

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062918\
 Data File : VL032163.D
 Acq On : 30 Jun 2018 9:53
 Operator : SY/AP
 Sample : J3601-04
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

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

Quant Time: Jul 02 00:49:37 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	5.85	49	1406322	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	3431706	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.34	117	3565905	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.68	95	2652299	9.73	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.30%	

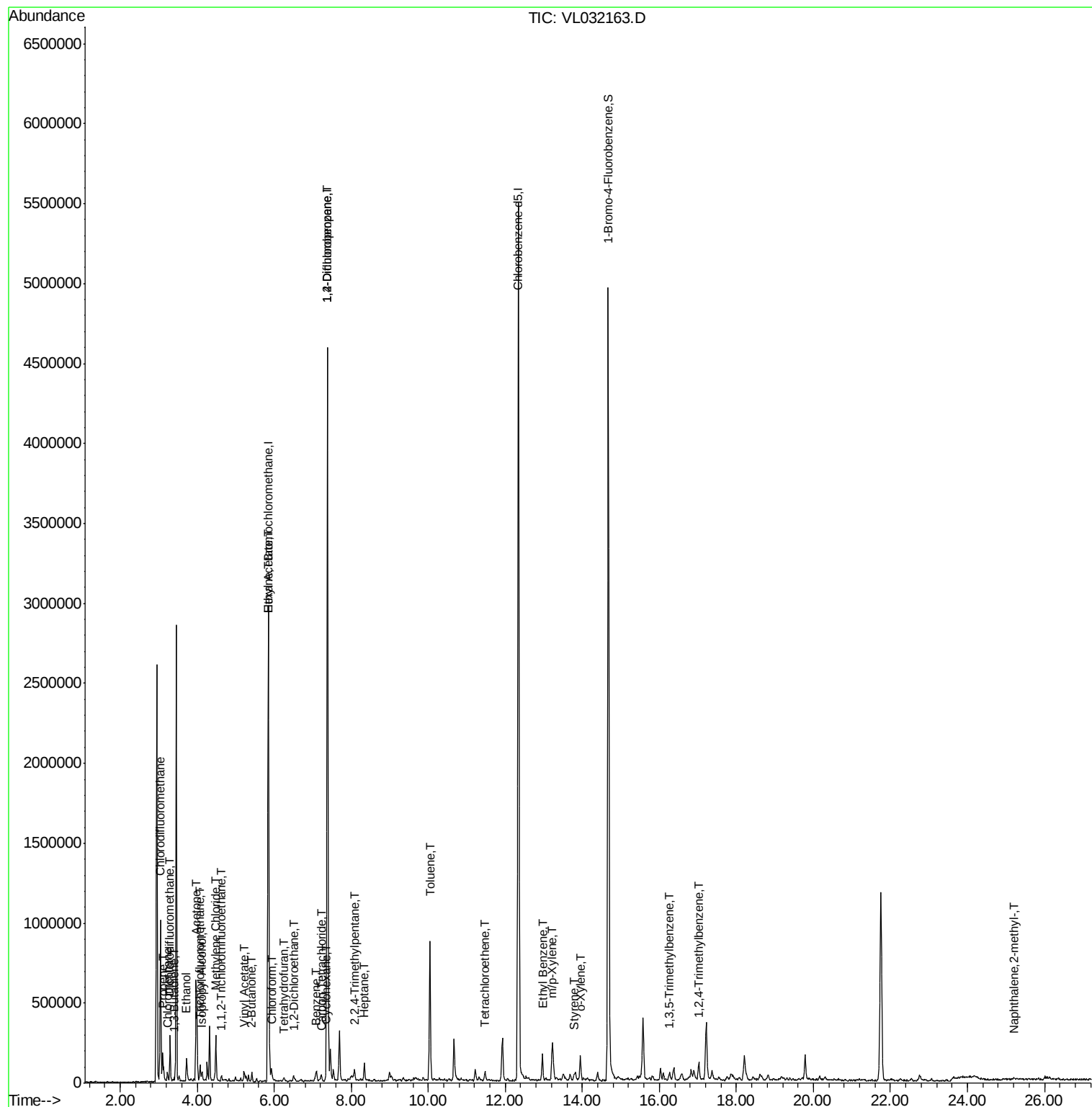
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.28	85	5583	0.030	ppbv	99
3) Chlorodifluoromethane	3.04	51	668209	3.889	ppbv #	65
4) Chloromethane	3.23	50	19316	0.211	ppbv #	85
9) Propene	3.11	41	28013	0.350	ppbv #	78
10) Heptane	8.34	43	43503	0.186	ppbv #	85
11) Trichlorofluoromethane	4.08	101	58308	0.291	ppbv	93
12) 1,1,2-Trichlorotrifluoroet	4.63	101	7815	0.059	ppbv #	66
13) Ethanol	3.72	45	163948	6.753	ppbv	99
15) Acetone	3.97	43	707563	4.303	ppbv	94
16) 1,3-Butadiene	3.40	39	6763	0.086	ppbv #	2
19) Isopropyl Alcohol	4.12	45	20528	0.150	ppbv #	38
20) Methylene Chloride	4.48	84	101033	1.681	ppbv	91
23) Vinyl Acetate	5.23	43	39755	0.133	ppbv #	79
25) Ethyl Acetate	5.86	43	154402	0.454	ppbv #	92
26) Hexane	5.86	57	140731	0.898	ppbv #	61
29) Chloroform	5.93	83	39682	0.174	ppbv	90
30) Cyclohexane	7.33	84	4460	0.030	ppbv #	1
34) 2-Butanone	5.41	43	65830	0.302	ppbv	100
35) Carbon Tetrachloride	7.23	117	22828	0.097	ppbv	93
36) Benzene	7.10	78	12456	0.038	ppbv	94
37) 1,2-Dichloroethane	6.50	62	18392	0.111	ppbv	99
39) 1,2-Dichloropropane	7.38	63	880016	6.718	ppbv #	27
41) Tetrahydrofuran	6.25	42	6294	0.048	ppbv #	37
44) 2,2,4-Trimethylpentane	8.09	57	41617	0.072	ppbv #	65
52) Tetrachloroethene	11.47	164	4373	0.036	ppbv #	43
53) Toluene	10.04	91	700654	1.745	ppbv	99
58) Ethyl Benzene	12.96	91	143656	0.250	ppbv	95
59) m/p-Xylene	13.22	91	250690	0.544	ppbv	96
60) o-Xylene	13.95	91	109990	0.239	ppbv	96
61) Styrene	13.79	104	11857	0.031	ppbv #	43
73) 1,3,5-Trimethylbenzene	16.26	105	19740	0.035	ppbv	90
74) 1,2,4-Trimethylbenzene	17.02	105	36801	0.065	ppbv #	80
80) Naphthalene,2-methyl-	25.20	142	6490	0.035	ppbv	94

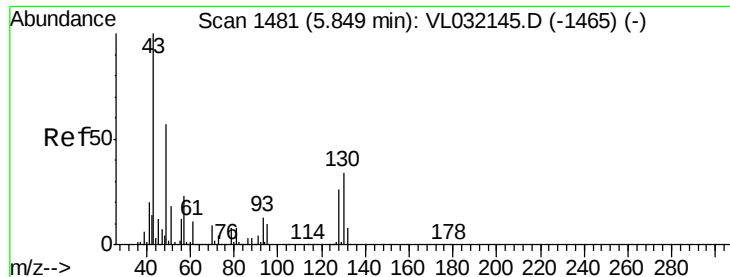
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jun 29 22:27:58 2018
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.85 min Scan# 1480

Delta R.T. -0.02 min

Lab File: VL032163.D

Acq: 30 Jun 2018 9:53

Instrument :

MSVOA_L

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RESIDENT-A-CRAWL-SPACE

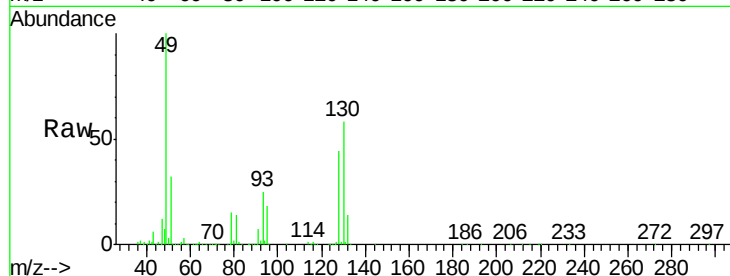
Tgt Ion: 49 Resp: 1406322

Ion Ratio Lower Upper

49 100

128 45.7 23.4 70.0

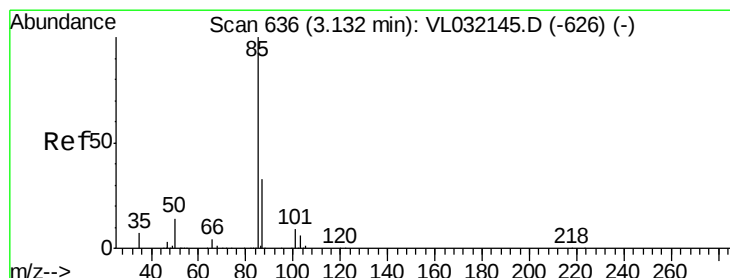
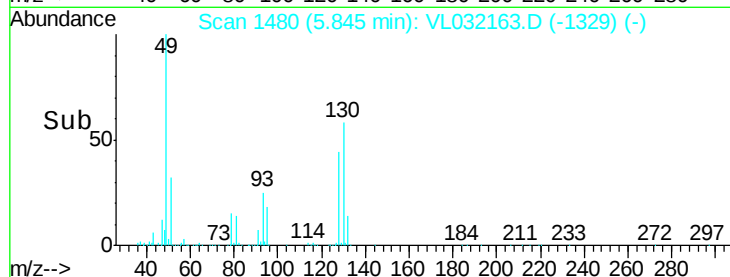
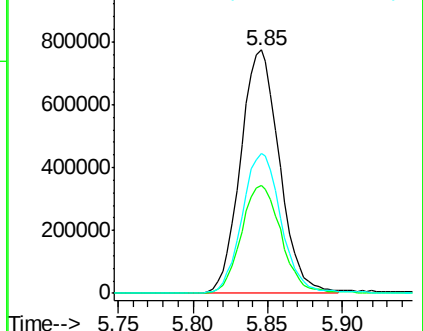
130 58.0 30.3 90.9



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: 0.030 ppbv

RT: 3.28 min Scan# 683

Delta R.T. 0.14 min

Lab File: VL032163.D

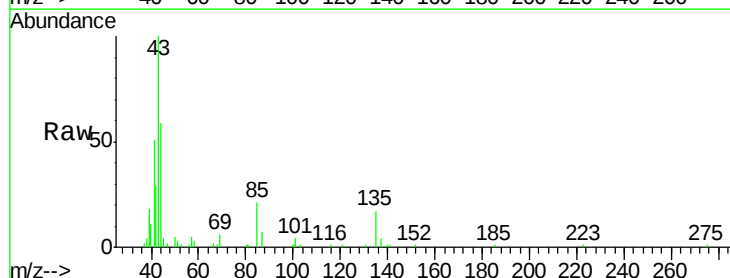
Acq: 30 Jun 2018 9:53

Tgt Ion: 85 Resp: 5583

Ion Ratio Lower Upper

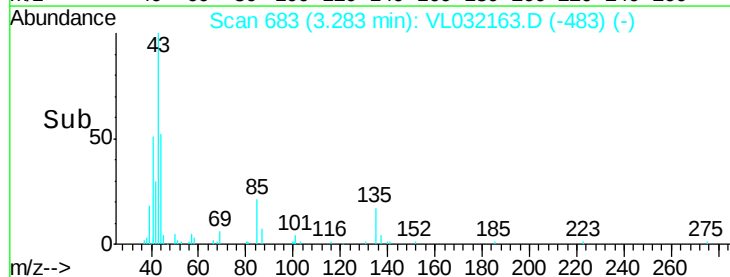
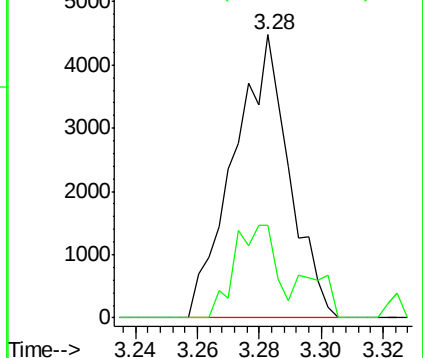
85 100

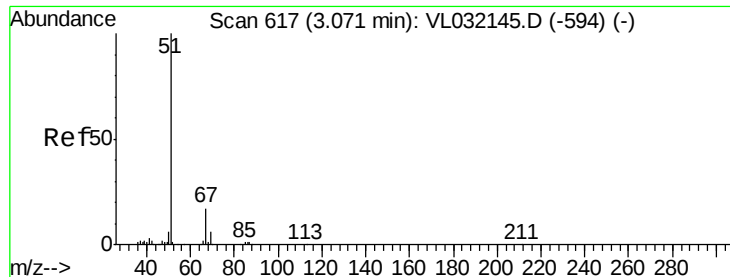
87 32.8 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 3.889 ppbv

RT: 3.04 min Scan# 609

Delta R.T. -0.03 min

Lab File: VL032163.D

Acq: 30 Jun 2018 9:53

Instrument :

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ClientSampleId :

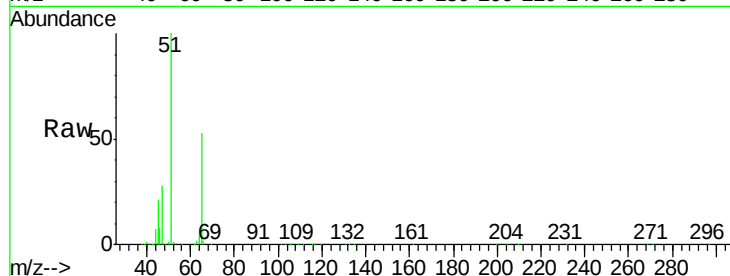
RESIDENT-A-CRAWL-SPACE

Tgt Ion: 51 Resp: 668209

Ion Ratio Lower Upper

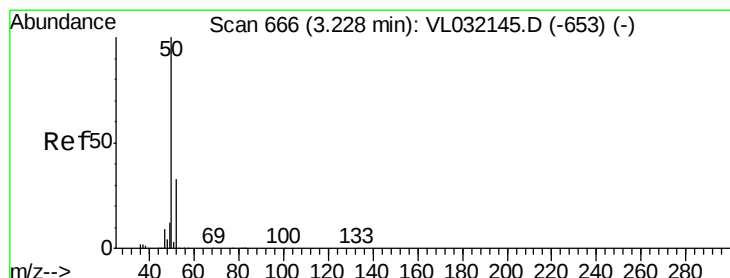
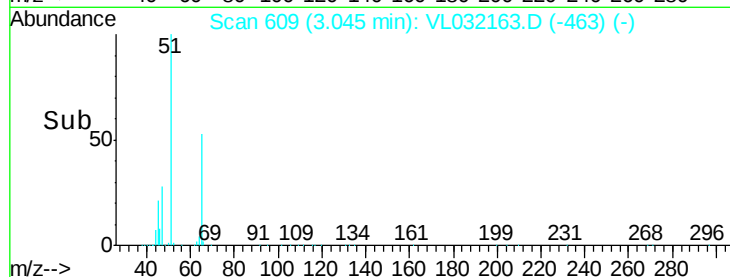
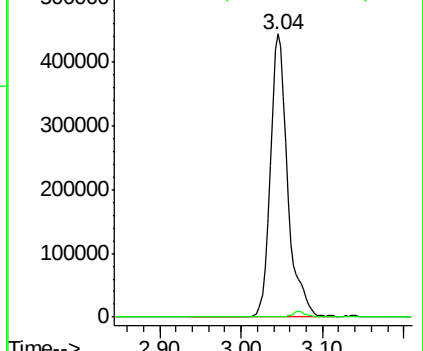
51 100

67 1.7 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: 0.211 ppbv

RT: 3.23 min Scan# 665

Delta R.T. -0.01 min

Lab File: VL032163.D

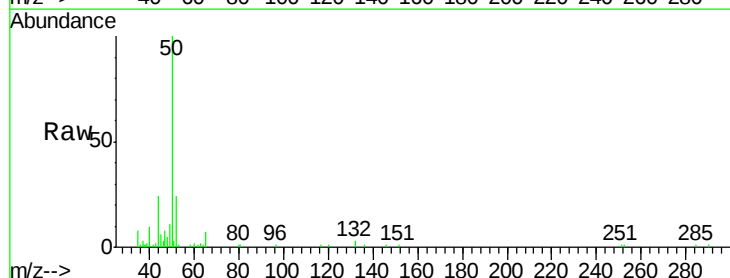
Acq: 30 Jun 2018 9:53

Tgt Ion: 50 Resp: 19316

Ion Ratio Lower Upper

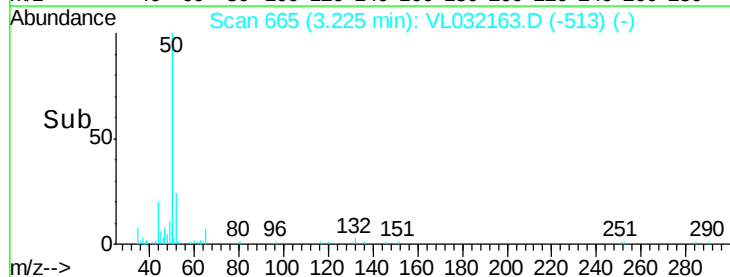
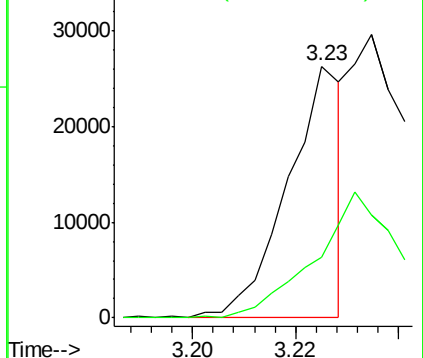
50 100

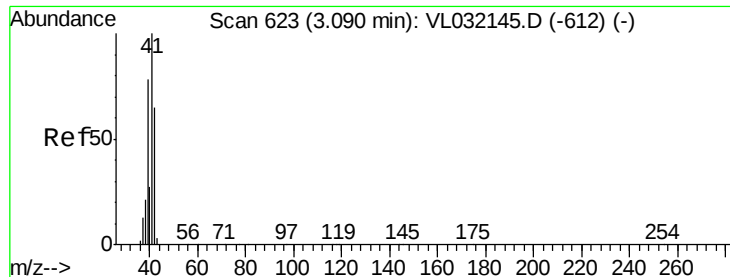
52 24.3 26.0 39.0#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.350 ppbv

RT: 3.11 min Scan# 628

Delta R.T. 0.01 min

Lab File: VL032163.D

Acq: 30 Jun 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

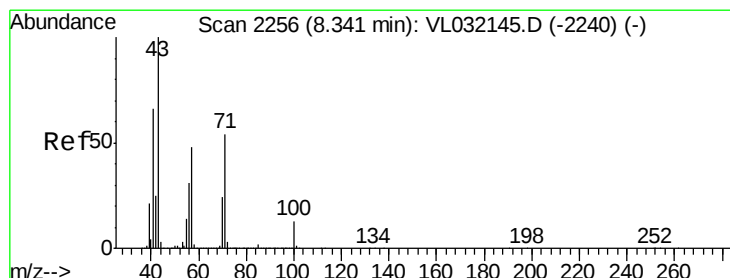
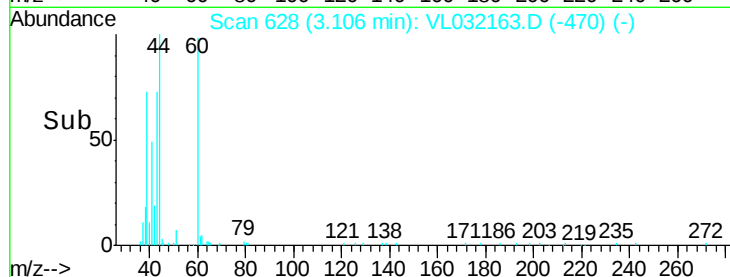
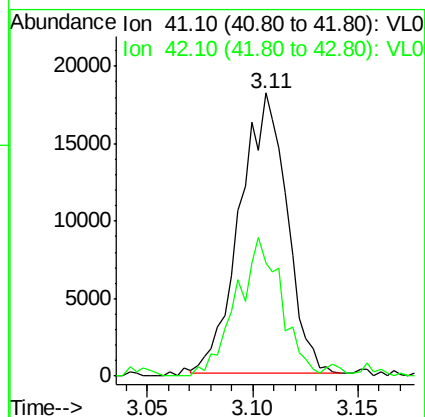
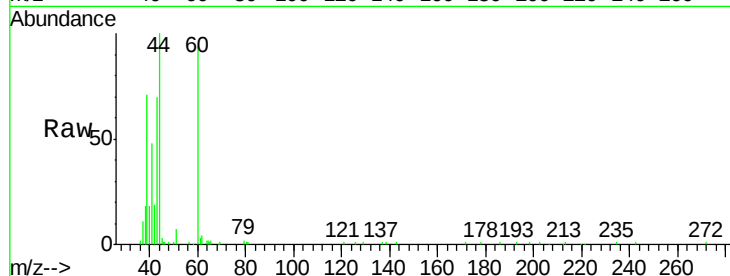
RESIDENT-A-CRAWL-SPACE

Tgt Ion: 41 Resp: 28013

Ion Ratio Lower Upper

41 100

42 51.9 56.2 84.4#



#10

Heptane

Concen: 0.186 ppbv

RT: 8.34 min Scan# 2256

Delta R.T. -0.02 min

Lab File: VL032163.D

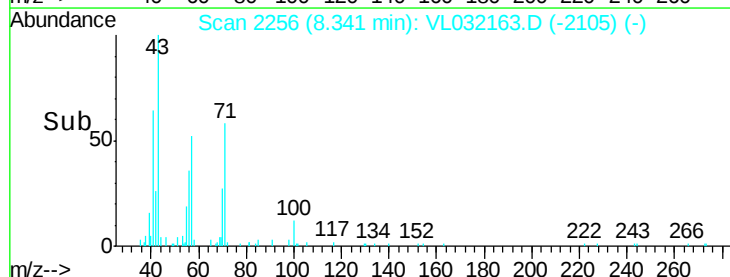
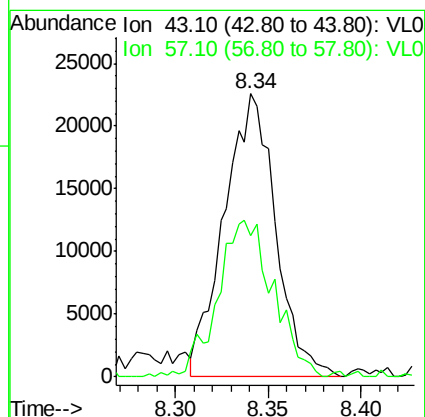
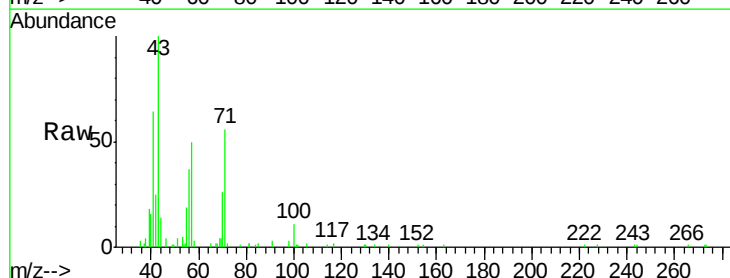
Acq: 30 Jun 2018 9:53

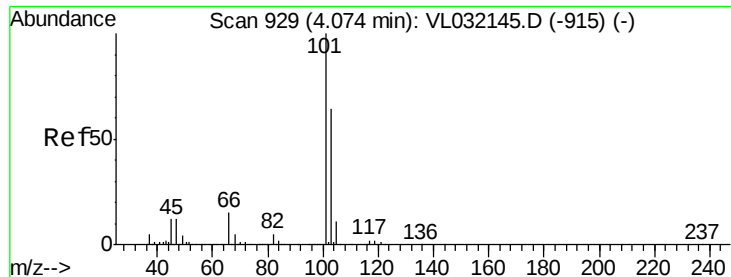
Tgt Ion: 43 Resp: 43503

Ion Ratio Lower Upper

43 100

57 60.4 39.8 59.8#





#11

Trichlorofluoromethane

Concen: 0.291 ppbv

RT: 4.08 min Scan# 930

Delta R.T. -0.01 min

Lab File: VL032163.D

Acq: 30 Jun 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

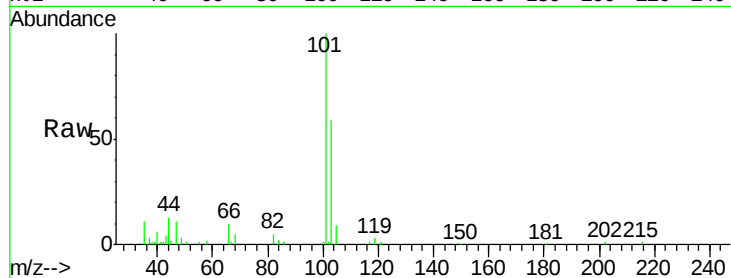
RESIDENT-A-CRAWL-SPACE

Tgt Ion:101 Resp: 58308

Ion Ratio Lower Upper

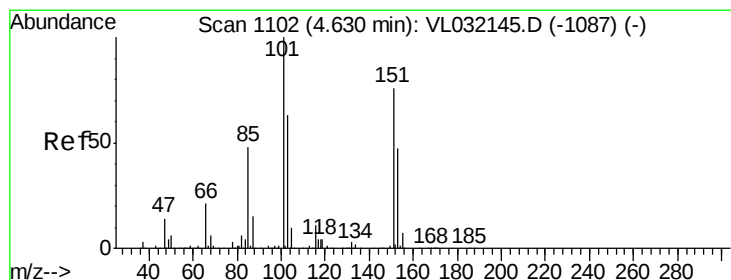
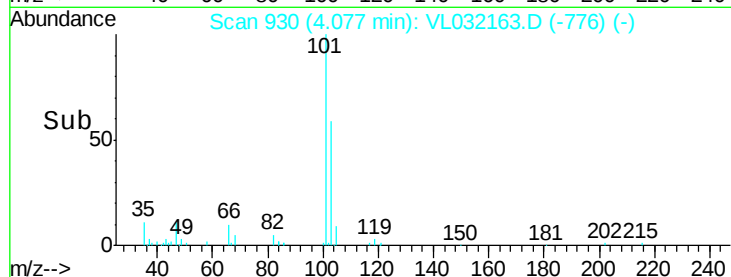
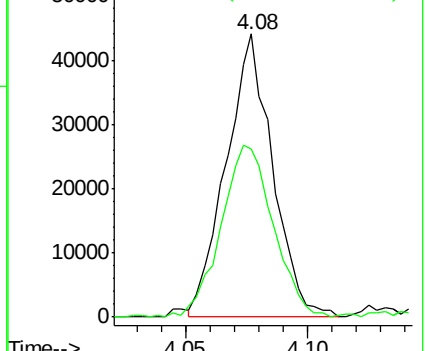
101 100

103 58.5 51.4 77.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.059 ppbv

RT: 4.63 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VL032163.D

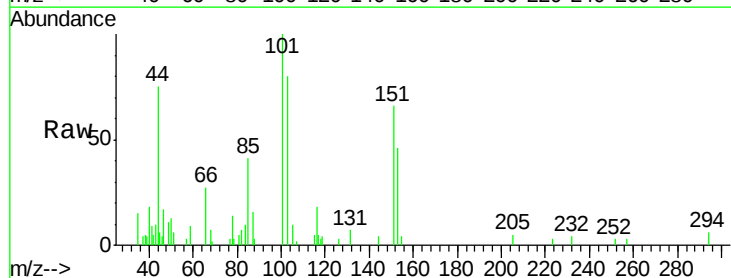
Acq: 30 Jun 2018 9:53

Tgt Ion:101 Resp: 7815

Ion Ratio Lower Upper

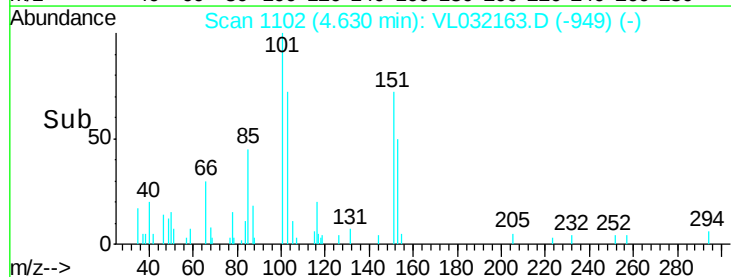
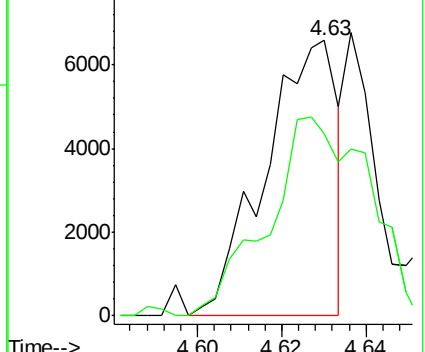
101 100

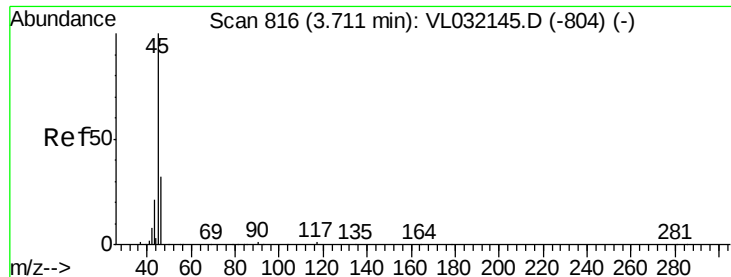
151 102.3 58.8 88.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 6.753 ppbv

RT: 3.72 min Scan# 820

Delta R.T. 0.00 min

Lab File: VL032163.D

Acq: 30 Jun 2018 9:53

Instrument :

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ClientSampleId :

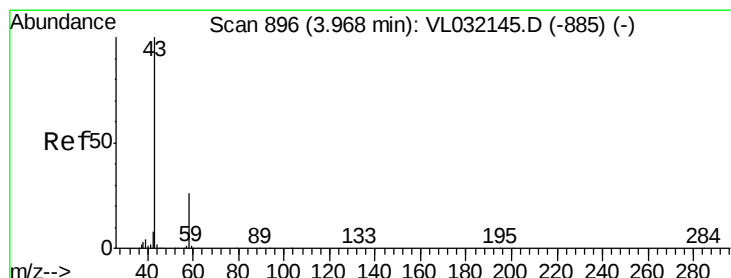
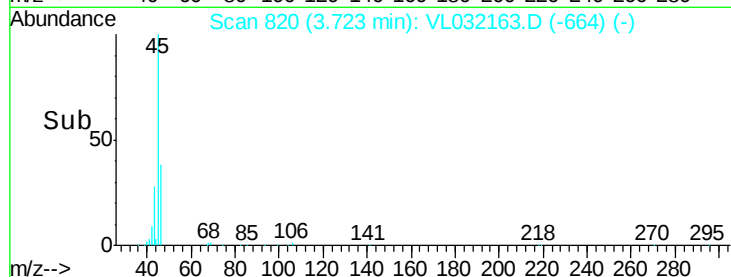
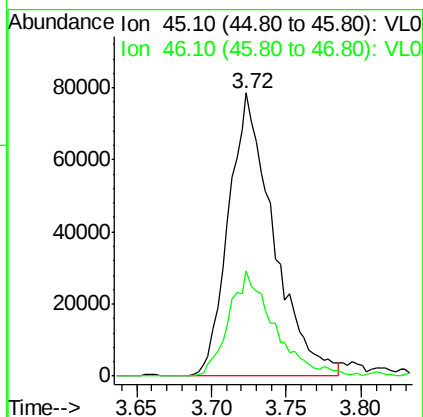
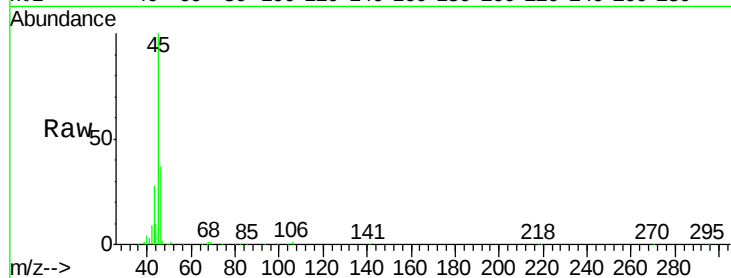
RESIDENT-A-CRAWL-SPACE

Tgt Ion: 45 Resp: 163948

Ion Ratio Lower Upper

45 100

46 37.2 14.6 58.4



#15

Acetone

Concen: 4.303 ppbv

RT: 3.97 min Scan# 898

Delta R.T. -0.00 min

Lab File: VL032163.D

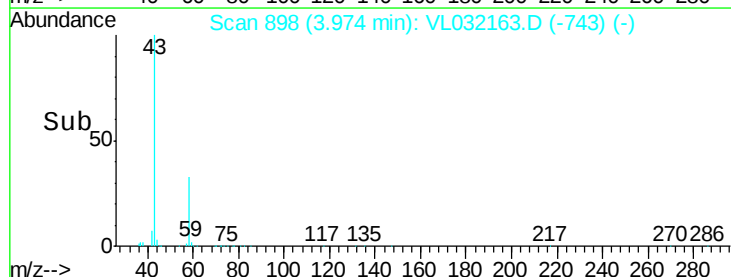
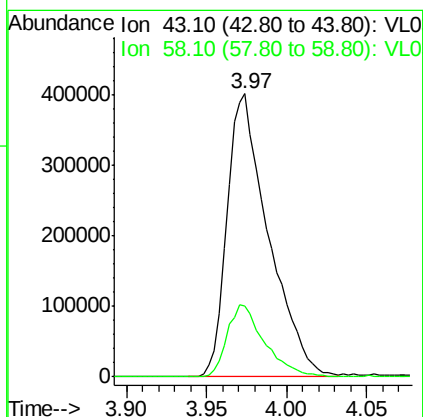
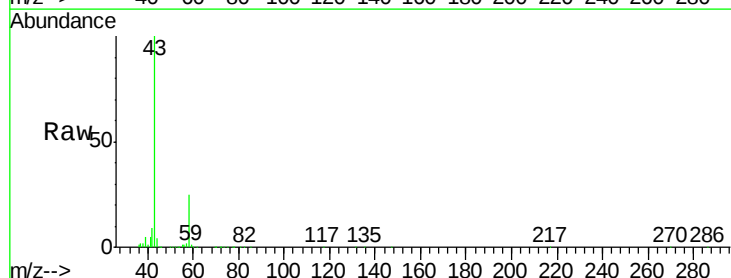
Acq: 30 Jun 2018 9:53

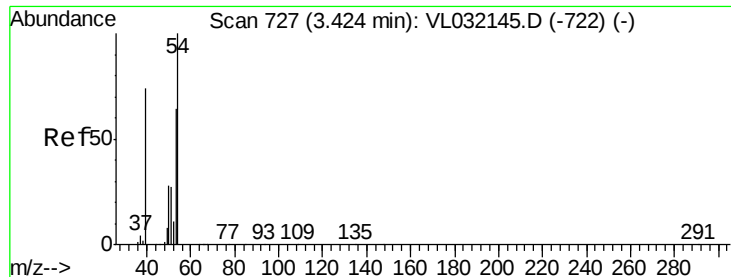
Tgt Ion: 43 Resp: 707563

Ion Ratio Lower Upper

43 100

58 23.4 21.4 32.0

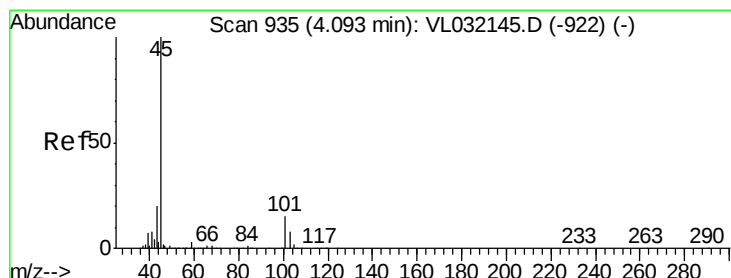
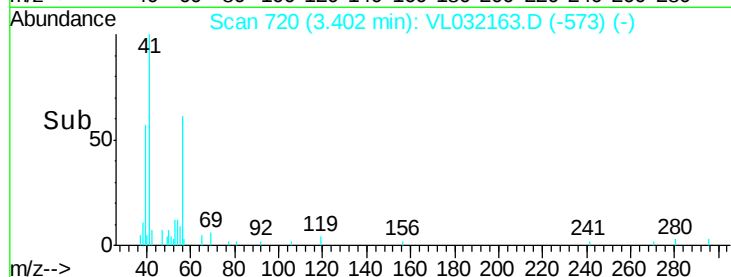
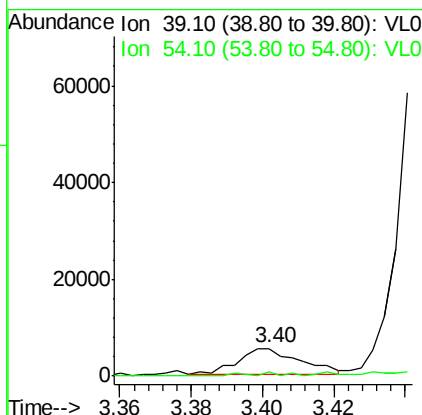
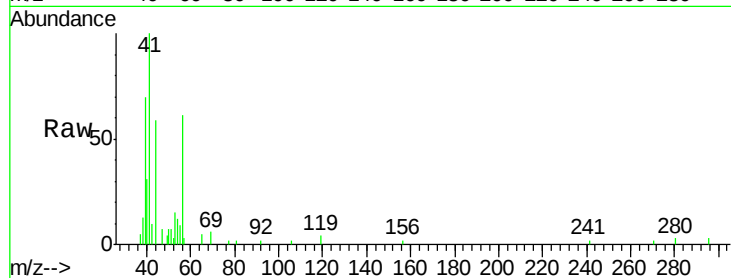




#16
 1,3-Butadiene
 Concen: 0.086 ppbv
 RT: 3.40 min Scan# 720
 Delta R.T. -0.03 min
 Lab File: VL032163.D
 Acq: 30 Jun 2018 9:53

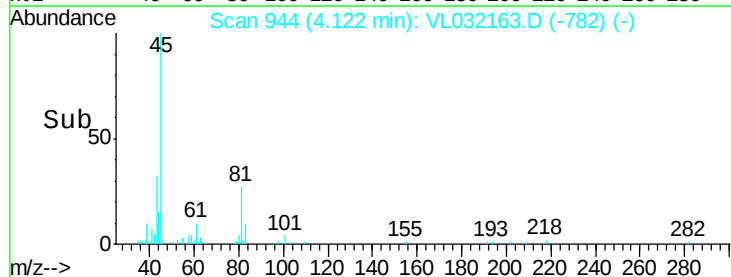
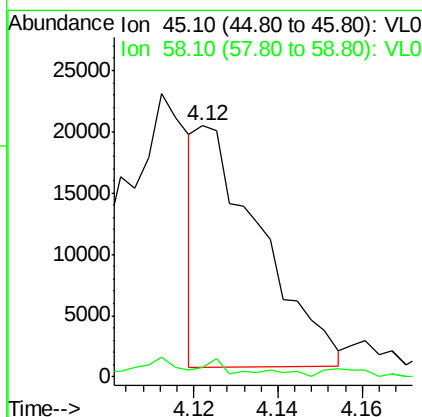
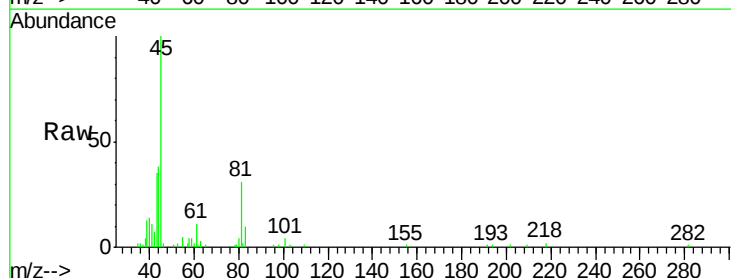
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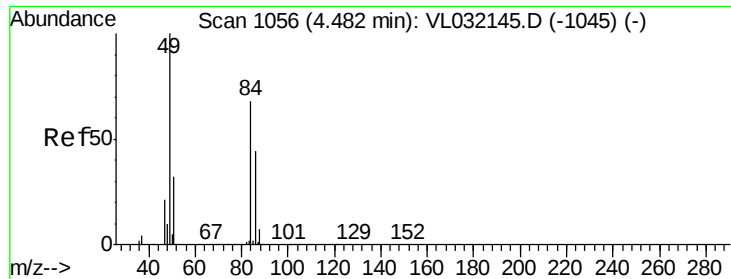
Tgt Ion: 39 Resp: 6763
 Ion Ratio Lower Upper
 39 100
 54 0.0 75.8 113.6#



#19
 Isopropyl Alcohol
 Concen: 0.150 ppbv
 RT: 4.12 min Scan# 944
 Delta R.T. 0.02 min
 Lab File: VL032163.D
 Acq: 30 Jun 2018 9:53

Tgt Ion: 45 Resp: 20528
 Ion Ratio Lower Upper
 45 100
 58 0.0 29.4 44.0#

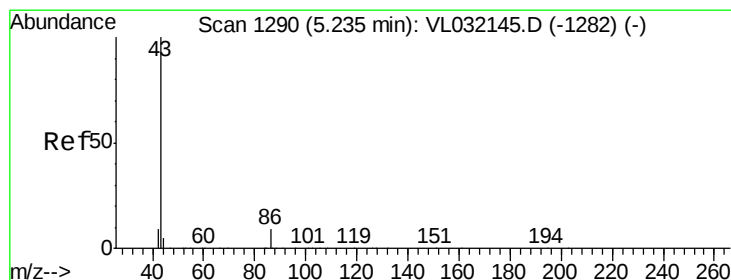
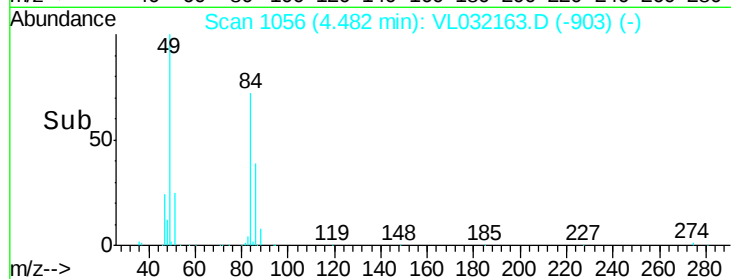
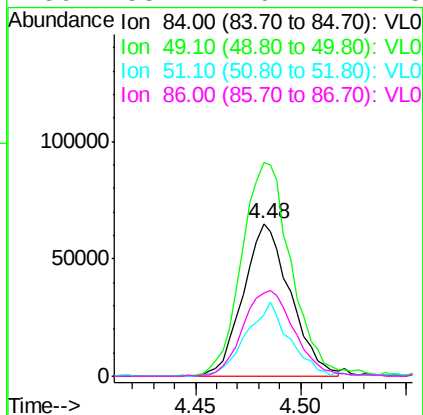
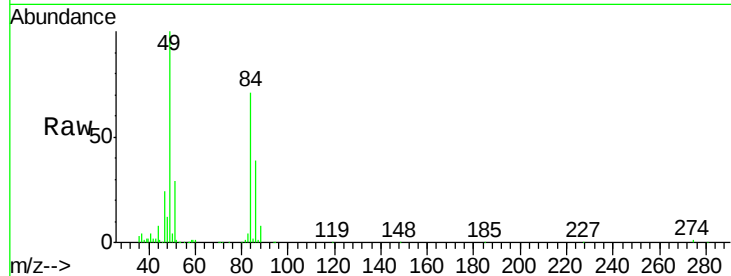




#20
Methylene Chloride
Concen: 1.681 ppbv
RT: 4.48 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VL032163.D
Acq: 30 Jun 2018 9:53

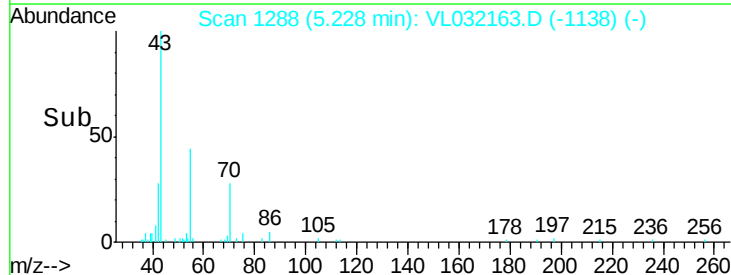
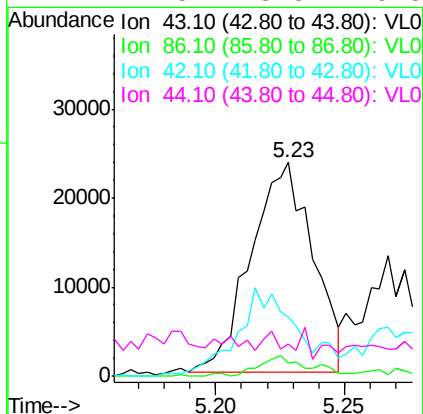
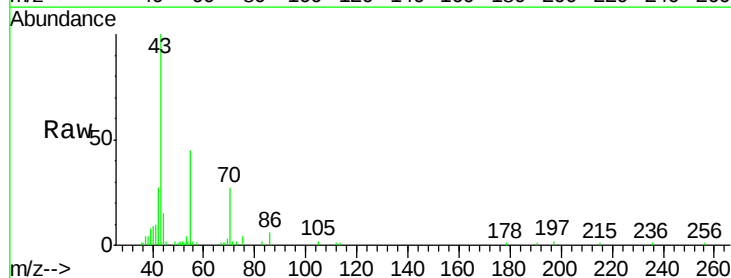
Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-A-CRAWL-SPACE

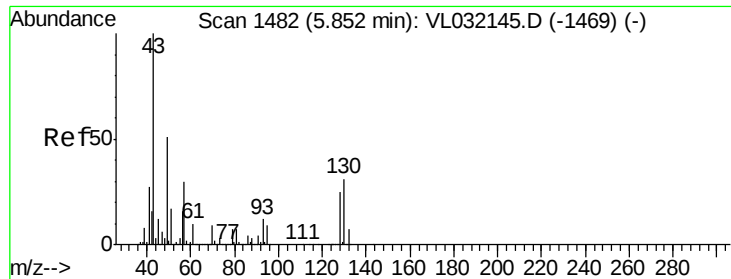
Tgt Ion:	84	Resp:	101033
Ion	Ratio	Lower	Upper
84	100		
49	139.6	119.6	179.4
51	40.1	36.3	54.5
86	53.7	49.7	74.5



#23
Vinyl Acetate
Concen: 0.133 ppbv
RT: 5.23 min Scan# 1288
Delta R.T. -0.02 min
Lab File: VL032163.D
Acq: 30 Jun 2018 9:53

Tgt Ion:	43	Resp:	39755
Ion	Ratio	Lower	Upper
43	100		
86	6.1	6.2	9.4#
42	25.3	6.9	10.3#
44	4.5	3.8	5.8

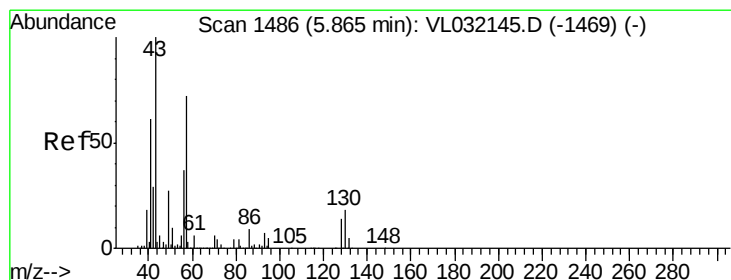
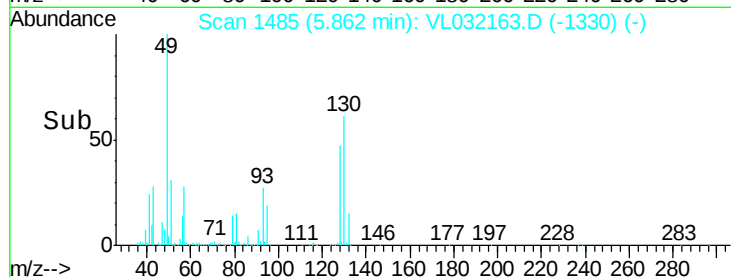
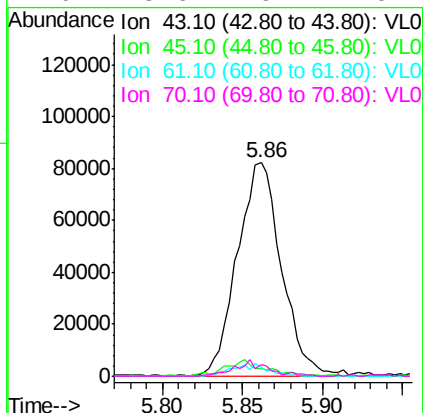
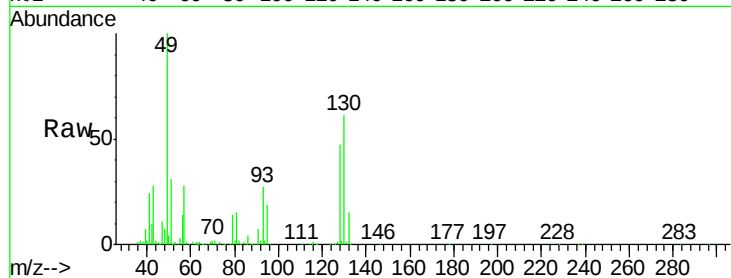




#25
Ethyl Acetate
Concen: 0.454 ppbv
RT: 5.86 min Scan# 1485
Delta R.T. -0.00 min
Lab File: VL032163.D
Acq: 30 Jun 2018 9:53

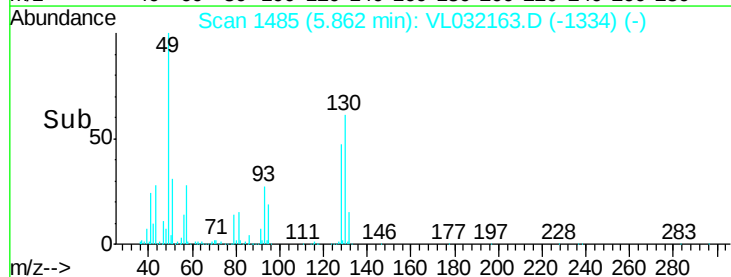
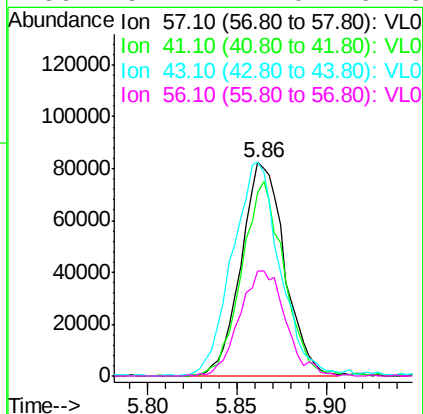
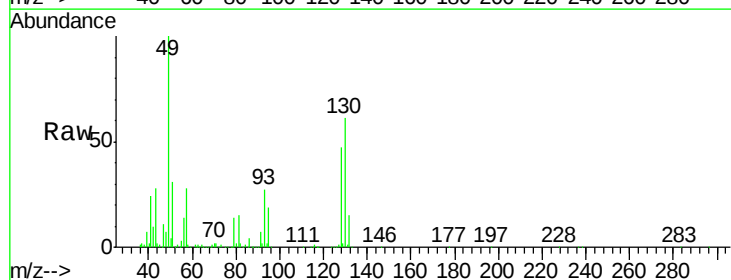
Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-A-CRAWL-SPACE

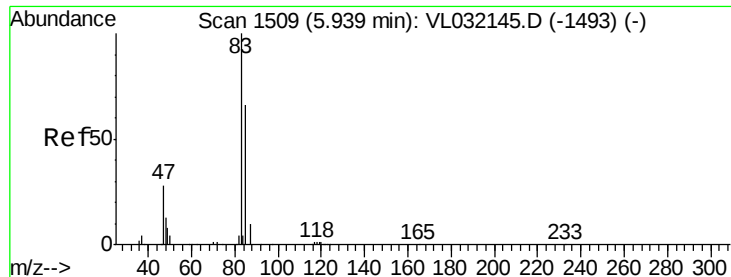
Tgt Ion:	43	Resp:	154402
Ion	Ratio	Lower	Upper
43	100		
45	7.7	7.8	11.8#
61	5.0	7.4	11.0#
70	5.6	6.1	9.1#



#26
Hexane
Concen: 0.898 ppbv
RT: 5.86 min Scan# 1485
Delta R.T. -0.02 min
Lab File: VL032163.D
Acq: 30 Jun 2018 9:53

Tgt Ion:	57	Resp:	140731
Ion	Ratio	Lower	Upper
57	100		
41	88.8	68.6	103.0
43	111.7	168.6	252.8#
56	52.1	41.0	61.6





#29

Chloroform

Concen: 0.174 ppbv

RT: 5.93 min Scan# 1507

Delta R.T. -0.02 min

Lab File: VL032163.D

Acq: 30 Jun 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

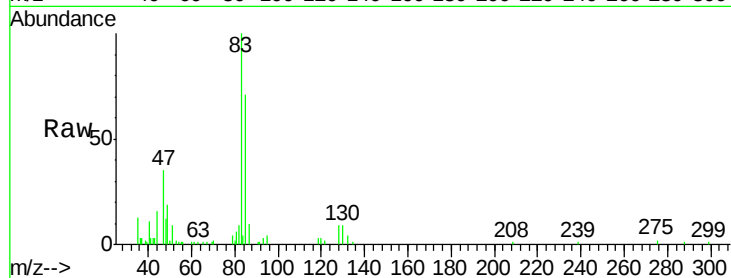
RESIDENT-A-CRAWL-SPACE

Tgt Ion: 83 Resp: 39682

Ion Ratio Lower Upper

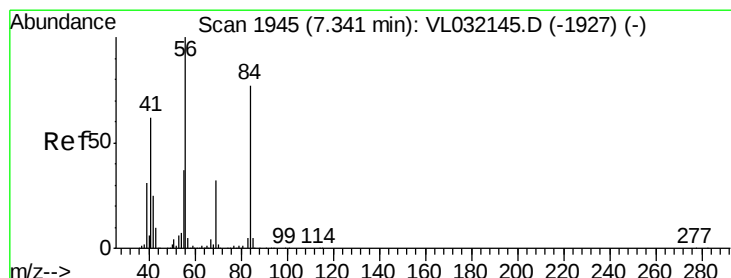
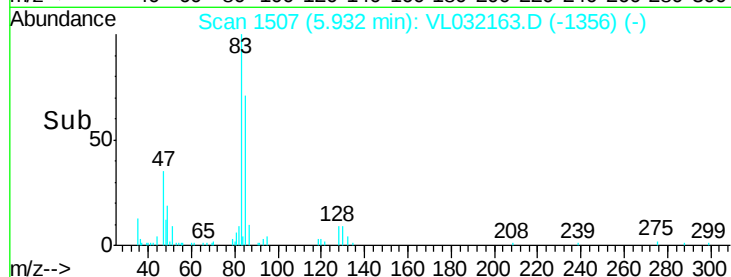
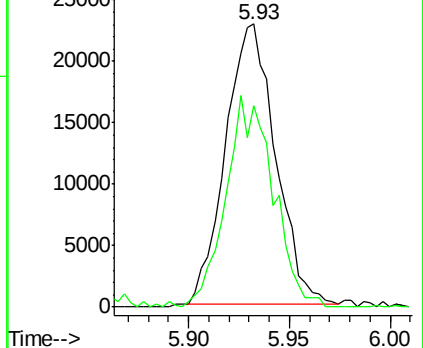
83 100

85 72.1 51.6 77.4



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#30

Cyclohexane

Concen: 0.030 ppbv

RT: 7.33 min Scan# 1943

Delta R.T. -0.02 min

Lab File: VL032163.D

Acq: 30 Jun 2018 9:53

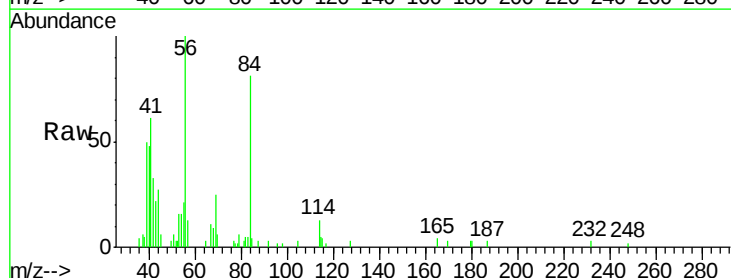
Tgt Ion: 84 Resp: 4460

Ion Ratio Lower Upper

84 100

56 0.0 109.1 163.7#

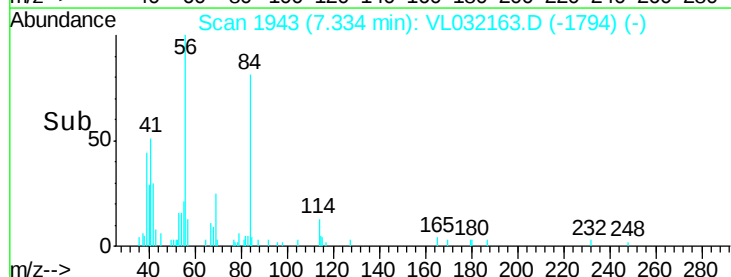
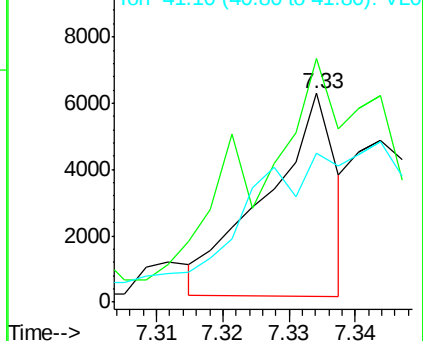
41 0.0 64.6 96.8#

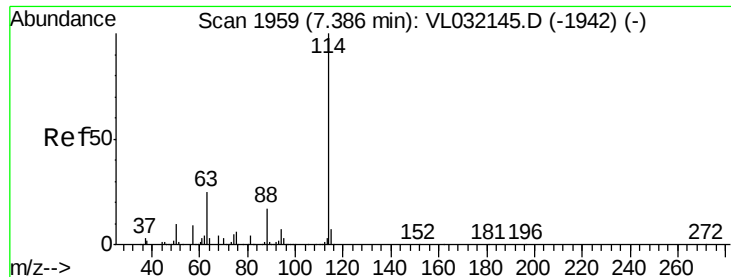


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

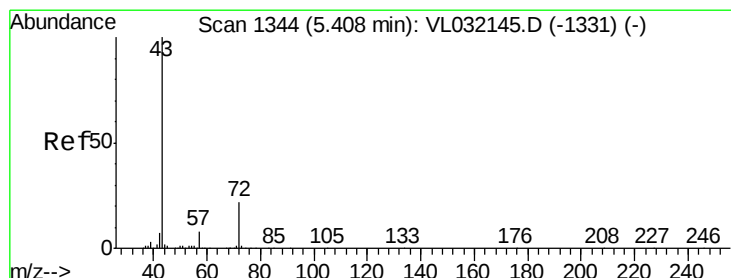
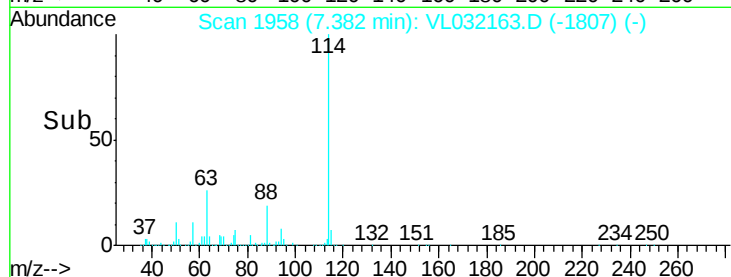
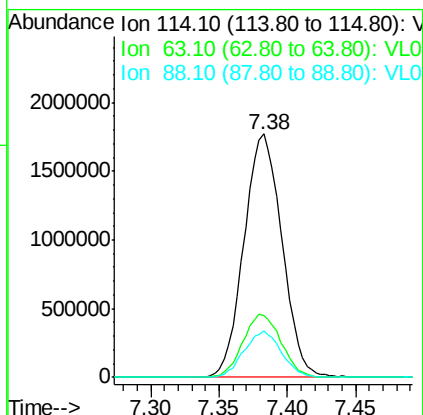
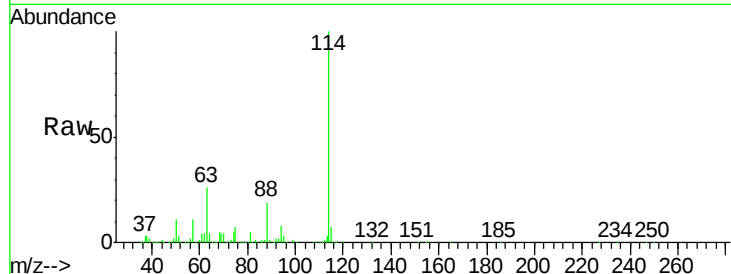




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.38 min Scan# 1958
 Delta R.T. -0.02 min
 Lab File: VL032163.D
 Acq: 30 Jun 2018 9:53

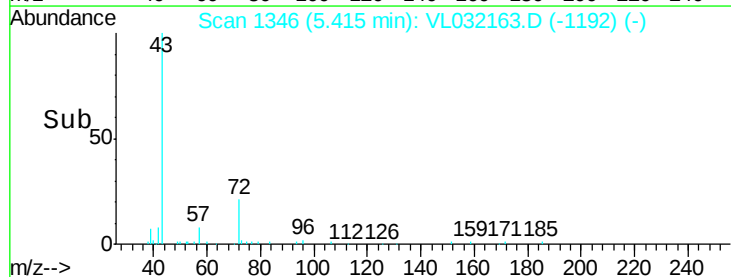
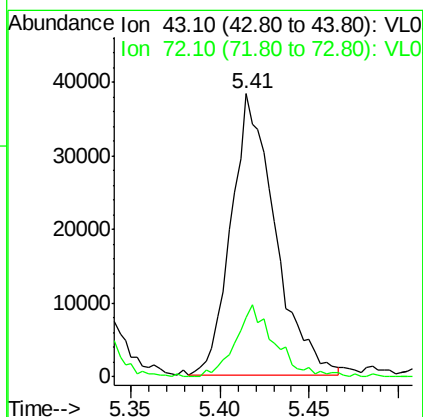
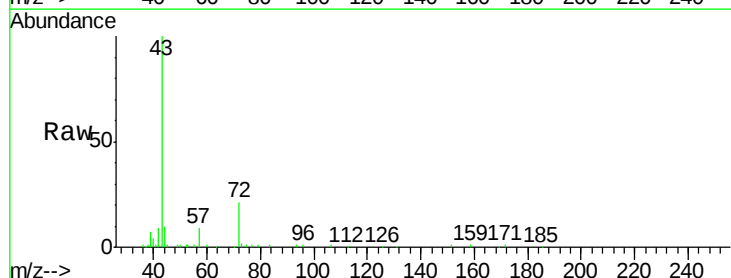
Instrument :
 MSVOA_L
 ClientSampleId :
 RESIDENT-A-CRAWL-SPACE

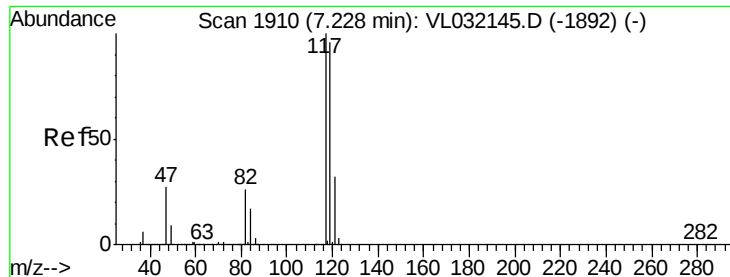
Tgt Ion:114 Resp: 3431706
 Ion Ratio Lower Upper
 114 100
 63 26.1 19.1 28.7
 88 18.7 13.9 20.9



#34
 2-Butanone
 Concen: 0.302 ppbv
 RT: 5.41 min Scan# 1346
 Delta R.T. -0.01 min
 Lab File: VL032163.D
 Acq: 30 Jun 2018 9:53

Tgt Ion: 43 Resp: 65830
 Ion Ratio Lower Upper
 43 100
 72 23.1 18.4 27.6





#35

Carbon Tetrachloride

Concen: 0.097 ppbv

RT: 7.23 min Scan# 1910

Delta R.T. -0.01 min

Lab File: VL032163.D

Acq: 30 Jun 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-A-CRAWL-SPACE

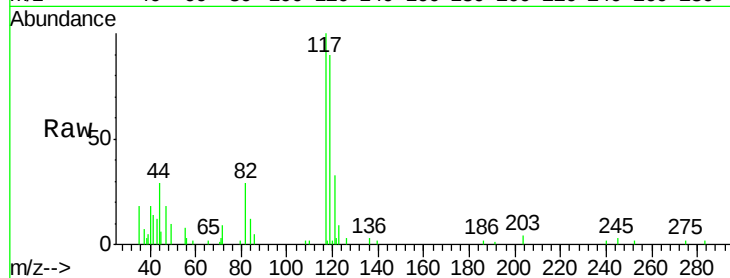
Tgt Ion: 117 Resp: 22828

Ion Ratio Lower Upper

117 100

119 88.0 74.8 112.2

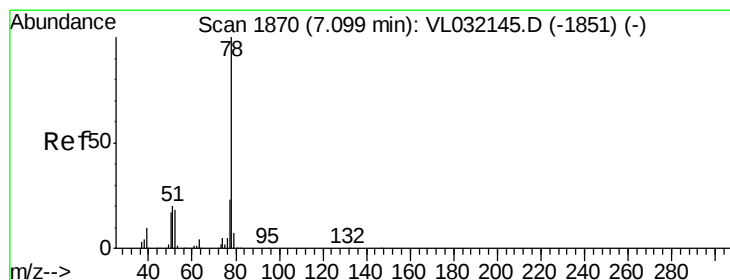
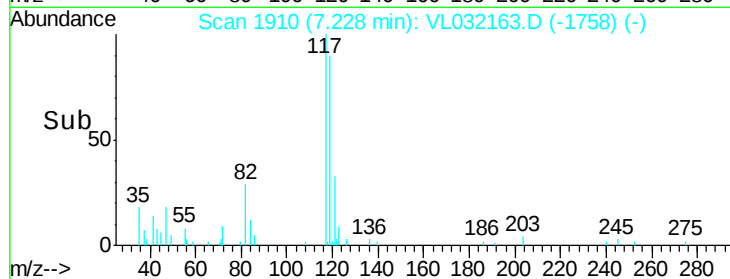
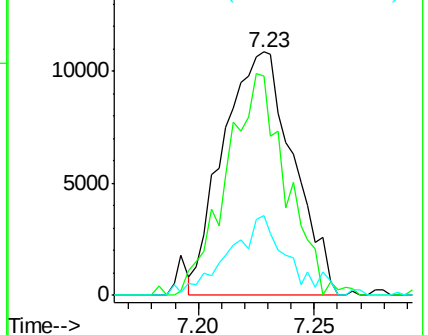
121 35.1 24.0 36.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.038 ppbv

RT: 7.10 min Scan# 1870

Delta R.T. -0.01 min

Lab File: VL032163.D

Acq: 30 Jun 2018 9:53

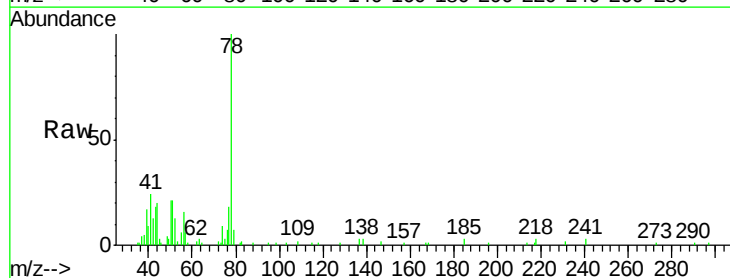
Tgt Ion: 78 Resp: 12456

Ion Ratio Lower Upper

78 100

77 18.7 17.7 26.5

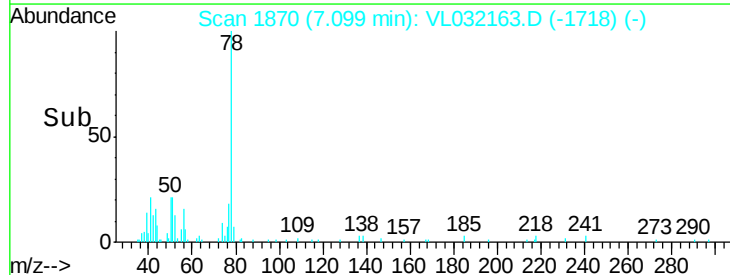
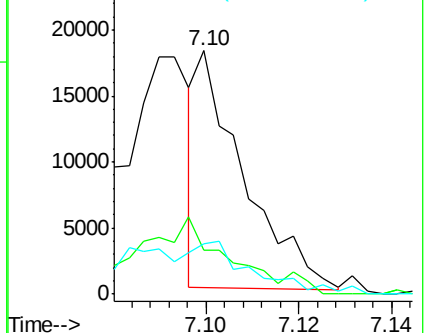
50 19.8 14.0 21.0

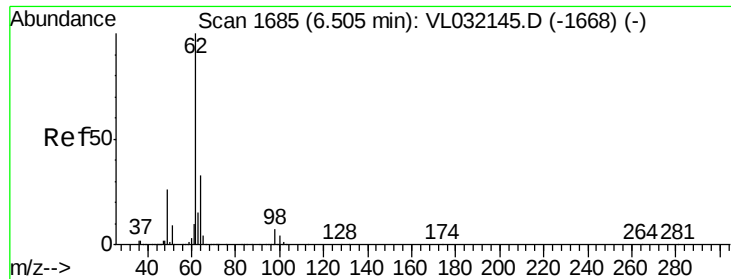


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

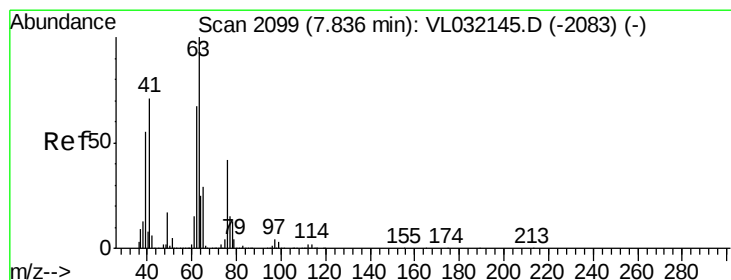
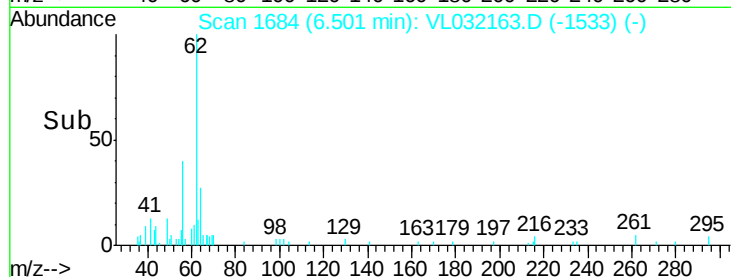
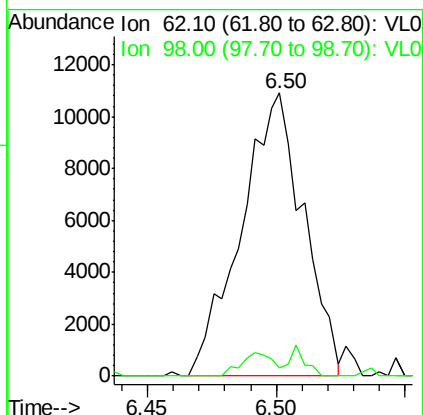
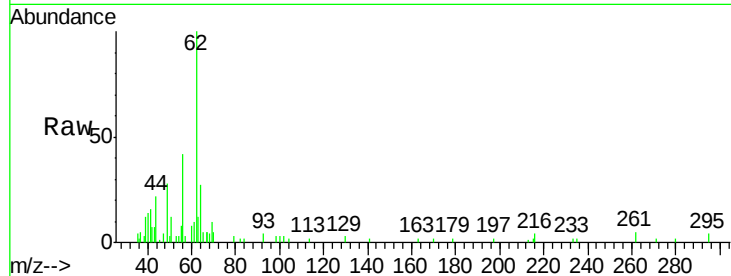




#37
 1,2-Dichloroethane
 Concen: 0.111 ppbv
 RT: 6.50 min Scan# 1684
 Delta R.T. -0.02 min
 Lab File: VL032163.D
 Acq: 30 Jun 2018 9:53

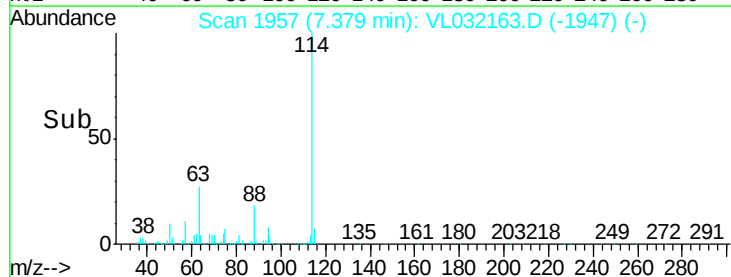
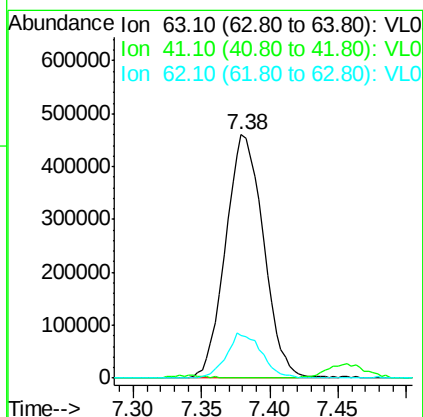
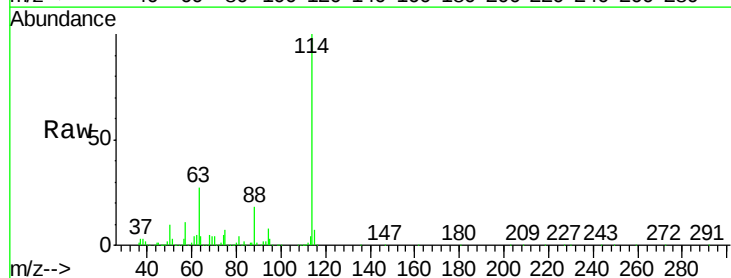
Instrument :
 MSVOA_L
 ClientSampleId :
 RESIDENT-A-CRAWL-SPACE

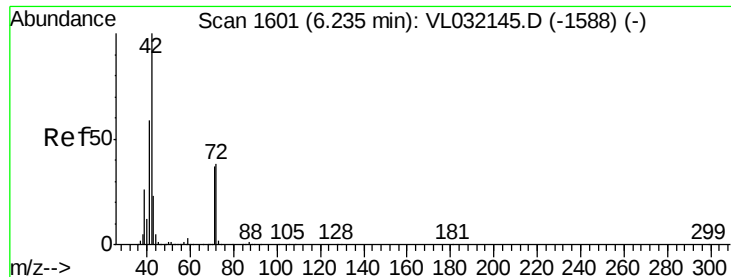
Tgt Ion: 62 Resp: 18392
 Ion Ratio Lower Upper
 62 100
 98 7.5 5.8 8.6



#39
 1,2-Dichloropropane
 Concen: 6.718 ppbv
 RT: 7.38 min Scan# 1957
 Delta R.T. -0.47 min
 Lab File: VL032163.D
 Acq: 30 Jun 2018 9:53

Tgt Ion: 63 Resp: 880016
 Ion Ratio Lower Upper
 63 100
 41 0.0 53.3 79.9#
 62 17.3 54.8 82.2#





#41

Tetrahydrofuran

Concen: 0.048 ppbv

RT: 6.25 min Scan# 1605

Delta R.T. 0.00 min

Lab File: VL032163.D

Acq: 30 Jun 2018 9:53

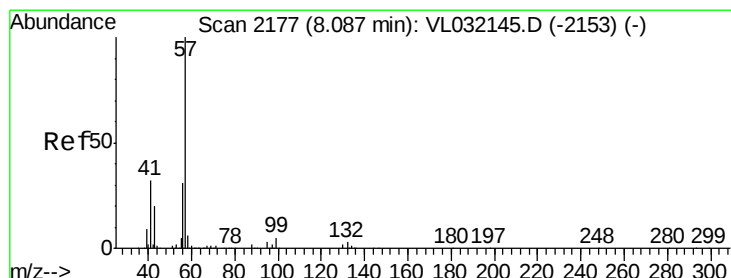
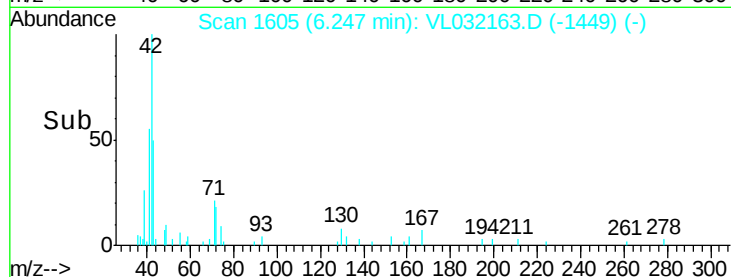
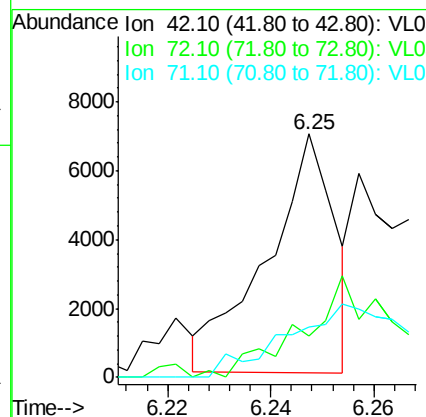
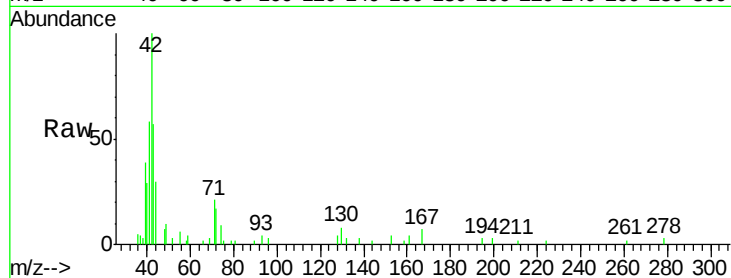
Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-A-CRAWL-SPACE

Tgt Ion:	42	Resp:	6294
Ion	Ratio	Lower	Upper
42	100		
72	0.0	31.1	46.7#
71	0.0	29.5	44.3#



#44

2,2,4-Trimethylpentane

Concen: 0.072 ppbv

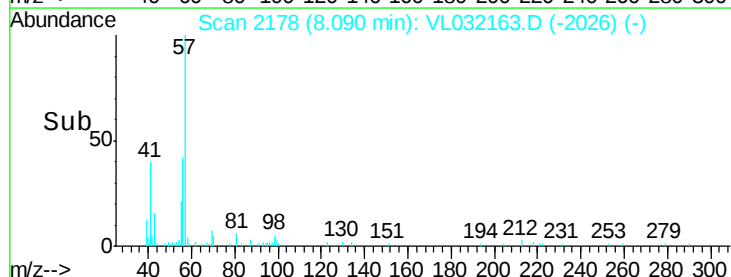
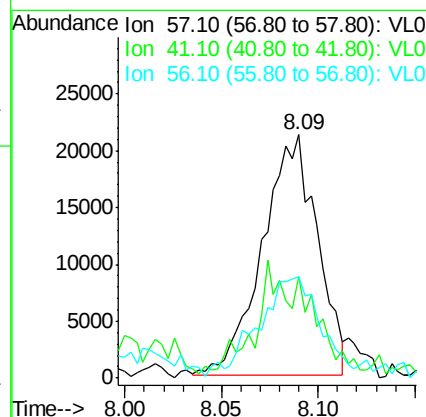
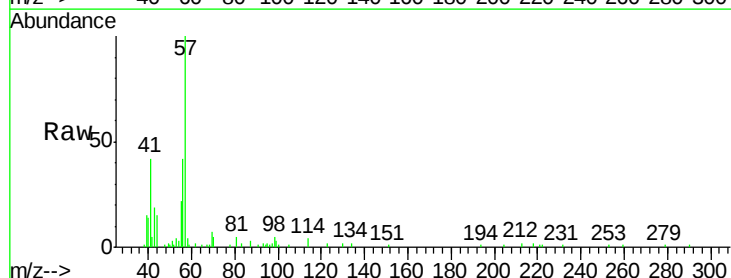
RT: 8.09 min Scan# 2178

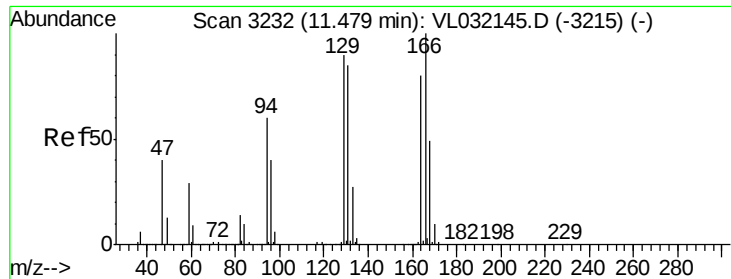
Delta R.T. -0.01 min

Lab File: VL032163.D

Acq: 30 Jun 2018 9:53

Tgt Ion:	57	Resp:	41617
Ion	Ratio	Lower	Upper
57	100		
41	46.6	24.3	36.5#
56	53.8	25.1	37.7#





#52

Tetrachloroethene

Concen: 0.036 ppbv

RT: 11.47 min Scan# 3228

Delta R.T. -0.03 min

Lab File: VL032163.D

Acq: 30 Jun 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-A-CRAWL-SPACE

Tgt Ion:164 Resp: 4373

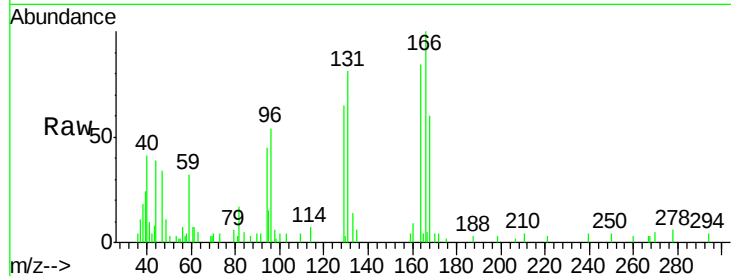
Ion Ratio Lower Upper

164 100

166 78.1 100.6 151.0#

129 29.4 84.0 126.0#

131 42.2 82.7 124.1#

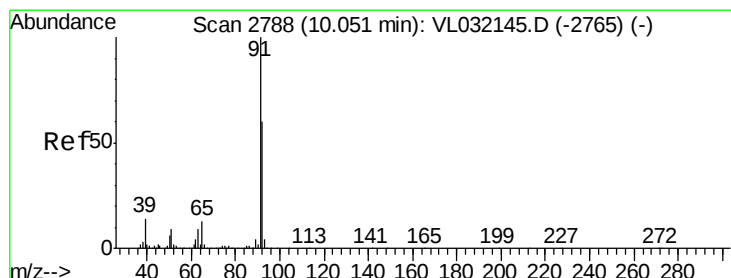
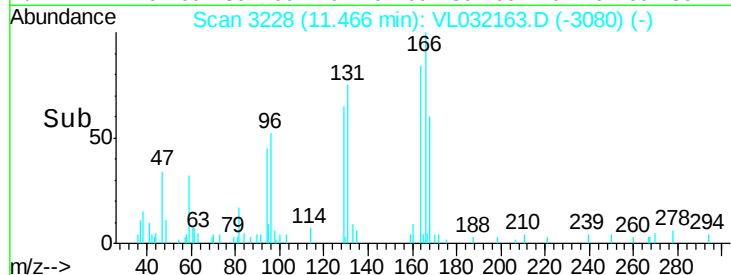
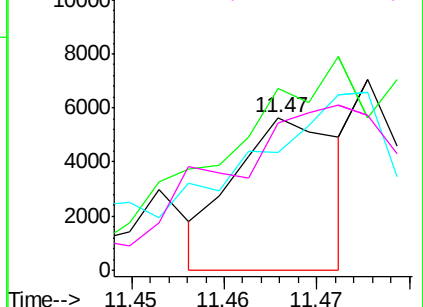


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 1.745 ppbv

RT: 10.04 min Scan# 2785

Delta R.T. -0.02 min

Lab File: VL032163.D

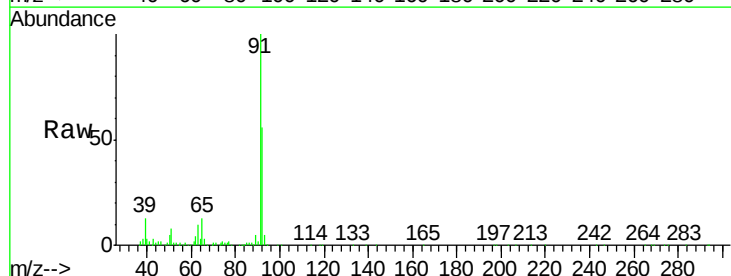
Acq: 30 Jun 2018 9:53

Tgt Ion: 91 Resp: 700654

Ion Ratio Lower Upper

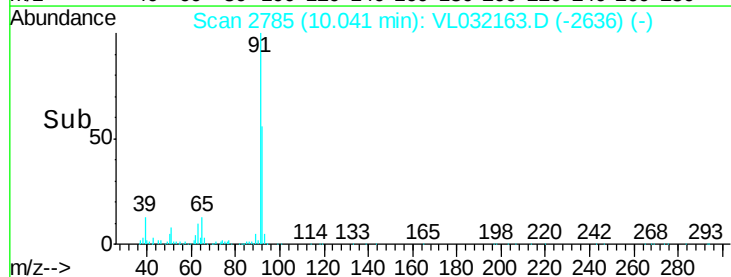
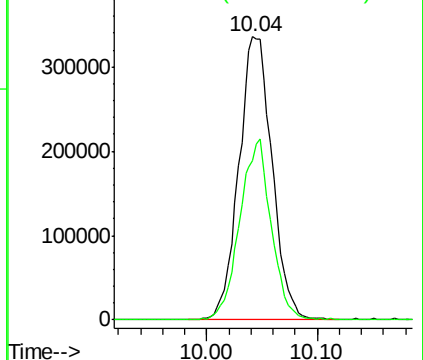
91 100

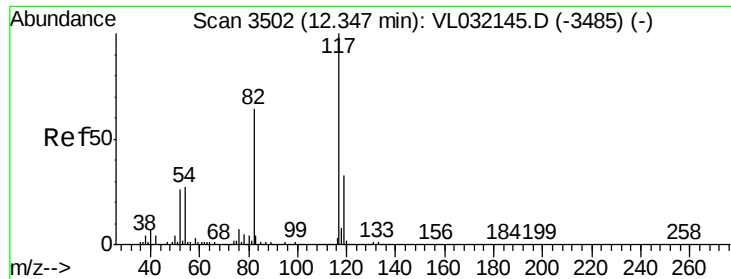
92 60.6 49.2 73.8



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: 12.34 min Scan# 3500

Delta R.T. -0.02 min

Lab File: VL032163.D

Acq: 30 Jun 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-A-CRAWL-SPACE

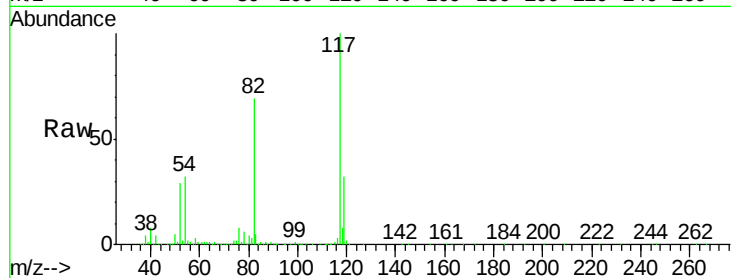
Tgt Ion: 117 Resp: 3565905

Ion Ratio Lower Upper

117 100

82 69.4 47.8 71.8

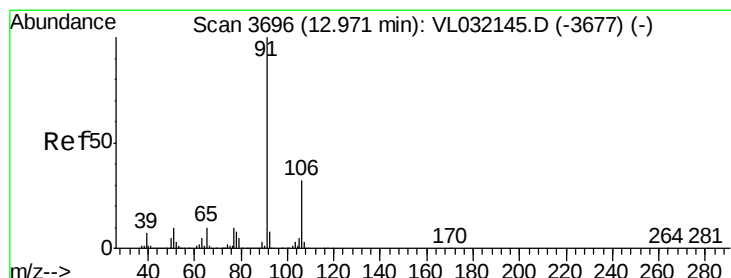
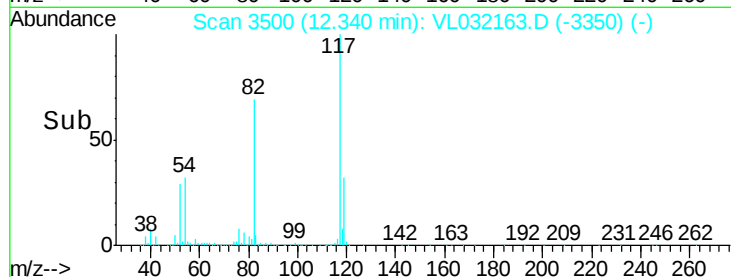
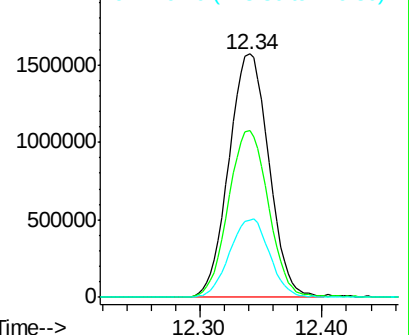
119 32.4 43.3 64.9#



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



#58

Ethyl Benzene

Concen: 0.250 ppbv

RT: 12.96 min Scan# 3694

Delta R.T. -0.02 min

Lab File: VL032163.D

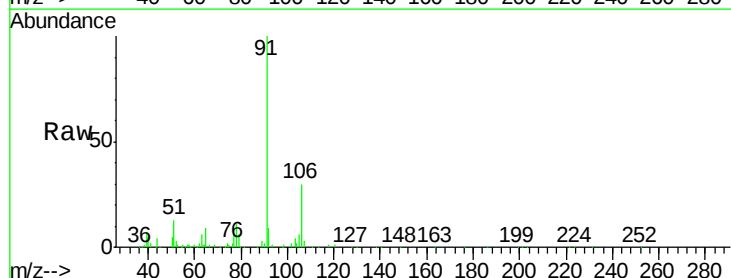
Acq: 30 Jun 2018 9:53

Tgt Ion: 91 Resp: 143656

Ion Ratio Lower Upper

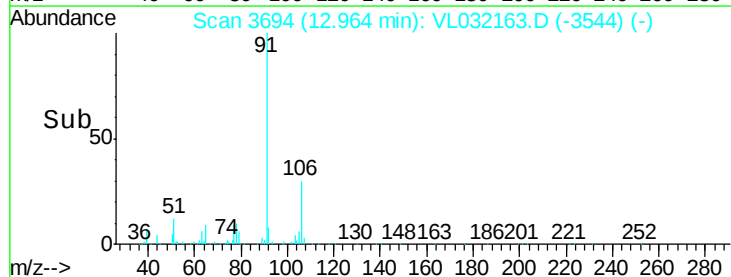
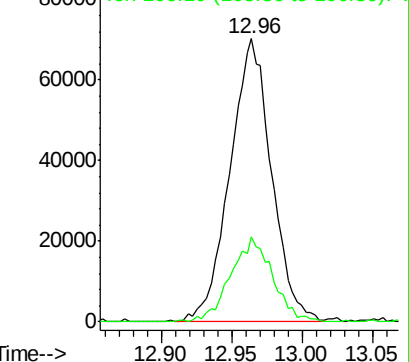
91 100

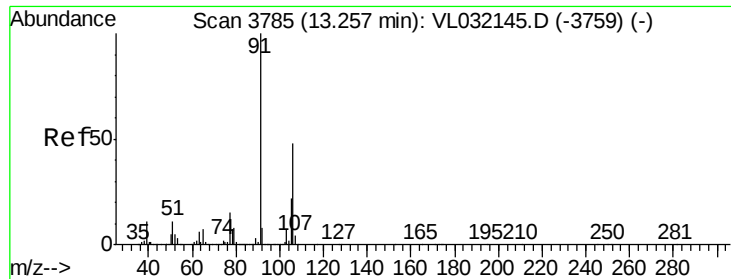
106 30.0 26.5 39.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

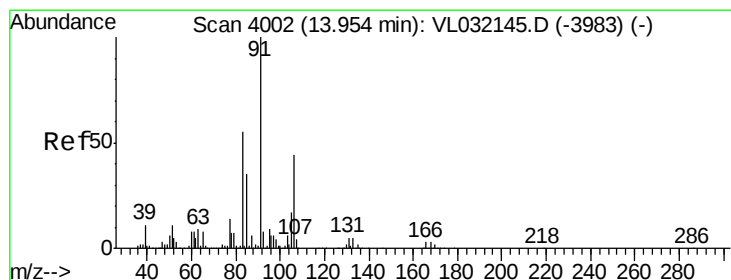
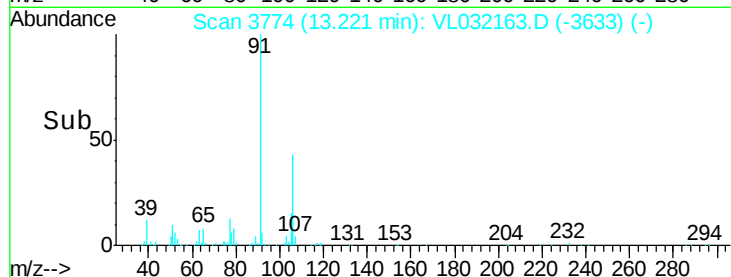
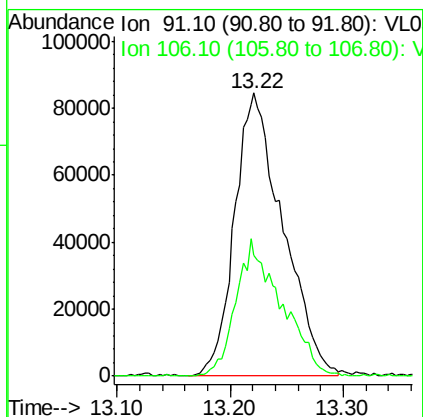
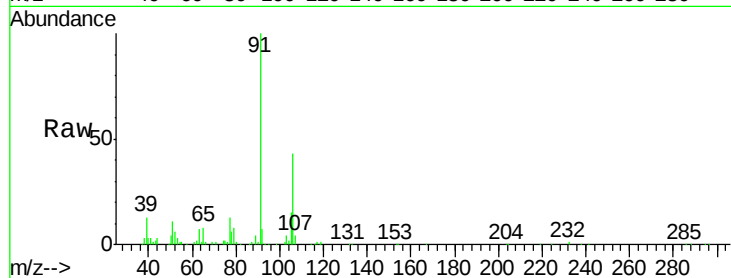




#59
m/p-Xylene
Concen: 0.544 ppbv
RT: 13.22 min Scan# 3774
Delta R.T. -0.05 min
Lab File: VL032163.D
Acq: 30 Jun 2018 9:53

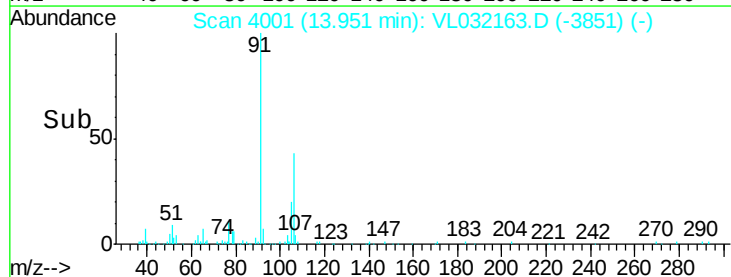
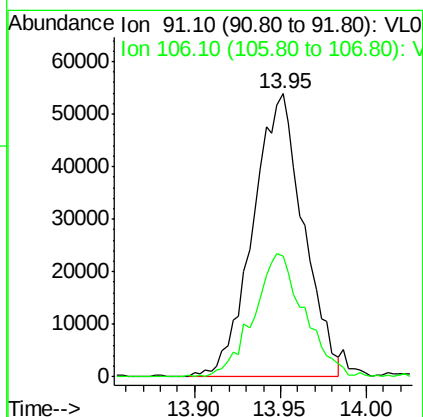
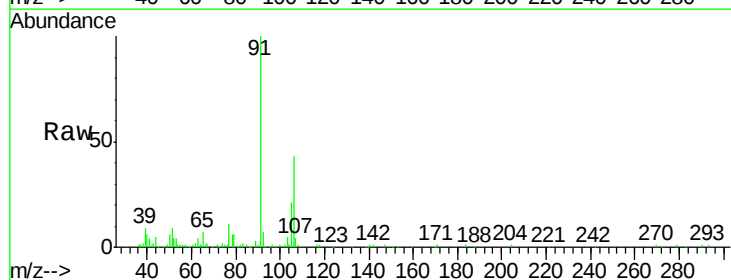
Instrument :
MSVOA_L
ClientSampleId :
RESIDENT-A-CRAWL-SPACE

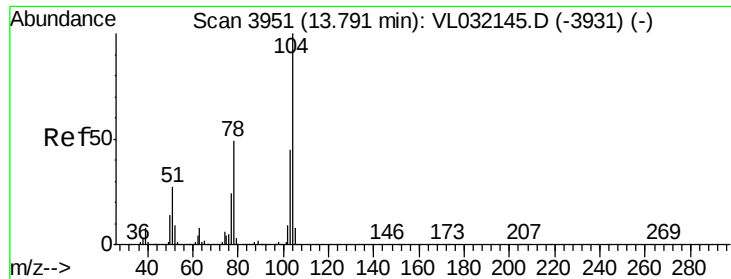
Tgt Ion: 91 Resp: 250690
Ion Ratio Lower Upper
91 100
106 45.6 38.6 58.0



#60
o-Xylene
Concen: 0.239 ppbv
RT: 13.95 min Scan# 4001
Delta R.T. -0.02 min
Lab File: VL032163.D
Acq: 30 Jun 2018 9:53

Tgt Ion: 91 Resp: 109990
Ion Ratio Lower Upper
91 100
106 44.1 23.3 69.8





#61

Styrene

Concen: 0.031 ppbv

RT: 13.79 min Scan# 3950

Delta R.T. -0.02 min

Lab File: VL032163.D

Acq: 30 Jun 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

RESIDENT-A-CRAWL-SPACE

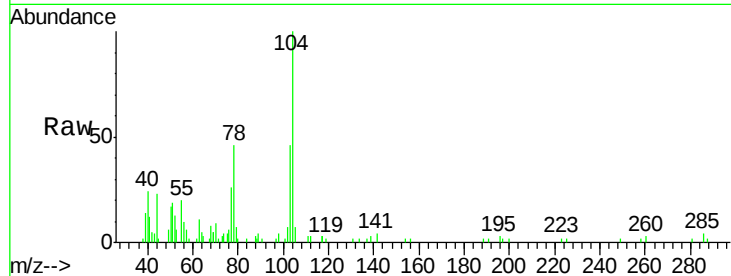
Tgt Ion: 104 Resp: 11857

Ion Ratio Lower Upper

104 100

78 0.0 37.9 56.9#

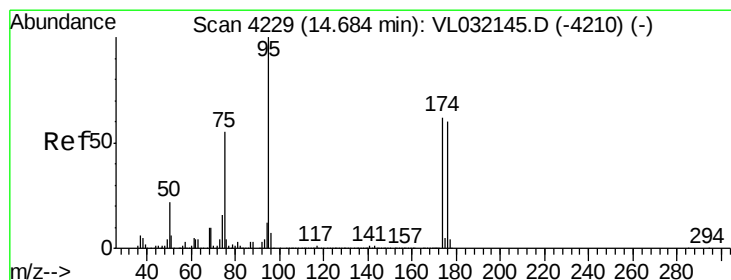
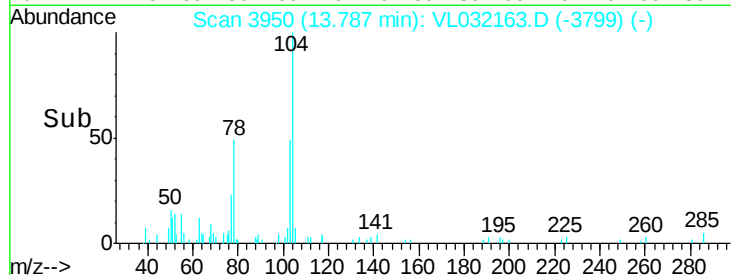
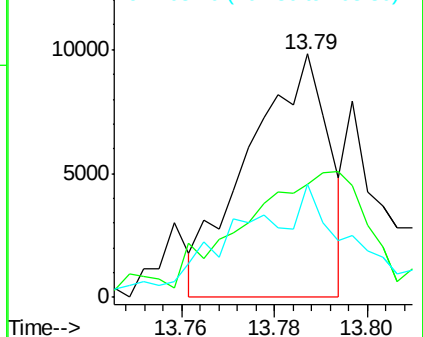
103 73.9 36.6 55.0#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.730 ppbv

RT: 14.68 min Scan# 4227

Delta R.T. -0.02 min

Lab File: VL032163.D

Acq: 30 Jun 2018 9:53

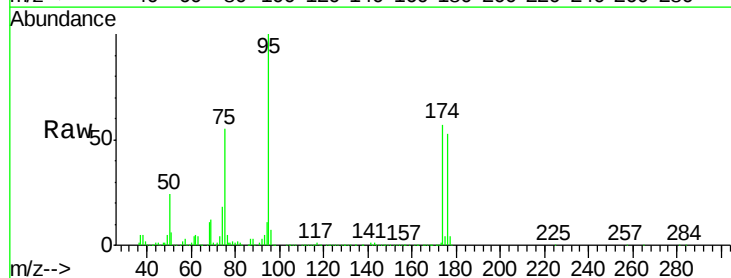
Tgt Ion: 95 Resp: 2652299

Ion Ratio Lower Upper

95 100

174 57.5 52.1 78.1

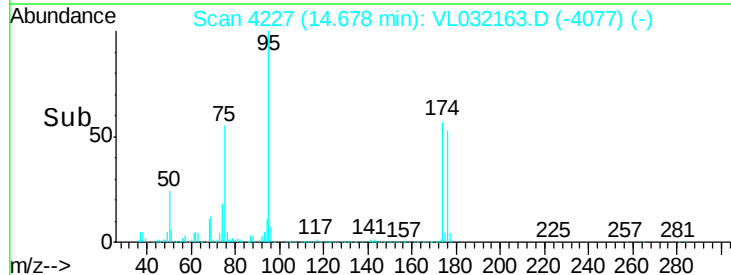
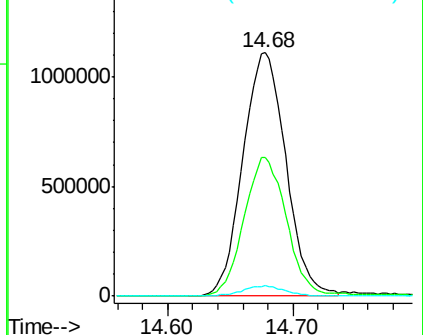
175 4.2 4.0 6.0

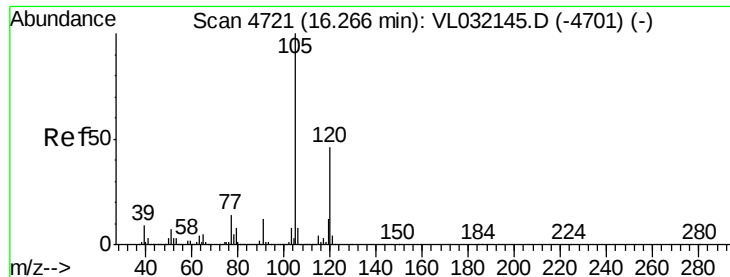


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





#73

1,3,5-Trimethylbenzene

Concen: 0.035 ppbv

RT: 16.26 min Scan# 4718

Delta R.T. -0.02 min

Lab File: VL032163.D

Acq: 30 Jun 2018 9:53

Instrument :

MSVOA_L

ClientSampleId :

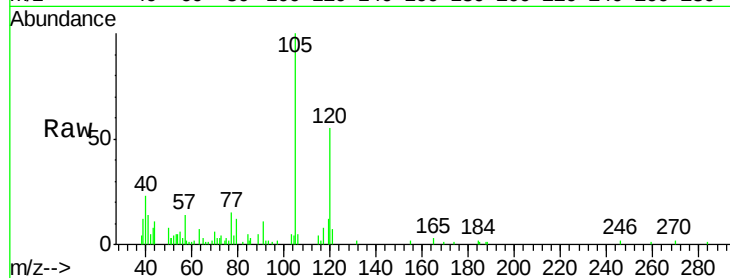
RESIDENT-A-CRAWL-SPACE

Tgt Ion:105 Resp: 19740

Ion Ratio Lower Upper

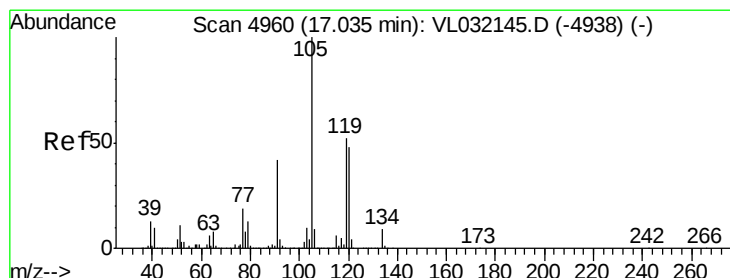
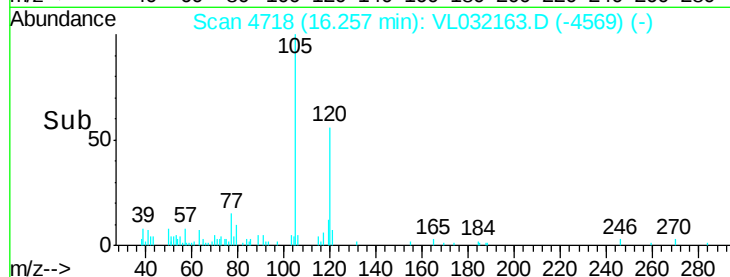
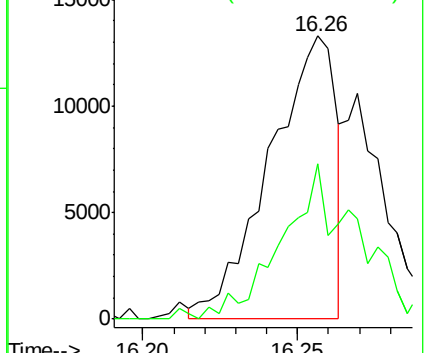
105 100

120 55.0 38.6 57.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.065 ppbv

RT: 17.02 min Scan# 4956

Delta R.T. -0.03 min

Lab File: VL032163.D

Acq: 30 Jun 2018 9:53

Tgt Ion:105 Resp: 36801

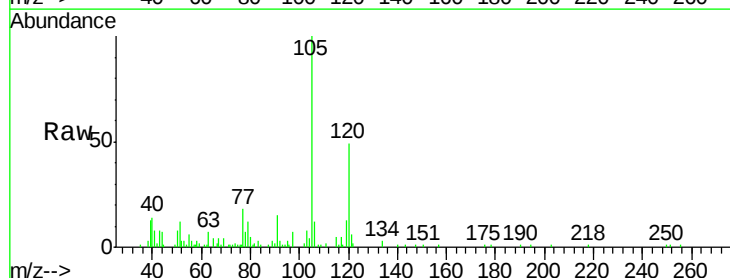
Ion Ratio Lower Upper

105 100

120 45.2 38.8 58.2

91 14.0 33.6 50.4#

77 16.4 16.0 24.0

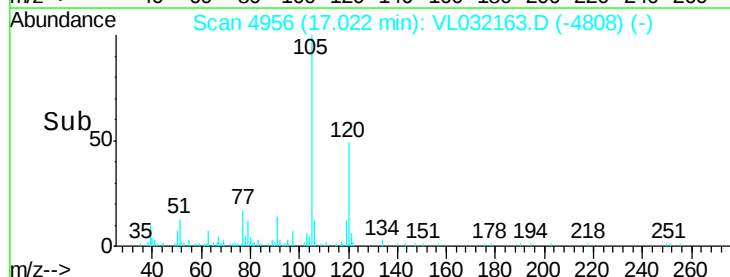
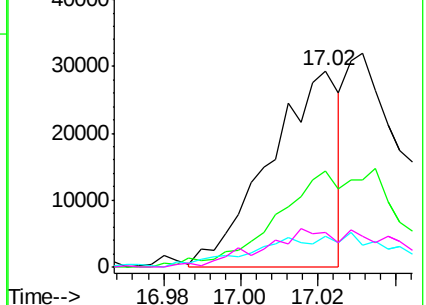


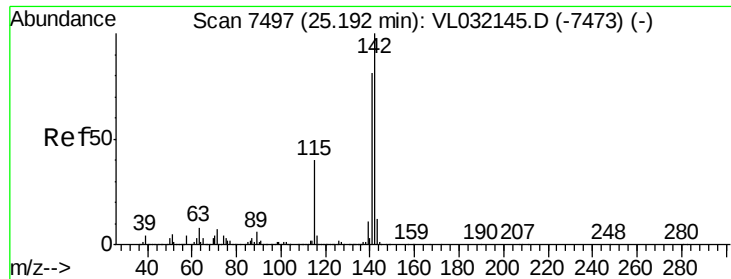
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

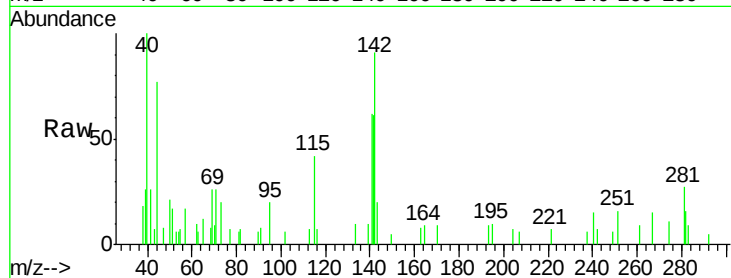




#80
 Naphthalene, 2-methyl-
 Concen: 0.035 ppbv
 RT: 25.20 min Scan# 7499
 Delta R.T. -0.01 min
 Lab File: VL032163.D
 Acq: 30 Jun 2018 9:53

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

Tgt Ion:	142	Resp:	6490
Ion	Ratio	Lower	Upper
142	100		
141	88.5	65.8	98.6
115	39.2	29.4	44.0



Abundance Ion 142.00 (141.70 to 142.70): V
 Ion 141.00 (140.70 to 141.70): V
 Ion 115.00 (114.70 to 115.70): V

