

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070218\
 Data File : VL032181.D
 Acq On : 2 Jul 2018 14:27
 Operator : SY/AP
 Sample : J3601-10DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jul 03 05:02:11 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Jun 29 22:27:58 2018
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

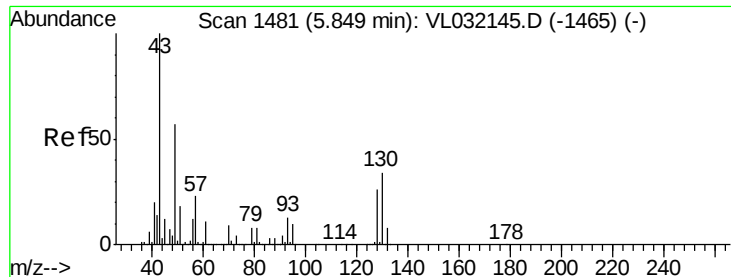
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1538006	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	3970442	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.34	117	3597891	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	2831341	10.30	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.14	85	11167	0.055	ppbv	93
3) Chlorodifluoromethane	3.04	51	34138	0.182	ppbv #	75
9) Propene	3.30	41	123704	1.412	ppbv	91
13) Ethanol	3.73	45	26915	1.014	ppbv #	54
15) Acetone	3.98	43	196287	1.091	ppbv	93
17) tert-Butyl alcohol	4.47	59	6836	0.060	ppbv #	73
20) Methylene Chloride	4.48	84	36192	0.551	ppbv	95
23) Vinyl Acetate	5.23	43	11608	0.036	ppbv #	41
25) Ethyl Acetate	5.86	43	79755	0.214	ppbv	98
26) Hexane	5.86	57	49303	0.288	ppbv #	82
34) 2-Butanone	5.43	43	32479	0.129	ppbv	95
39) 1,2-Dichloropropane	7.38	63	1035081	6.829	ppbv #	27
53) Toluene	10.04	91	255287	0.550	ppbv	100
59) m/p-Xylene	13.24	91	19862	0.043	ppbv #	29
60) o-Xylene	13.95	91	19174	0.041	ppbv	69

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1479

Delta R.T. -0.02 min

Lab File: VL032181.D

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Instrument :

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ClientSampleId :

RESIDENT-D-CRAWL-SPACEDL

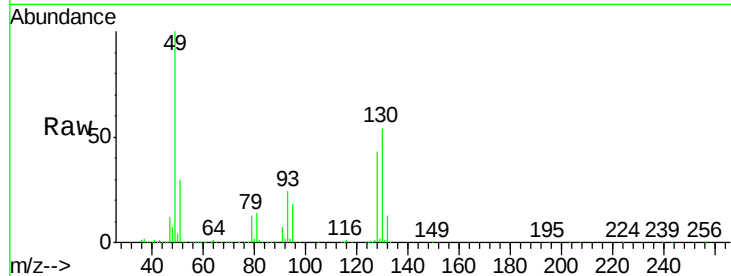
Tgt Ion: 49 Resp: 1538006

Ion Ratio Lower Upper

49 100

128 45.1 23.4 70.0

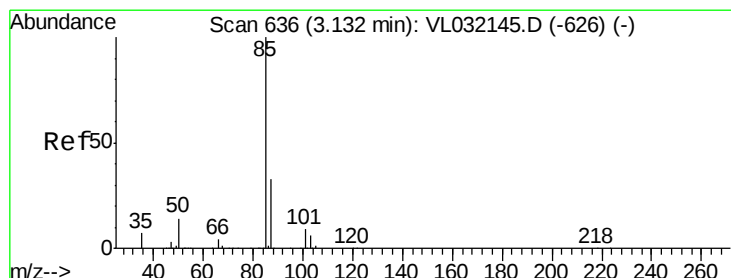
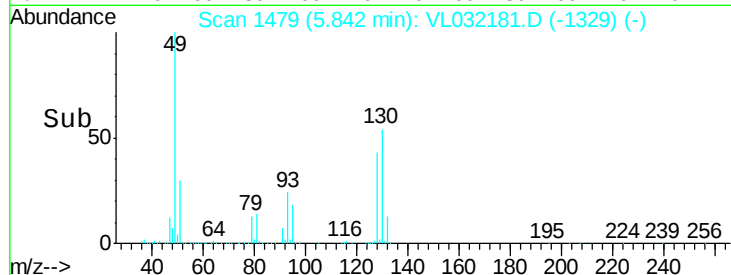
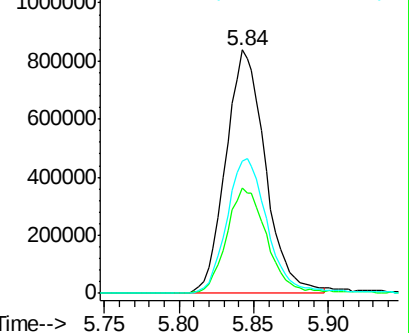
130 57.6 30.3 90.9



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: 0.055 ppbv

RT: 3.14 min Scan# 638

Delta R.T. -0.00 min

Lab File: VL032181.D

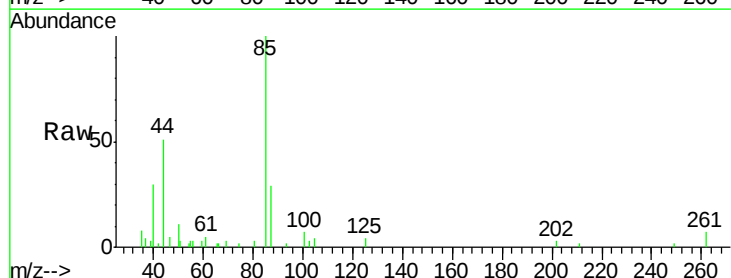
Acq: 2 Jul 2018 14:27

Tgt Ion: 85 Resp: 11167

Ion Ratio Lower Upper

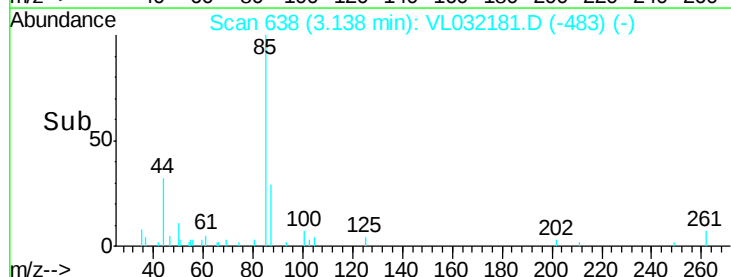
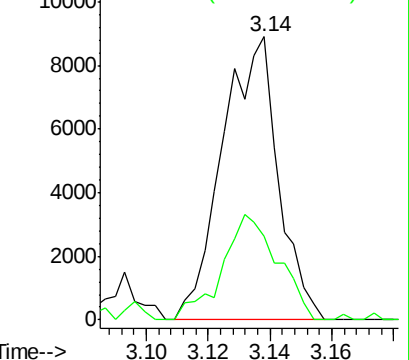
85 100

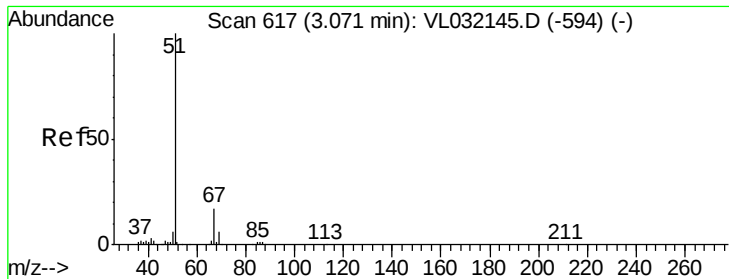
87 29.4 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.182 ppbv

RT: 3.04 min Scan# 609

Delta R.T. -0.03 min

Lab File: VL032181.D

Acq: 2 Jul 2018 14:27

Instrument :

MSVOA_L

ClientSampleId :

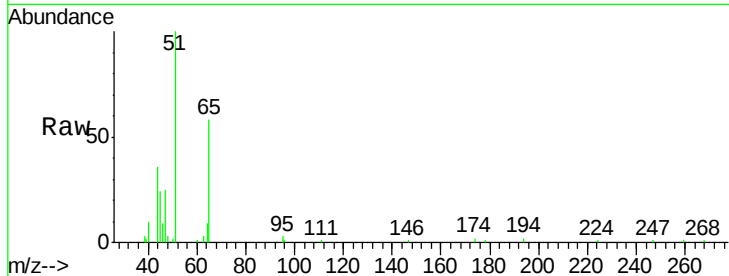
RESIDENT-D-CRAWL-SPACEDL

Tgt Ion: 51 Resp: 34138

Ion Ratio Lower Upper

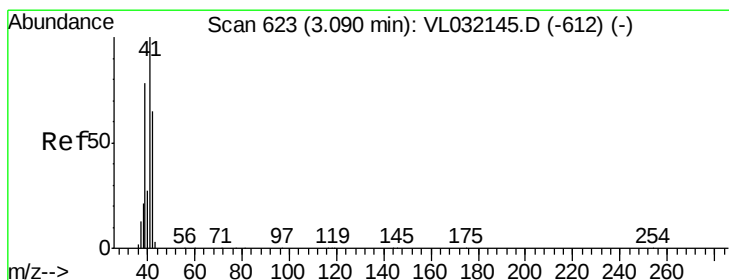
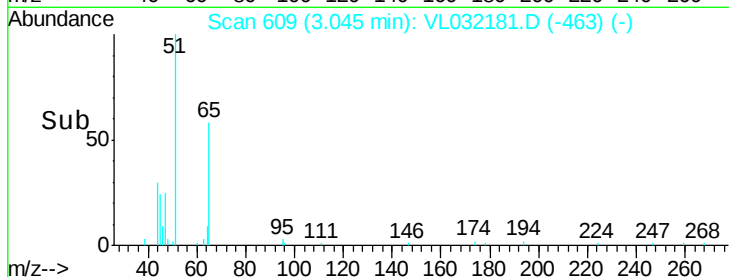
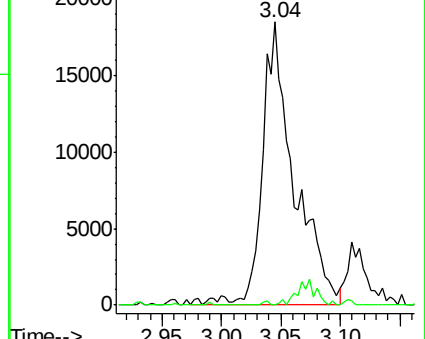
51 100

67 5.6 13.2 19.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 1.412 ppbv

RT: 3.30 min Scan# 687

Delta R.T. 0.20 min

Lab File: VL032181.D

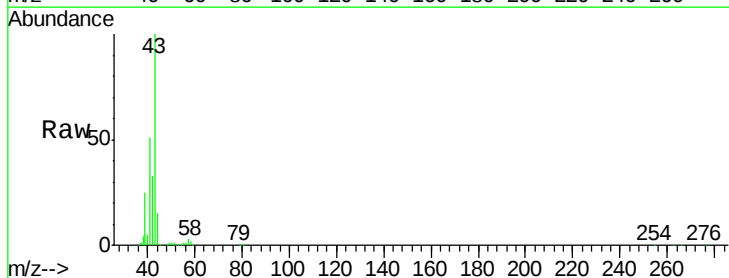
Acq: 2 Jul 2018 14:27

Tgt Ion: 41 Resp: 123704

Ion Ratio Lower Upper

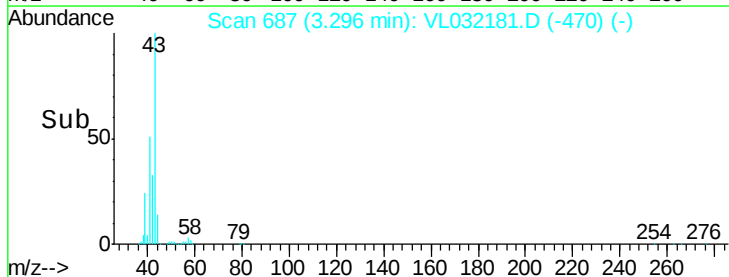
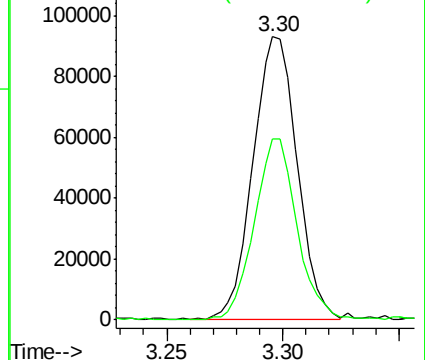
41 100

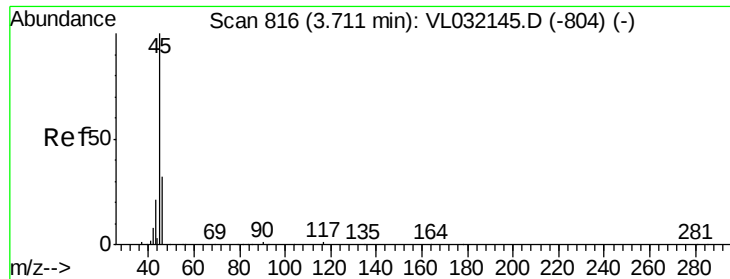
42 62.8 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

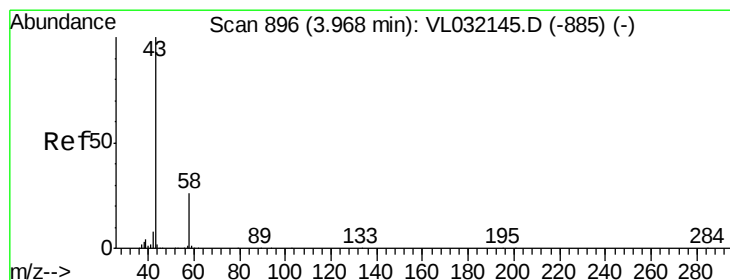
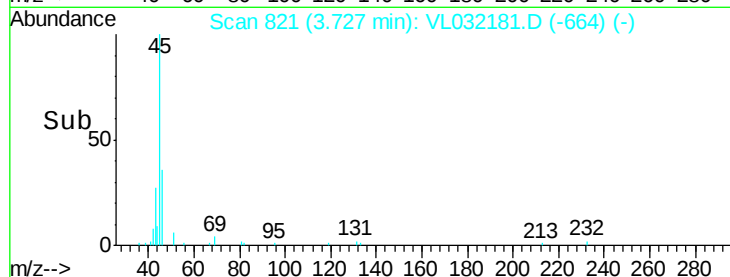
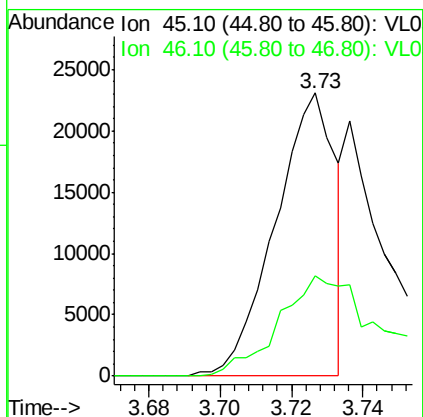
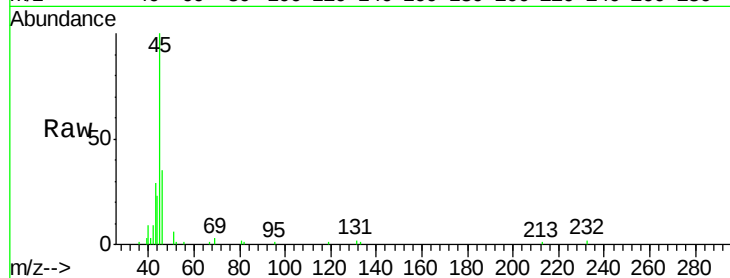




#13
Ethanol
Concen: 1.014 ppbv
RT: 3.73 min Scan# 821
Delta R.T. 0.00 min
Lab File: VL032181.D
Acq: 2 Jul 2018 14:27

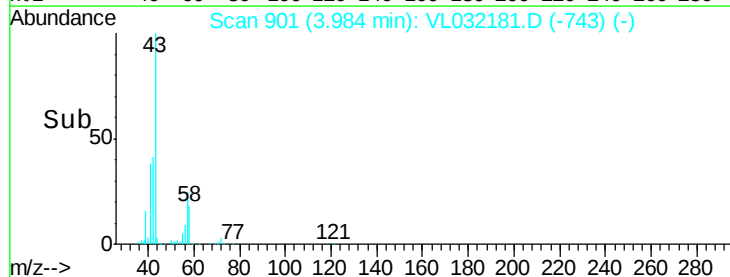
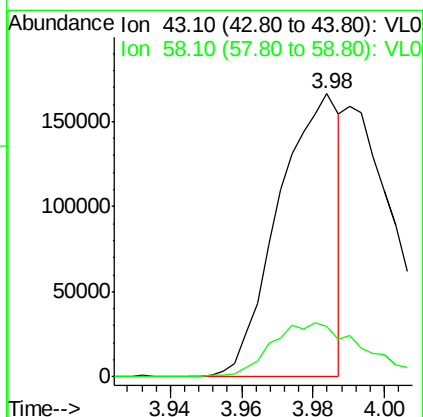
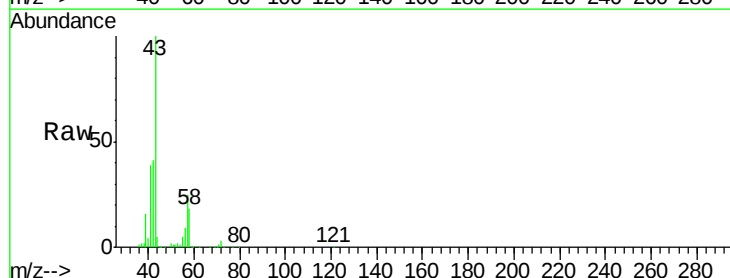
Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-D-CRAWL-SPACEDL

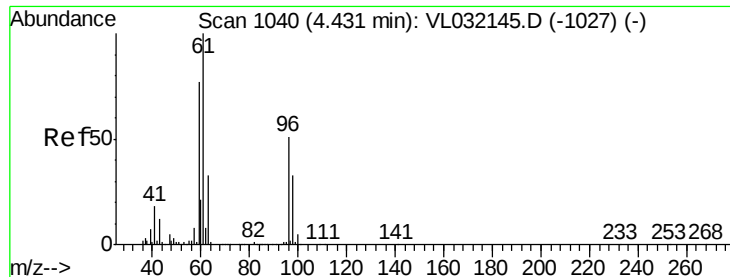
Tgt Ion: 45 Resp: 26915
Ion Ratio Lower Upper
45 100
46 63.9 14.6 58.4#



#15
Acetone
Concen: 1.091 ppbv
RT: 3.98 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL032181.D
Acq: 2 Jul 2018 14:27

Tgt Ion: 43 Resp: 196287
Ion Ratio Lower Upper
43 100
58 30.2 21.4 32.0





#17

tert-Butyl alcohol

Concen: 0.060 ppbv

RT: 4.47 min Scan# 1051

Delta R.T. 0.03 min

Lab File: VL032181.D

Acq: 2 Jul 2018 14:27

Instrument :

MSVOA_L

ClientSampleId :

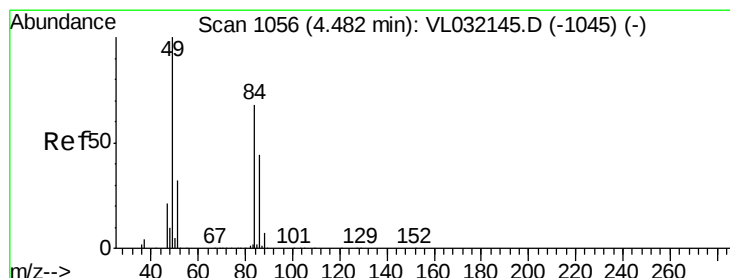
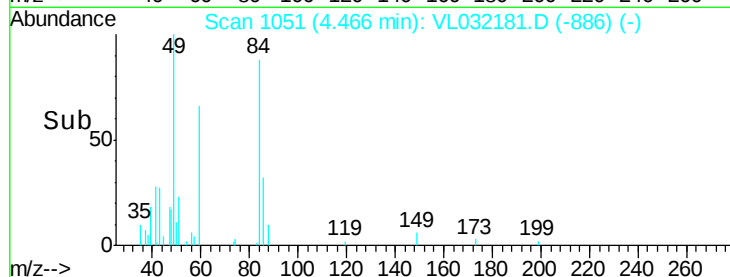
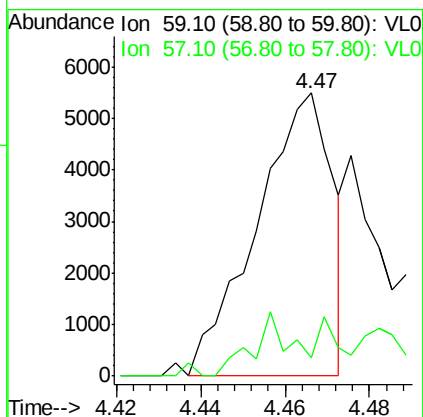
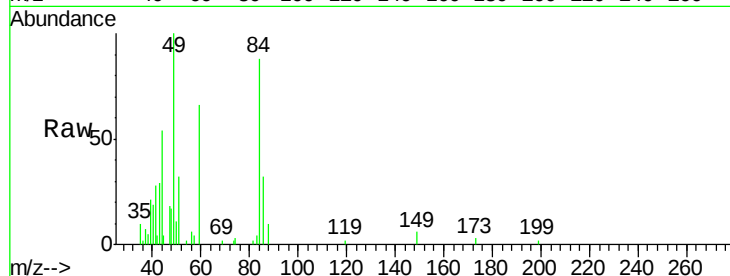
RESIDENT-D-CRAWL-SPACEDL

Tgt Ion: 59 Resp: 6836

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#20

Methylene Chloride

Concen: 0.551 ppbv

RT: 4.48 min Scan# 1056

Delta R.T. -0.01 min

Lab File: VL032181.D

Acq: 2 Jul 2018 14:27

Tgt Ion: 84 Resp: 36192

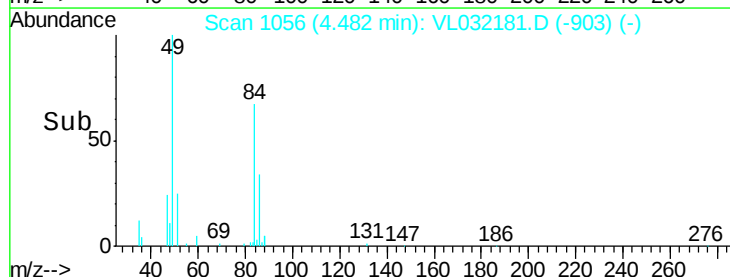
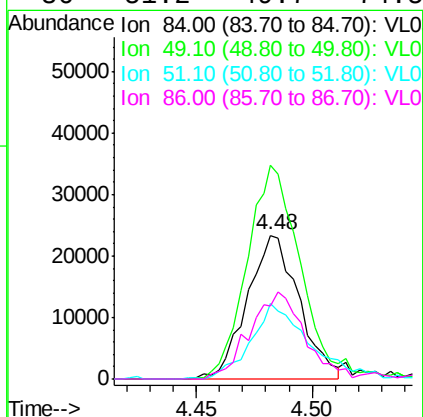
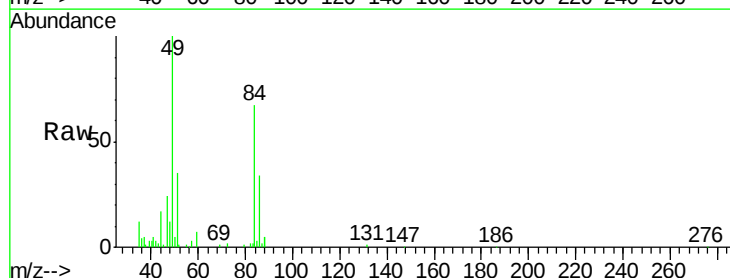
Ion Ratio Lower Upper

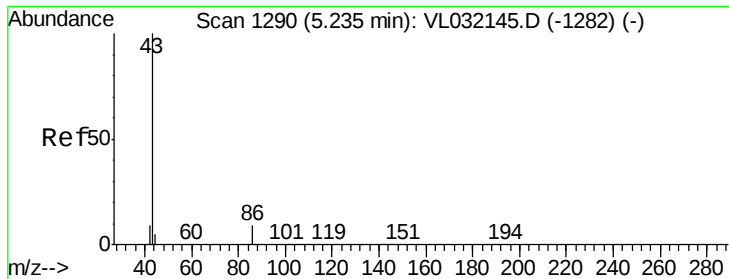
84 100

49 148.7 119.6 179.4

51 51.7 36.3 54.5

86 51.2 49.7 74.5





#23

Vinyl Acetate

Concen: 0.036 ppbv

RT: 5.23 min Scan# 1288

Delta R.T. -0.02 min

Lab File: VL032181.D

Acq: 2 Jul 2018 14:27

Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-D-CRAWL-SPACEDL

Tgt Ion: 43 Resp: 11608

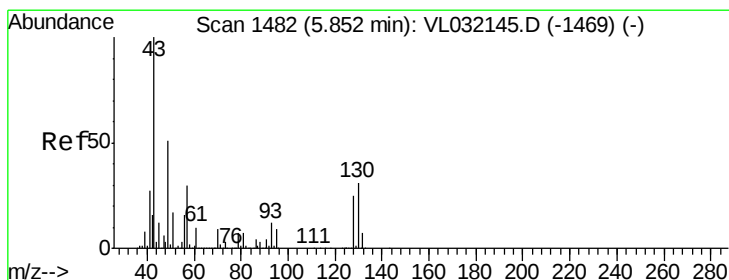
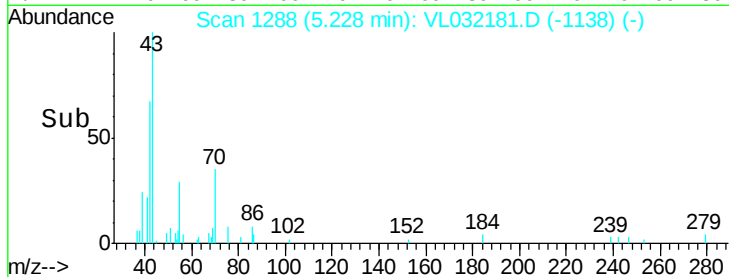
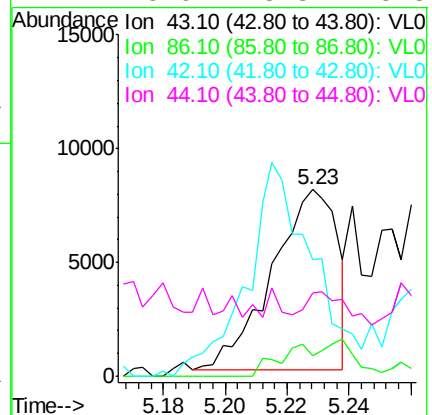
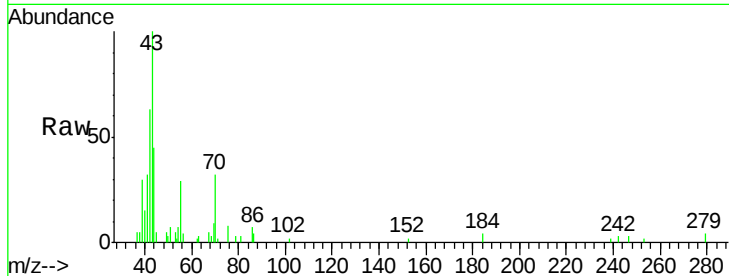
Ion Ratio Lower Upper

43 100

86 11.1 6.2 9.4#

42 50.6 6.9 10.3#

44 15.9 3.8 5.8#



#25

Ethyl Acetate

Concen: 0.214 ppbv

RT: 5.86 min Scan# 1485

Delta R.T. -0.00 min

Lab File: VL032181.D

Acq: 2 Jul 2018 14:27

Tgt Ion: 43 Resp: 79755

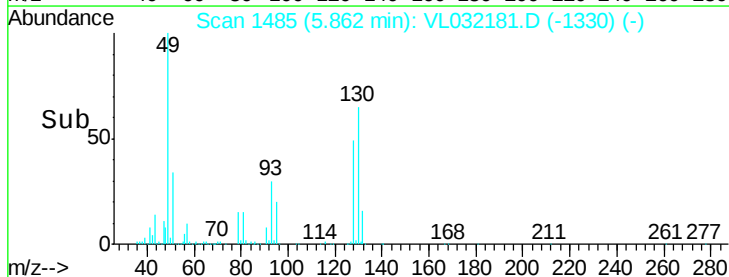
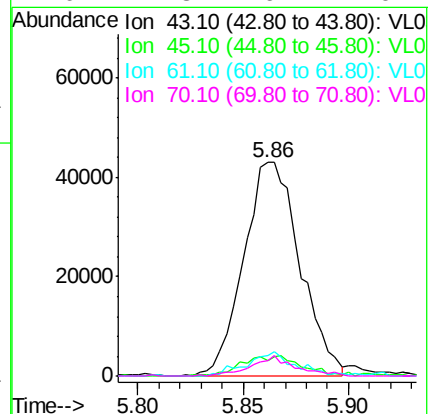
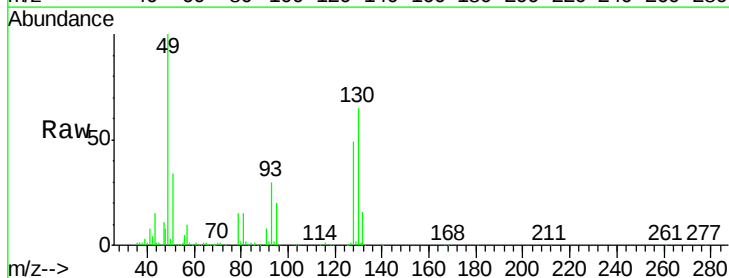
Ion Ratio Lower Upper

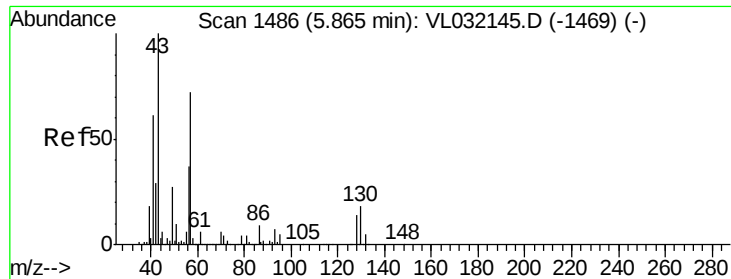
43 100

45 10.9 7.8 11.8

61 10.2 7.4 11.0

70 7.3 6.1 9.1

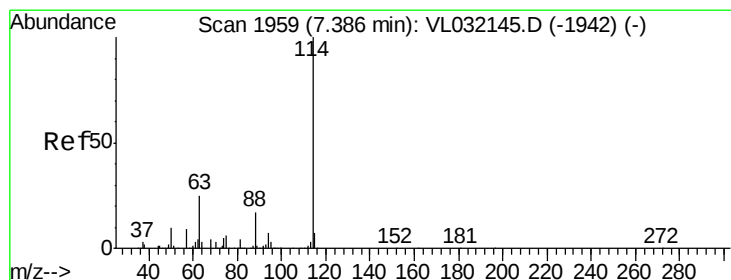
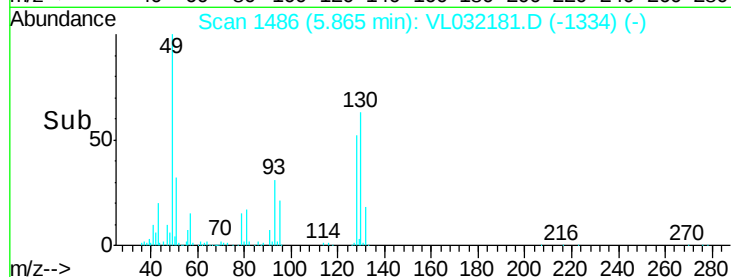
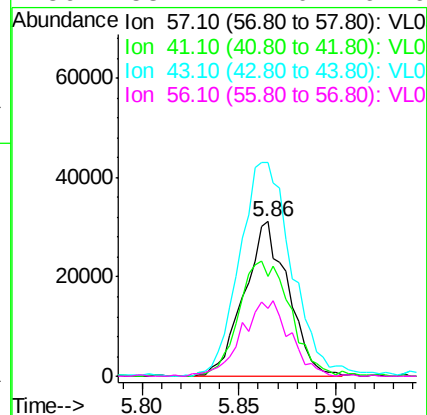
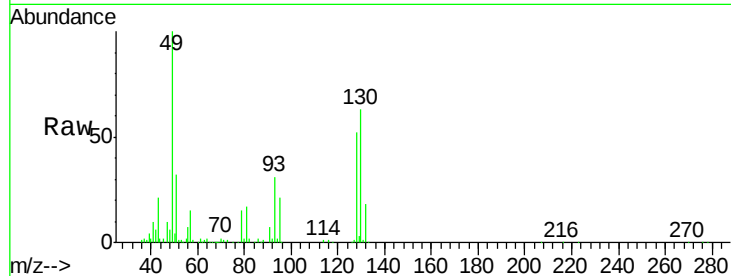




#26
Hexane
Concen: 0.288 ppbv
RT: 5.86 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VL032181.D
Acq: 2 Jul 2018 14:27

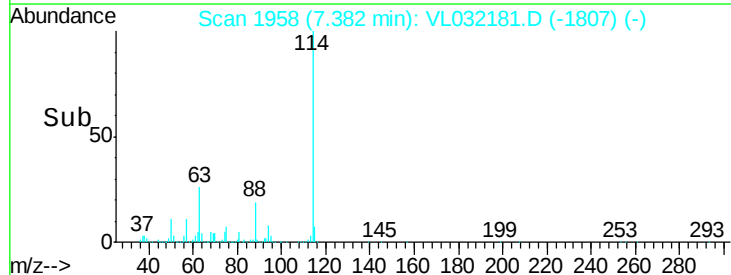
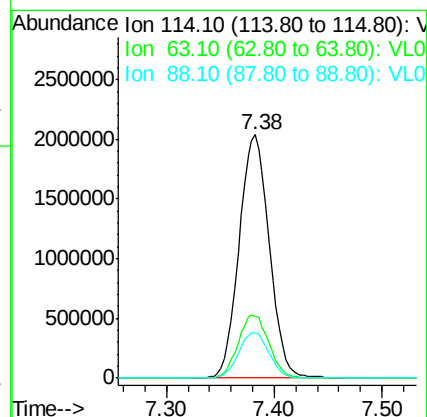
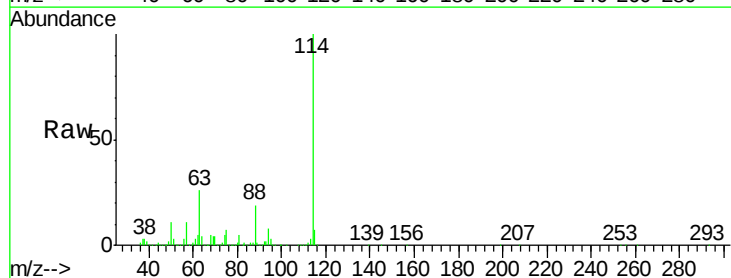
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RESIDENT-D-CRAWL-SPACEDL

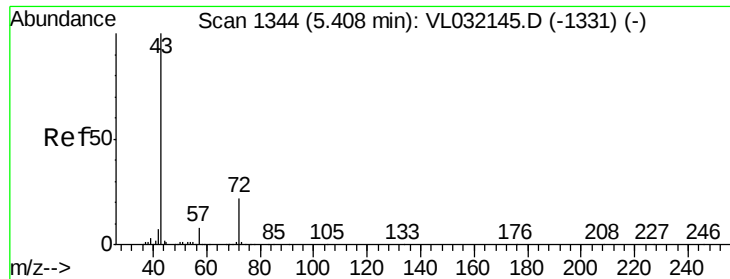
Tgt Ion: 57 Resp: 49303
Ion Ratio Lower Upper
57 100
41 87.8 68.6 103.0
43 166.1 168.6 252.8#
56 53.7 41.0 61.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.38 min Scan# 1958
Delta R.T. -0.02 min
Lab File: VL032181.D
Acq: 2 Jul 2018 14:27

Tgt Ion: 114 Resp: 3970442
Ion Ratio Lower Upper
114 100
63 26.5 19.1 28.7
88 18.9 13.9 20.9

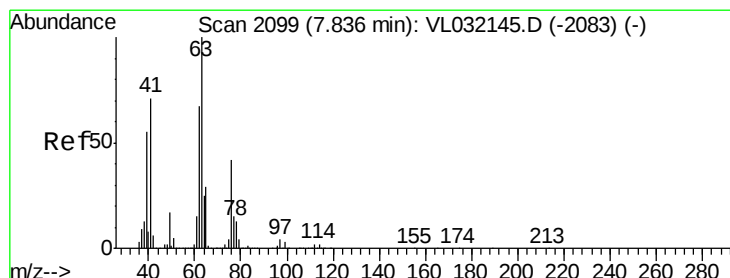
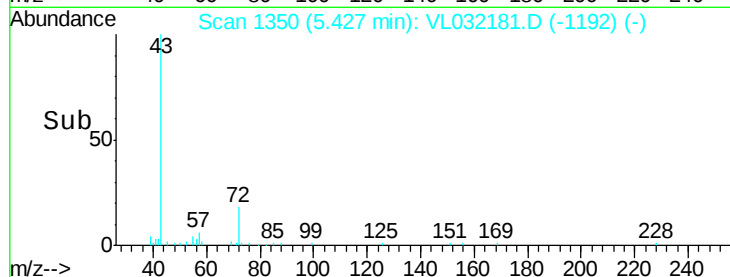
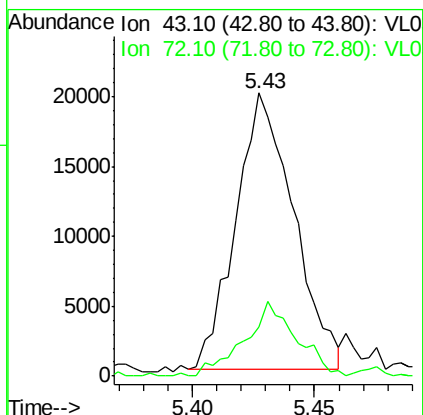
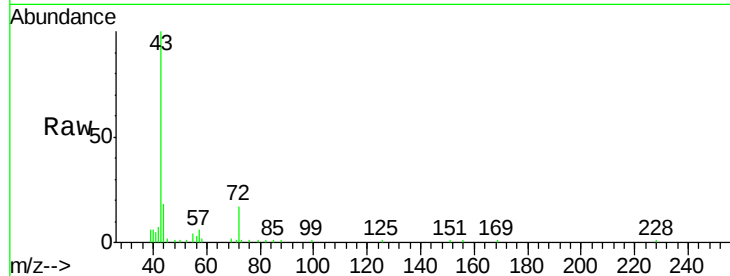




#34
 2-Butanone
 Concen: 0.129 ppbv
 RT: 5.43 min Scan# 1350
 Delta R.T. 0.01 min
 Lab File: VL032181.D
 Acq: 2 Jul 2018 14:27

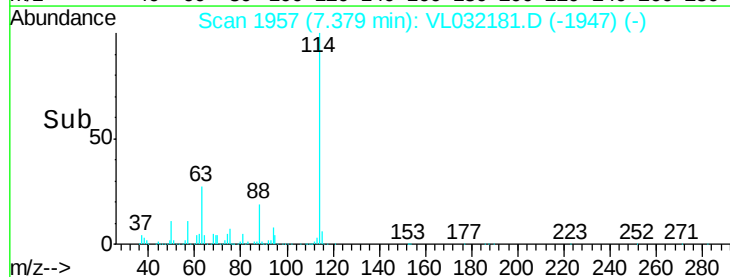
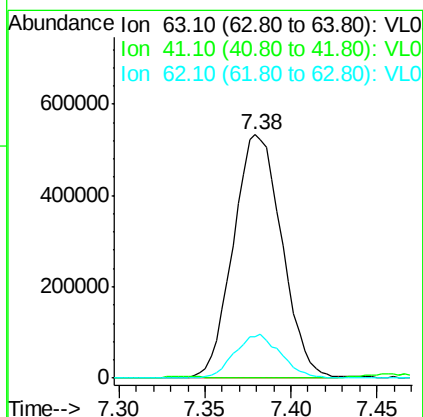
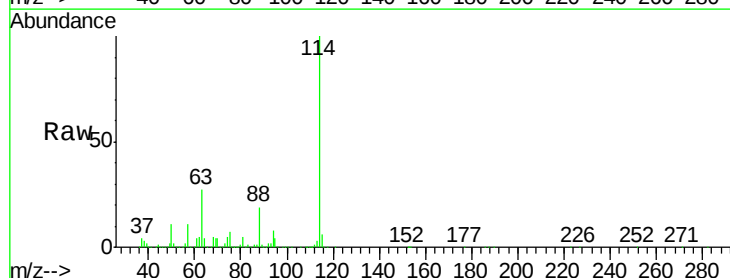
Instrument :
 MSVOA_L
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 RESIDENT-D-CRAWL-SPACEDL

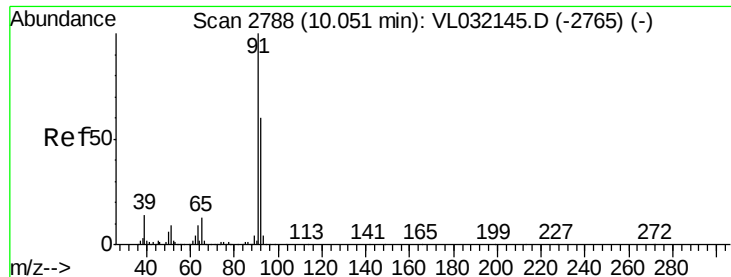
Tgt Ion: 43 Resp: 32479
 Ion Ratio Lower Upper
 43 100
 72 25.5 18.4 27.6



#39
 1,2-Dichloropropane
 Concen: 6.829 ppbv
 RT: 7.38 min Scan# 1957
 Delta R.T. -0.47 min
 Lab File: VL032181.D
 Acq: 2 Jul 2018 14:27

Tgt Ion: 63 Resp: 1035081
 Ion Ratio Lower Upper
 63 100
 41 0.0 53.3 79.9#
 62 17.2 54.8 82.2#





#53

Toluene

Concen: 0.550 ppbv

RT: 10.04 min Scan# 2786

Delta R.T. -0.02 min

Lab File: VL032181.D

Acq: 2 Jul 2018 14:27

Instrument :

MSVOA_L

ClientSampleId :

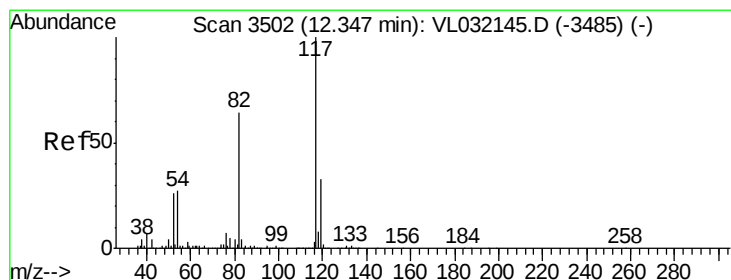
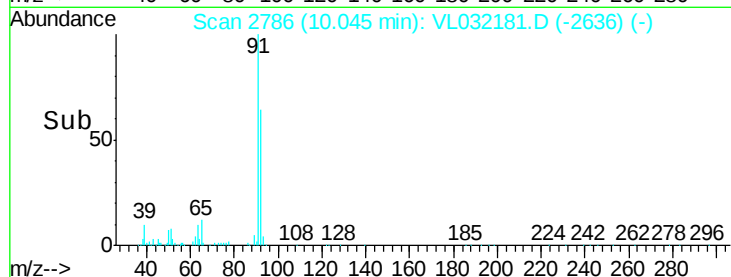
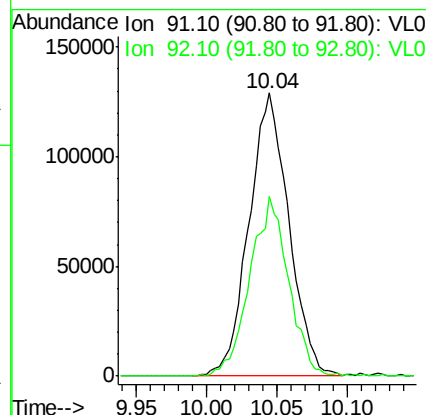
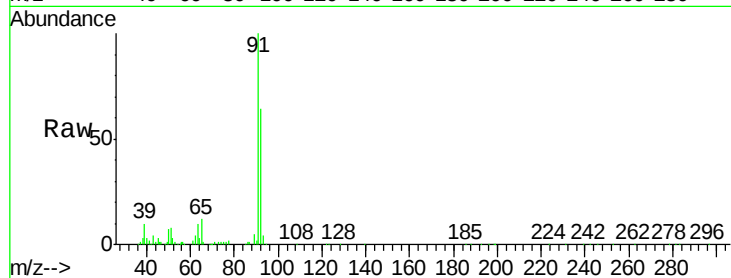
RESIDENT-D-CRAWL-SPACEDL

Tgt Ion: 91 Resp: 255287

Ion Ratio Lower Upper

91 100

92 61.7 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: VL032181.D

Acq: 2 Jul 2018 14:27

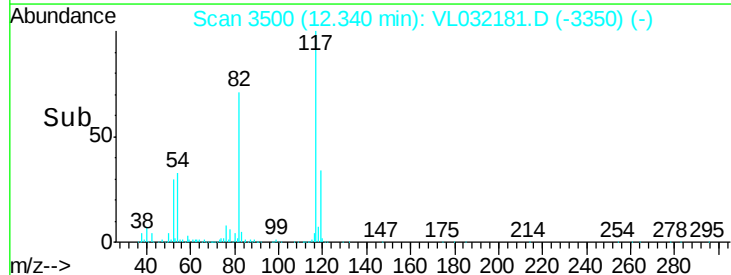
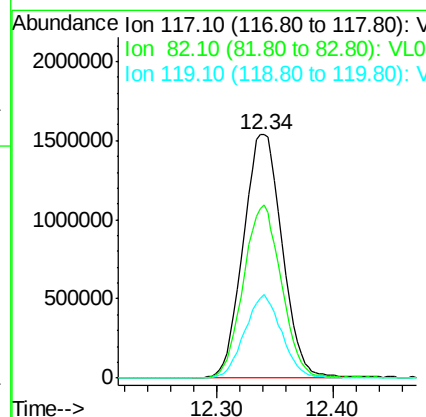
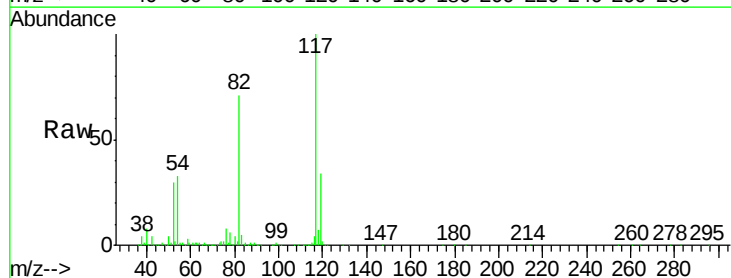
Tgt Ion: 117 Resp: 3597891

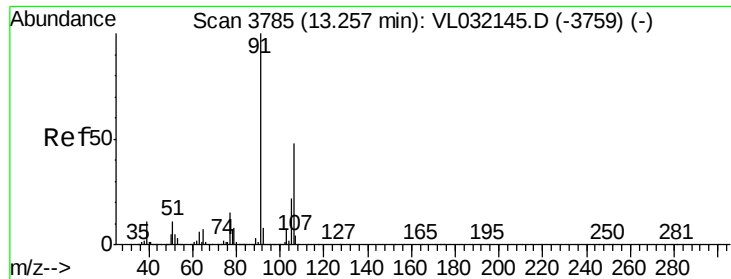
Ion Ratio Lower Upper

117 100

82 70.1 47.8 71.8

119 32.7 43.3 64.9#

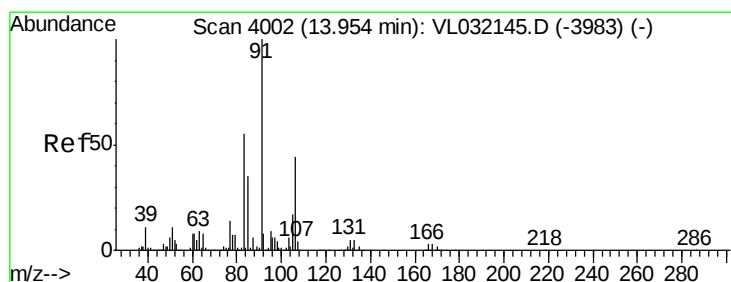
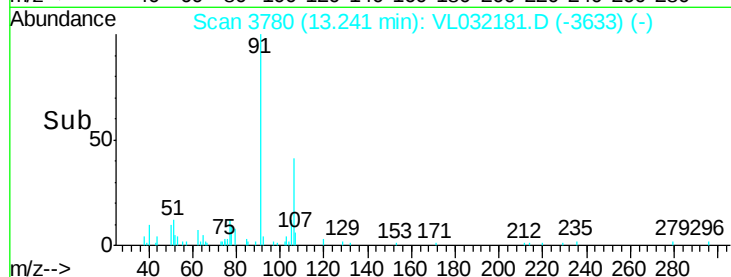
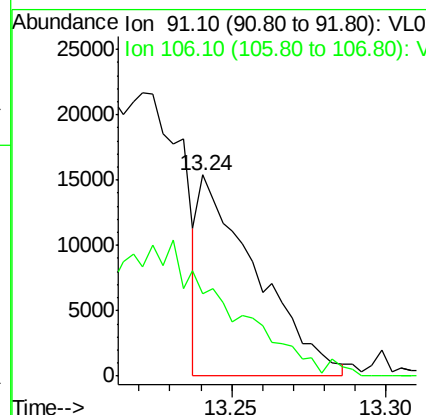
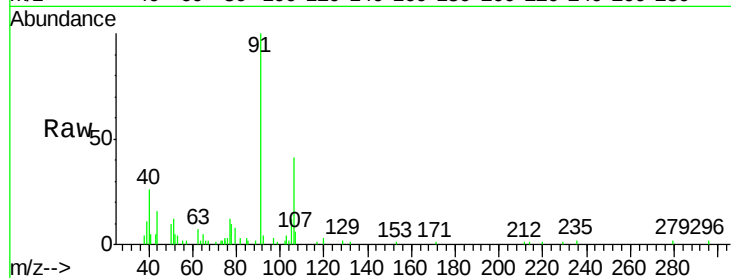




#59
m/p-Xylene
Concen: 0.043 ppbv
RT: 13.24 min Scan# 3780
Delta R.T. -0.03 min
Lab File: VL032181.D
Acq: 2 Jul 2018 14:27

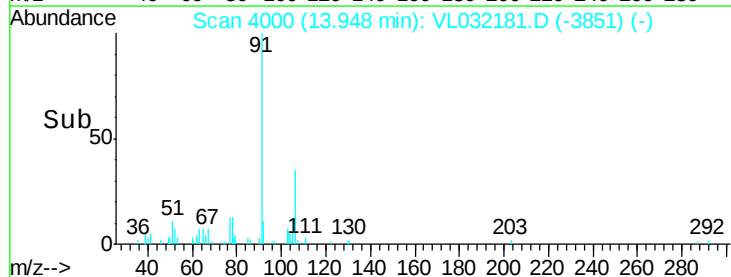
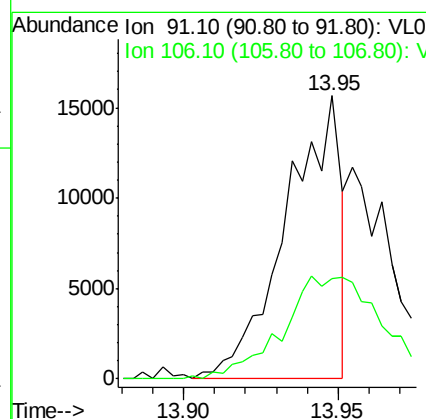
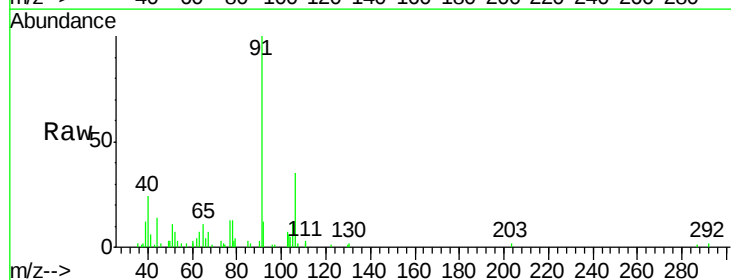
Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-D-CRAWL-SPACEDL

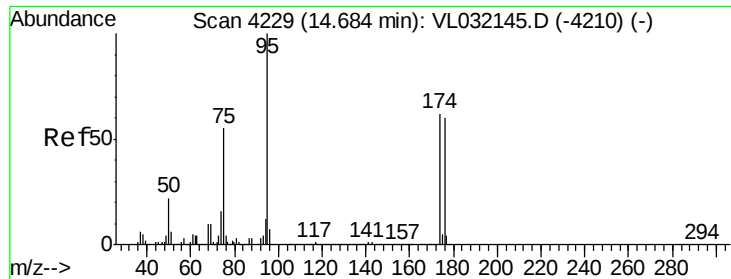
Tgt Ion: 91 Resp: 19862
Ion Ratio Lower Upper
91 100
106 0.0 38.6 58.0#



#60
o-Xylene
Concen: 0.041 ppbv
RT: 13.95 min Scan# 4000
Delta R.T. -0.02 min
Lab File: VL032181.D
Acq: 2 Jul 2018 14:27

Tgt Ion: 91 Resp: 19174
Ion Ratio Lower Upper
91 100
106 67.4 23.3 69.8





#68

1-Bromo-4-Fluorobenzene

Concen: 10.295 ppbv

RT: 14.67 min Scan# 4226

Delta R.T. -0.02 min

Lab File: VL032181.D

Acq: 2 Jul 2018 14:27

Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-D-CRAWL-SPACEDL

Tgt Ion: 95 Resp: 2831341

Ion Ratio Lower Upper

95 100

174 55.5 52.1 78.1

175 4.2 4.0 6.0

