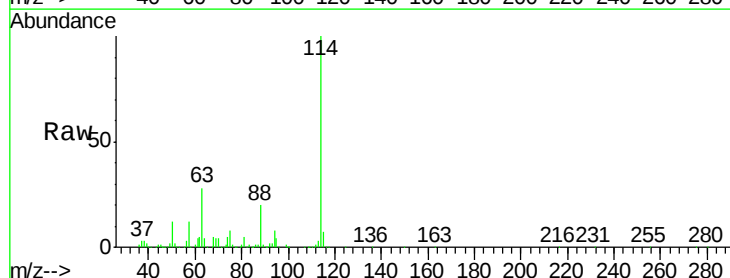
Tgt Ion: 63 Resp: 1067315

Ion Ratio Lower Upper

63 100

41 0.0 53.3 79.9#

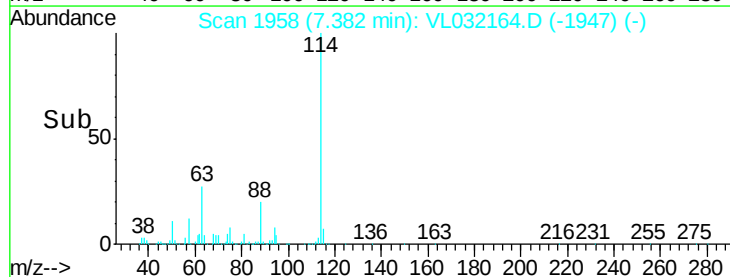
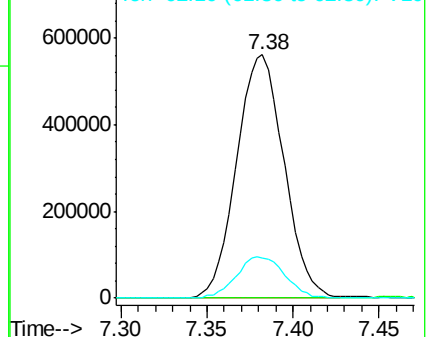
62 16.4 54.8 82.2#

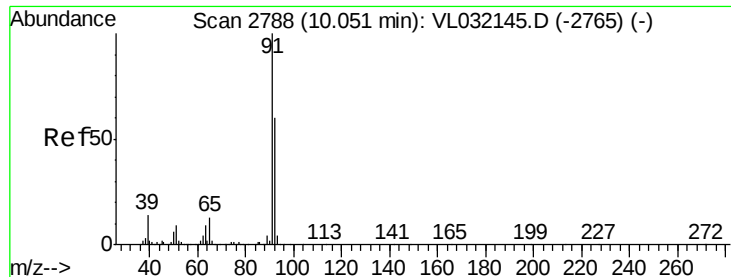


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#53

Toluene

Concen: 0.132 ppbv

RT: 10.04 min Scan# 2785

Delta R.T. -0.02 min

Lab File: VL032164.D

Acq: 30 Jun 2018 10:32

Instrument :

MSVOA_L

ClientSampleId :

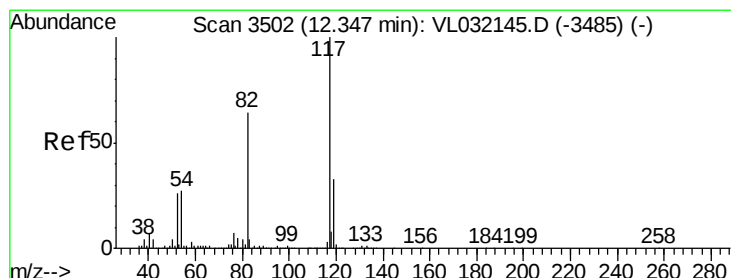
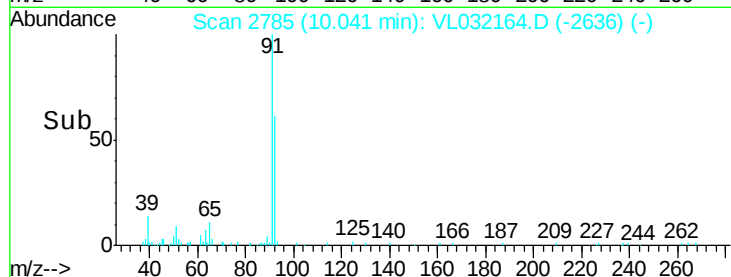
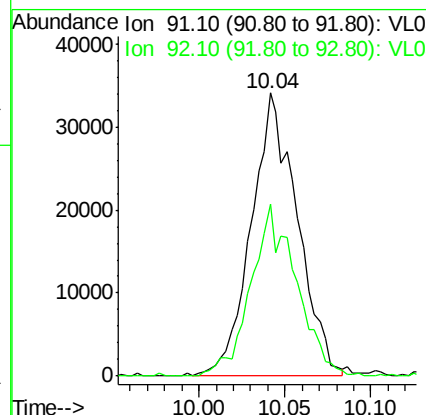
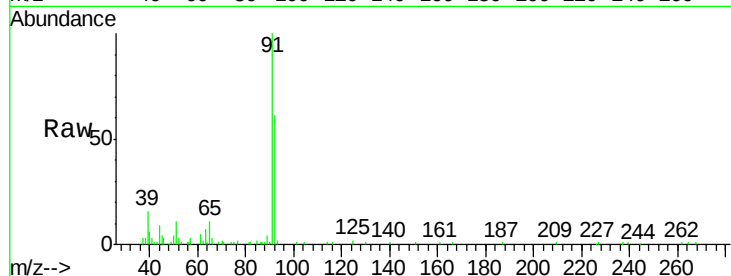
RESIDENT-A-CRAWL-SPACEDL

Tgt Ion: 91 Resp: 63313

Ion Ratio Lower Upper

91 100

92 60.1 49.2 73.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.34 min Scan# 3500

Delta R.T. -0.02 min

Lab File: VL032164.D

Acq: 30 Jun 2018 10:32

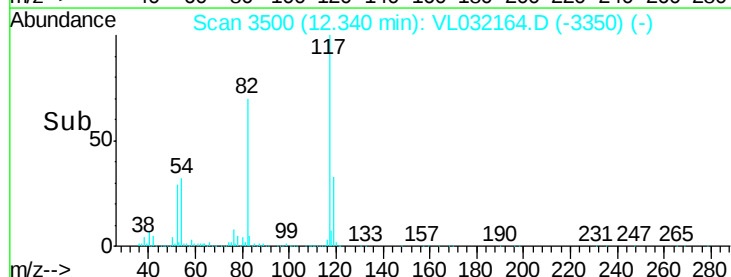
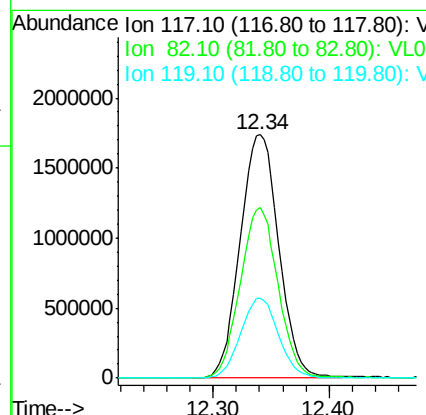
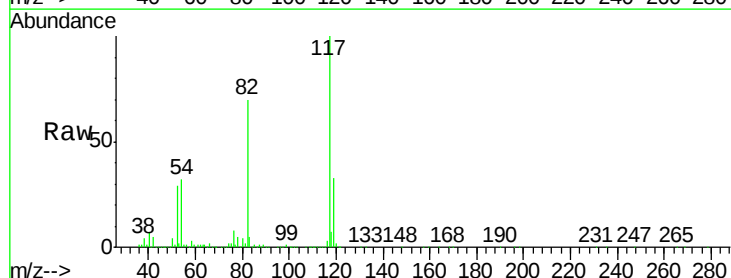
Tgt Ion: 117 Resp: 4030824

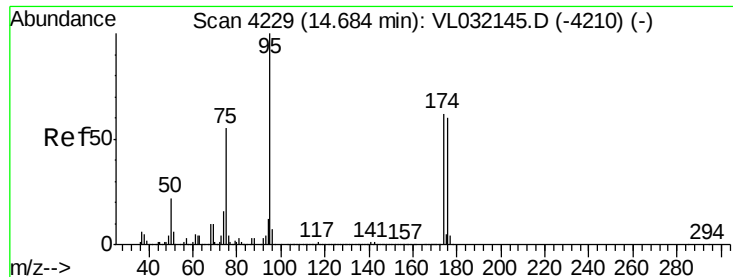
Ion Ratio Lower Upper

117 100

82 69.1 47.8 71.8

119 32.4 43.3 64.9#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.123 ppbv

RT: 14.68 min Scan# 4227

Delta R.T. -0.02 min

Lab File: VL032164.D

Acq: 30 Jun 2018 10:32

Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-A-CRAWL-SPACEDL

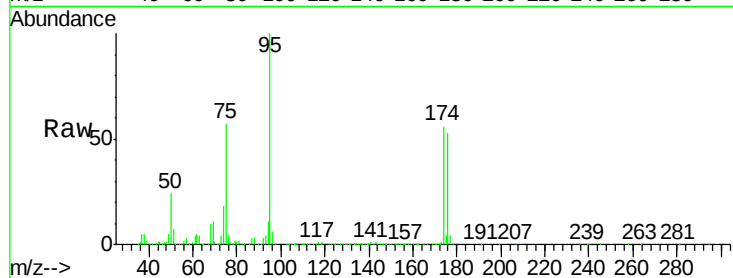
Tgt Ion: 95 Resp: 3119155

Ion Ratio Lower Upper

95 100

174 56.6 52.1 78.1

175 4.2 4.0 6.0



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

