

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021419\
 Data File : VL033216.D
 Acq On : 15 Feb 2019 2:50
 Operator : SY/AP
 Sample : K1483-09DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ZONE-FDL

Quant Time: Feb 15 15:47:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL020519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 06 09:13:11 2019
 QLast Update : Wed Feb 06 09:13:11 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	822376	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1847337	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2139374	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1717175	10.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

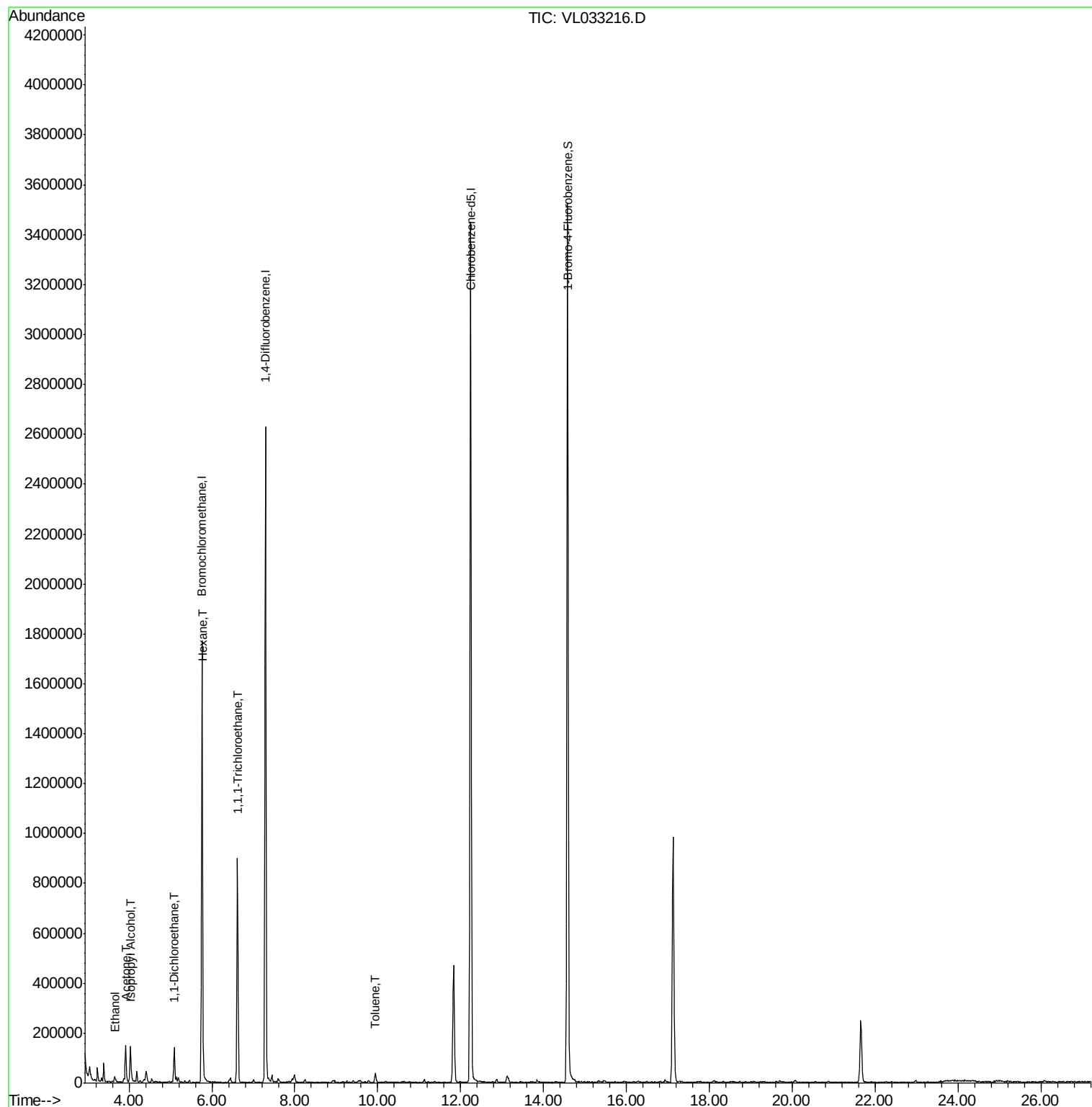
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.65	45	20303m	1.273	ppbv	
15) Acetone	3.91	43	105973m	1.144	ppbv	
19) Isopropyl Alcohol	4.03	45	162666m	2.589	ppbv	
24) 1,1-Dichloroethane	5.09	63	109782	0.967	ppbv	98
26) Hexane	5.78	57	16447	0.168	ppbv #	41
32) 1,1,1-Trichloroethane	6.62	97	546504	3.312	ppbv	97
53) Toluene	9.95	91	22506m	0.102	ppbv	

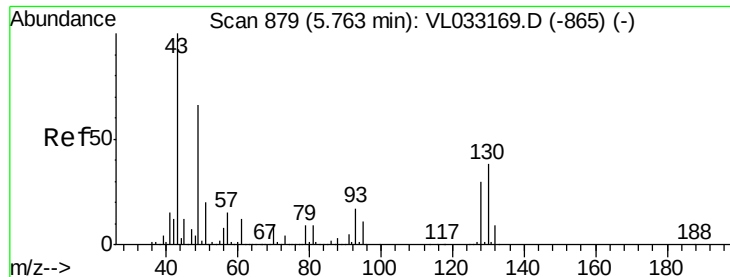
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL020519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 06 09:13:11 2019
QLast Update : Wed Feb 06 09:13:11 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033216.D

Acq: 15 Feb 2019 2:50

Instrument :

MSVOA_L

ClientSampleId :

ZONE-FDL

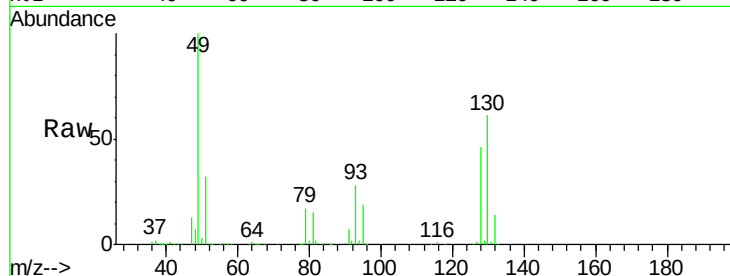
Tot Ion: 49 Resp: 822376

Ion Ratio Lower Upper

49 100

128 46.1 23.6 71.0

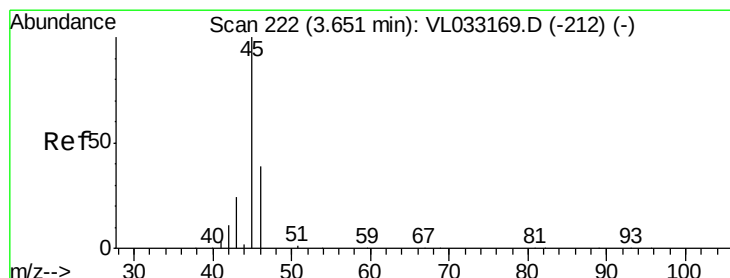
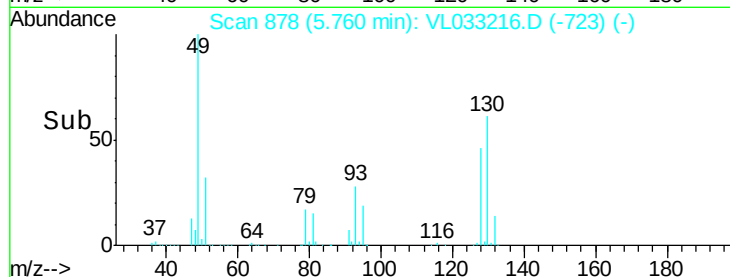
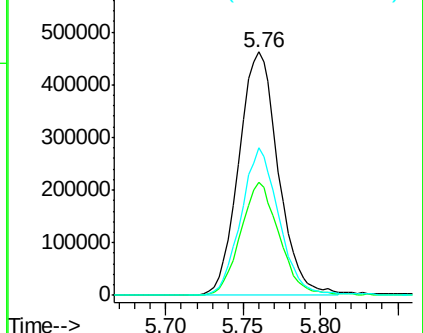
130 59.0 30.3 91.0



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



#13

Ethanol

Concen: 1.273 ppbv m

RT: 3.65 min Scan# 223

Delta R.T. 0.00 min

Lab File: VL033216.D

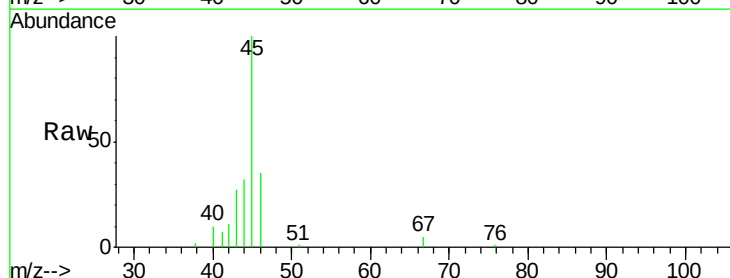
Acq: 15 Feb 2019 2:50

Tgt Ion: 45 Resp: 20303

Ion Ratio Lower Upper

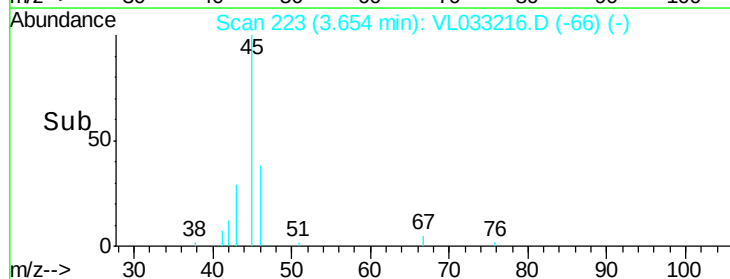
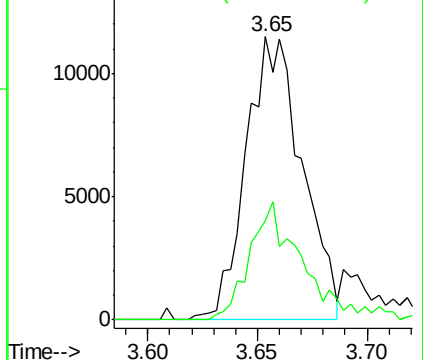
45 100

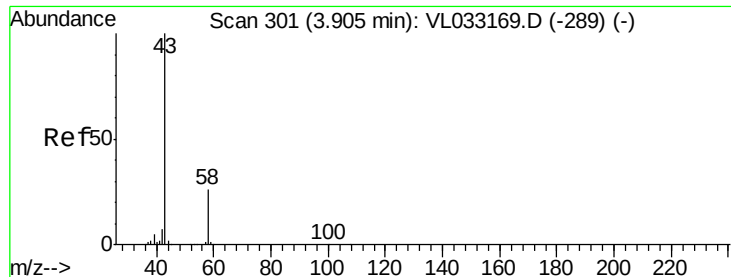
46 0.0 15.0 60.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 1.144 ppbv m

RT: 3.91 min Scan# 303

Delta R.T. 0.01 min

Lab File: VL033216.D

Acq: 15 Feb 2019 2:50

Instrument :

MSVOA_L

ClientSampleId :

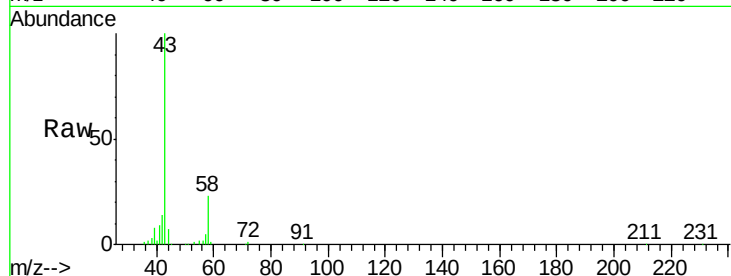
ZONE-FDL

Tot Ion: 43 Resp: 105973

Ion Ratio Lower Upper

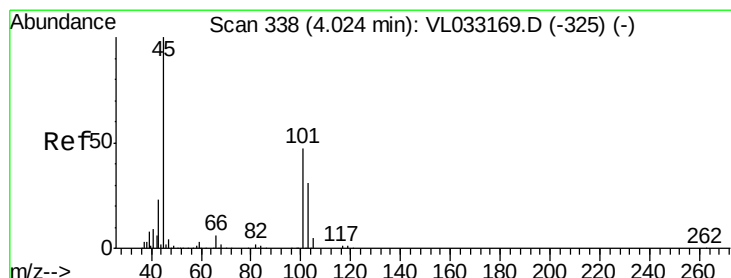
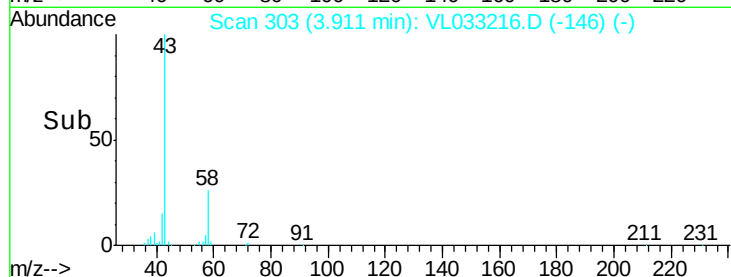
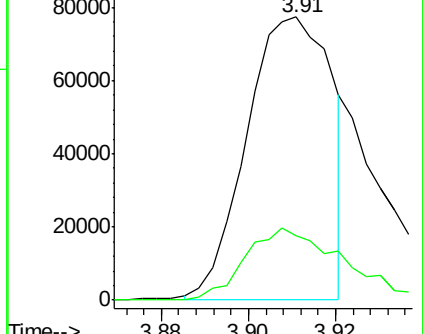
43 100

58 29.8 21.1 31.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 2.589 ppbv m

RT: 4.03 min Scan# 341

Delta R.T. 0.01 min

Lab File: VL033216.D

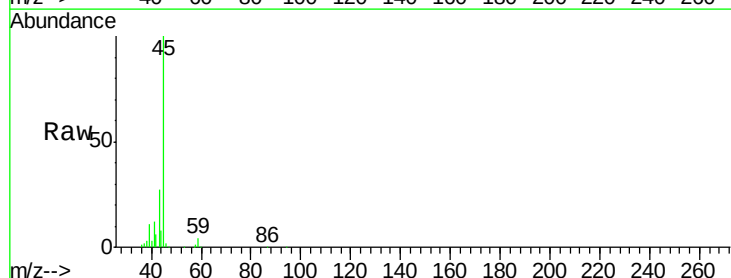
Acq: 15 Feb 2019 2:50

Tgt Ion: 45 Resp: 162666

Ion Ratio Lower Upper

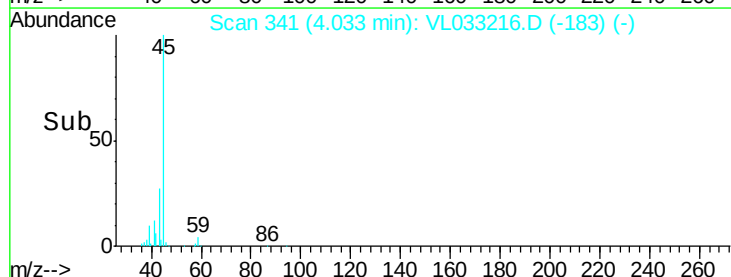
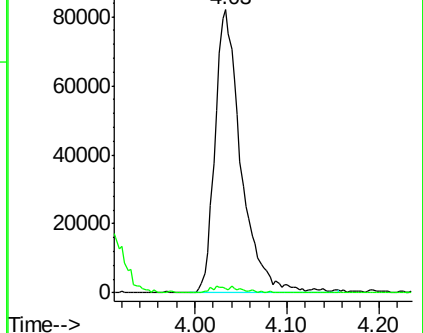
45 100

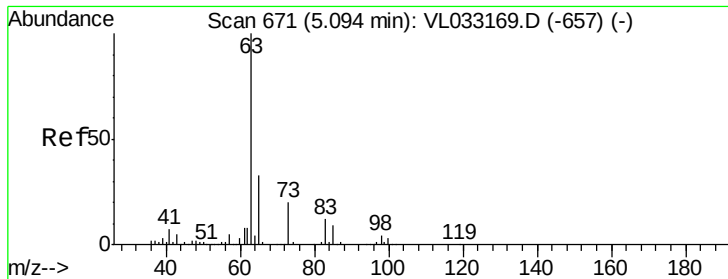
58 0.0 1.5 2.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#24

1,1-Dichloroethane

Concen: 0.967 ppbv

RT: 5.09 min Scan# 669

Delta R.T. -0.01 min

Lab File: VL033216.D

Acq: 15 Feb 2019 2:50

Instrument :

MSVOA_L

ClientSampleId :

ZONE-FDL

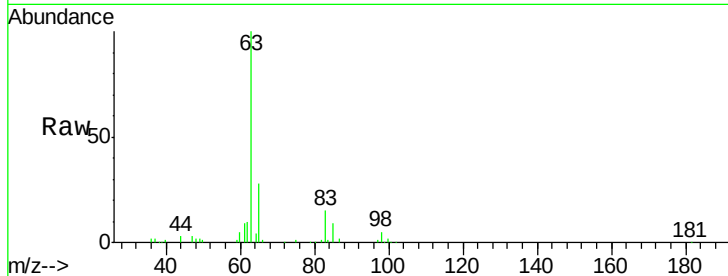
Tot Ion: 63 Resp: 109782

Ion Ratio Lower Upper

63 100

98 4.8 2.1 6.5

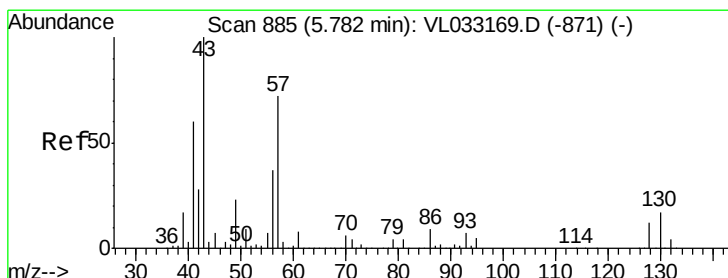
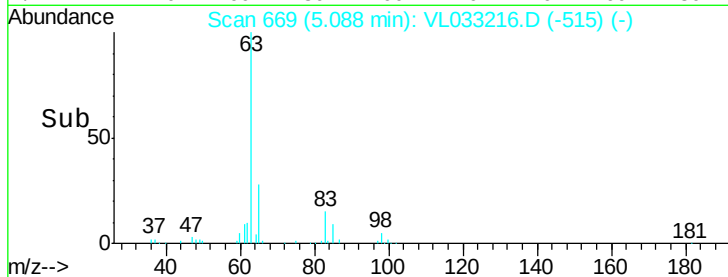
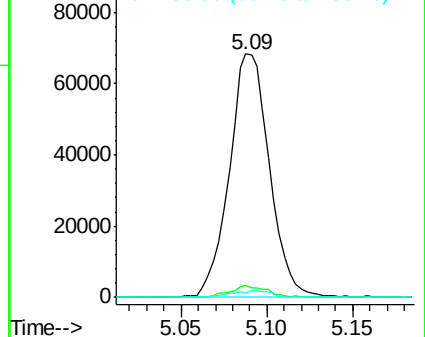
100 1.9 1.4 4.2



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0



#26

Hexane

Concen: 0.168 ppbv

RT: 5.78 min Scan# 883

Delta R.T. -0.01 min

Lab File: VL033216.D

Acq: 15 Feb 2019 2:50

Tgt Ion: 57 Resp: 16447

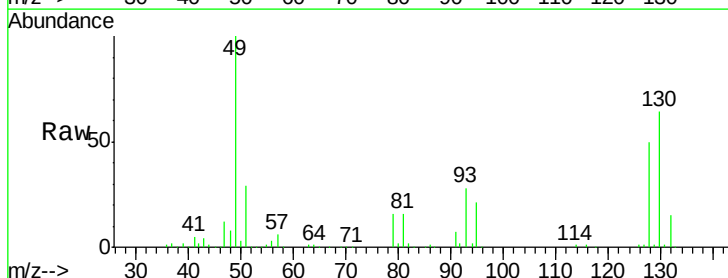
Ion Ratio Lower Upper

57 100

41 103.2 69.4 104.2

43 80.0 176.7 265.1#

56 55.9 41.4 62.0

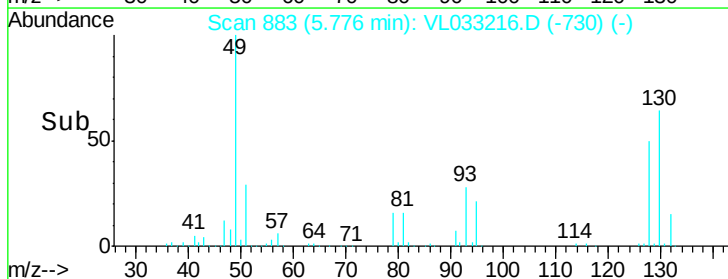
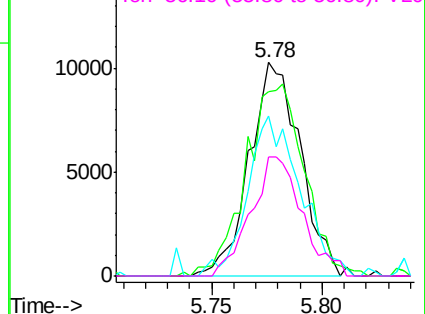


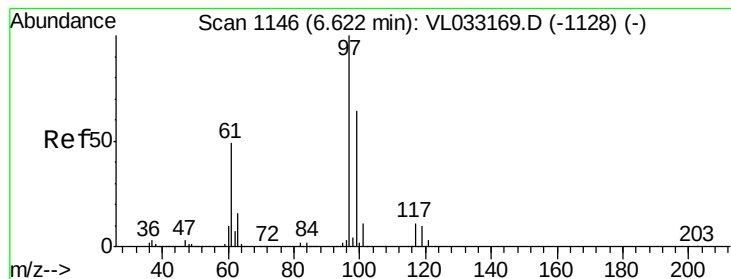
Abundance Ion 57.10 (56.80 to 57.80): VL0

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





#32

1,1,1-Trichloroethane

Concen: 3.312 ppbv

RT: 6.62 min Scan# 1145

Delta R.T. -0.00 min

Lab File: VL033216.D

Acq: 15 Feb 2019 2:50

Instrument :

MSVOA_L

ClientSampleId :

ZONE-FDL

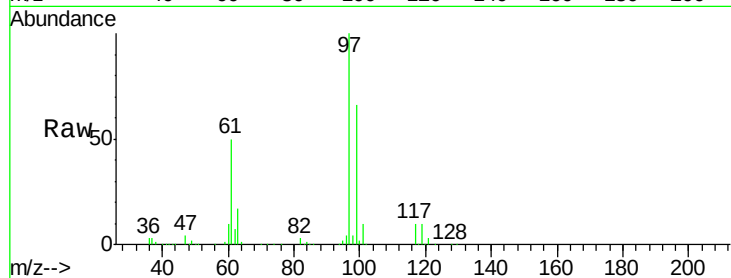
Tot Ion: 97 Resp: 546504

Ion Ratio Lower Upper

97 100

99 64.7 51.4 77.2

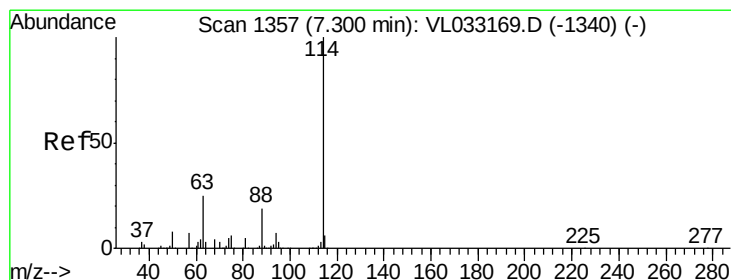
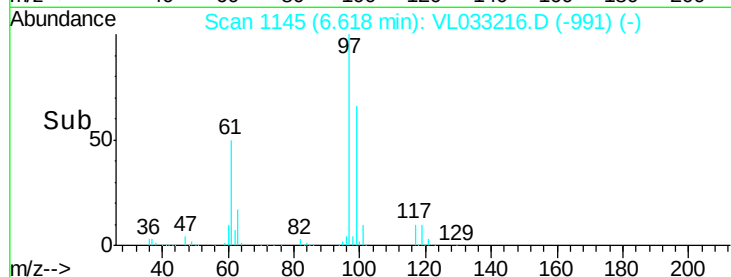
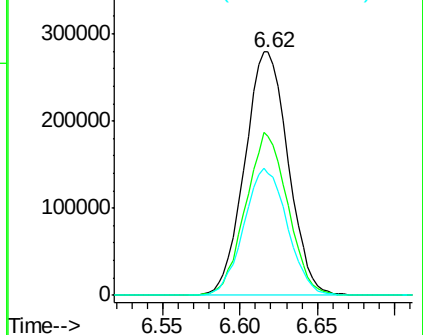
61 52.1 38.9 58.3



Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1354

Delta R.T. -0.01 min

Lab File: VL033216.D

Acq: 15 Feb 2019 2:50

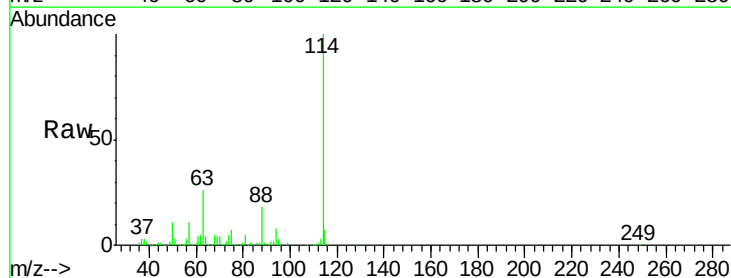
Tgt Ion: 114 Resp: 1847337

Ion Ratio Lower Upper

114 100

63 27.1 20.8 31.2

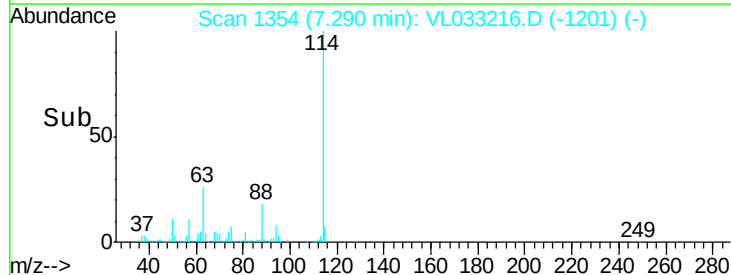
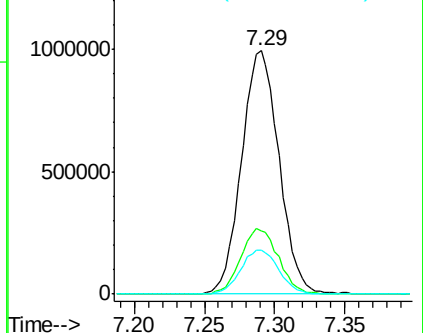
88 18.4 14.6 22.0

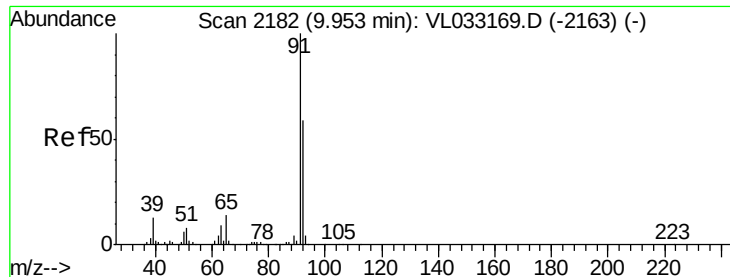


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#53

Toluene

Concen: 0.102 ppbv m

RT: 9.95 min Scan# 2181

Delta R.T. -0.00 min

Lab File: VL033216.D

Acq: 15 Feb 2019 2:50

Instrument :

MSVOA_L

ClientSampleId :

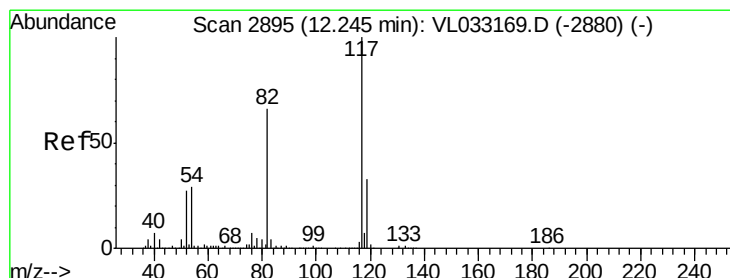
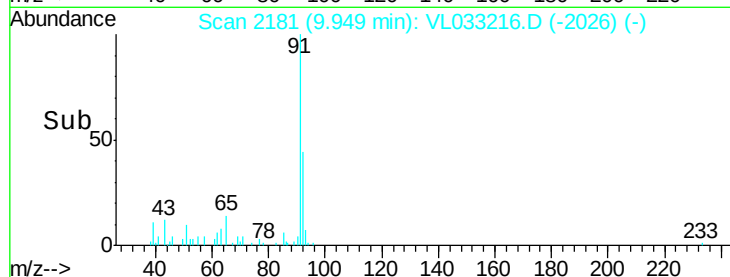
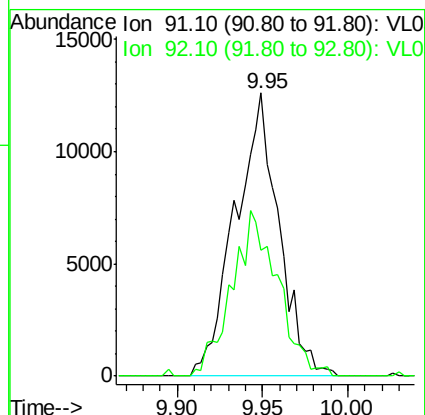
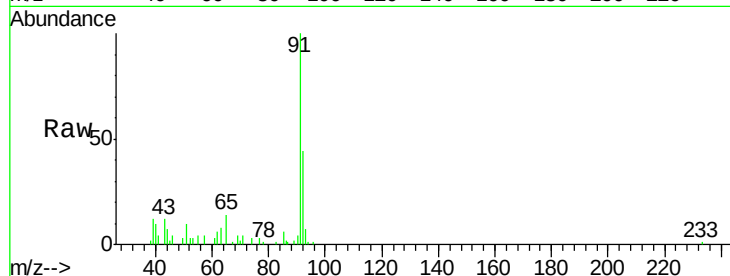
ZONE-FDL

Tot Ion: 91 Resp: 22506

Ion Ratio Lower Upper

91 100

92 61.3 48.0 72.0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2893

Delta R.T. -0.01 min

Lab File: VL033216.D

Acq: 15 Feb 2019 2:50

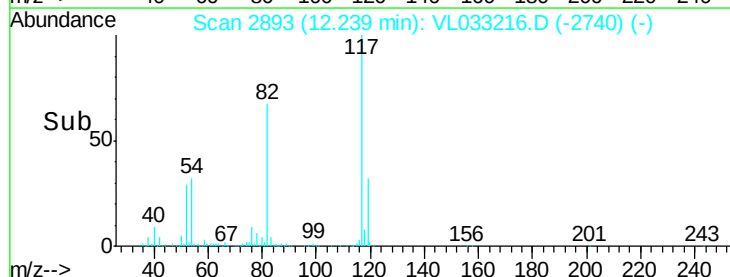
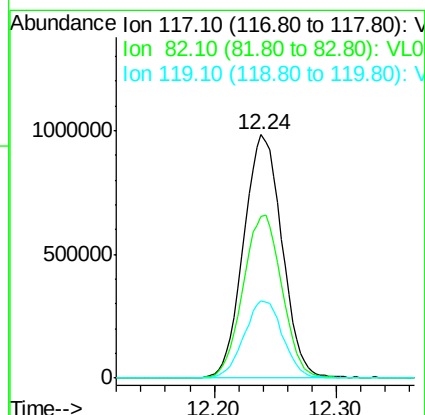
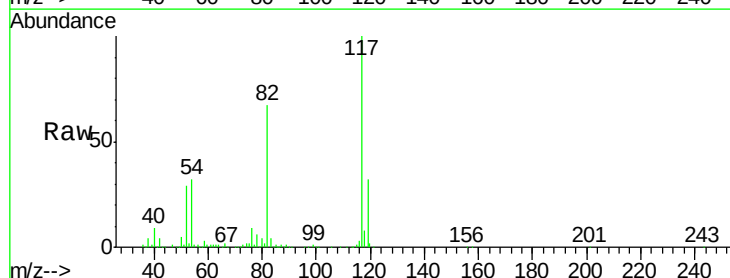
Tgt Ion: 117 Resp: 2139374

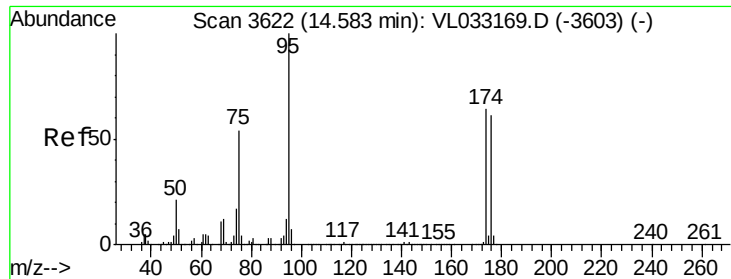
Ion Ratio Lower Upper

117 100

82 68.2 49.5 74.3

119 32.1 24.4 36.6





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.422 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. -0.00 min
 Lab File: VL033216.D
 Acq: 15 Feb 2019 2:50

Instrument :
 MSVOA_L
 ClientSampleId :
 ZONE-FDL

Tot Ion: 95 Resp: 1717175
 Ion Ratio Lower Upper
 95 100
 174 63.2 51.2 76.8
 175 4.7 3.8 5.6

