

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
 Data File : VL032572.D
 Acq On : 28 Sep 2018 6:01
 Operator : SY/AP
 Sample : J5094-05DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CIA-1DL

Quant Time: Sep 28 07:02:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	1293457	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	2833473	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.27	117	2824469	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2100611	9.86	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

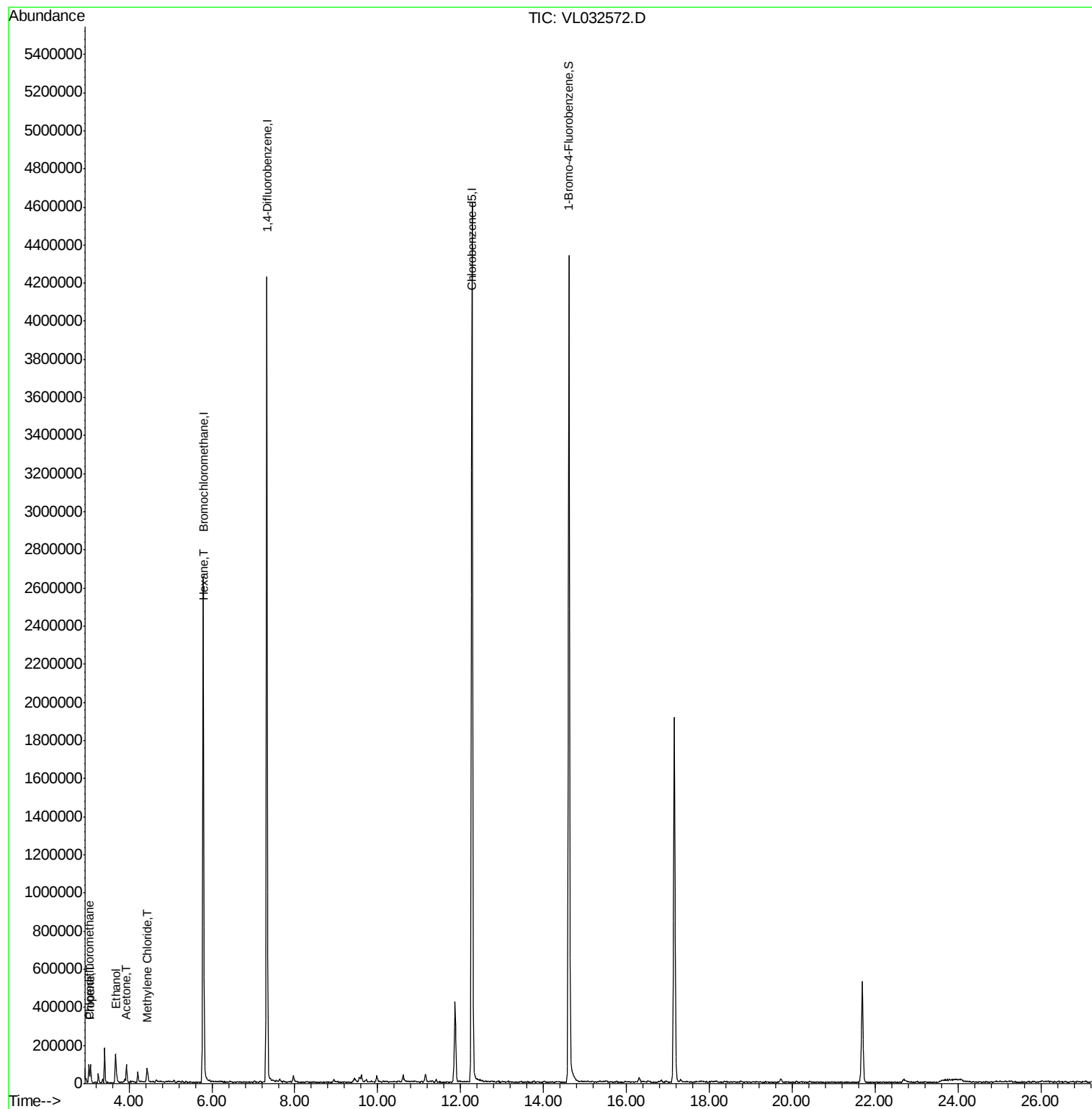
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.03	51	84536	0.786	ppbv	99
9) Propene	3.07	41	18793	0.403	ppbv #	73
13) Ethanol	3.68	45	163228	11.636	ppbv	98
15) Acetone	3.93	43	91297	0.804	ppbv	95
20) Methylene Chloride	4.44	84	22257	0.405	ppbv #	87
26) Hexane	5.80	57	19962	0.160	ppbv #	49

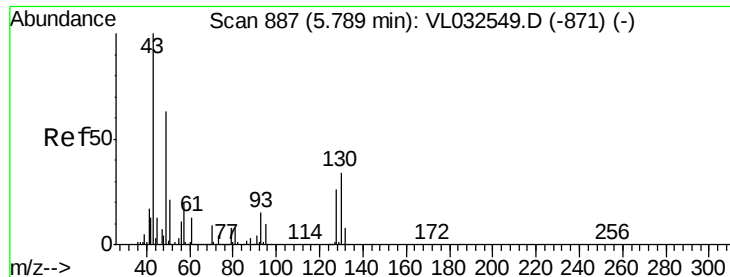
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 887

Delta R.T. -0.02 min

Lab File: VL032572.D

Acq: 28 Sep 2018 6:01

Instrument :

MSVOA_L

ClientSampleId :

CIA-1DL

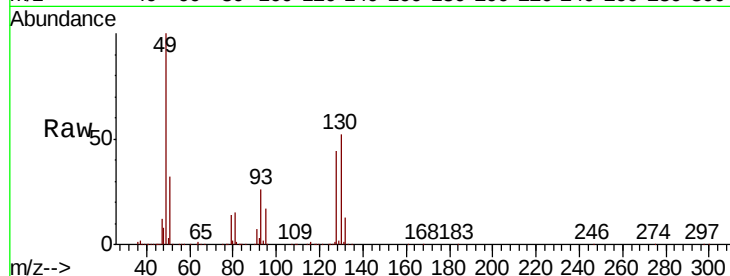
Tgt Ion: 49 Resp: 1293457

Ion Ratio Lower Upper

49 100

128 44.4 20.7 62.1

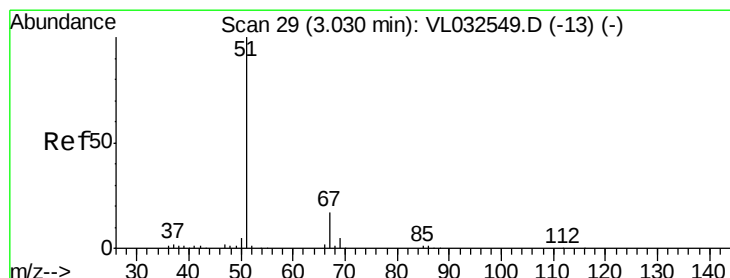
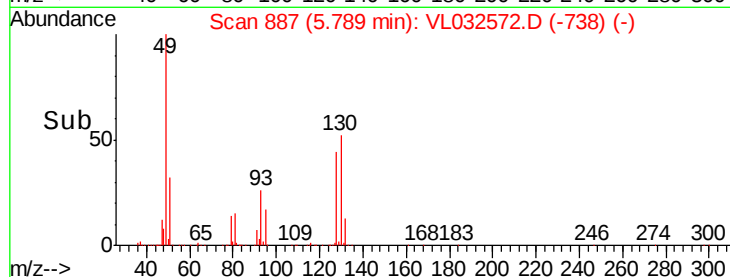
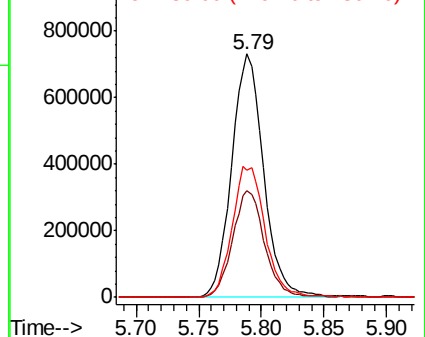
130 55.9 26.6 79.7



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: 0.786 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.01 min

Lab File: VL032572.D

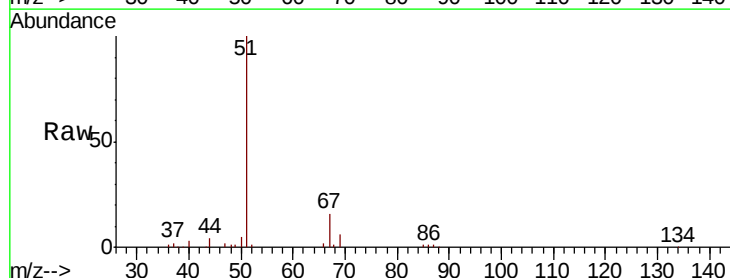
Acq: 28 Sep 2018 6:01

Tgt Ion: 51 Resp: 84536

Ion Ratio Lower Upper

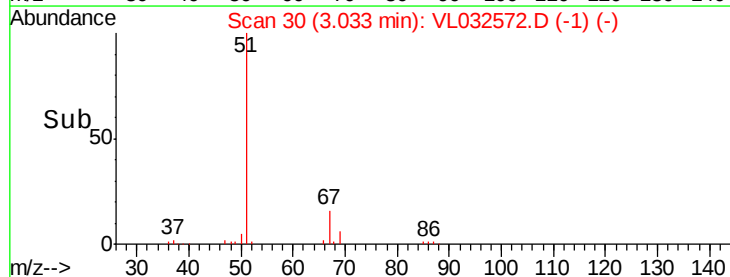
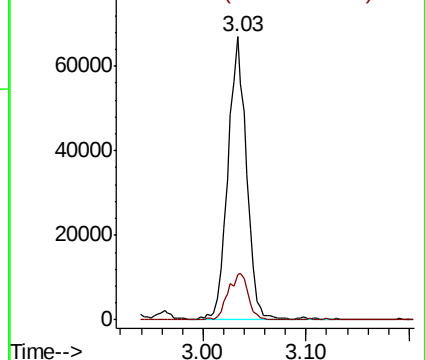
51 100

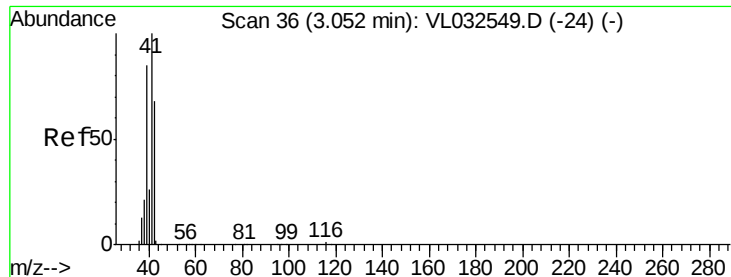
67 17.8 13.8 20.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.403 ppbv

RT: 3.07 min Scan# 41

Delta R.T. 0.00 min

Lab File: VL032572.D

Acq: 28 Sep 2018 6:01

Instrument :

MSVOA_L

ClientSampleId :

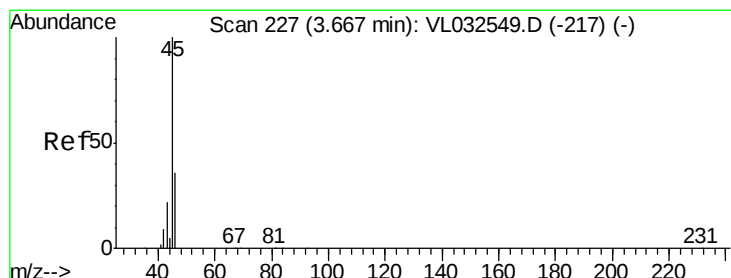
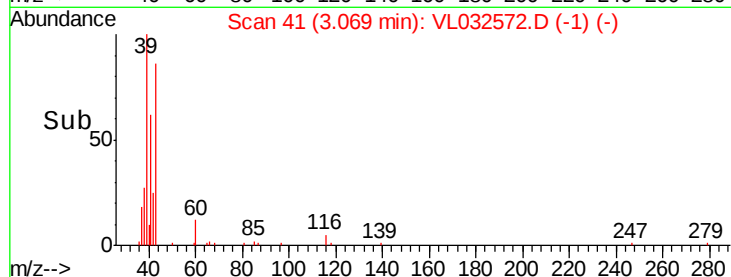
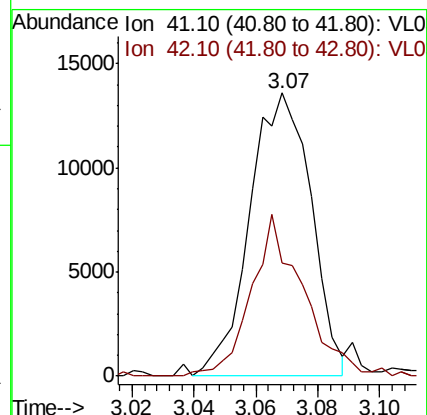
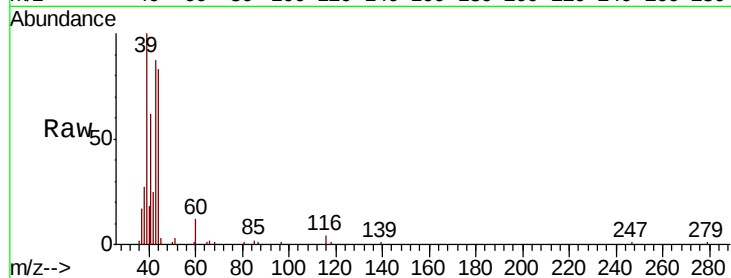
CIA-1DL

Tgt Ion: 41 Resp: 18793

Ion Ratio Lower Upper

41 100

42 48.3 56.6 84.8#



#13

Ethanol

Concen: 11.636 ppbv

RT: 3.68 min Scan# 230

Delta R.T. -0.01 min

Lab File: VL032572.D

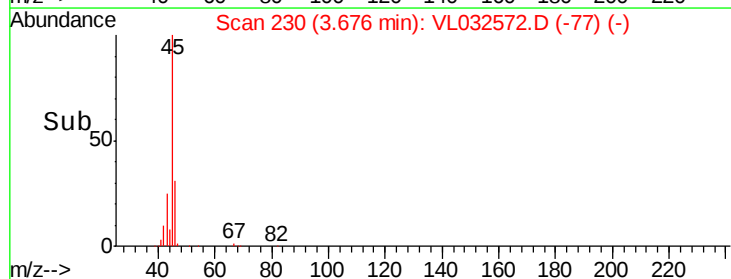
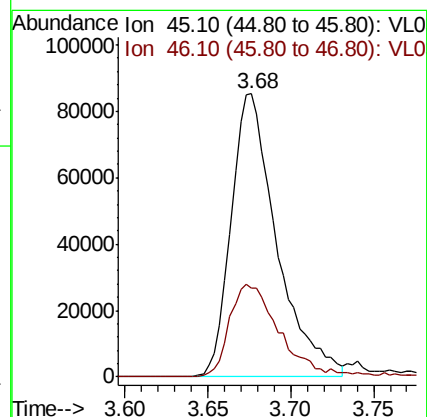
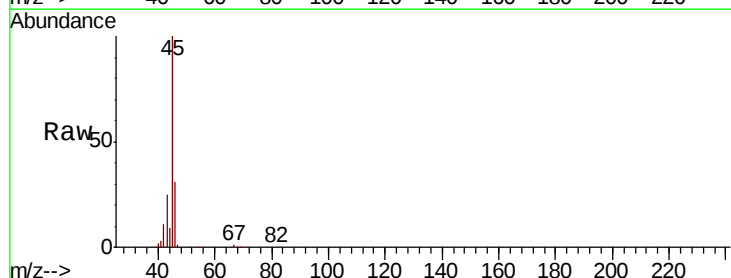
Acq: 28 Sep 2018 6:01

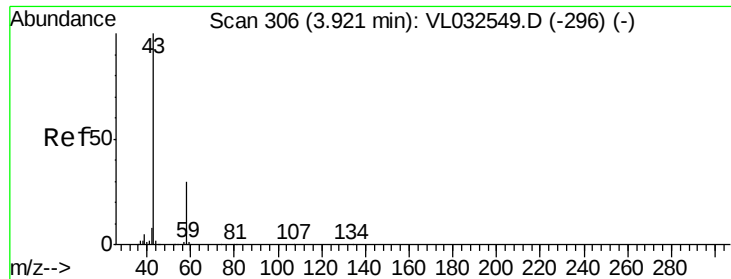
Tgt Ion: 45 Resp: 163228

Ion Ratio Lower Upper

45 100

46 36.7 14.2 56.8





#15

Acetone

Concen: 0.804 ppbv

RT: 3.93 min Scan# 310

Delta R.T. -0.01 min

Lab File: VL032572.D

Acq: 28 Sep 2018 6:01

Instrument :

MSVOA_L

ClientSampleId :

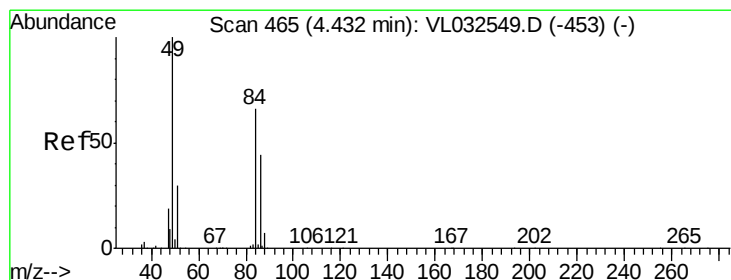
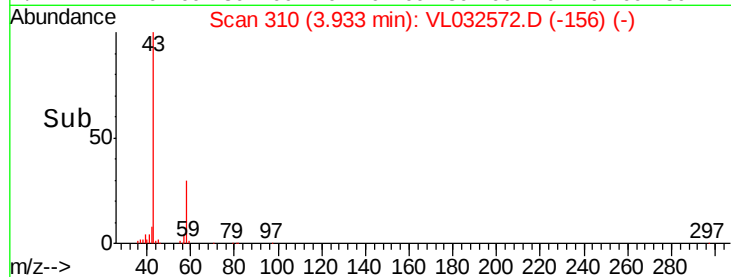
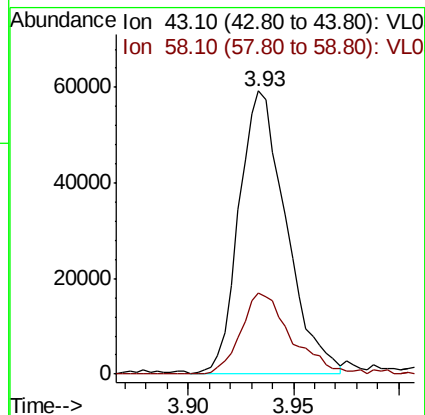
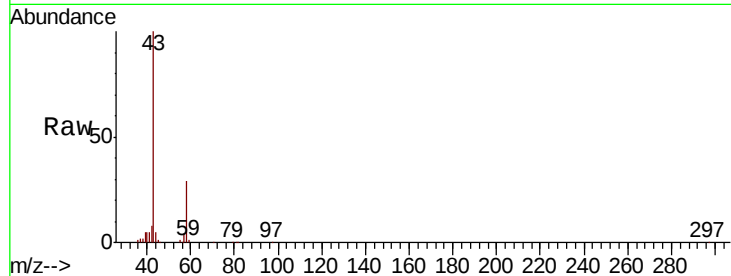
CIA-1DL

Tgt Ion: 43 Resp: 91297

Ion Ratio Lower Upper

43 100

58 31.0 22.6 33.8



#20

Methylene Chloride

Concen: 0.405 ppbv

RT: 4.44 min Scan# 467

Delta R.T. -0.01 min

Lab File: VL032572.D

Acq: 28 Sep 2018 6:01

Tgt Ion: 84 Resp: 22257

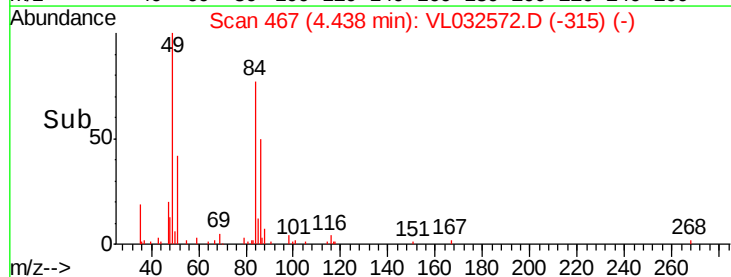
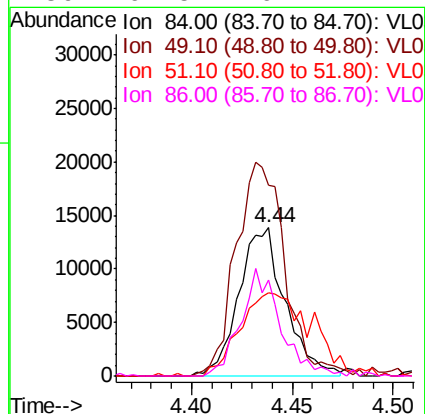
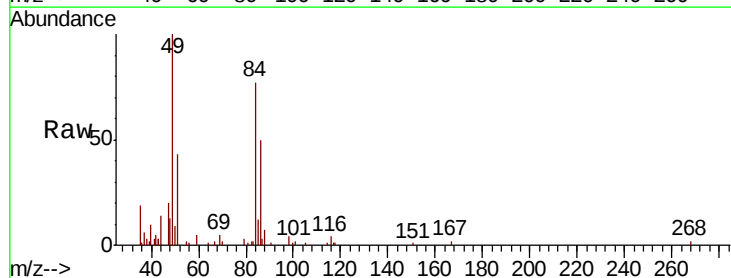
Ion Ratio Lower Upper

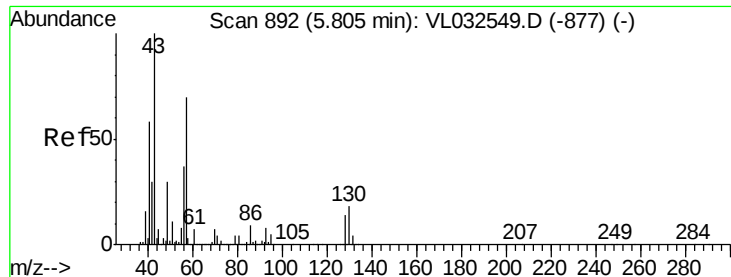
84 100

49 129.0 119.1 178.7

51 55.9 35.2 52.8#

86 64.5 49.4 74.2

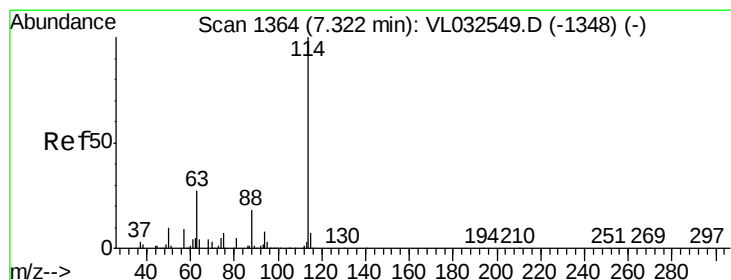
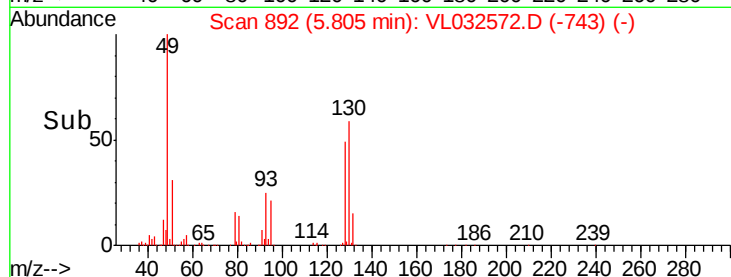
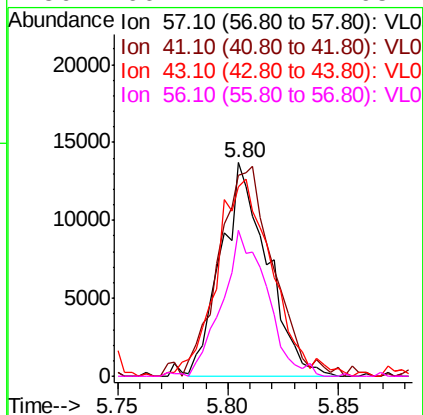
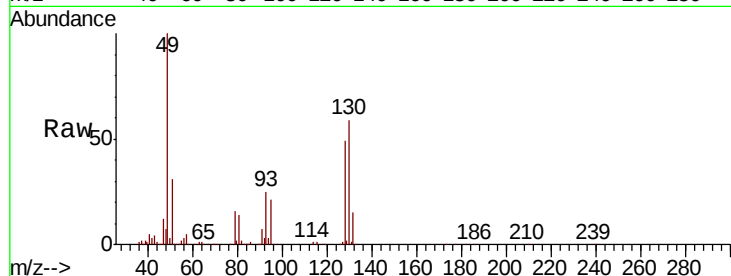




#26
Hexane
Concen: 0.160 ppbv
RT: 5.80 min Scan# 892
Delta R.T. -0.02 min
Lab File: VL032572.D
Acq: 28 Sep 2018 6:01

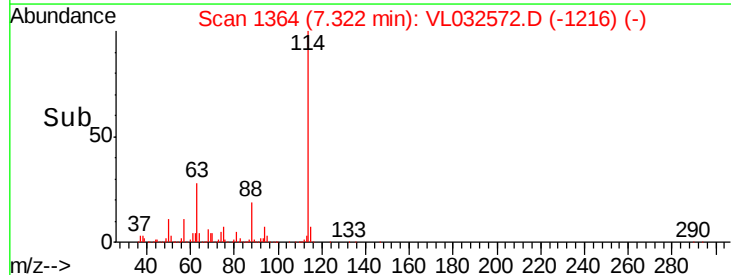
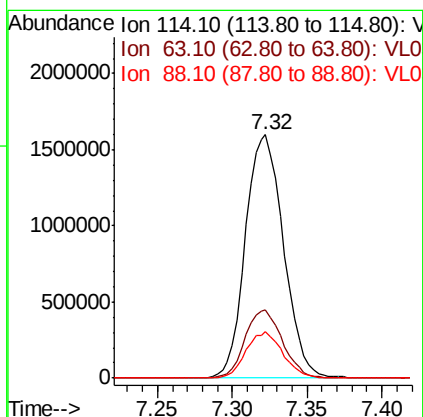
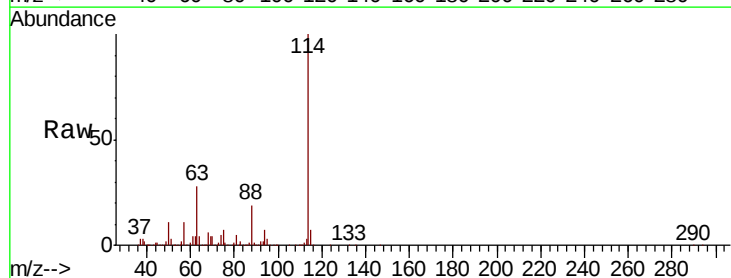
Instrument :
MSVOA_L
ClientSampleId :
CIA-1DL

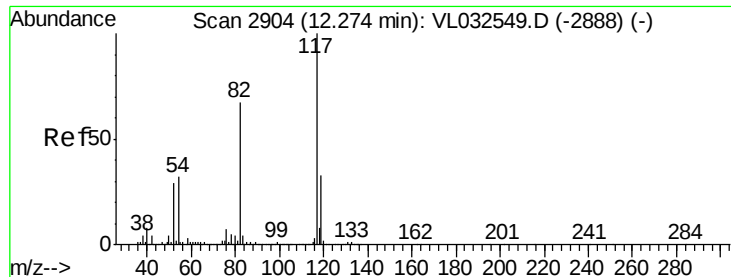
Tgt Ion: 57 Resp: 19962
Ion Ratio Lower Upper
57 100
41 118.5 69.0 103.4#
43 111.5 172.1 258.1#
56 66.7 42.2 63.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.32 min Scan# 1364
Delta R.T. -0.02 min
Lab File: VL032572.D
Acq: 28 Sep 2018 6:01

Tgt Ion: 114 Resp: 2833473
Ion Ratio Lower Upper
114 100
63 27.6 22.2 33.4
88 18.5 15.0 22.4

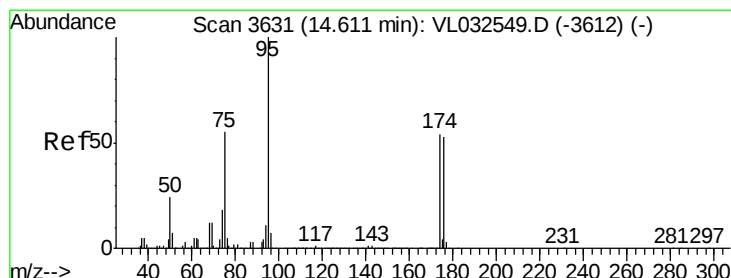
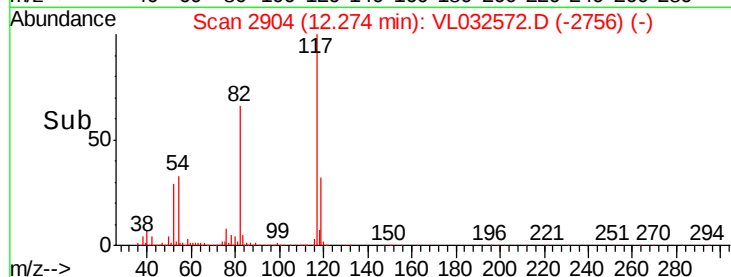
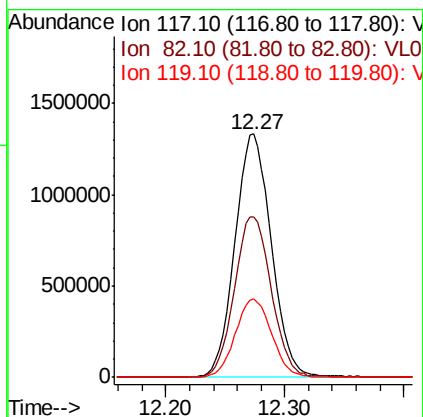
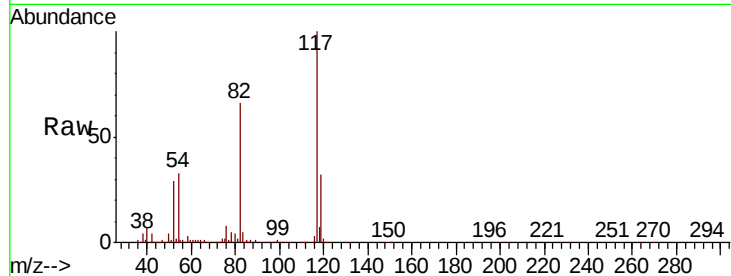




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.02 min
Lab File: VL032572.D
Acq: 28 Sep 2018 6:01

Instrument :
MSVOA_L
ClientSampleId :
CIA-1DL

Tgt Ion: 117 Resp: 2824469
Ion Ratio Lower Upper
117 100
82 67.6 53.0 79.6
119 32.4 45.9 68.9#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.862 ppbv
RT: 14.61 min Scan# 3631
Delta R.T. -0.02 min
Lab File: VL032572.D
Acq: 28 Sep 2018 6:01

Tgt Ion: 95 Resp: 2100611
Ion Ratio Lower Upper
95 100
174 59.3 46.3 69.5
175 4.2 3.4 5.0

