

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
 Data File : VL032566.D
 Acq On : 28 Sep 2018 2:04
 Operator : SY/AP
 Sample : J5094-02DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 LIA-1DL

Quant Time: Sep 28 04:50:06 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	1271392	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	2941435	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	2946603	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2198296	9.89	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%

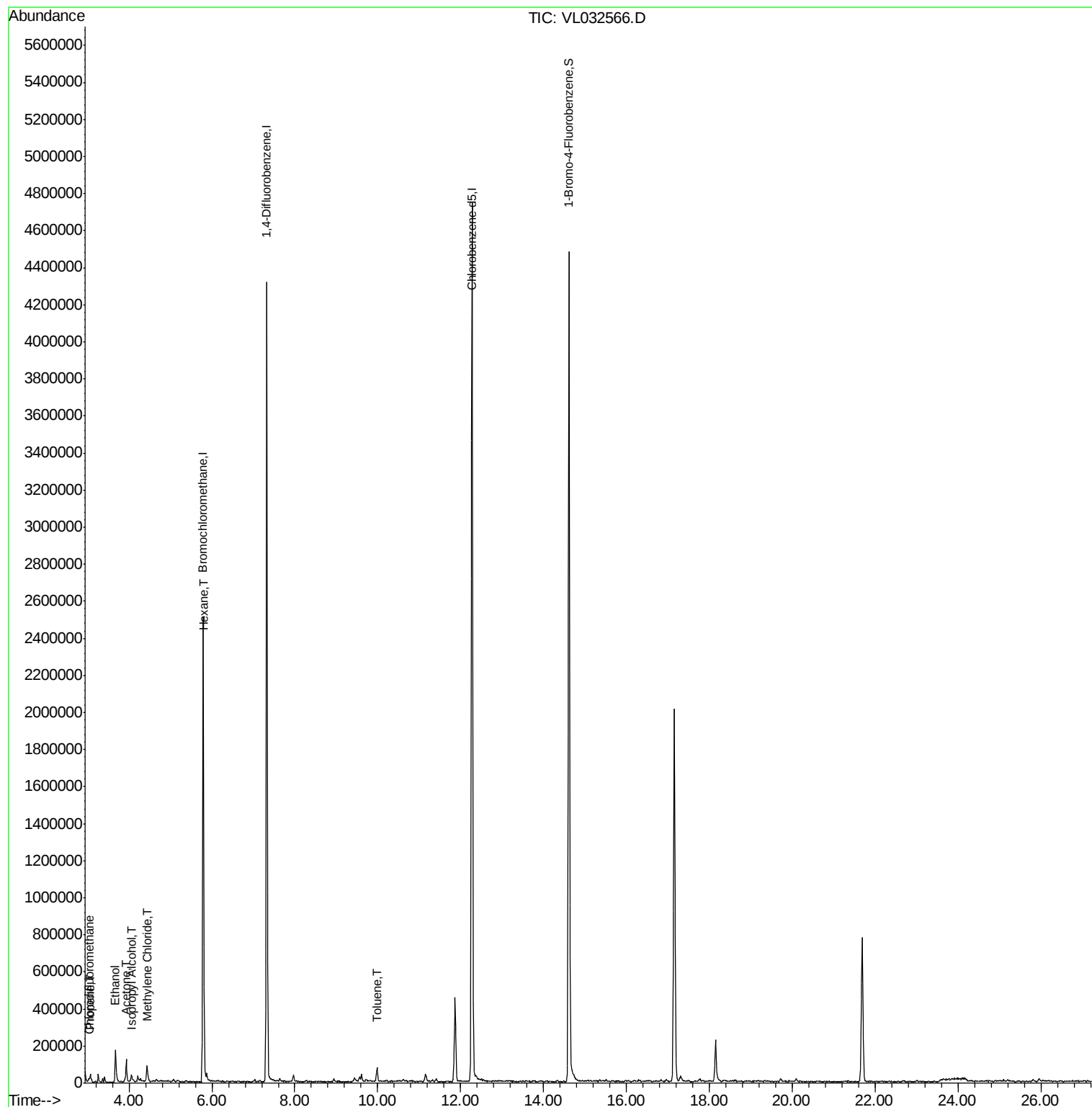
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.03	51	18892	0.179	ppbv	96
9) Propene	3.07	41	9107	0.199	ppbv	86
13) Ethanol	3.67	45	176882	12.828	ppbv	94
15) Acetone	3.93	43	113468	1.017	ppbv	99
19) Isopropyl Alcohol	4.06	45	42342	0.545	ppbv #	89
20) Methylene Chloride	4.43	84	26489	0.490	ppbv #	85
26) Hexane	5.80	57	18729	0.153	ppbv #	45
53) Toluene	9.98	91	54799	0.189	ppbv	91

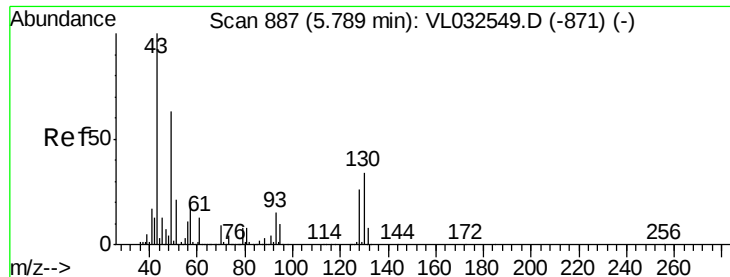
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.02 min

Lab File: VL032566.D

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Instrument :

MSVOA_L

ClientSampleId :

LIA-1DL

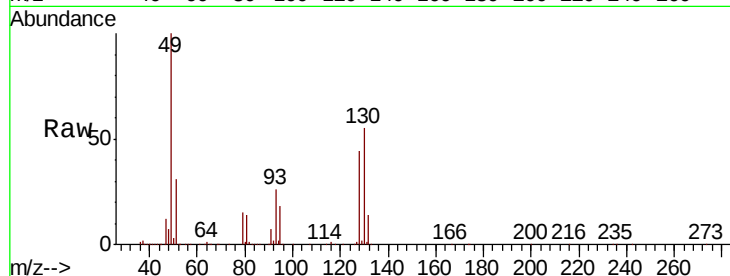
Tgt Ion: 49 Resp: 1271392

Ion Ratio Lower Upper

49 100

128 44.8 20.7 62.1

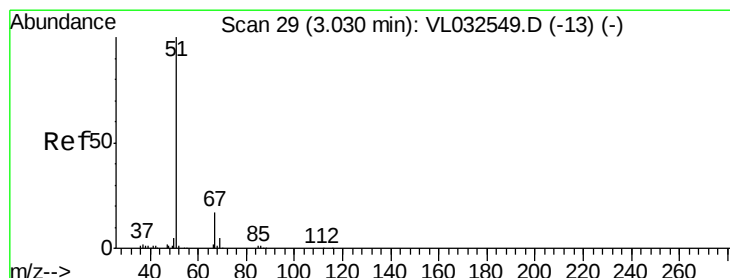
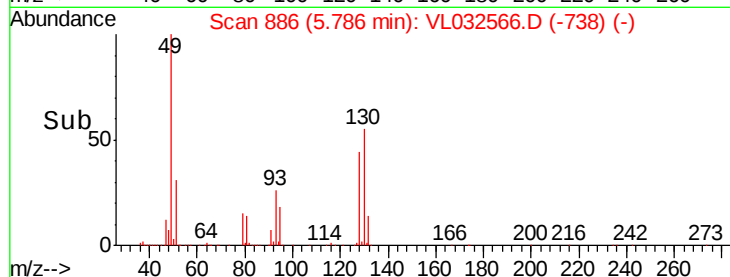
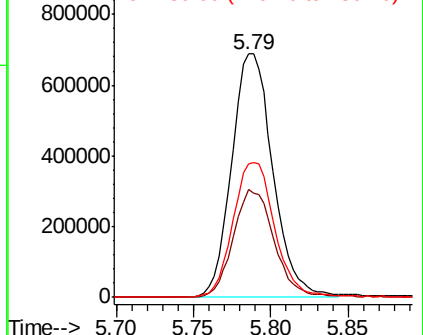
130 57.0 26.6 79.7



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



#3

Chlorodifluoromethane

Concen: 0.179 ppbv

RT: 3.03 min Scan# 28

Delta R.T. -0.02 min

Lab File: VL032566.D

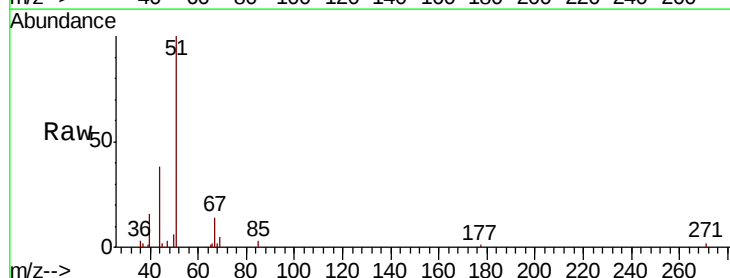
Acq: 28 Sep 2018 2:04

Tgt Ion: 51 Resp: 18892

Ion Ratio Lower Upper

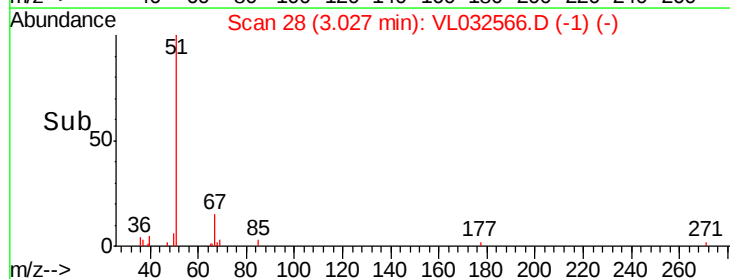
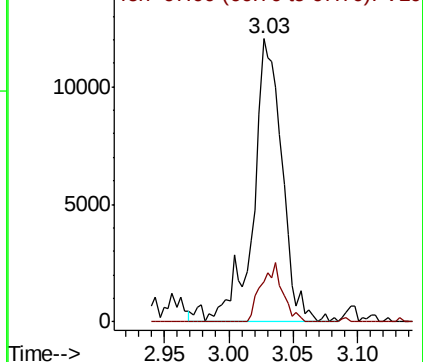
51 100

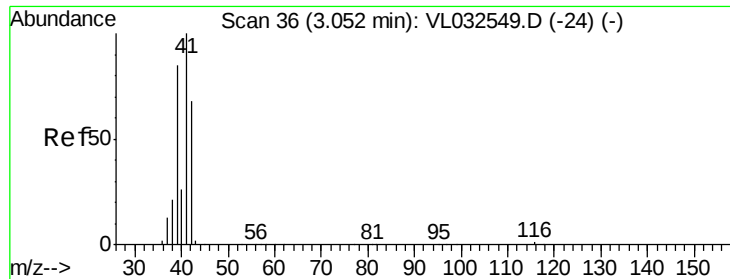
67 15.7 13.8 20.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.199 ppbv

RT: 3.07 min Scan# 40

Delta R.T. -0.00 min

Lab File: VL032566.D

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Instrument :

MSVOA_L

ClientSampleId :

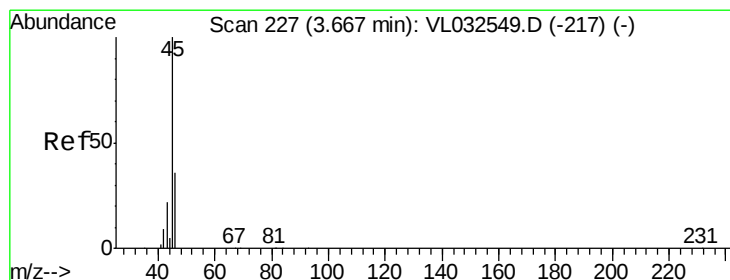
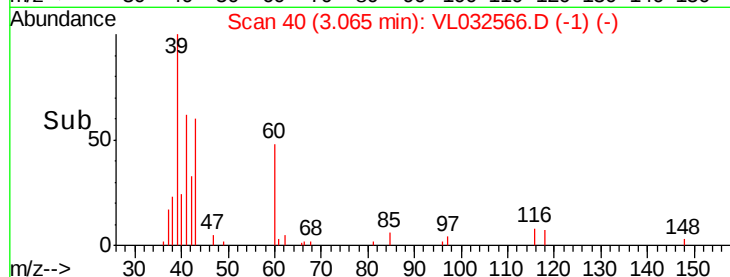
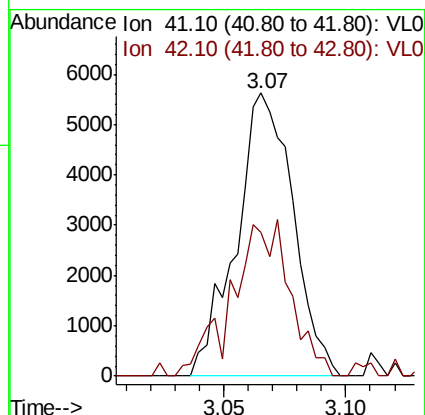
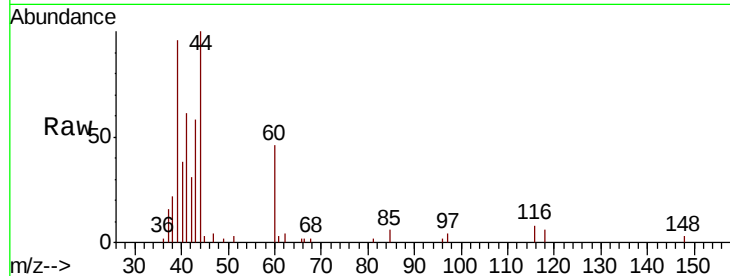
LIA-1DL

Tgt Ion: 41 Resp: 9107

Ion Ratio Lower Upper

41 100

42 58.7 56.6 84.8



#13

Ethanol

Concen: 12.828 ppbv

RT: 3.67 min Scan# 229

Delta R.T. -0.01 min

Lab File: VL032566.D

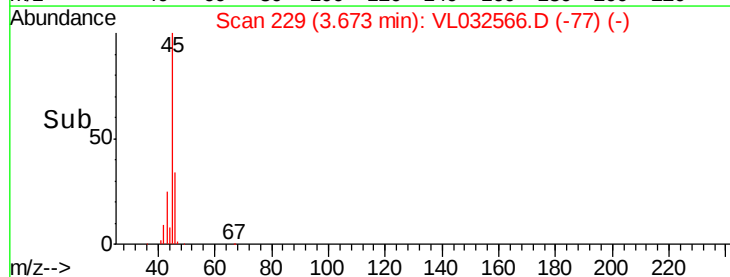
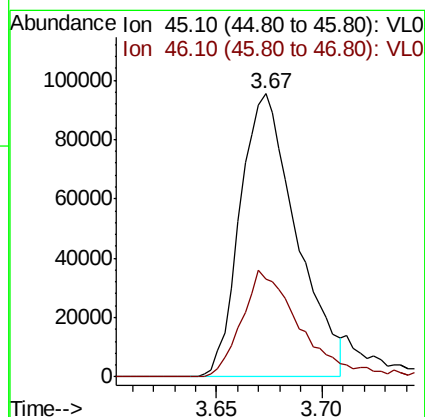
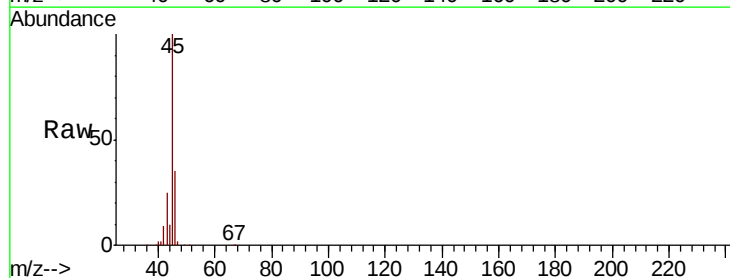
Acq: 28 Sep 2018 2:04

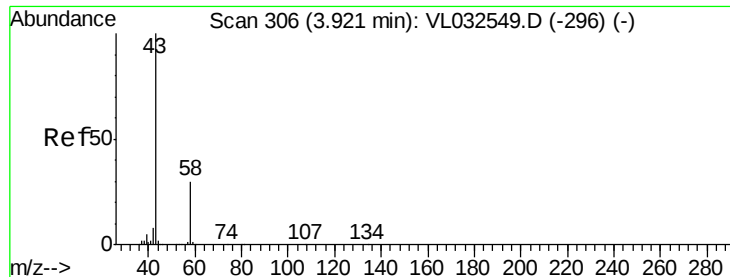
Tgt Ion: 45 Resp: 176882

Ion Ratio Lower Upper

45 100

46 39.1 14.2 56.8





#15

Acetone

Concen: 1.017 ppbv

RT: 3.93 min Scan# 309

Delta R.T. -0.01 min

Lab File: VL032566.D

Acq: 28 Sep 2018 2:04

Instrument :

MSVOA_L

ClientSampleId :

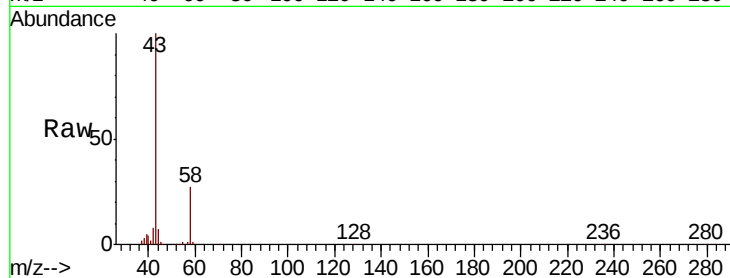
LIA-1DL

Tgt Ion: 43 Resp: 113468

Ion Ratio Lower Upper

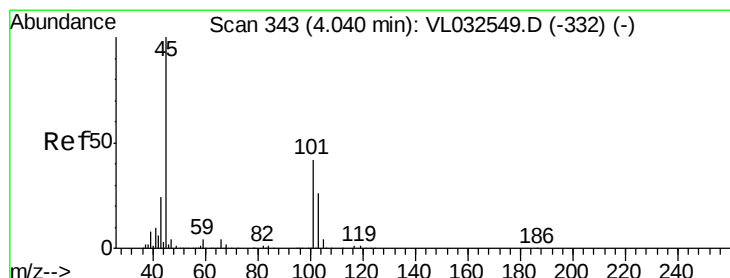
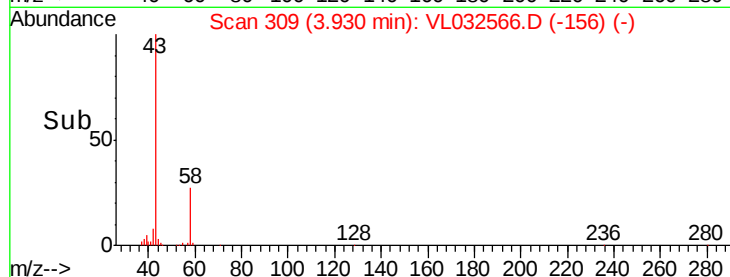
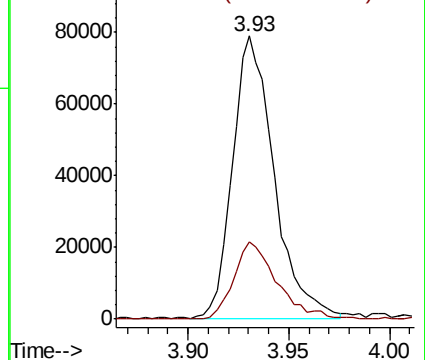
43 100

58 28.8 22.6 33.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 0.545 ppbv

RT: 4.06 min Scan# 350

Delta R.T. 0.00 min

Lab File: VL032566.D

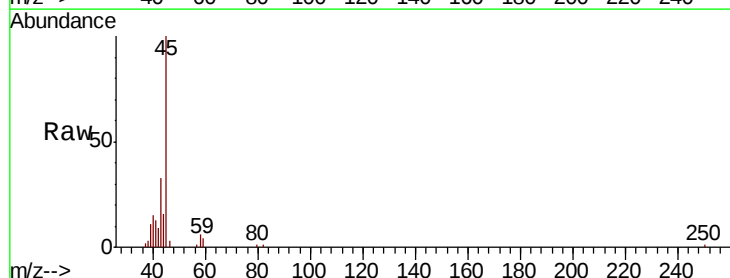
Acq: 28 Sep 2018 2:04

Tgt Ion: 45 Resp: 42342

Ion Ratio Lower Upper

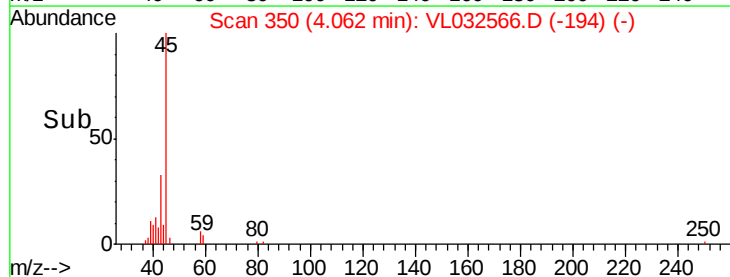
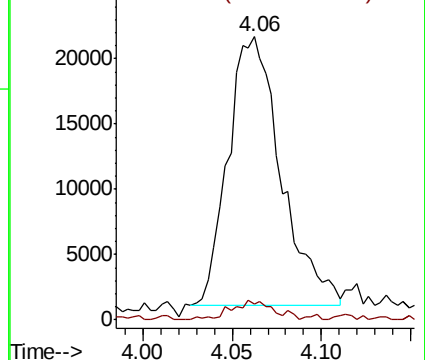
45 100

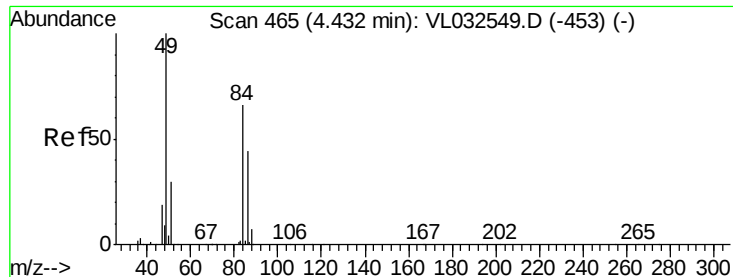
58 6.3 2.0 3.0#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

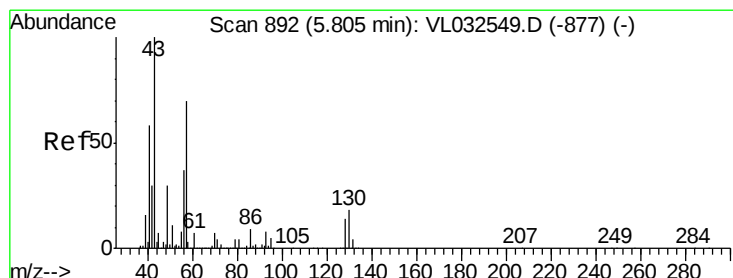
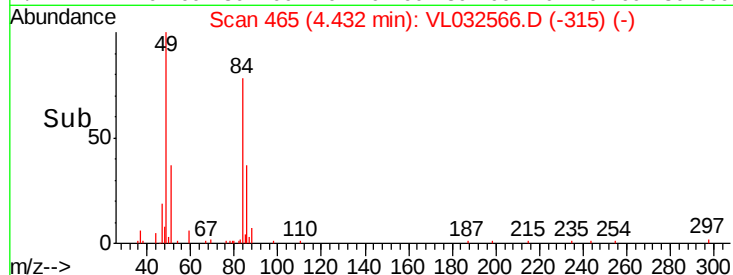
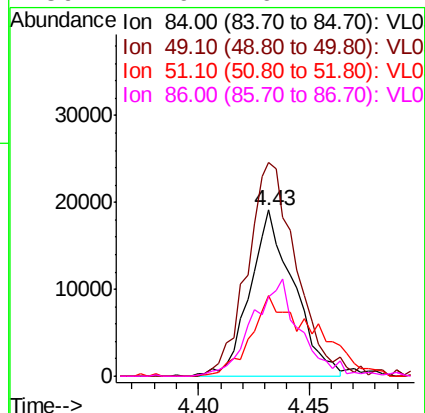
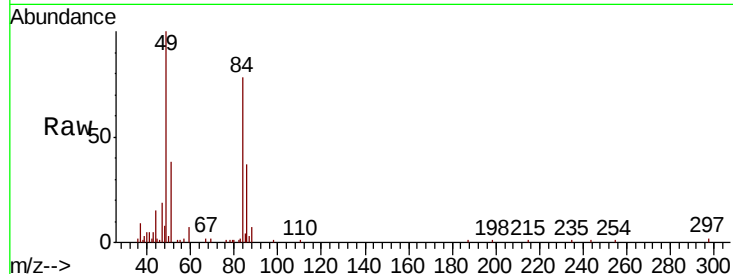




#20
Methylene Chloride
Concen: 0.490 ppbv
RT: 4.43 min Scan# 465
Delta R.T. -0.02 min
Lab File: VL032566.D
Acq: 28 Sep 2018 2:04

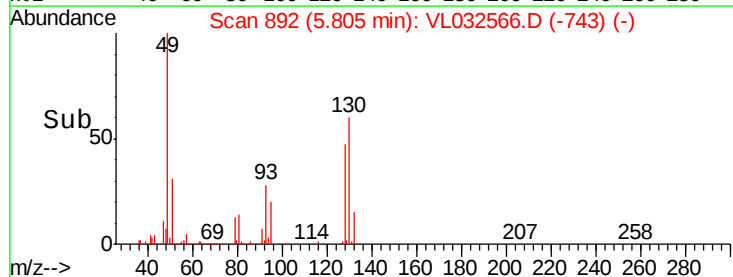
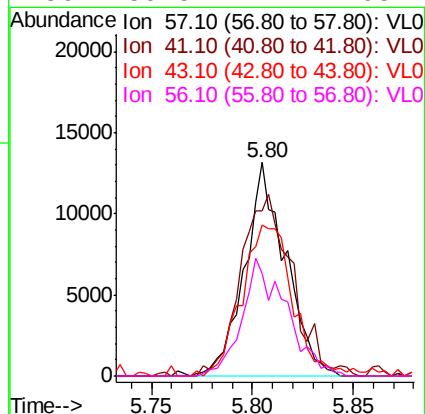
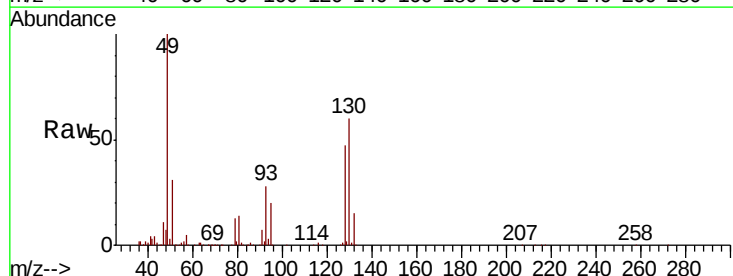
Instrument :
MSVOA_L
ClientSampleId :
LIA-1DL

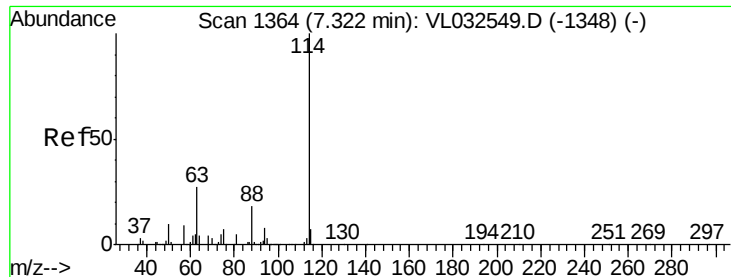
Tgt Ion: 84 Resp: 26489
Ion Ratio Lower Upper
84 100
49 128.7 119.1 178.7
51 48.4 35.2 52.8
86 47.9 49.4 74.2#



#26
Hexane
Concen: 0.153 ppbv
RT: 5.80 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL032566.D
Acq: 28 Sep 2018 2:04

Tgt Ion: 57 Resp: 18729
Ion Ratio Lower Upper
57 100
41 107.8 69.0 103.4#
43 89.3 172.1 258.1#
56 59.5 42.2 63.2

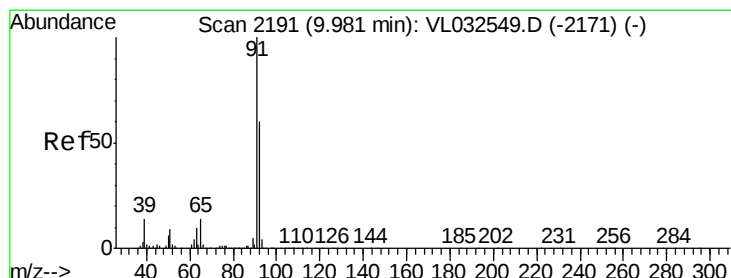
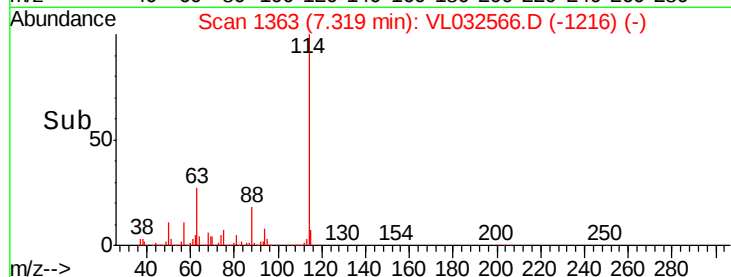
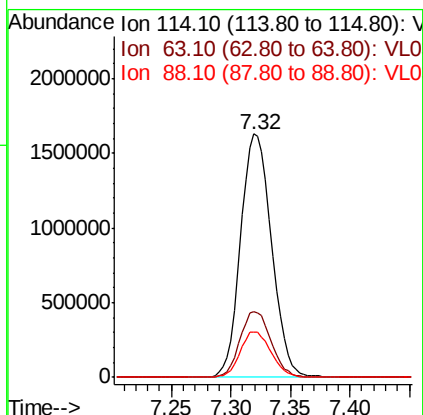
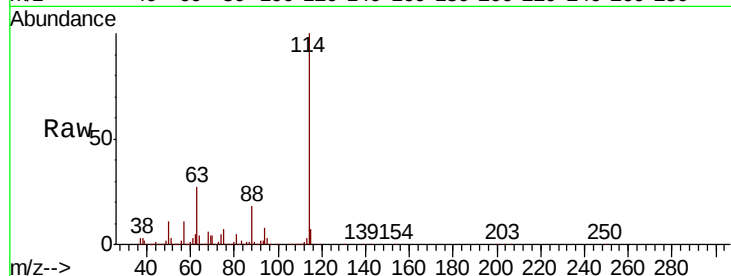




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.32 min Scan# 1363
 Delta R.T. -0.03 min
 Lab File: VL032566.D
 Acq: 28 Sep 2018 2:04

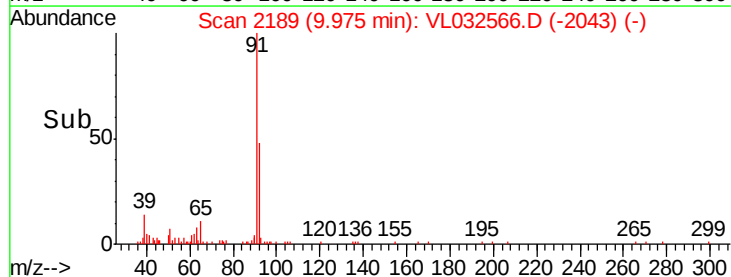
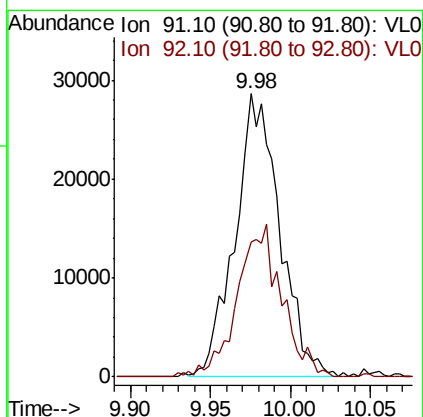
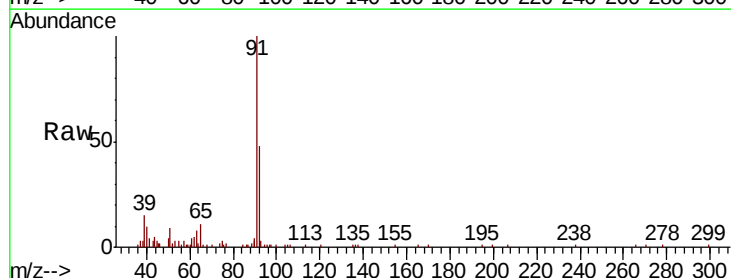
Instrument :
 MSVOA_L
 ClientSampleId :
 LIA-1DL

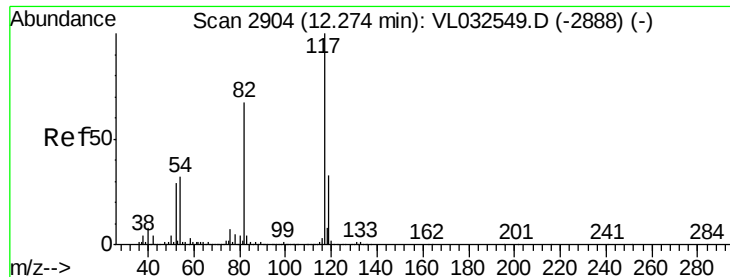
Tgt Ion: 114 Resp: 2941435
 Ion Ratio Lower Upper
 114 100
 63 27.4 22.2 33.4
 88 18.8 15.0 22.4



#53
 Toluene
 Concen: 0.189 ppbv
 RT: 9.98 min Scan# 2189
 Delta R.T. -0.03 min
 Lab File: VL032566.D
 Acq: 28 Sep 2018 2:04

Tgt Ion: 91 Resp: 54799
 Ion Ratio Lower Upper
 91 100
 92 53.2 48.1 72.1

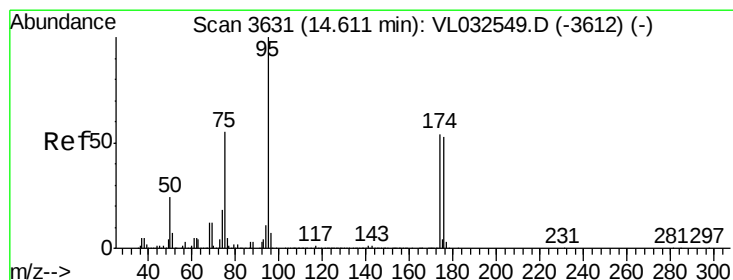
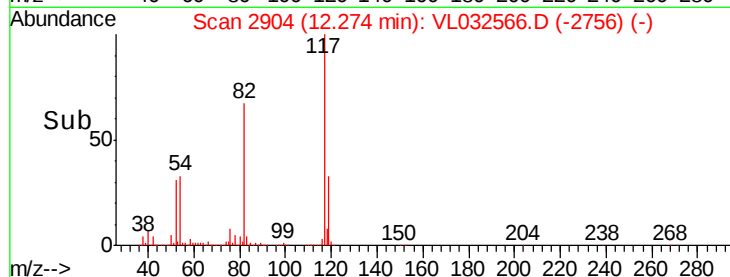
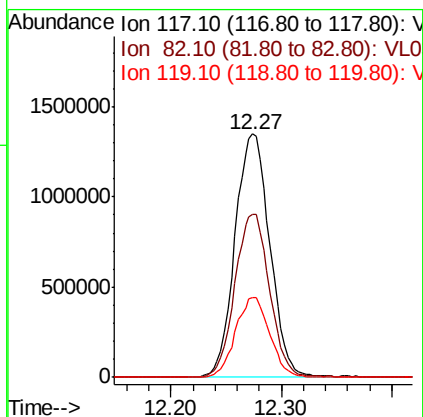
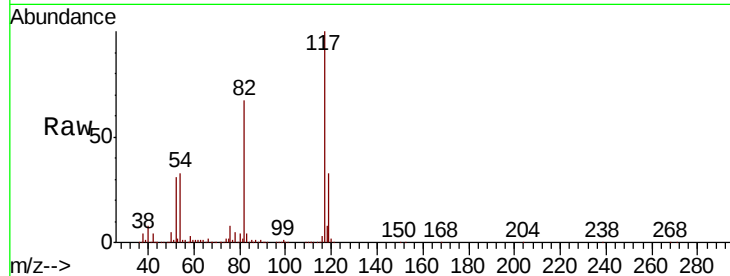




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.02 min
Lab File: VL032566.D
Acq: 28 Sep 2018 2:04

Instrument :
MSVOA_L
ClientSampleId :
LIA-1DL

Tgt Ion: 117 Resp: 2946603
Ion Ratio Lower Upper
117 100
82 66.9 53.0 79.6
119 32.4 45.9 68.9#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.893 ppbv
RT: 14.61 min Scan# 3631
Delta R.T. -0.02 min
Lab File: VL032566.D
Acq: 28 Sep 2018 2:04

Tgt Ion: 95 Resp: 2198296
Ion Ratio Lower Upper
95 100
174 58.3 46.3 69.5
175 4.0 3.4 5.0

