

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092418\
 Data File : VL032529.D
 Acq On : 25 Sep 2018 4:18
 Operator : SY/AP
 Sample : J5039-02DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OUTDOOR-AMBIENTDL

Quant Time: Sep 25 05:36:09 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 25 05:17:15 2018
 QLast Update : Tue Sep 25 05:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1410766	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3305917	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3308579	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2470090	9.90	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

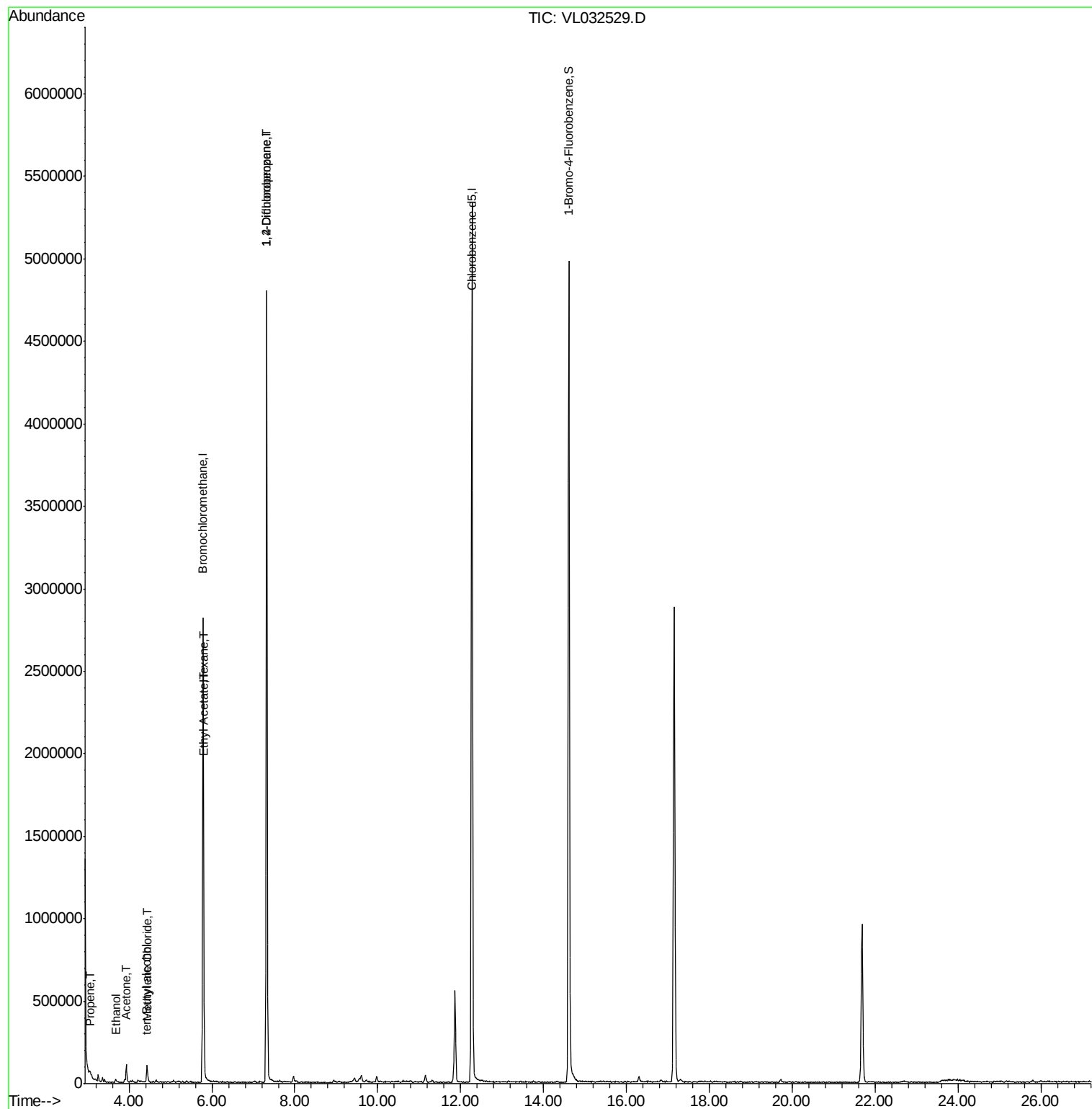
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.06	41	3677	0.072	ppbv #	69
13) Ethanol	3.68	45	8866	0.579	ppbv #	39
15) Acetone	3.93	43	113702	0.918	ppbv	99
17) tert-Butyl alcohol	4.40	59	905	0.058	ppbv #	100
20) Methylene Chloride	4.43	84	29929	0.499	ppbv	95
25) Ethyl Acetate	5.81	43	28014	0.093	ppbv #	85
26) Hexane	5.80	57	35295	0.260	ppbv #	42
39) 1,2-Dichloropropane	7.32	63	897734	7.456	ppbv #	25

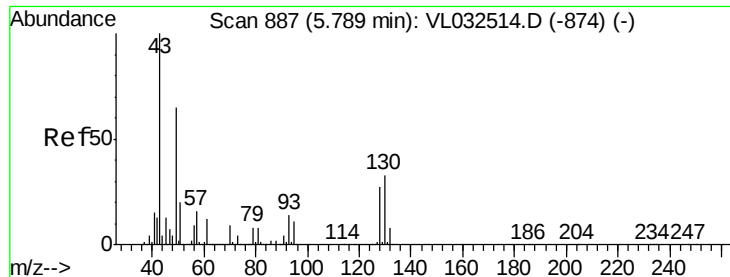
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

Lab File: VL032529.D

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ClientSampleId :

OUTDOOR-AMBIENTDL

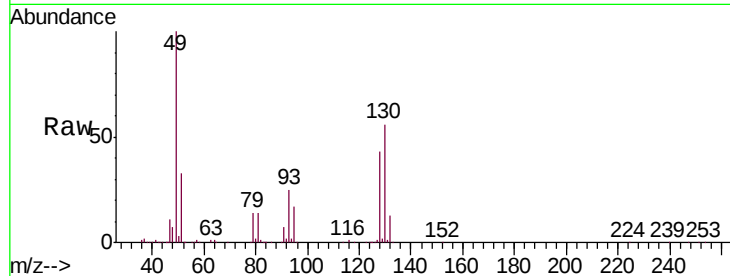
Tgt Ion: 49 Resp: 1410766

Ion Ratio Lower Upper

49 100

128 43.2 20.7 62.1

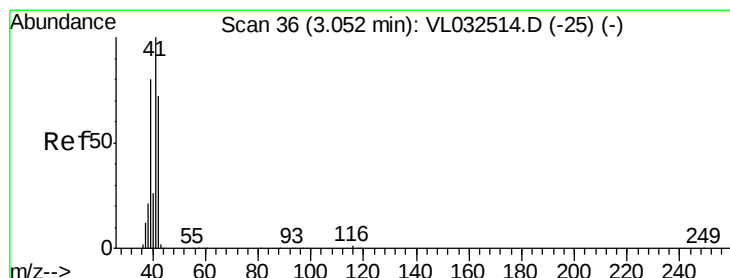
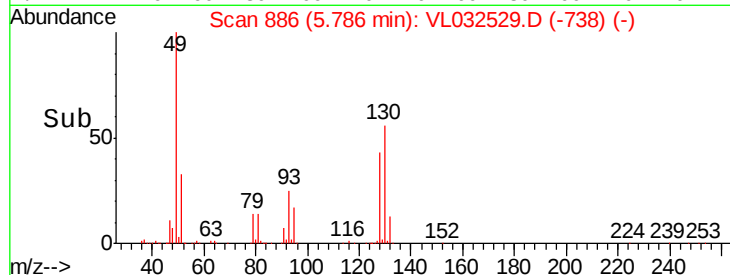
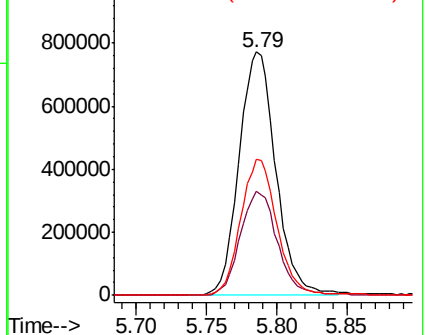
130 56.2 26.6 79.7



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



#9

Propene

Concen: 0.072 ppbv

RT: 3.06 min Scan# 39

Delta R.T. -0.01 min

Lab File: VL032529.D

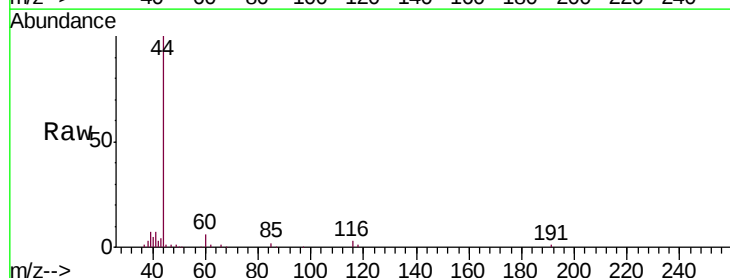
Acq: 25 Sep 2018 4:18

Tgt Ion: 41 Resp: 3677

Ion Ratio Lower Upper

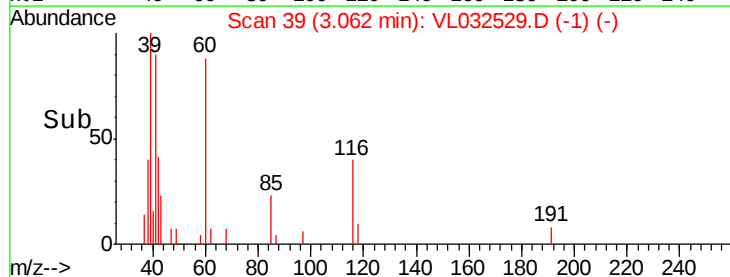
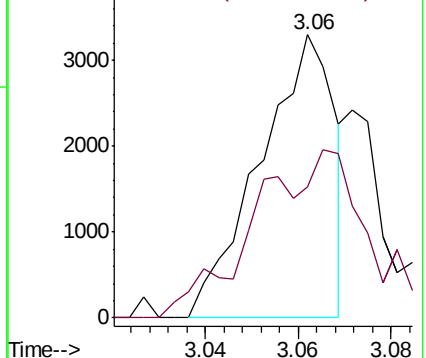
41 100

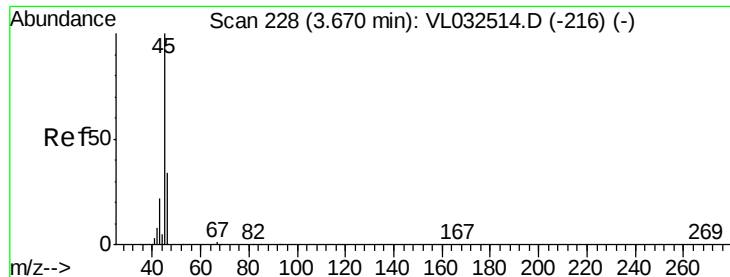
42 95.9 56.6 84.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.579 ppbv

RT: 3.68 min Scan# 232

Delta R.T. -0.00 min

Lab File: VL032529.D

Acq: 25 Sep 2018 4:18

Instrument :

MSVOA_L

ClientSampleId :

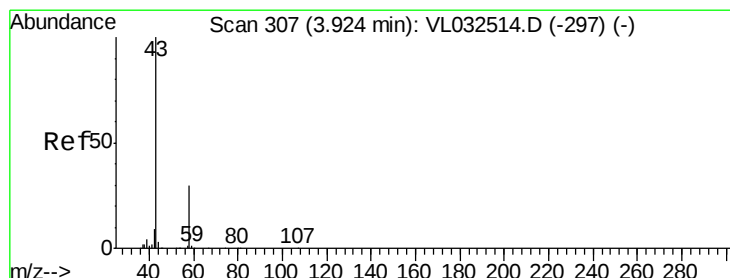
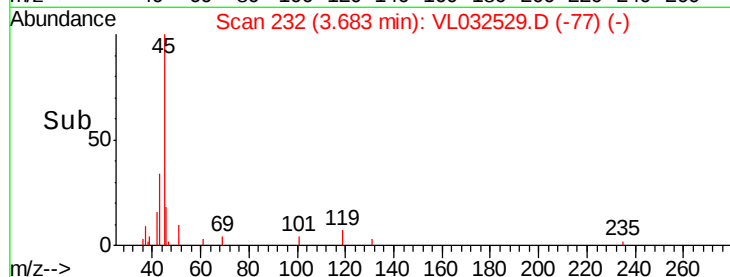
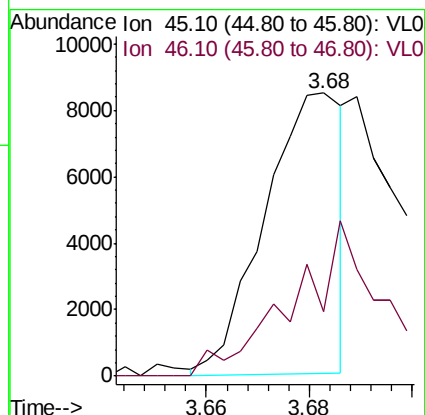
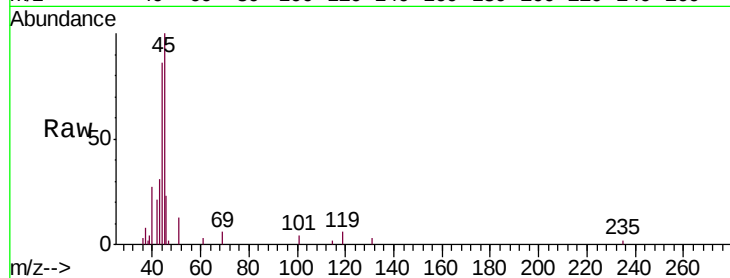
OUTDOOR-AMBIENTDL

Tgt Ion: 45 Resp: 8866

Ion Ratio Lower Upper

45 100

46 0.0 14.2 56.8#



#15

Acetone

Concen: 0.918 ppbv

RT: 3.93 min Scan# 309

Delta R.T. -0.01 min

Lab File: VL032529.D

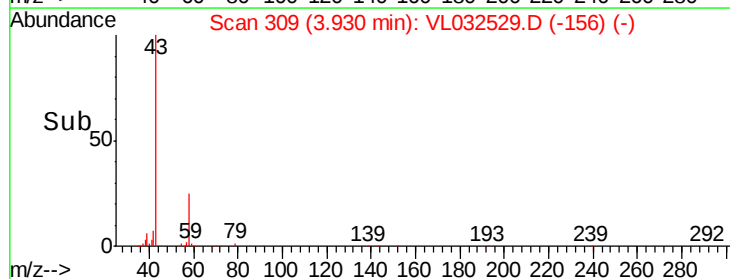
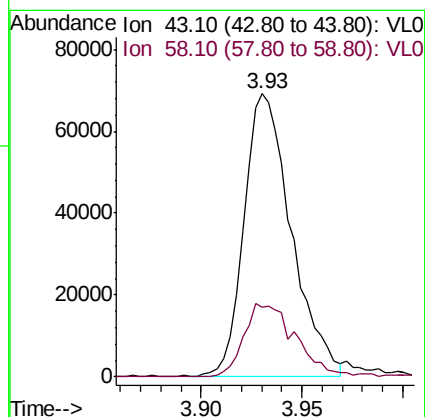
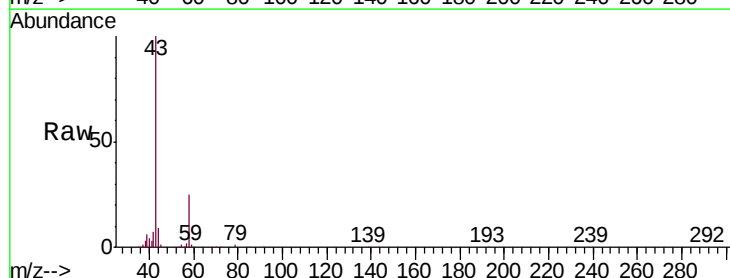
Acq: 25 Sep 2018 4:18

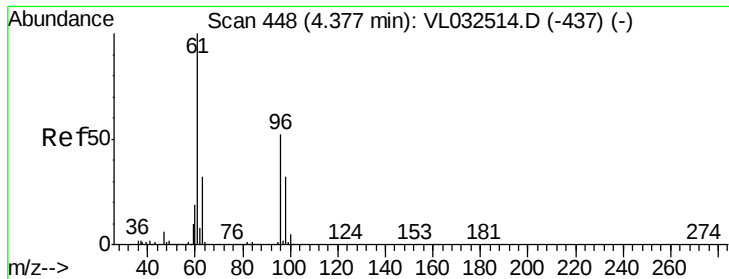
Tgt Ion: 43 Resp: 113702

Ion Ratio Lower Upper

43 100

58 28.7 22.6 33.8

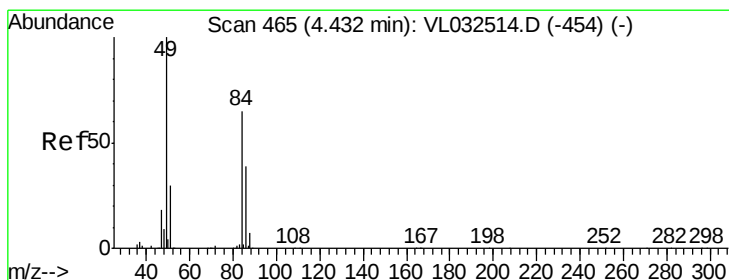
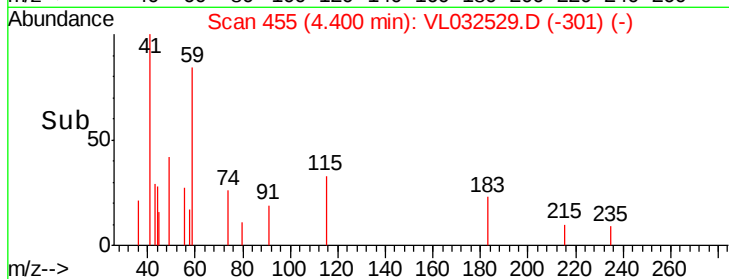
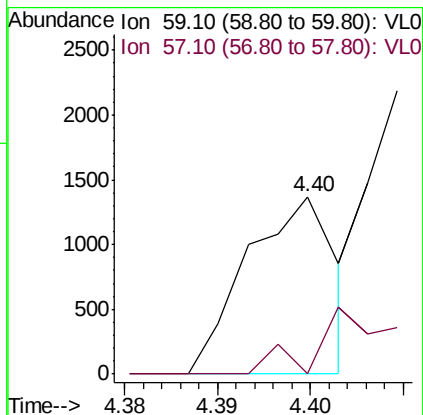
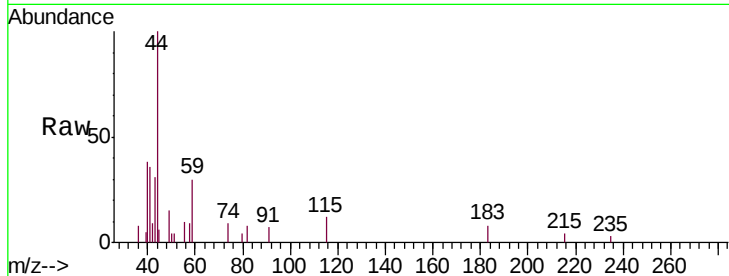




#17
 tert-Butyl alcohol
 Concen: 0.058 ppbv
 RT: 4.40 min Scan# 455
 Delta R.T. -0.01 min
 Lab File: VL032529.D
 Acq: 25 Sep 2018 4:18

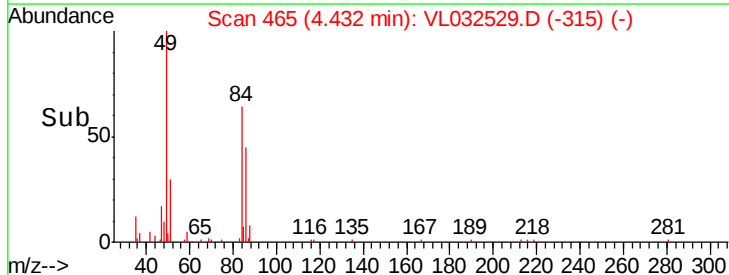
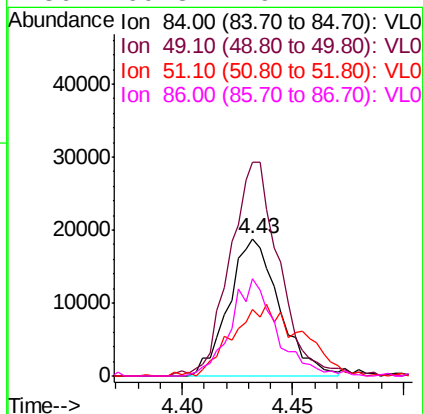
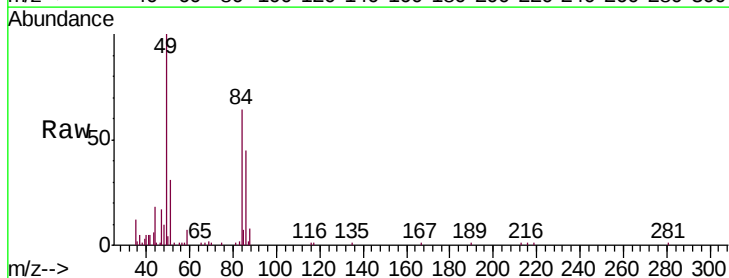
Instrument :
 MSVOA_L
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 OUTDOOR-AMBIENTDL

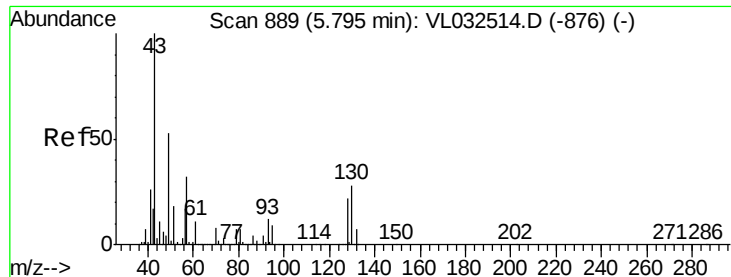
Tgt Ion: 59 Resp: 905
 Ion Ratio Lower Upper
 59 100
 57 0.0 0.0 0.0



#20
 Methylene Chloride
 Concen: 0.499 ppbv
 RT: 4.43 min Scan# 465
 Delta R.T. -0.02 min
 Lab File: VL032529.D
 Acq: 25 Sep 2018 4:18

Tgt Ion: 84 Resp: 29929
 Ion Ratio Lower Upper
 84 100
 49 153.6 119.1 178.7
 51 45.3 35.2 52.8
 86 69.3 49.4 74.2





#25

Ethyl Acetate

Concen: 0.093 ppbv

RT: 5.81 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL032529.D

Acq: 25 Sep 2018 4:18

Instrument :

MSVOA_L

ClientSampleId :

OUTDOOR-AMBIENTDL

Tgt Ion: 43 Resp: 28014

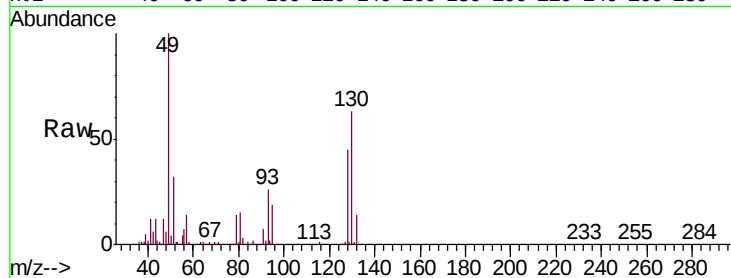
Ion Ratio Lower Upper

43 100

45 4.5 8.0 12.0#

61 2.3 7.6 11.4#

70 3.9 5.8 8.8#



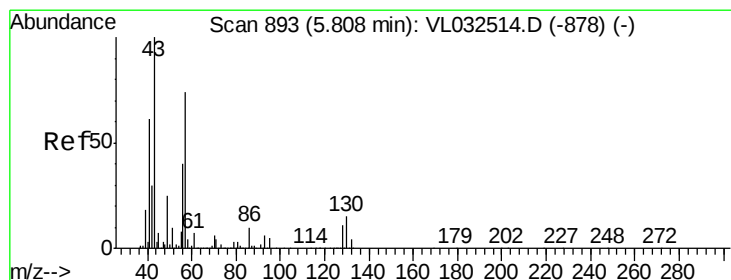
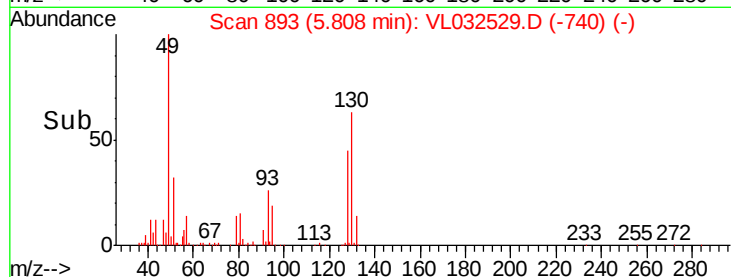
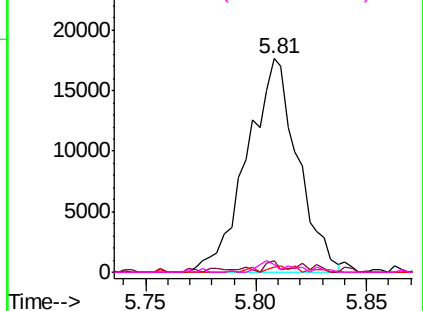
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.260 ppbv

RT: 5.80 min Scan# 892

Delta R.T. -0.02 min

Lab File: VL032529.D

Acq: 25 Sep 2018 4:18

Tgt Ion: 57 Resp: 35295

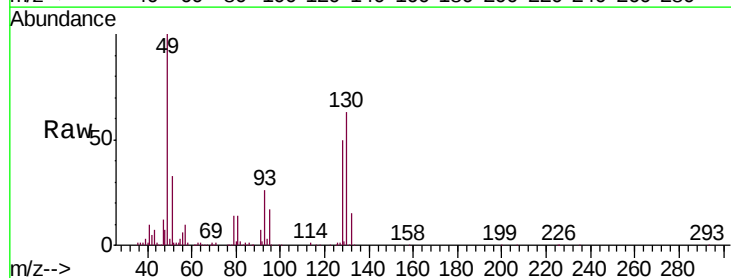
Ion Ratio Lower Upper

57 100

41 103.3 69.0 103.4

43 80.1 172.1 258.1#

56 61.2 42.2 63.2



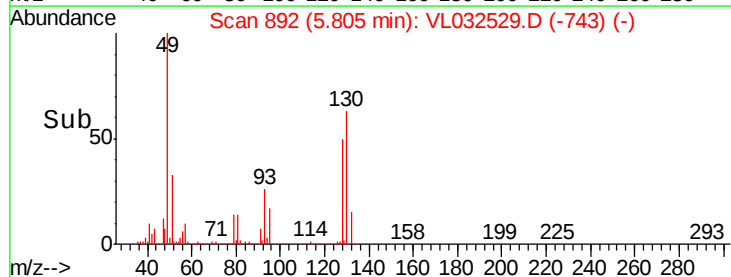
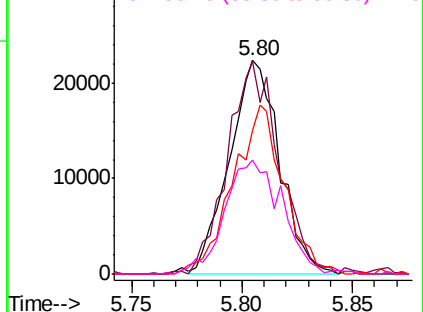
Abundance

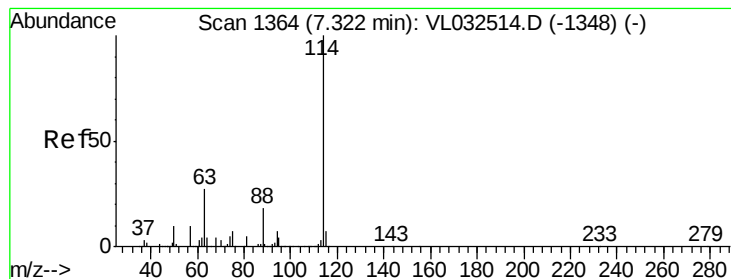
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.32 min Scan# 1363

Delta R.T. -0.03 min

Lab File: VL032529.D

Acq: 25 Sep 2018 4:18

Instrument :

MSVOA_L

ClientSampleId :

OUTDOOR-AMBIENTDL

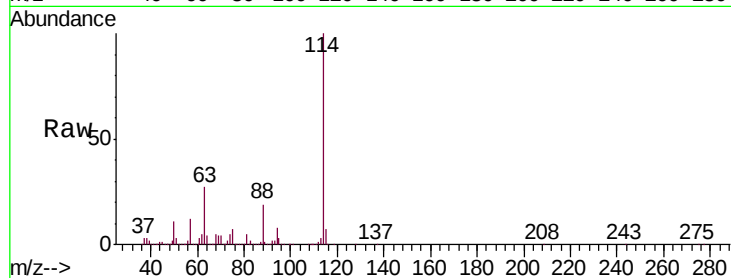
Tgt Ion:114 Resp: 3305917

Ion Ratio Lower Upper

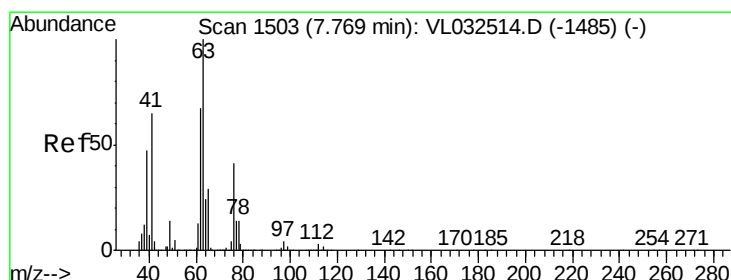
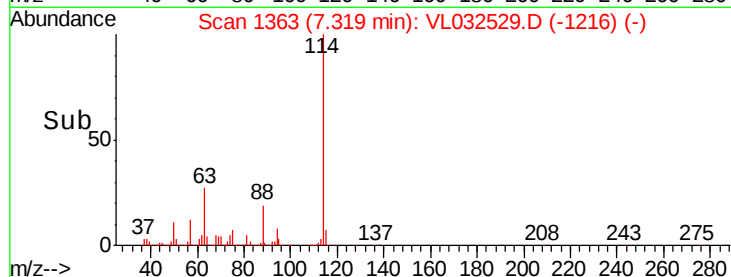
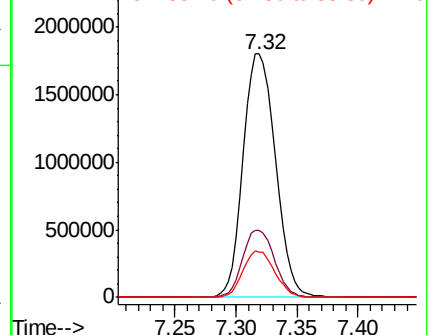
114 100

63 27.4 22.2 33.4

88 18.7 15.0 22.4



Abundance Ion 114.10 (113.80 to 114.80): VL0
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0



#39

1,2-Dichloropropane

Concen: 7.456 ppbv

RT: 7.32 min Scan# 1362

Delta R.T. -0.47 min

Lab File: VL032529.D

Acq: 25 Sep 2018 4:18

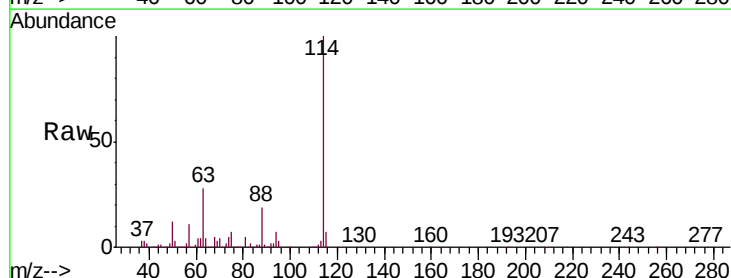
Tgt Ion: 63 Resp: 897734

Ion Ratio Lower Upper

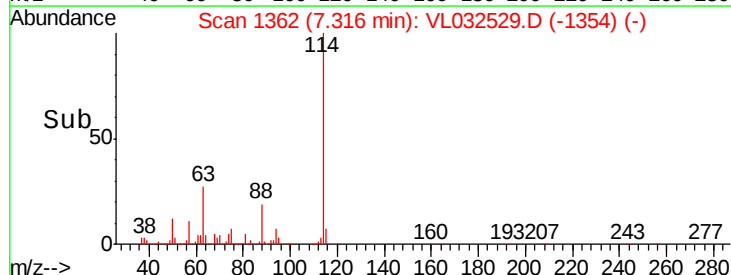
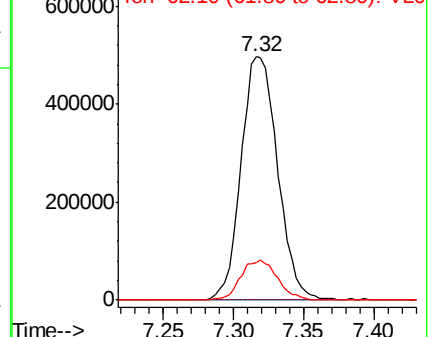
63 100

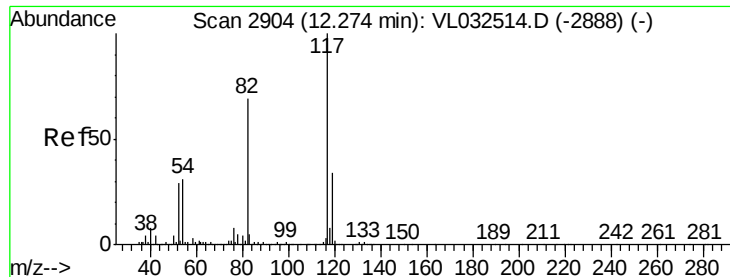
41 0.0 55.4 83.0#

62 15.4 55.4 83.0#



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

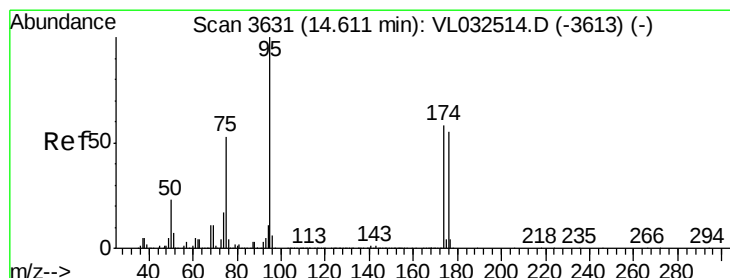
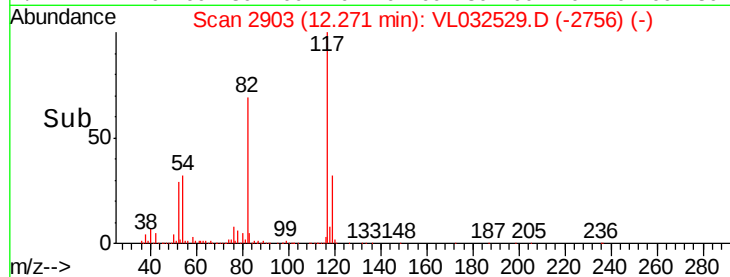
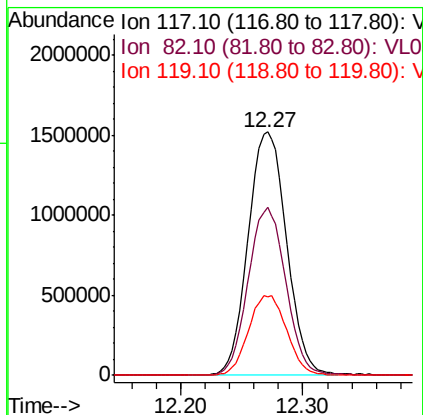
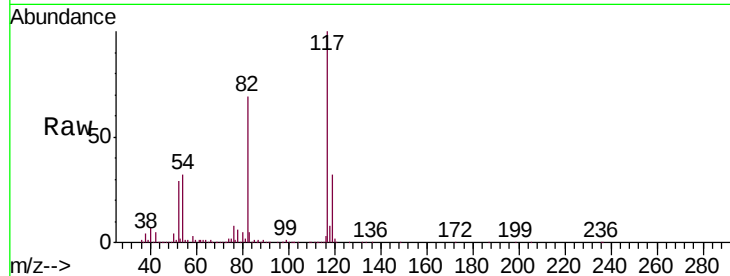




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2903
Delta R.T. -0.03 min
Lab File: VL032529.D
Acq: 25 Sep 2018 4:18

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Tgt Ion: 117 Resp: 3308579
Ion Ratio Lower Upper
117 100
82 68.0 53.0 79.6
119 32.7 45.9 68.9#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.900 ppbv
RT: 14.61 min Scan# 3630
Delta R.T. -0.03 min
Lab File: VL032529.D
Acq: 25 Sep 2018 4:18

Tgt Ion: 95 Resp: 2470090
Ion Ratio Lower Upper
95 100
174 59.1 46.3 69.5
175 4.1 3.4 5.0

