

Data Path : W:\HPCHEM1\MSVOA_L\DATA\VL060118\
 Data File : VL032031.D
 Acq On : 1 Jun 2018 21:33
 Operator : SY/AP
 Sample : J3137-01DL 40X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1DL

Quant Time: Jun 02 02:04:09 2018
 Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL053118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 01 02:31:35 2018
 QLast Update : Fri Jun 01 02:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.86	49	1119068	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.40	114	2215322	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.36	117	2302104	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.70	95	1798989	10.12	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.20%

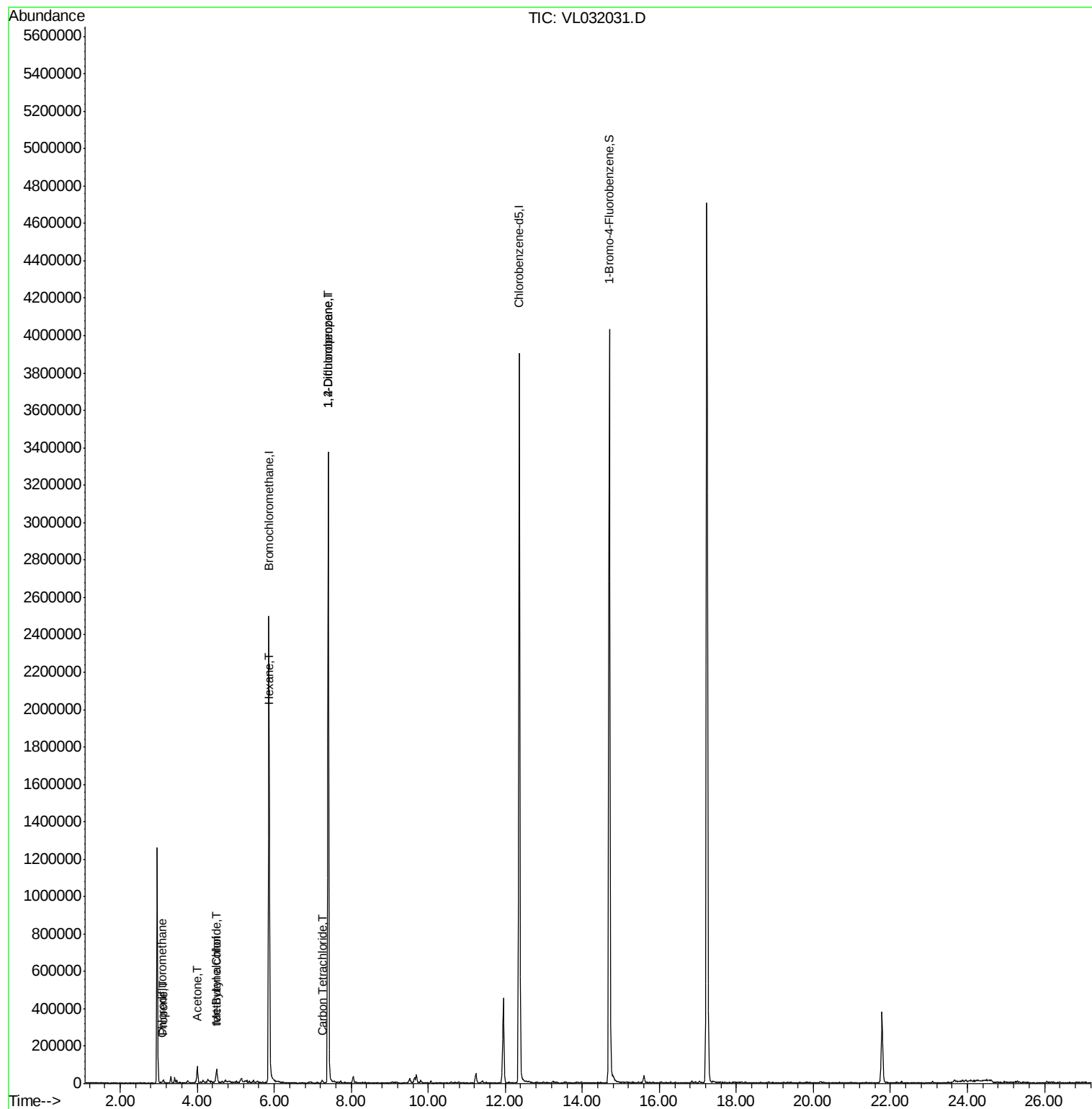
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.08	51	3537	0.03	ppbv #	73
9) Propene	3.10	41	1544	0.04	ppbv #	1
15) Acetone	4.00	43	89452	0.66	ppbv	95
17) tert-Butyl alcohol	4.49	59	14187	0.22	ppbv #	73
20) Methylene Chloride	4.50	84	7451	0.12	ppbv #	87
26) Hexane	5.88	57	3876	0.03	ppbv #	40
35) Carbon Tetrachloride	7.24	117	6173	0.03	ppbv #	80
39) 1,2-Dichloropropane	7.40	63	584609	8.15	ppbv #	21

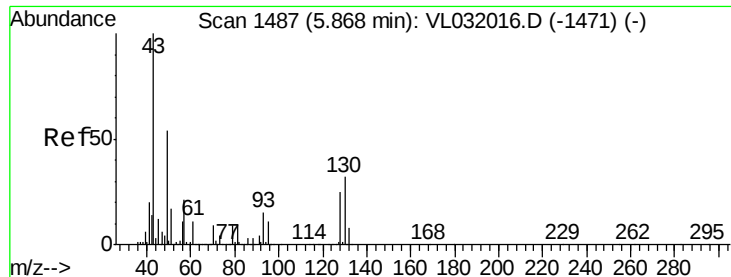
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.86 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VL032031.D

Acq: 1 Jun 2018 21:33

Instrument :

MSVOA_L

ClientSampled :

SS-1DL

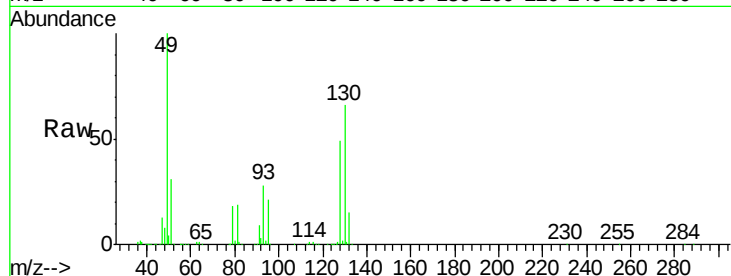
Tgt Ion: 49 Resp: 1119068

Ion Ratio Lower Upper

49 100

128 50.5 24.1 72.3

130 64.5 30.9 92.8



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

5.86

600000

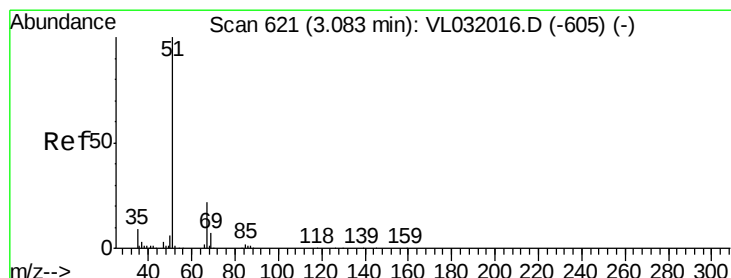
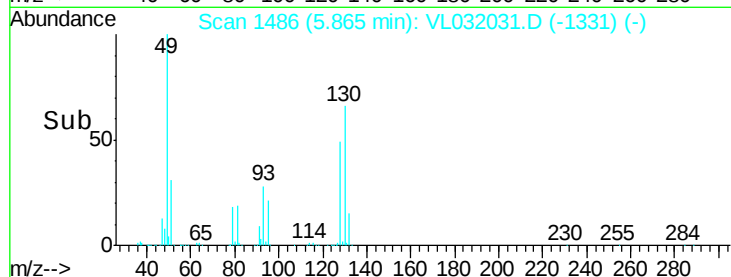
400000

200000

0

Time-->

5.80 5.85 5.90 5.95



#3

Chlorodifluoromethane

Concen: 0.03 ppbv

RT: 3.08 min Scan# 621

Delta R.T. 0.00 min

Lab File: VL032031.D

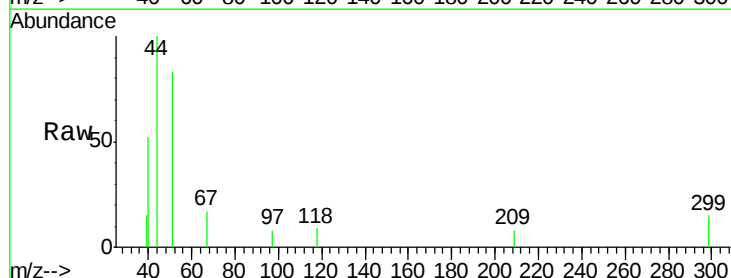
Acq: 1 Jun 2018 21:33

Tgt Ion: 51 Resp: 3537

Ion Ratio Lower Upper

51 100

67 8.8 17.2 25.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.08

2000

1500

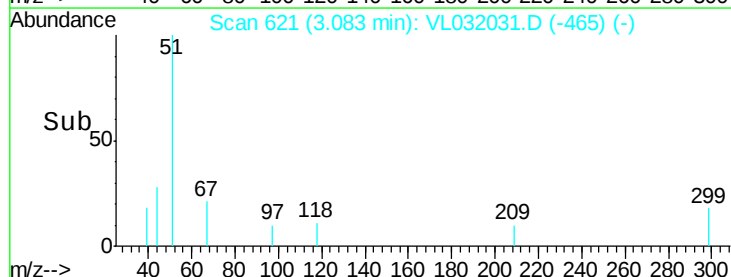
1000

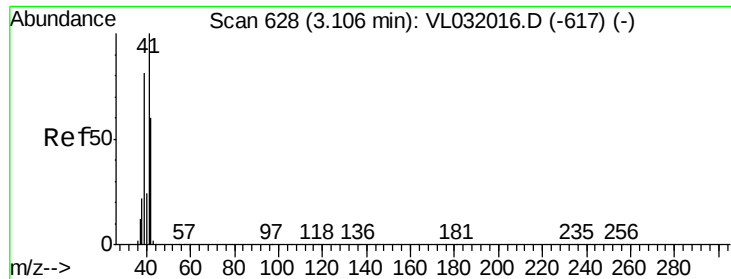
500

0

Time-->

3.00 3.05 3.10 3.15





#9

Propene

Concen: 0.04 ppbv

RT: 3.10 min Scan# 627

Delta R.T. -0.00 min

Lab File: VL032031.D

Acq: 1 Jun 2018 21:33

Instrument :

MSVOA_L

ClientSampled :

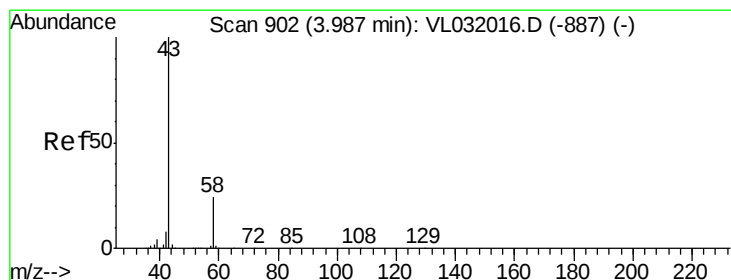
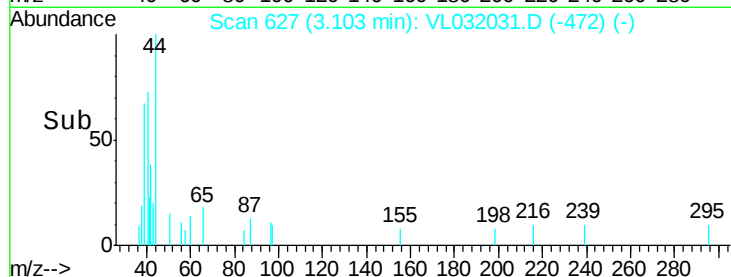
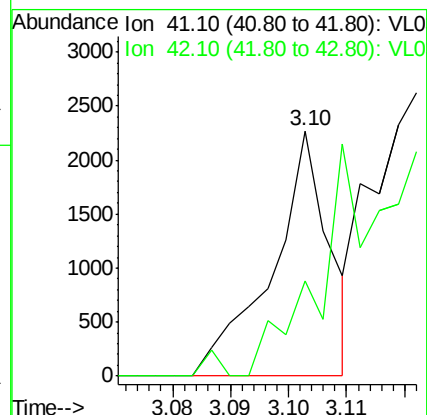
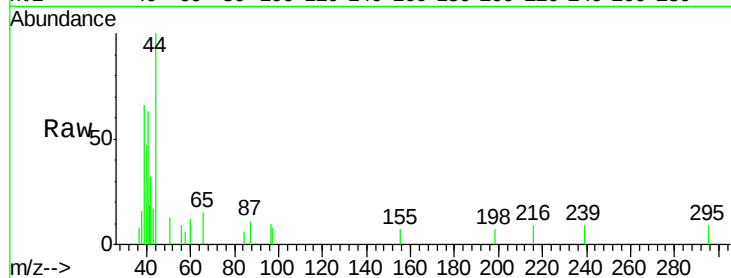
SS-1DL

Tgt Ion: 41 Resp: 1544

Ion Ratio Lower Upper

41 100

42 185.7 54.4 81.6#



#15

Acetone

Concen: 0.66 ppbv

RT: 4.00 min Scan# 905

Delta R.T. 0.01 min

Lab File: VL032031.D

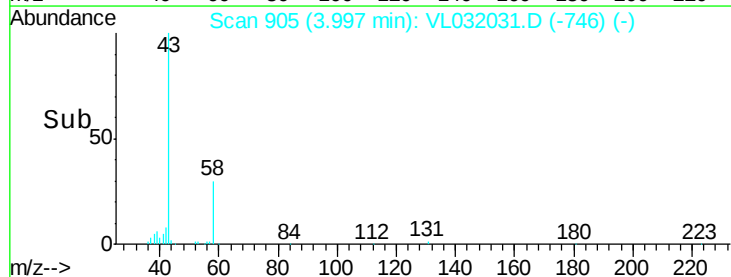
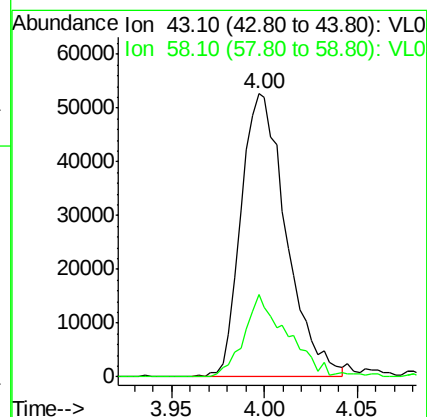
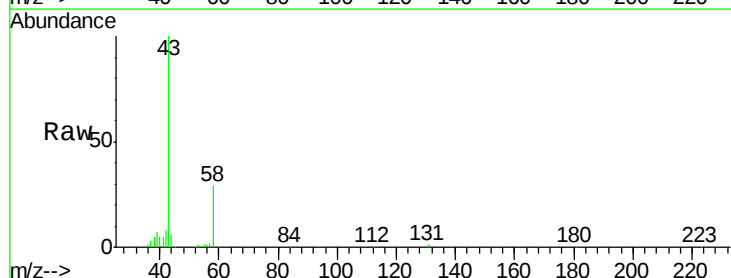
Acq: 1 Jun 2018 21:33

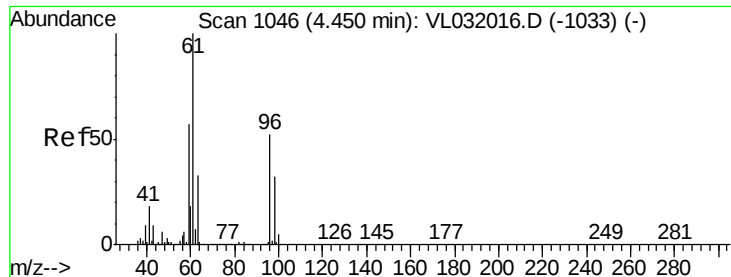
Tgt Ion: 43 Resp: 89452

Ion Ratio Lower Upper

43 100

58 28.5 20.7 31.1

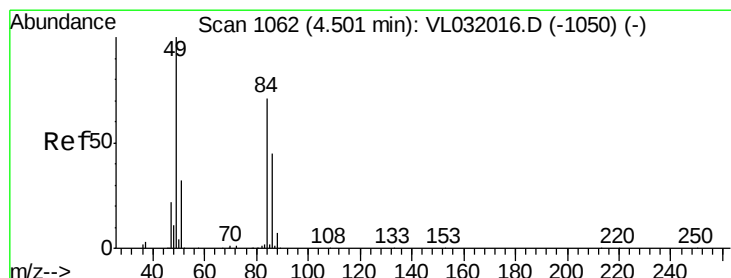
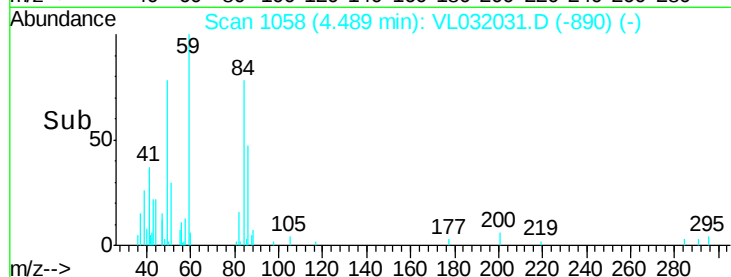
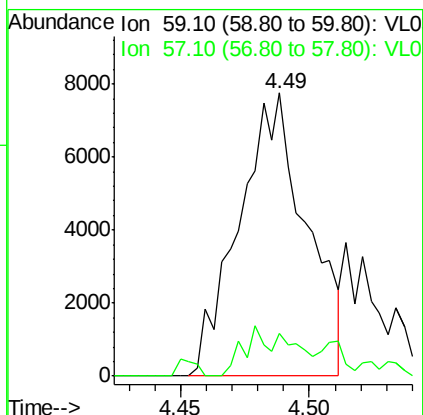
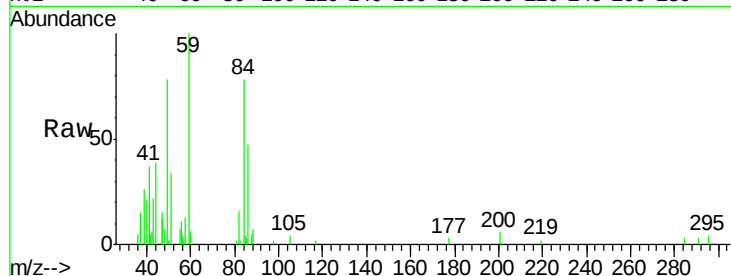




#17
 tert-Butyl alcohol
 Concen: 0.22 ppbv
 RT: 4.49 min Scan# 1058
 Delta R.T. 0.04 min
 Lab File: VL032031.D
 Acq: 1 Jun 2018 21:33

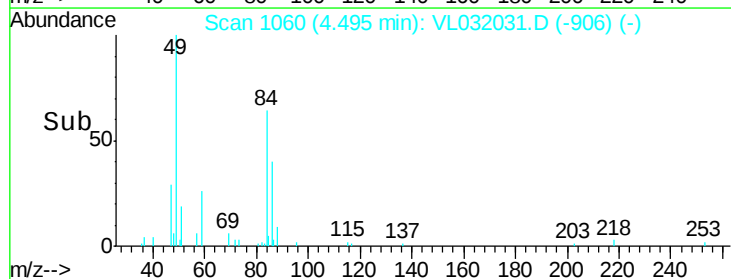
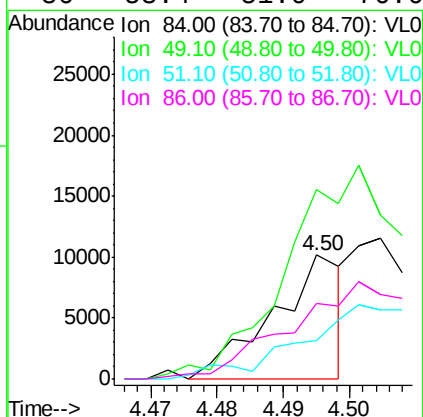
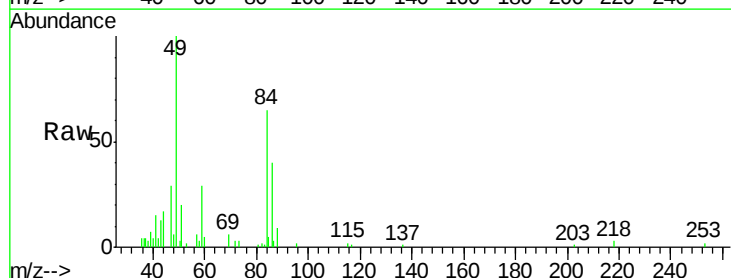
Instrument :
 MSVOA_L
 ClientSampleID :
 SS-1DL

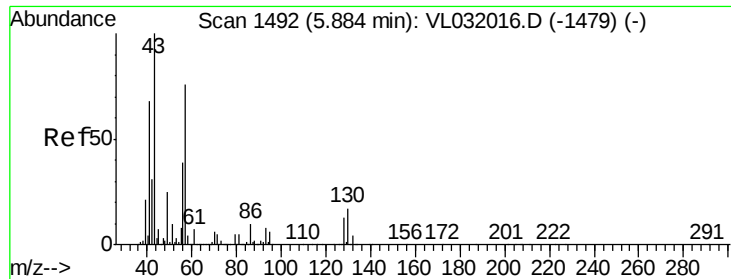
Tgt Ion: 59 Resp: 14187
 Ion Ratio Lower Upper
 59 100
 57 20.5 8.3 12.5#



#20
 Methylene Chloride
 Concen: 0.12 ppbv
 RT: 4.50 min Scan# 1060
 Delta R.T. -0.01 min
 Lab File: VL032031.D
 Acq: 1 Jun 2018 21:33

Tgt Ion: 84 Resp: 7451
 Ion Ratio Lower Upper
 84 100
 49 132.1 113.0 169.4
 51 25.6 36.4 54.6#
 86 53.4 51.0 76.6

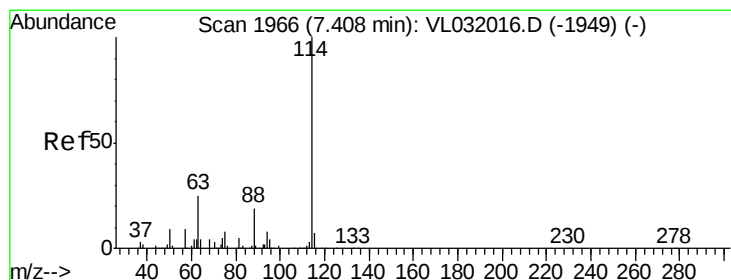
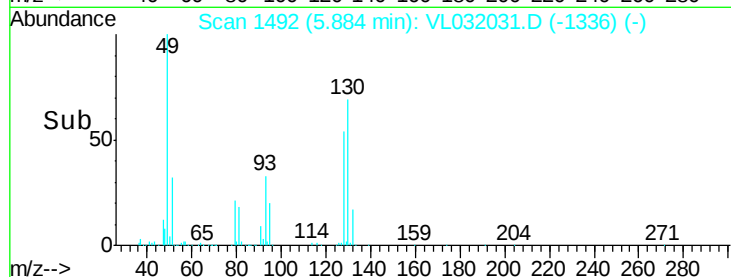
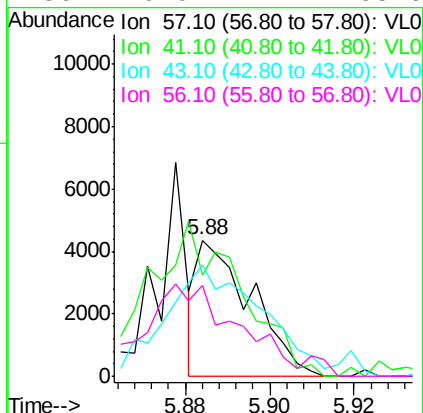
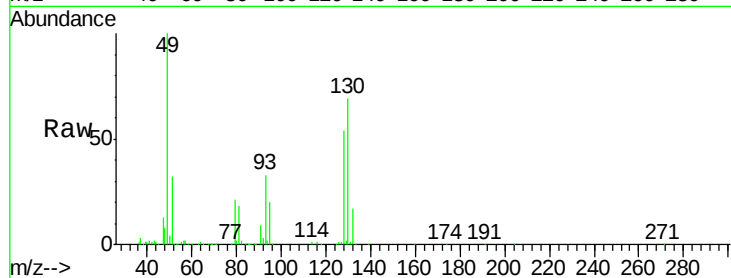




#26
Hexane
Concen: 0.03 ppbv
RT: 5.88 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VL032031.D
Acq: 1 Jun 2018 21:33

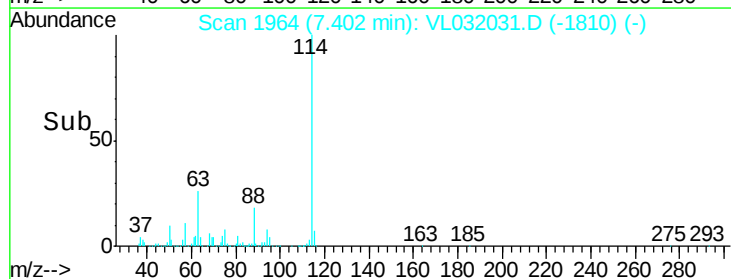
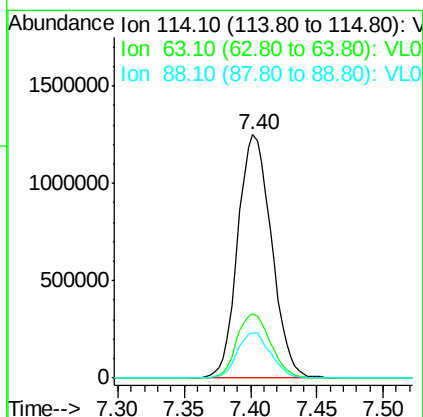
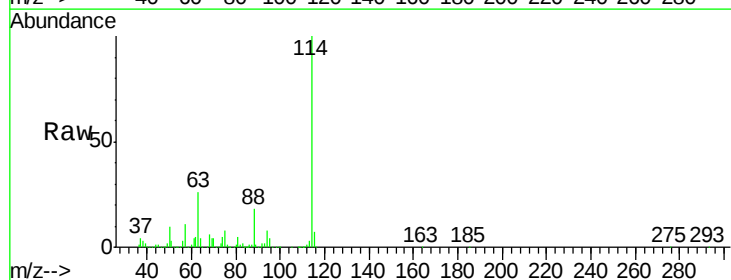
Instrument :
MSVOA_L
ClientSampleId :
SS-1DL

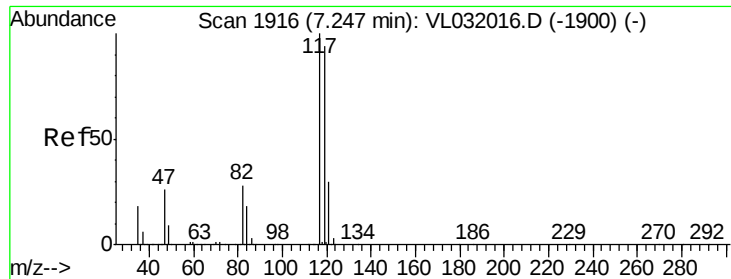
Tgt Ion: 57 Resp: 3876
Ion Ratio Lower Upper
57 100
41 191.4 71.4 107.2#
43 155.7 168.6 252.8#
56 0.0 42.4 63.6#



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.40 min Scan# 1964
Delta R.T. -0.01 min
Lab File: VL032031.D
Acq: 1 Jun 2018 21:33

Tgt Ion: 114 Resp: 2215322
Ion Ratio Lower Upper
114 100
63 26.6 21.1 31.7
88 18.5 14.8 22.2





#35

Carbon Tetrachloride

Concen: 0.03 ppbv

RT: 7.24 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VL032031.D

Acq: 1 Jun 2018 21:33

Instrument :

MSVOA_L

ClientSampleId :

SS-1DL

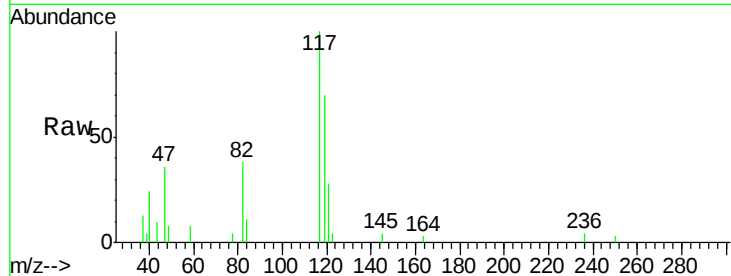
Tgt Ion: 117 Resp: 6173

Ion Ratio Lower Upper

117 100

119 69.6 75.3 112.9#

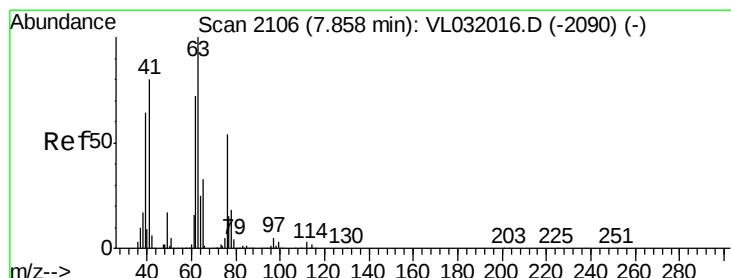
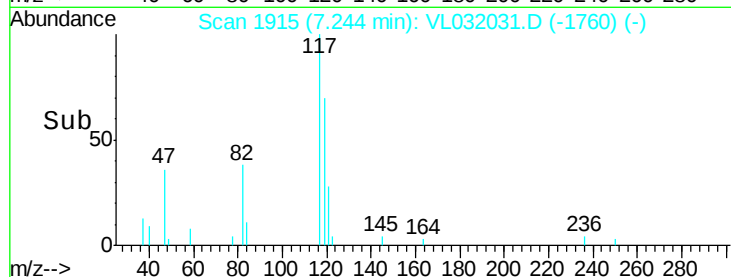
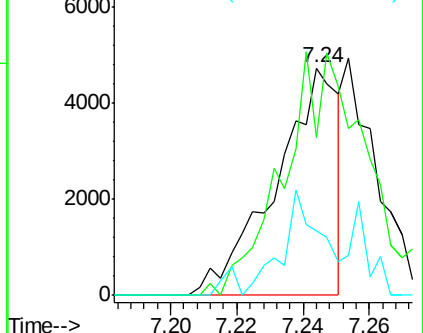
121 28.4 24.1 36.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#39

1,2-Dichloropropane

Concen: 8.15 ppbv

RT: 7.40 min Scan# 1964

Delta R.T. -0.46 min

Lab File: VL032031.D

Acq: 1 Jun 2018 21:33

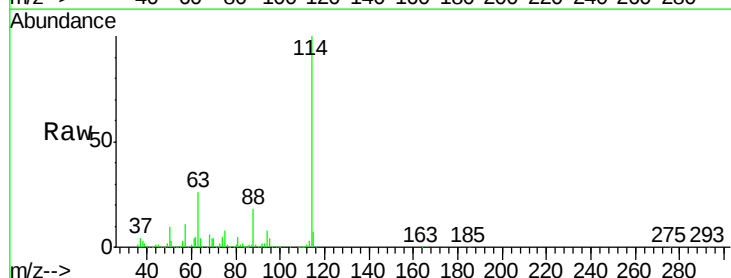
Tgt Ion: 63 Resp: 584609

Ion Ratio Lower Upper

63 100

41 0.0 64.0 96.0#

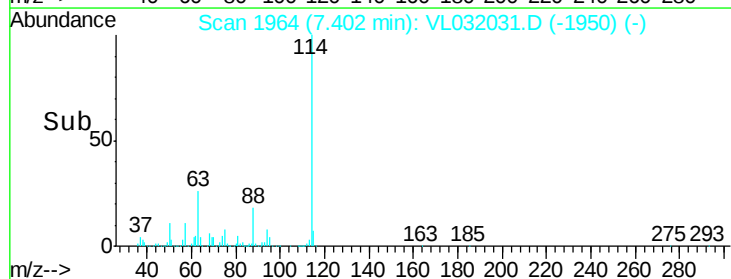
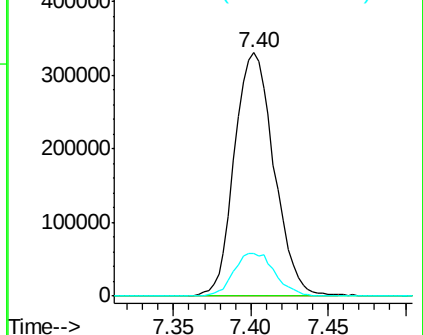
62 17.7 57.6 86.4#

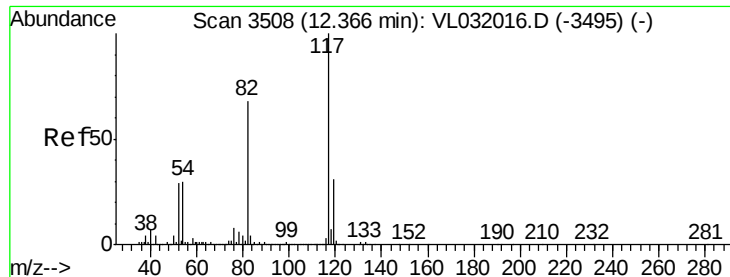


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0

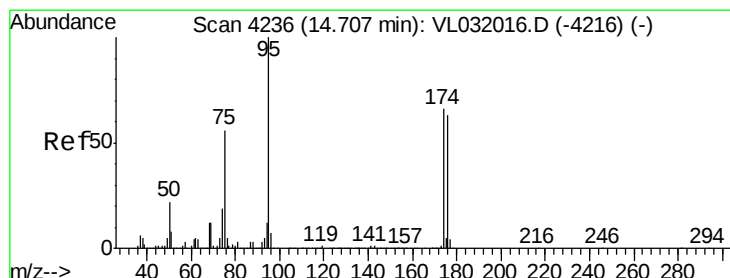
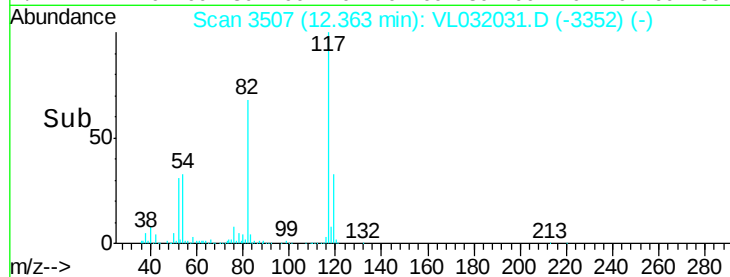
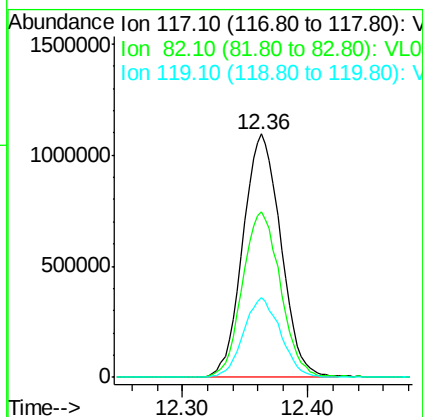
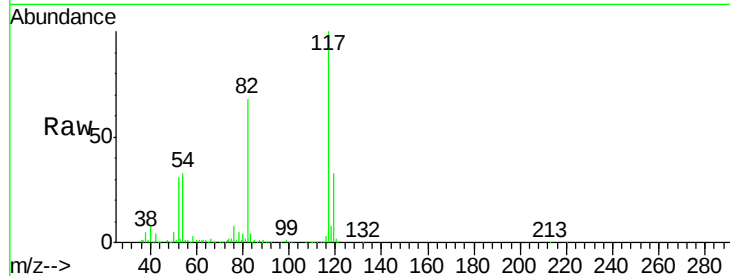




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.36 min Scan# 3507
Delta R.T. -0.00 min
Lab File: VL032031.D
Acq: 1 Jun 2018 21:33

Instrument :
MSVOA_L
ClientSampled :
SS-1DL

Tgt Ion: 117 Resp: 2302104
Ion Ratio Lower Upper
117 100
82 68.7 52.7 79.1
119 32.4 25.5 38.3



#68
1-Bromo-4-Fluorobenzene
Concen: 10.12 ppbv
RT: 14.70 min Scan# 4234
Delta R.T. -0.01 min
Lab File: VL032031.D
Acq: 1 Jun 2018 21:33

Tgt Ion: 95 Resp: 1798989
Ion Ratio Lower Upper
95 100
174 65.9 53.2 79.8
175 4.8 3.7 5.5

