

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL062918\
 Data File : VL032158.D
 Acq On : 30 Jun 2018 6:34
 Operator : SY/AP
 Sample : J3601-01DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OUTDOOR-1DL

Quant Time: Jul 02 00:48:19 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	1754402	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	4426763	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.34	117	4017302	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.68	95	3101820	10.10	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

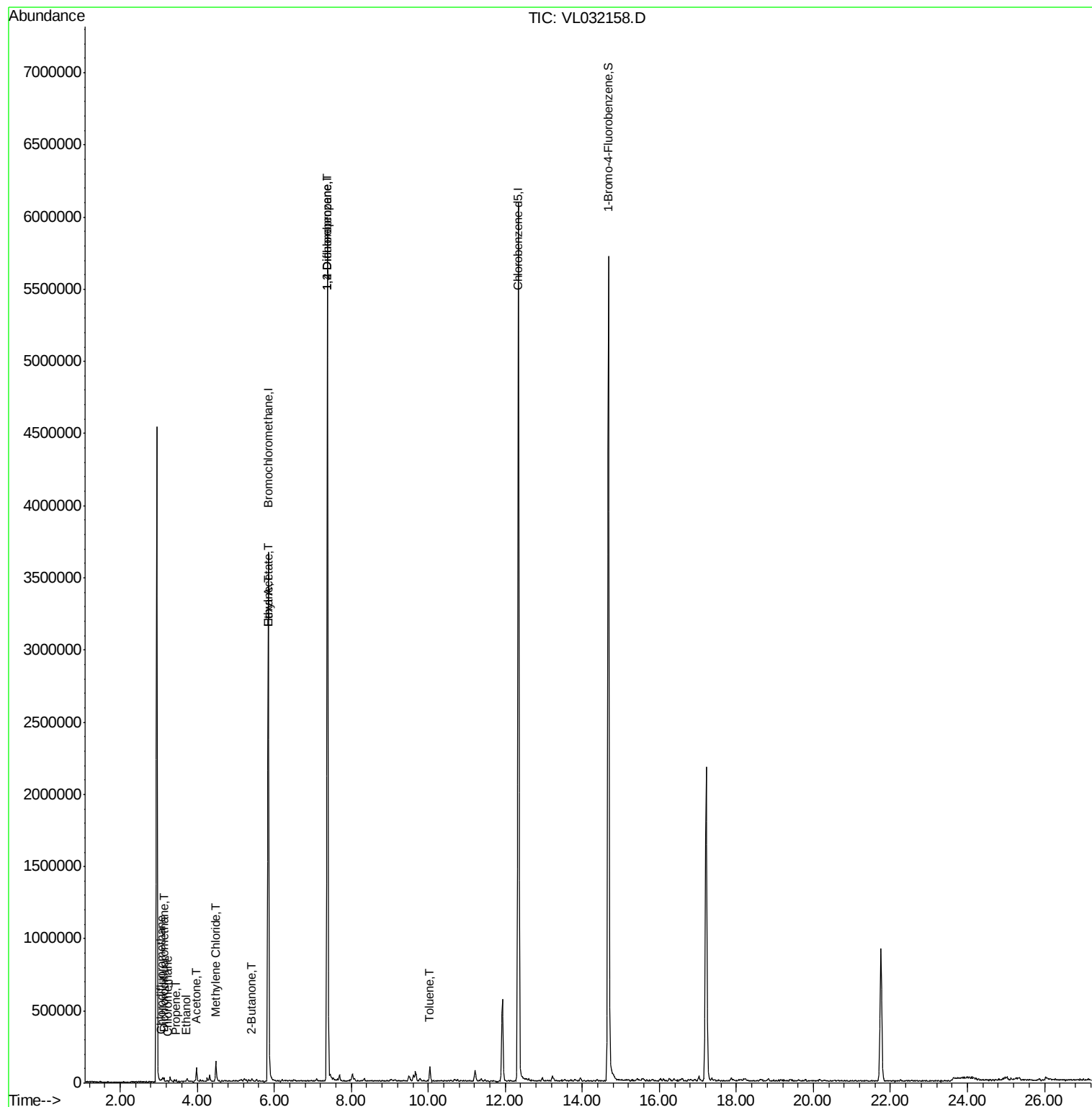
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.13	85	20052	0.087	ppbv	98
3) Chlorodifluoromethane	3.07	51	11939	0.056	ppbv	97
4) Chloromethane	3.23	50	6275	0.055	ppbv	97
9) Propene	3.45	41	3231	0.032	ppbv	84
13) Ethanol	3.72	45	4400	0.145	ppbv #	38
15) Acetone	3.98	43	92274	0.450	ppbv	95
20) Methylene Chloride	4.48	84	48510	0.647	ppbv	89
25) Ethyl Acetate	5.86	43	24644	0.058	ppbv #	91
26) Hexane	5.86	57	36017	0.184	ppbv #	43
34) 2-Butanone	5.42	43	20080	0.071	ppbv	99
39) 1,2-Dichloropropane	7.38	63	1161009	6.871	ppbv #	26
53) Toluene	10.04	91	38374	0.074	ppbv #	20

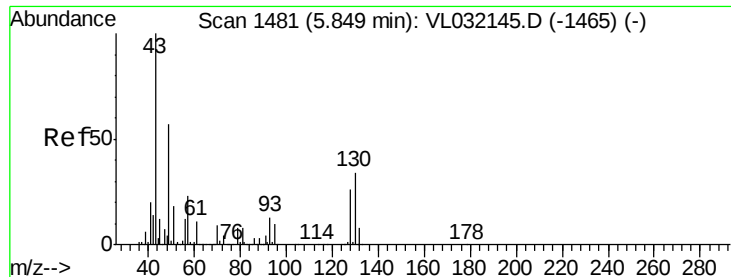
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 02 00:48:19 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

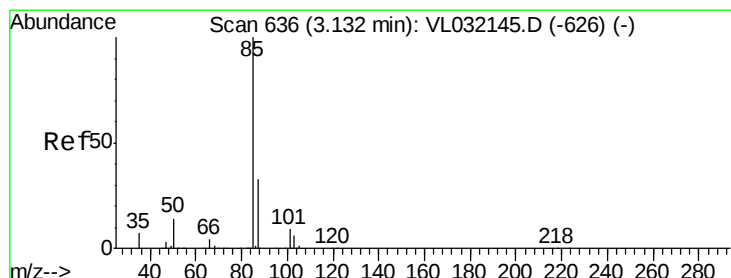
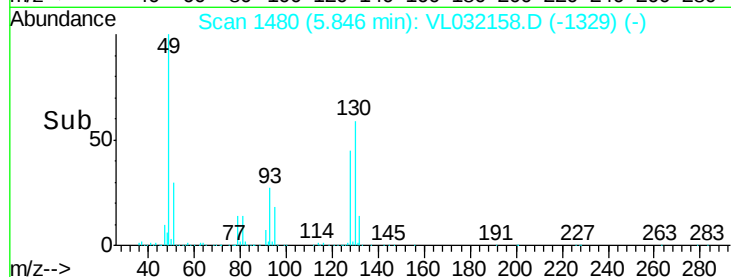
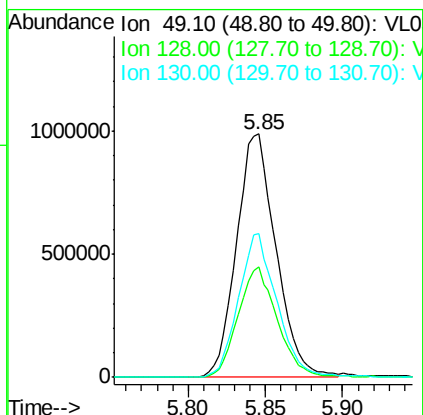
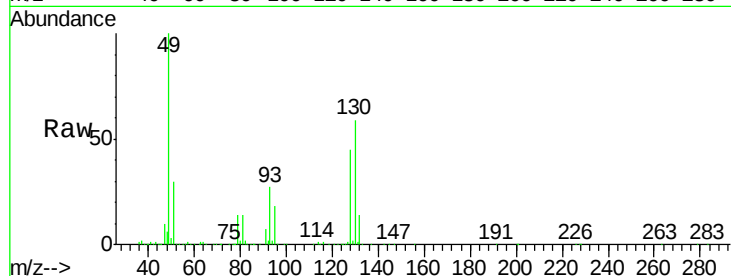




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.85 min Scan# 1480
 Delta R.T. -0.02 min
 Lab File: VL032158.D
 Acq: 30 Jun 2018 6:34

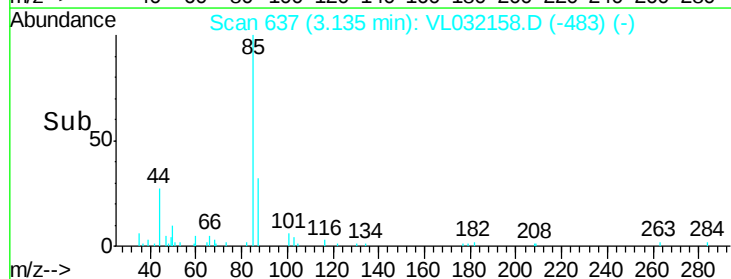
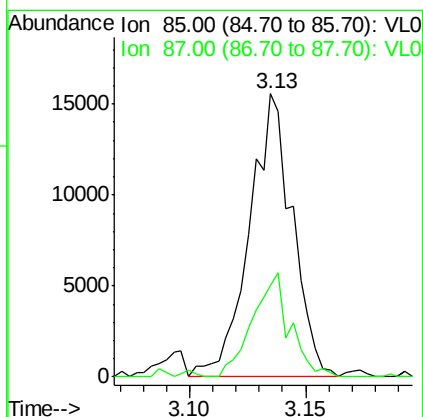
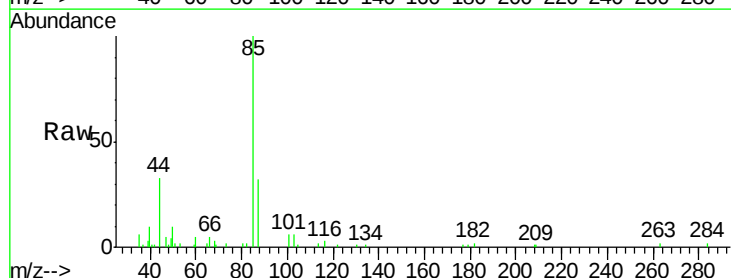
Instrument :
 MSVOA_L
 ClientSampleId :
 OUTDOOR-1DL

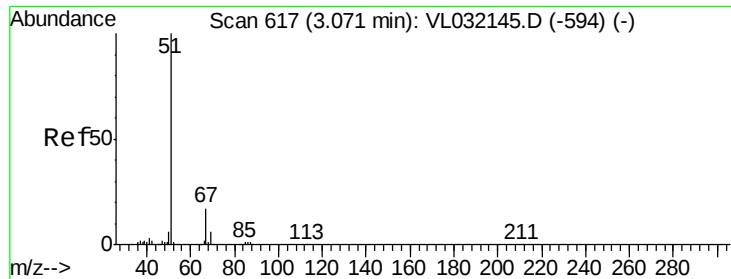
Tgt Ion: 49 Resp: 1754402
 Ion Ratio Lower Upper
 49 100
 128 45.5 23.4 70.0
 130 57.6 30.3 90.9



#2
 Dichlorodifluoromethane
 Concen: 0.087 ppbv
 RT: 3.13 min Scan# 637
 Delta R.T. -0.01 min
 Lab File: VL032158.D
 Acq: 30 Jun 2018 6:34

Tgt Ion: 85 Resp: 20052
 Ion Ratio Lower Upper
 85 100
 87 32.5 26.7 40.1





#3

Chlorodifluoromethane

Concen: 0.056 ppbv

RT: 3.07 min Scan# 616

Delta R.T. -0.01 min

Lab File: VL032158.D

Acq: 30 Jun 2018 6:34

Instrument :

MSVOA_L

ClientSampleId :

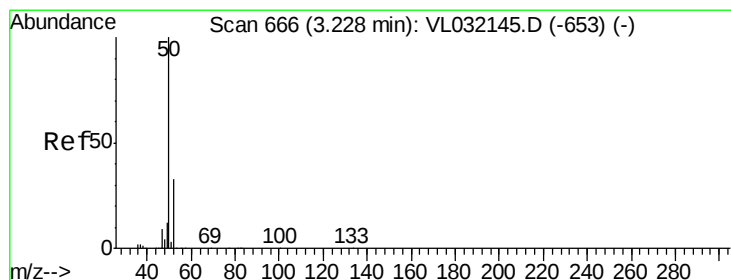
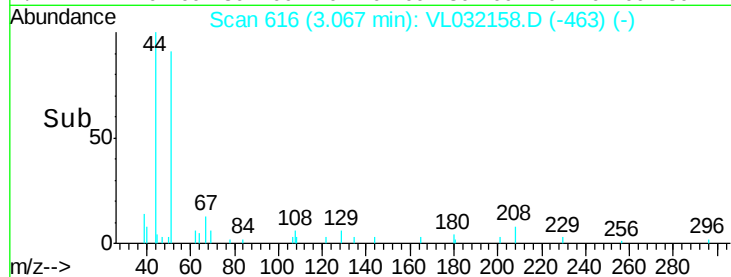
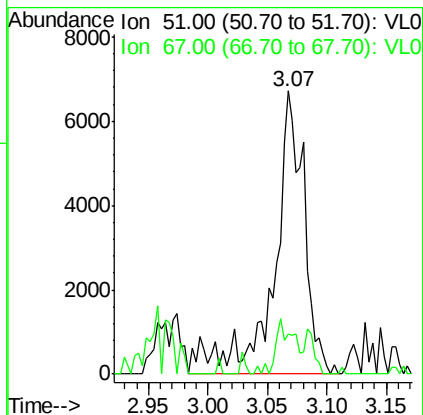
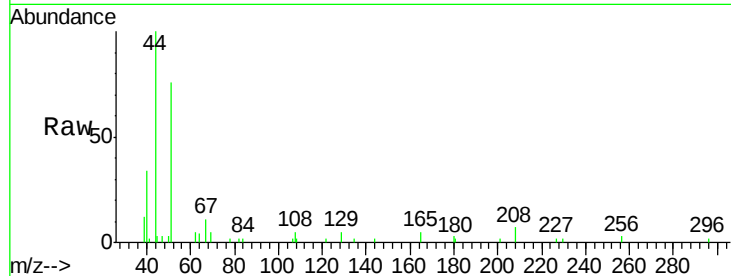
OUTDOOR-1DL

Tgt Ion: 51 Resp: 11939

Ion Ratio Lower Upper

51 100

67 17.7 13.2 19.8



#4

Chloromethane

Concen: 0.055 ppbv

RT: 3.23 min Scan# 668

Delta R.T. -0.00 min

Lab File: VL032158.D

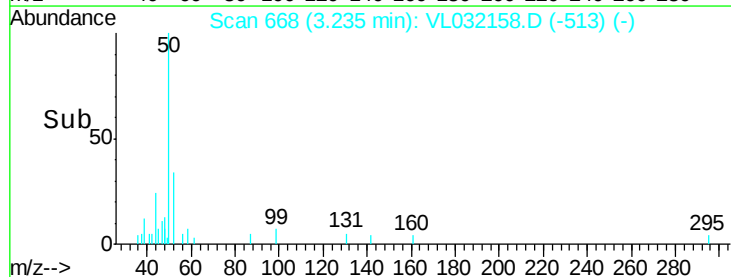
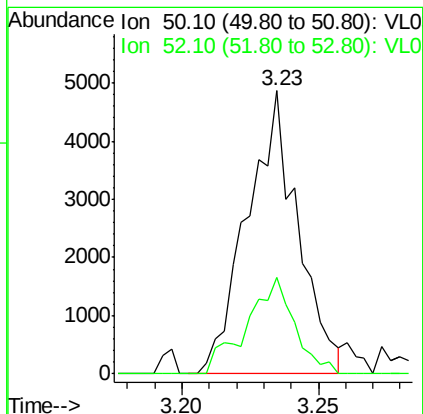
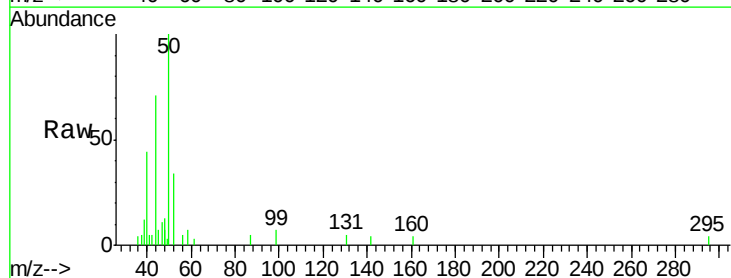
Acq: 30 Jun 2018 6:34

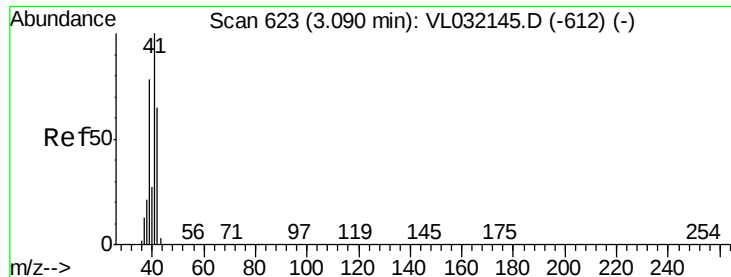
Tgt Ion: 50 Resp: 6275

Ion Ratio Lower Upper

50 100

52 34.1 26.0 39.0





#9

Propene

Concen: 0.032 ppbv

RT: 3.45 min Scan# 736

Delta R.T. 0.35 min

Lab File: VL032158.D

Acq: 30 Jun 2018 6:34

Instrument :

MSVOA_L

ClientSampleId :

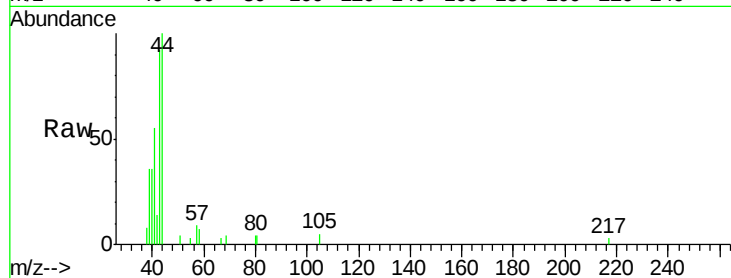
OUTDOOR-1DL

Tgt Ion: 41 Resp: 3231

Ion Ratio Lower Upper

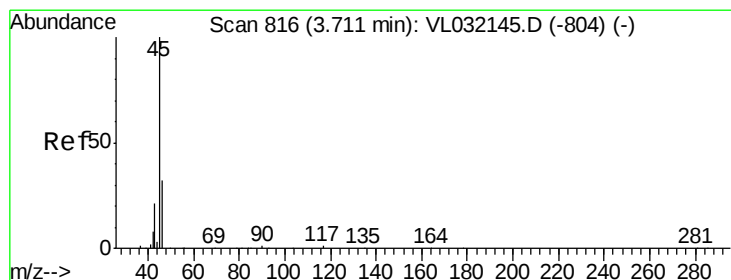
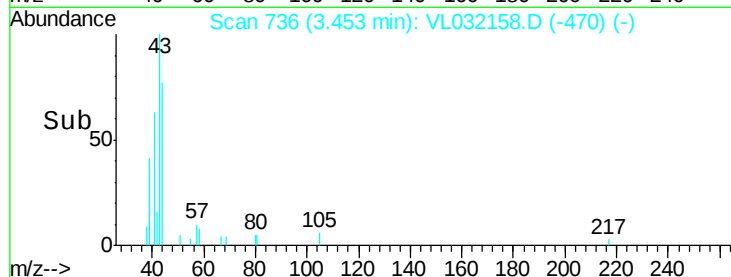
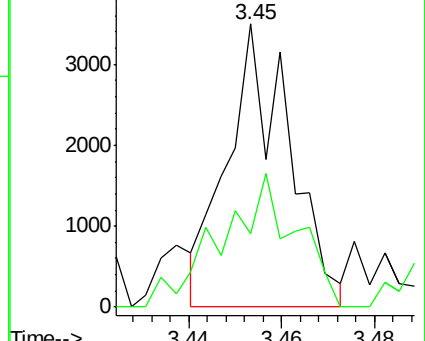
41 100

42 56.9 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: 0.145 ppbv

RT: 3.72 min Scan# 818

Delta R.T. -0.01 min

Lab File: VL032158.D

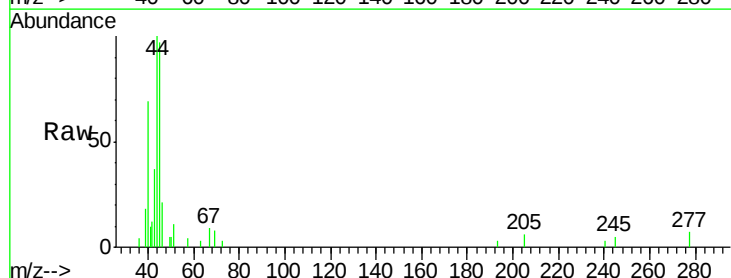
Acq: 30 Jun 2018 6:34

Tgt Ion: 45 Resp: 4400

Ion Ratio Lower Upper

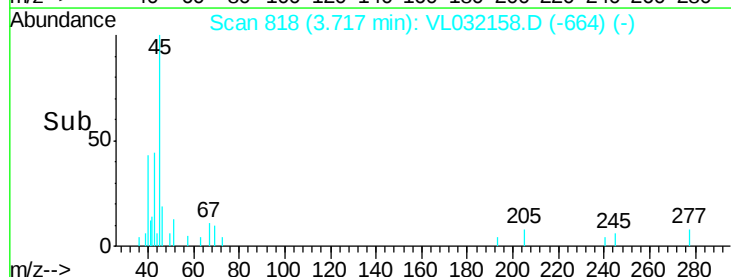
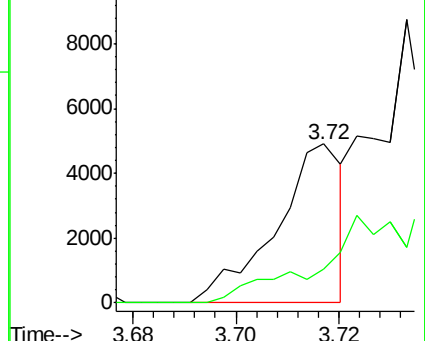
45 100

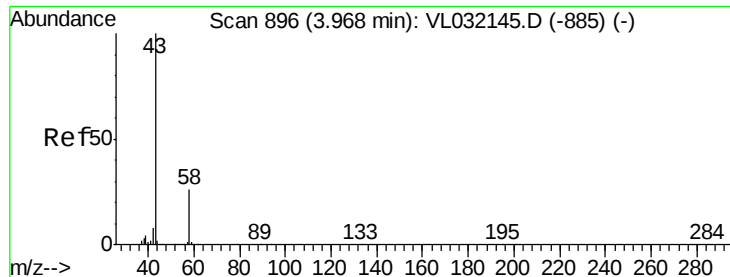
46 0.0 14.6 58.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.450 ppbv

RT: 3.98 min Scan# 899

Delta R.T. 0.00 min

Lab File: VL032158.D

Acq: 30 Jun 2018 6:34

Instrument :

MSVOA_L

ClientSampleId :

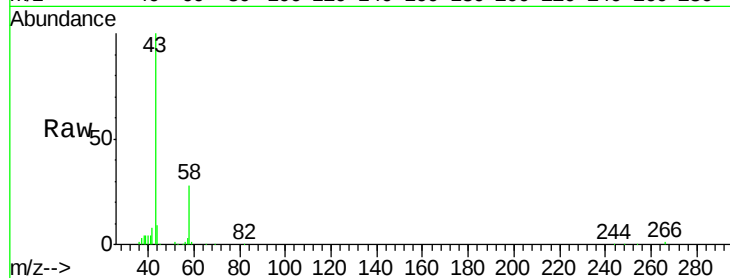
OUTDOOR-1DL

Tgt Ion: 43 Resp: 92274

Ion Ratio Lower Upper

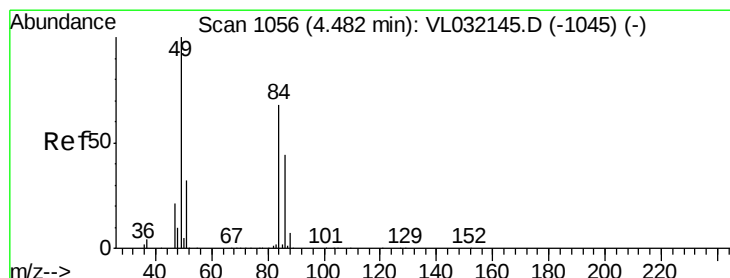
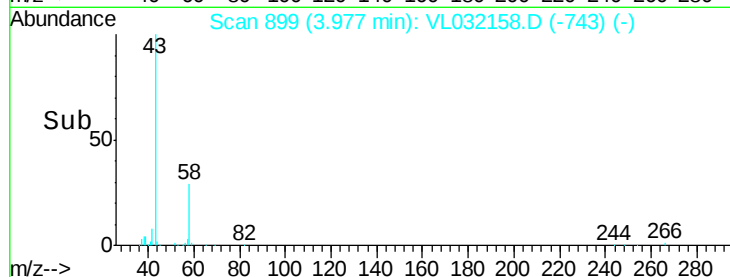
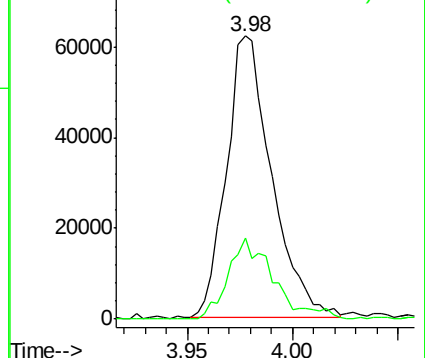
43 100

58 29.5 21.4 32.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.647 ppbv

RT: 4.48 min Scan# 1056

Delta R.T. -0.01 min

Lab File: VL032158.D

Acq: 30 Jun 2018 6:34

Tgt Ion: 84 Resp: 48510

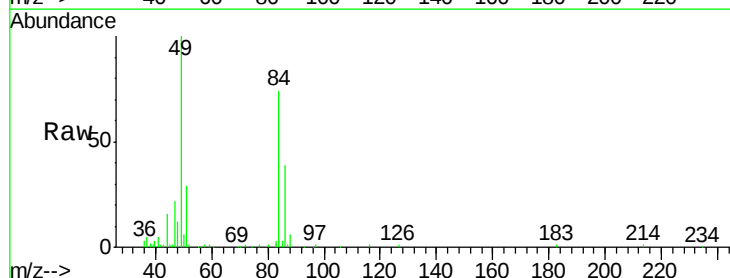
Ion Ratio Lower Upper

84 100

49 134.7 119.6 179.4

51 39.6 36.3 54.5

86 53.5 49.7 74.5

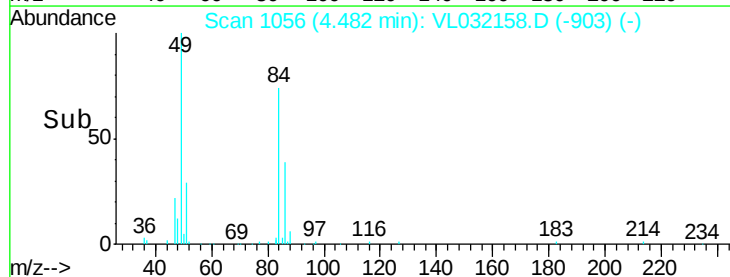
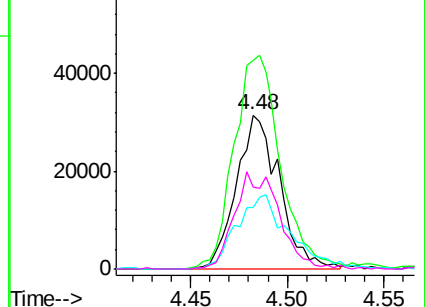


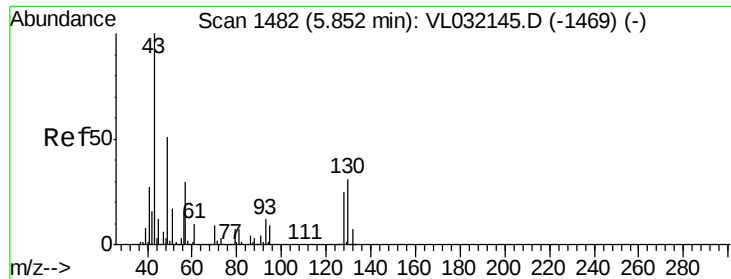
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

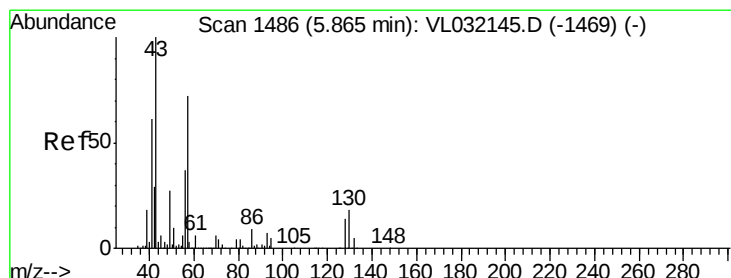
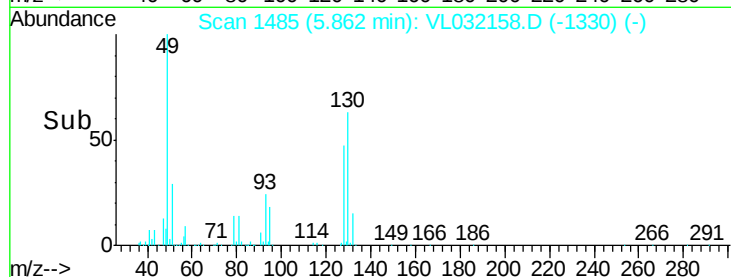
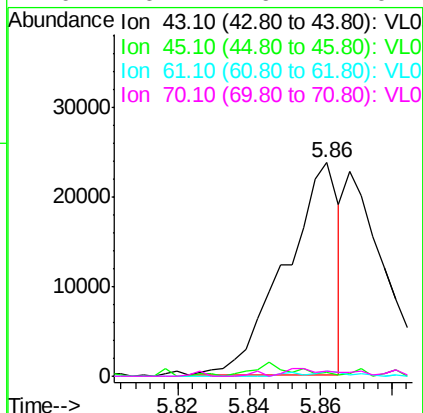
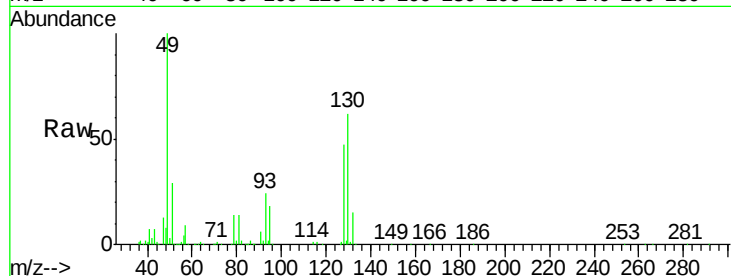




#25
Ethyl Acetate
Concen: 0.058 ppbv
RT: 5.86 min Scan# 1485
Delta R.T. -0.00 min
Lab File: VL032158.D
Acq: 30 Jun 2018 6:34

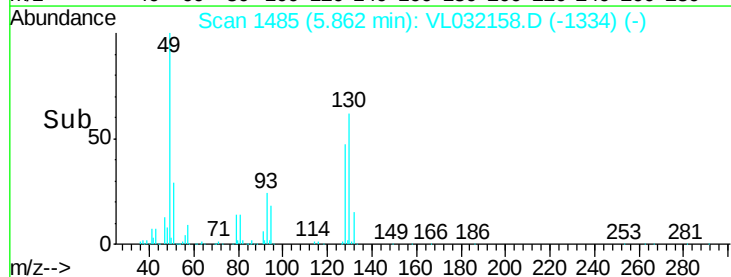
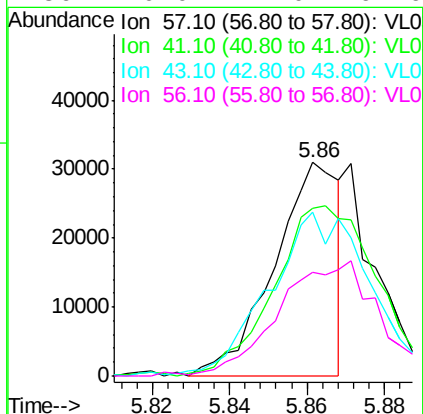
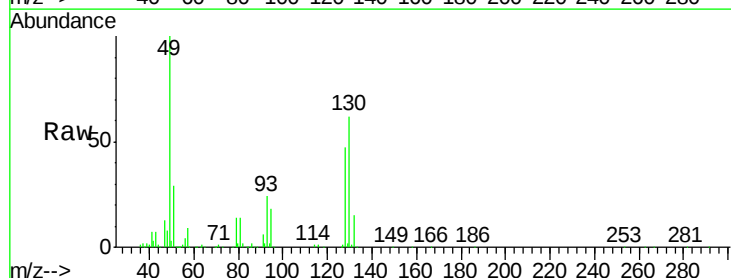
Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-1DL

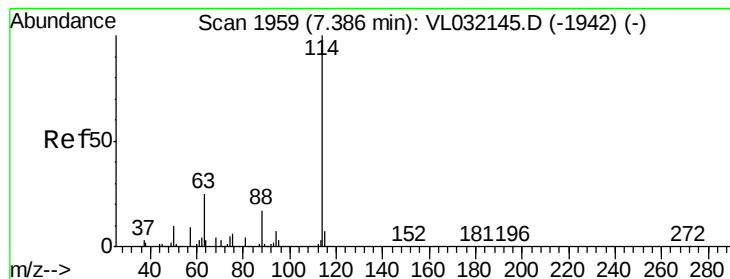
Tgt Ion:	43	Resp:	24644
Ion	Ratio	Lower	Upper
43	100		
45	8.4	7.8	11.8
61	2.6	7.4	11.0#
70	6.2	6.1	9.1



#26
Hexane
Concen: 0.184 ppbv
RT: 5.86 min Scan# 1485
Delta R.T. -0.02 min
Lab File: VL032158.D
Acq: 30 Jun 2018 6:34

Tgt Ion:	57	Resp:	36017
Ion	Ratio	Lower	Upper
57	100		
41	129.1	68.6	103.0#
43	122.6	168.6	252.8#
56	0.0	41.0	61.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.38 min Scan# 1957

Delta R.T. -0.02 min

Lab File: VL032158.D

Acq: 30 Jun 2018 6:34

Instrument :

MSVOA_L

ClientSampleId :

OUTDOOR-1DL

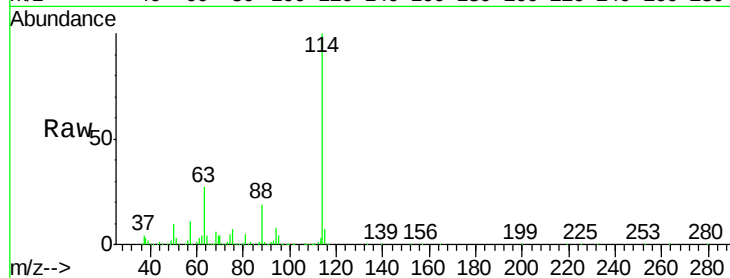
Tgt Ion:114 Resp: 4426763

Ion Ratio Lower Upper

114 100

63 26.6 19.1 28.7

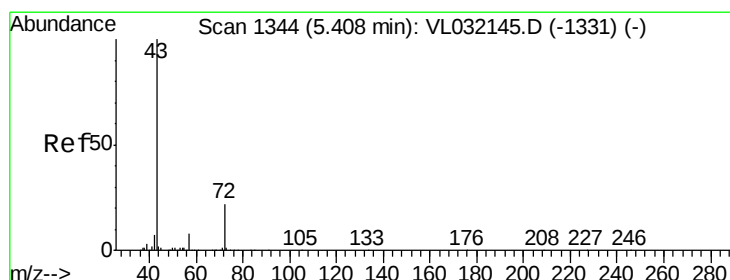
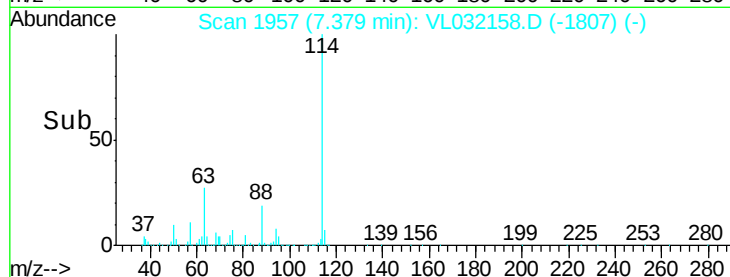
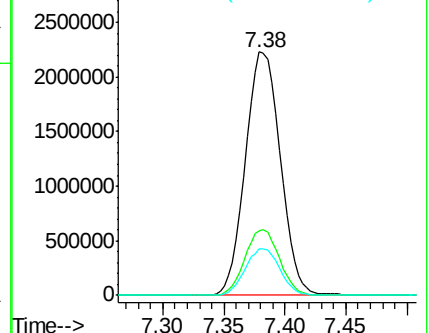
88 18.9 13.9 20.9



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



#34

2-Butanone

Concen: 0.071 ppbv

RT: 5.42 min Scan# 1349

Delta R.T. 0.00 min

Lab File: VL032158.D

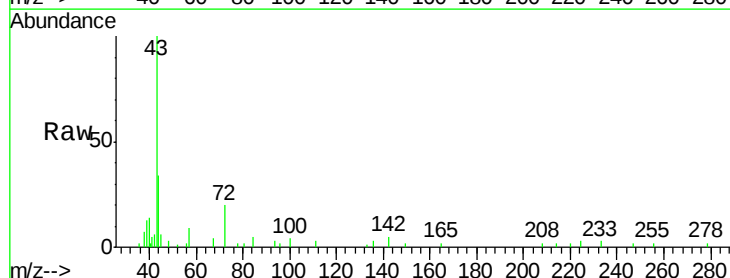
Acq: 30 Jun 2018 6:34

Tgt Ion: 43 Resp: 20080

Ion Ratio Lower Upper

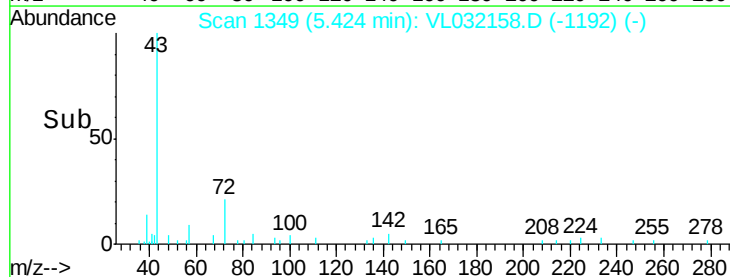
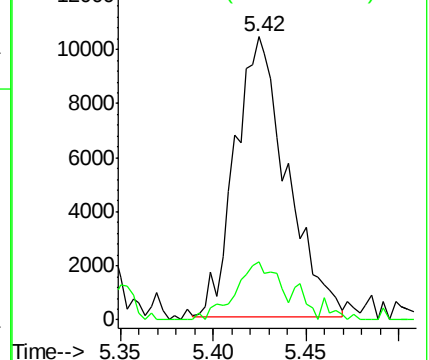
43 100

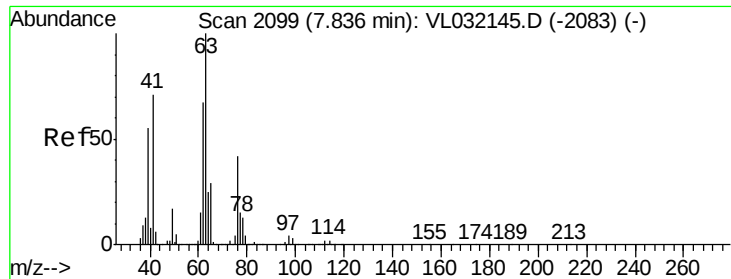
72 22.7 18.4 27.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

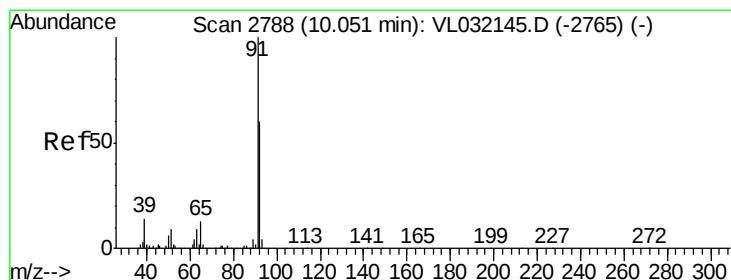
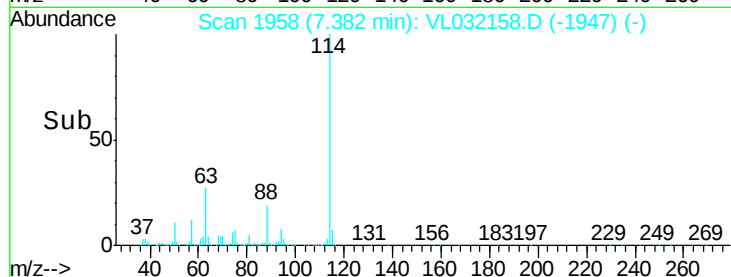
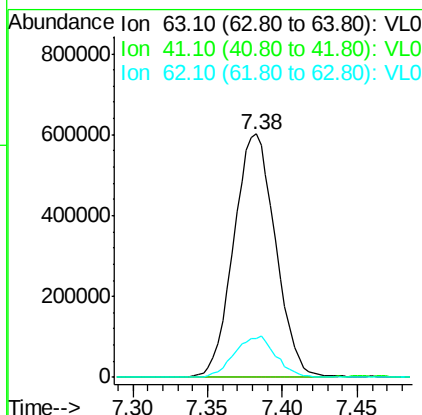
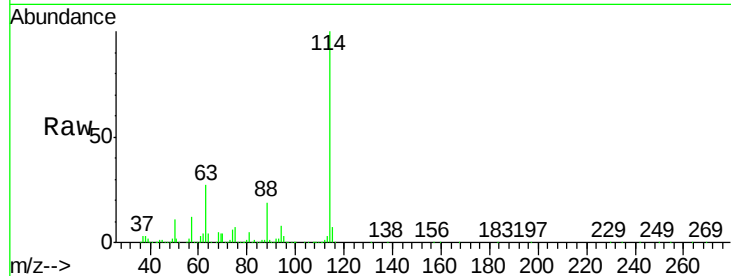




#39
 1,2-Dichloropropane
 Concen: 6.871 ppbv
 RT: 7.38 min Scan# 1958
 Delta R.T. -0.47 min
 Lab File: VL032158.D
 Acq: 30 Jun 2018 6:34

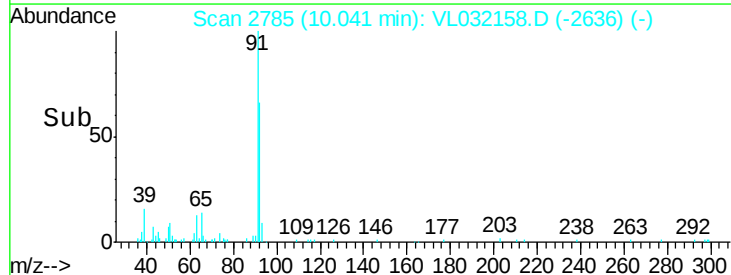
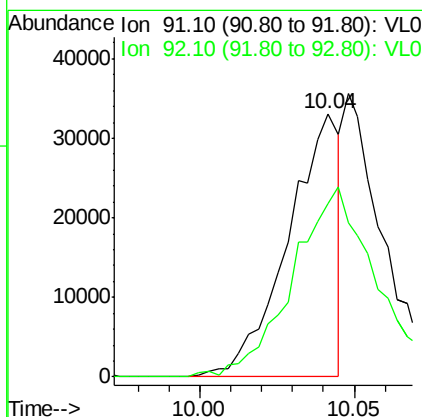
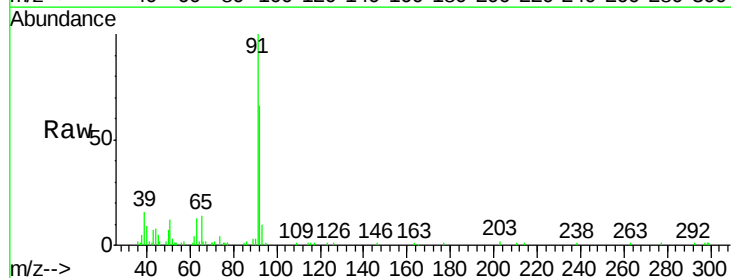
Instrument :
 MSVOA_L
 ClientSampleId :
 OUTDOOR-1DL

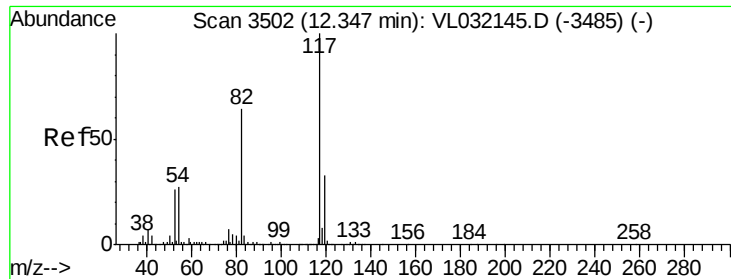
Tgt Ion: 63 Resp: 1161009
 Ion Ratio Lower Upper
 63 100
 41 0.0 53.3 79.9#
 62 16.2 54.8 82.2#



#53
 Toluene
 Concen: 0.074 ppbv
 RT: 10.04 min Scan# 2785
 Delta R.T. -0.02 min
 Lab File: VL032158.D
 Acq: 30 Jun 2018 6:34

Tgt Ion: 91 Resp: 38374
 Ion Ratio Lower Upper
 91 100
 92 0.0 49.2 73.8#

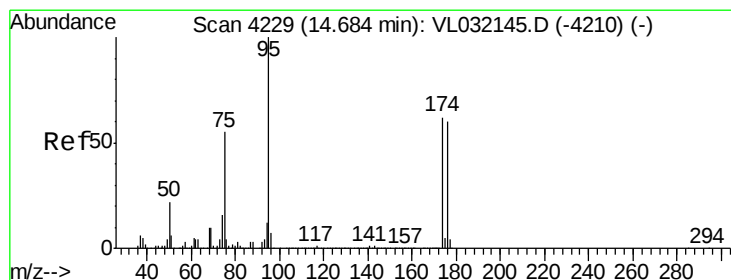
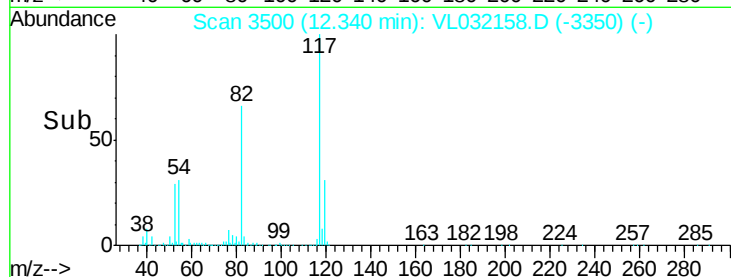
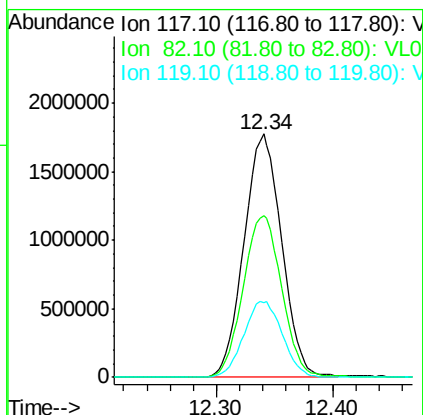
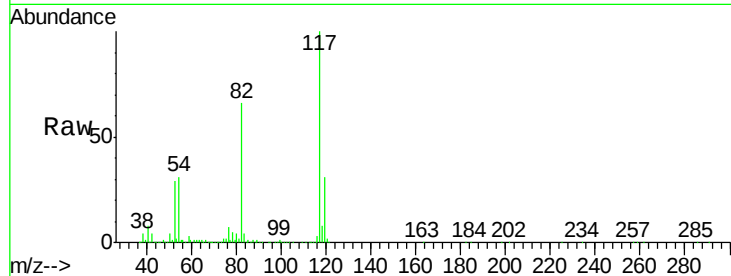




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.34 min Scan# 3500
Delta R.T. -0.02 min
Lab File: VL032158.D
Acq: 30 Jun 2018 6:34

Instrument :
MSVOA_L
ClientSampleId :
OUTDOOR-1DL

Tgt Ion: 117 Resp: 4017302
Ion Ratio Lower Upper
117 100
82 68.4 47.8 71.8
119 32.3 43.3 64.9#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.101 ppbv
RT: 14.68 min Scan# 4227
Delta R.T. -0.02 min
Lab File: VL032158.D
Acq: 30 Jun 2018 6:34

Tgt Ion: 95 Resp: 3101820
Ion Ratio Lower Upper
95 100
174 58.0 52.1 78.1
175 4.3 4.0 6.0

