

Data File : VL031981.D

Acq On : 4 May 2018 3:24

Operator : SY/AP

Sample : J2629-02DL 10X

Misc : 400ml/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SG1DL

Quant Time: May 04 04:26:24 2018

Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 03 15:52:13 2018

QLast Update : Thu May 03 15:52:13 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.88	49	1275844	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.42	114	2590857	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.39	117	2494454	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.72	95	2011033	10.40	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.16	85	5272	0.03	ppbv	95
3) Chlorodifluoromethane	3.07	51	13245	0.11	ppbv #	74
9) Propene	3.12	41	12766	0.29	ppbv	96
13) Ethanol	3.75	45	10044	0.61	ppbv #	100
15) Acetone	4.00	43	74313	0.41	ppbv #	85
17) tert-Butyl alcohol	4.49	59	3883	0.05	ppbv #	53
20) Methylene Chloride	4.51	84	11758	0.19	ppbv #	90
26) Hexane	5.90	57	7409	0.05	ppbv #	61
34) 2-Butanone	5.45	43	58879	0.28	ppbv	98
39) 1,2-Dichloropropane	7.42	63	673773	7.93	ppbv #	24

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

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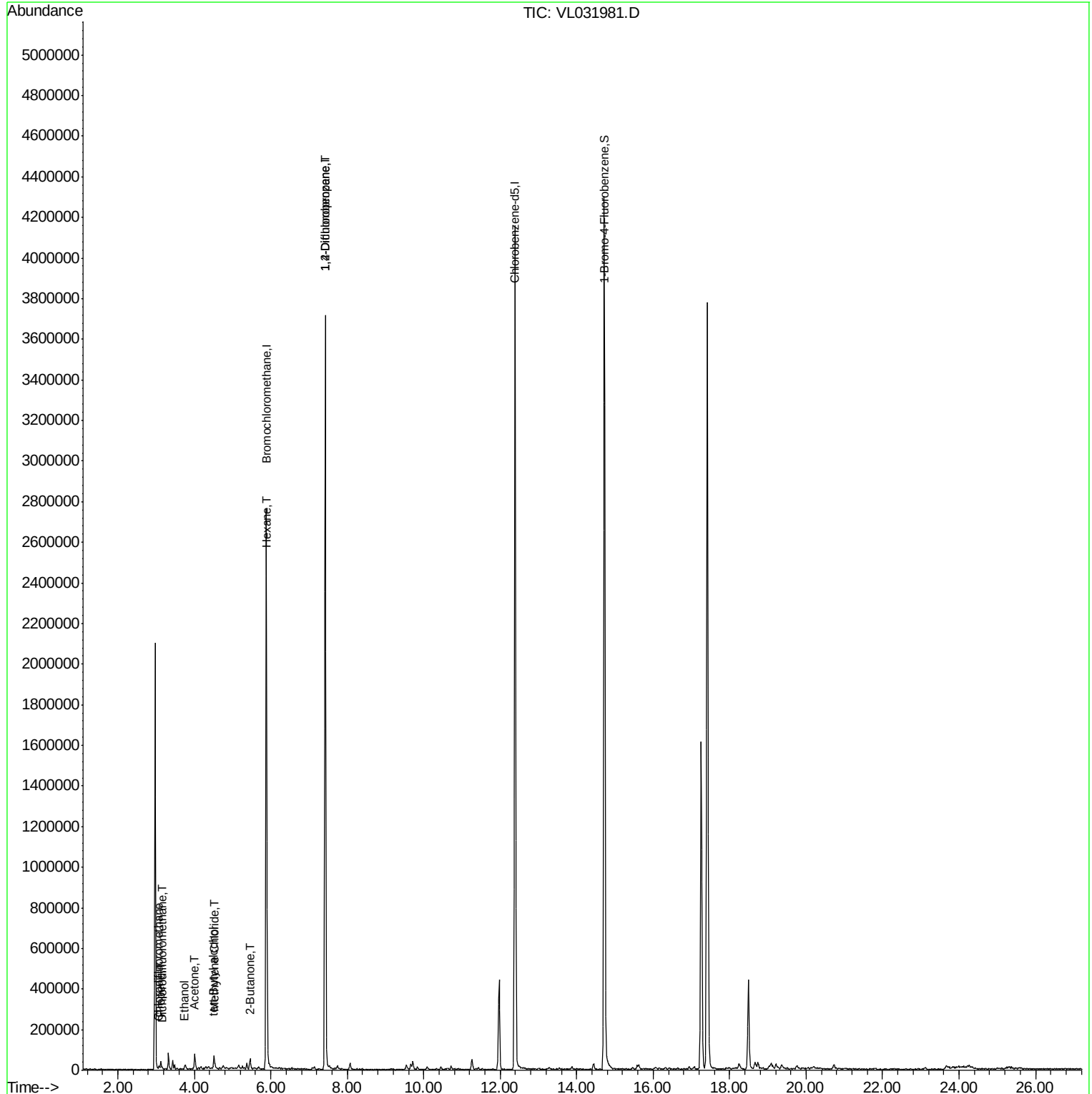
Quant Time: May 04 04:26:24 2018

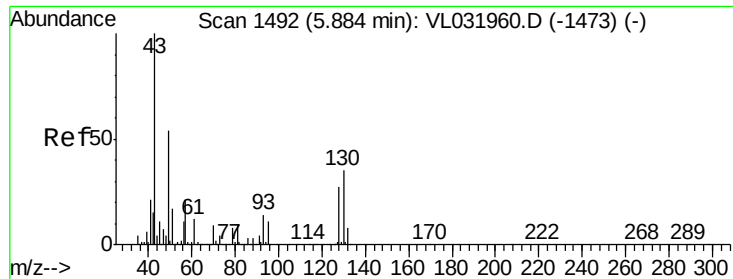
Quant Method : W:\HPCHEM1\MSVOA_L\METHODS\VL050318AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 03 15:52:13 2018

QLast Update : Thu May 03 15:52:13 2018

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.88 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VL031981.D

Acq: 4 May 2018 3:24

Instrument :

MSVOA_L

ClientSampleId :

SG1DL

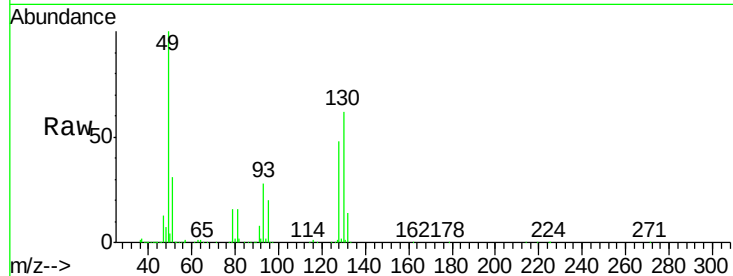
Tgt Ion: 49 Resp: 1275844

Ion Ratio Lower Upper

49 100

128 49.5 24.1 72.3

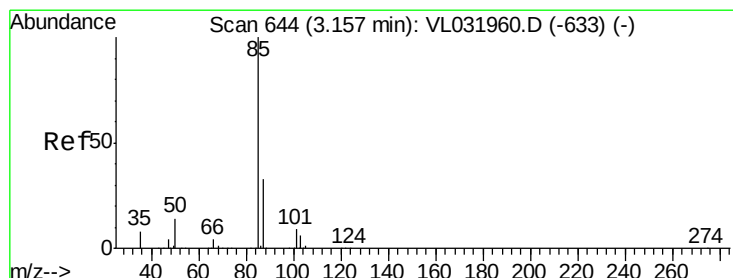
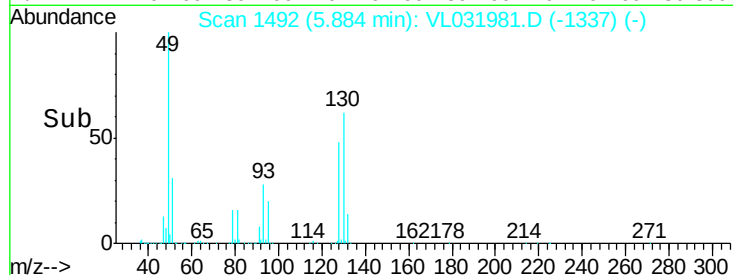
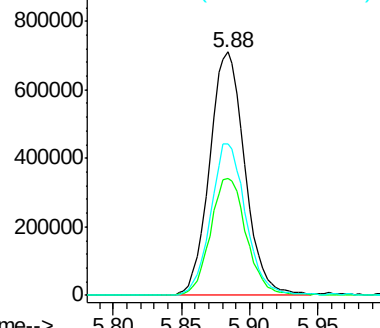
130 63.0 30.7 92.1



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



#2

Dichlorodifluoromethane

Concen: 0.03 ppbv

RT: 3.16 min Scan# 644

Delta R.T. -0.00 min

Lab File: VL031981.D

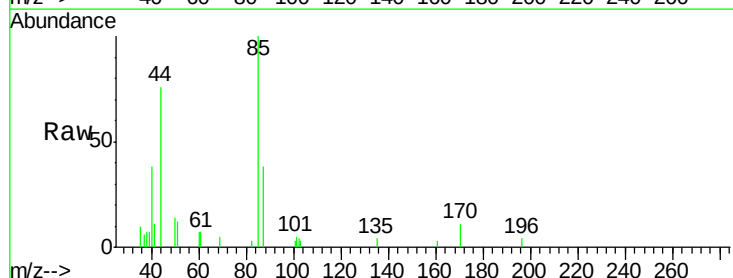
Acq: 4 May 2018 3:24

Tgt Ion: 85 Resp: 5272

Ion Ratio Lower Upper

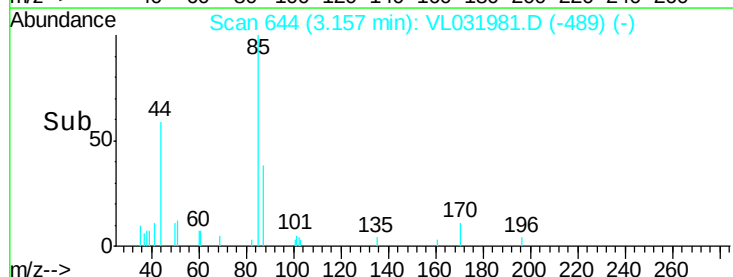
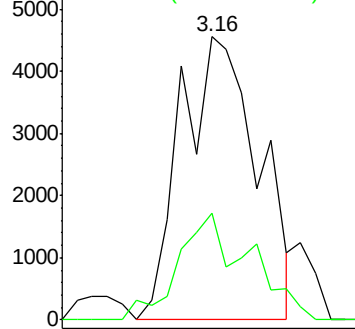
85 100

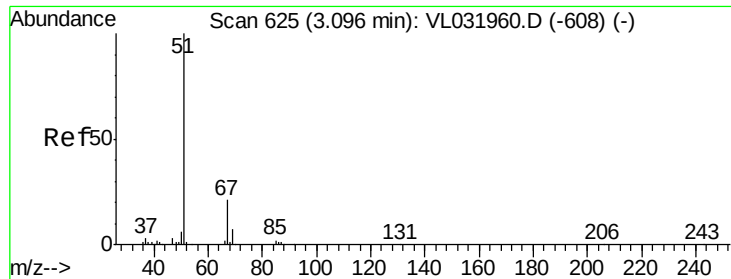
87 30.8 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.11 ppbv

RT: 3.07 min Scan# 616

Delta R.T. -0.03 min

Lab File: VL031981.D

Acq: 4 May 2018 3:24

Instrument :

MSVOA_L

ClientSampleId :

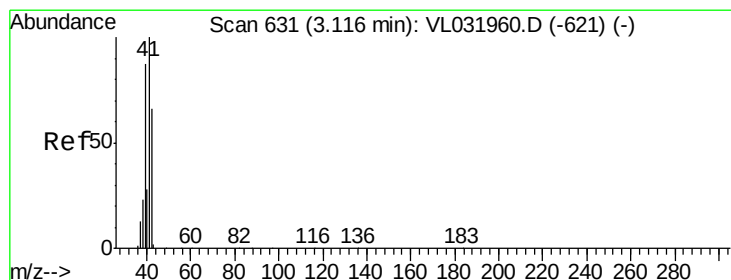
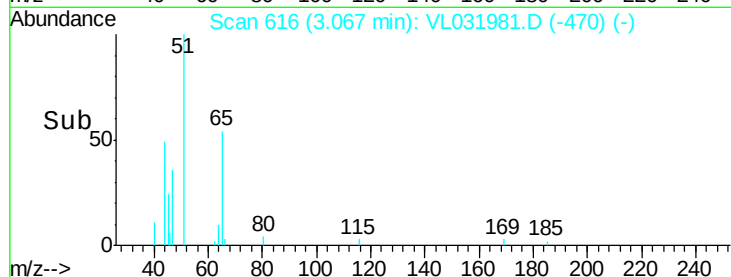
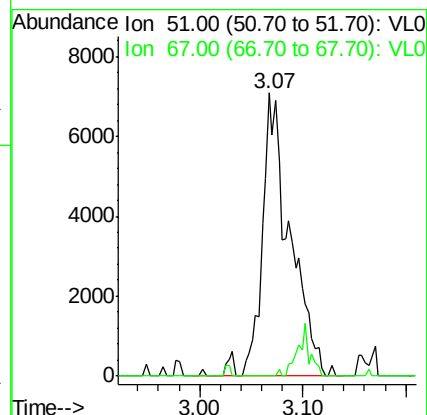
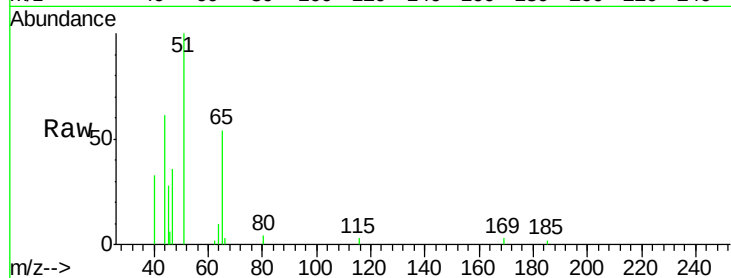
SG1DL

Tgt Ion: 51 Resp: 13245

Ion Ratio Lower Upper

51 100

67 8.1 15.9 23.9#



#9

Propene

Concen: 0.29 ppbv

RT: 3.12 min Scan# 633

Delta R.T. 0.01 min

Lab File: VL031981.D

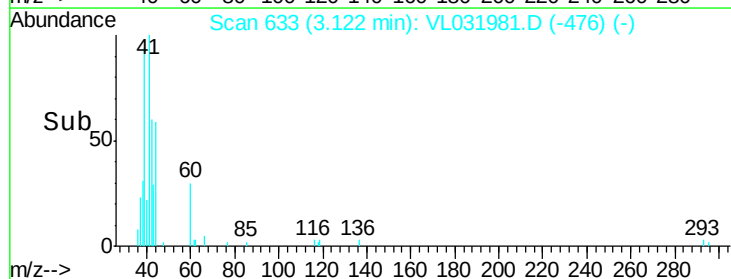
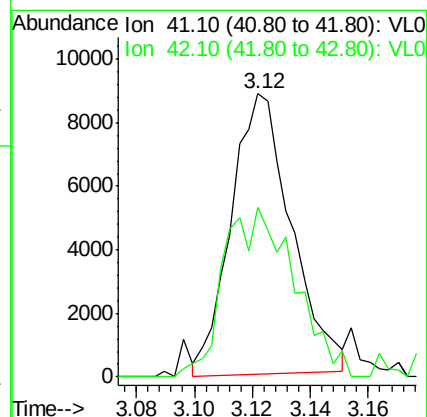
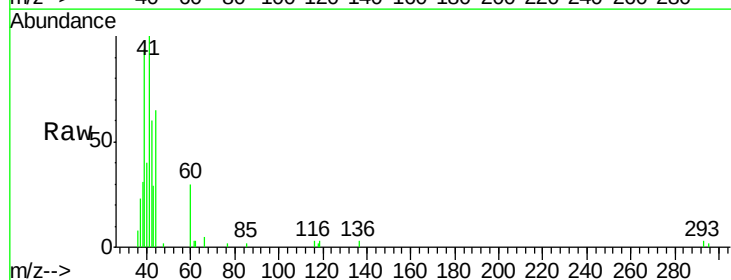
Acq: 4 May 2018 3:24

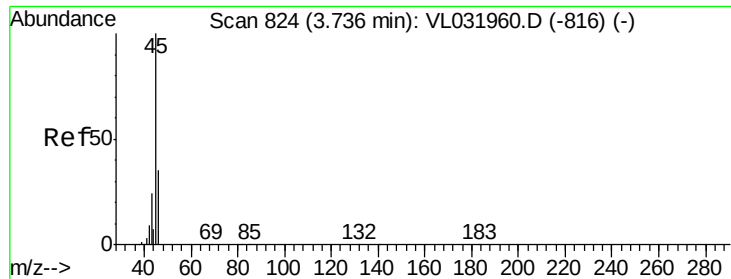
Tgt Ion: 41 Resp: 12766

Ion Ratio Lower Upper

41 100

42 70.9 53.9 80.9

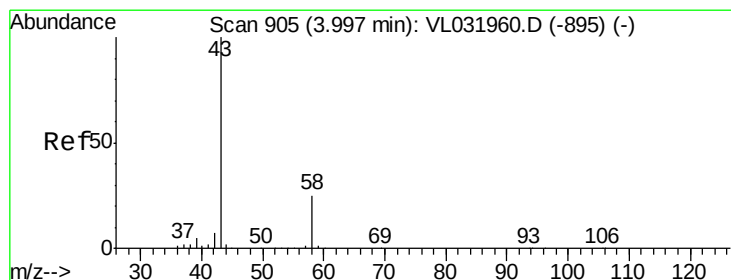
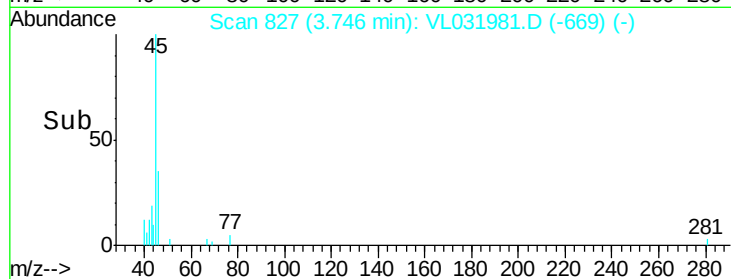
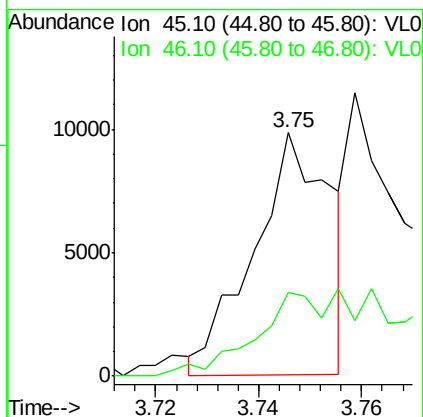
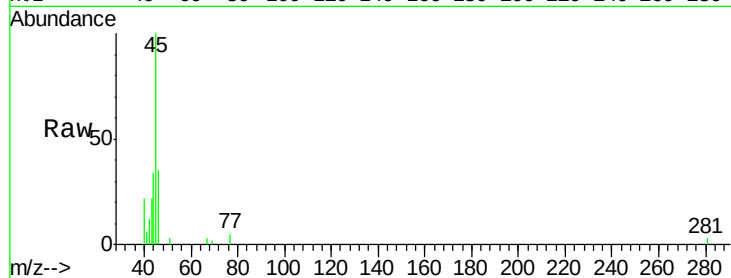




#13
Ethanol
Concen: 0.61 ppbv
RT: 3.75 min Scan# 827
Delta R.T. 0.01 min
Lab File: VL031981.D
Acq: 4 May 2018 3:24

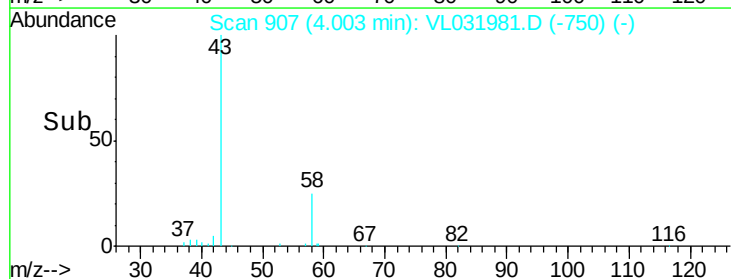
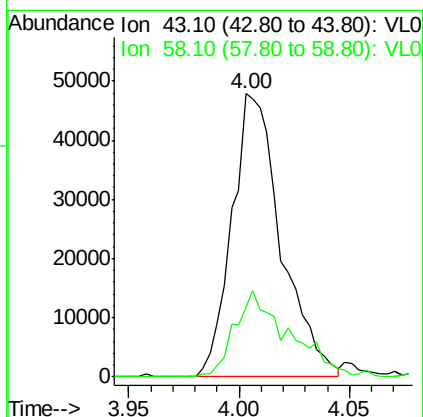
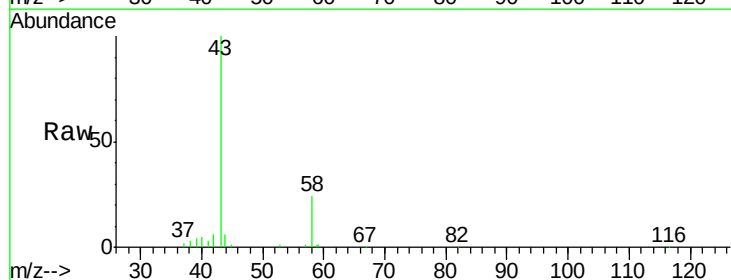
Instrument :
MSVOA_L
ClientSampled :
SG1DL

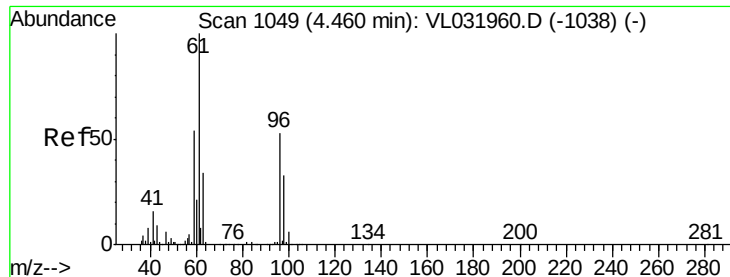
Tgt Ion: 45 Resp: 10044
Ion Ratio Lower Upper
45 100
46 0.0 0.0 0.0



#15
Acetone
Concen: 0.41 ppbv
RT: 4.00 min Scan# 907
Delta R.T. 0.01 min
Lab File: VL031981.D
Acq: 4 May 2018 3:24

Tgt Ion: 43 Resp: 74313
Ion Ratio Lower Upper
43 100
58 34.1 21.1 31.7#

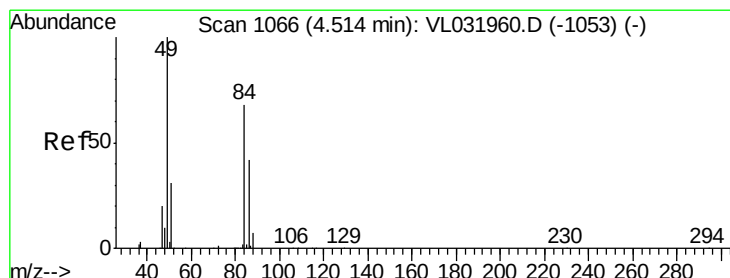
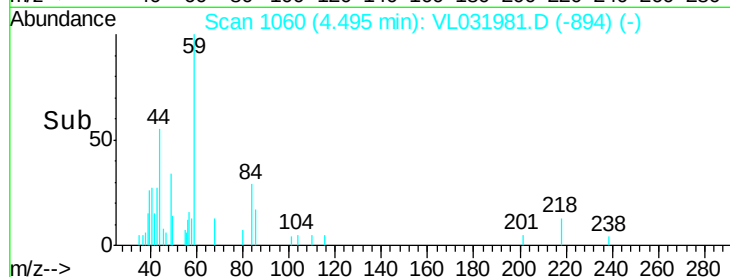
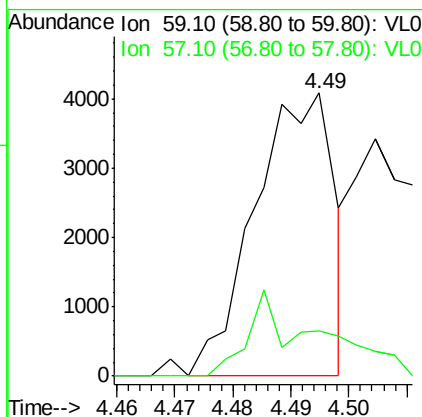
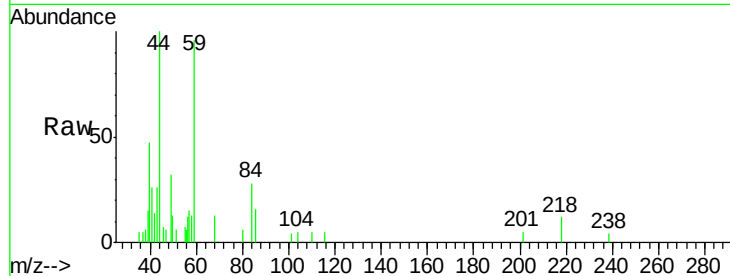




#17
 tert-Butyl alcohol
 Concen: 0.05 ppbv
 RT: 4.49 min Scan# 1060
 Delta R.T. 0.04 min
 Lab File: VL031981.D
 Acq: 4 May 2018 3:24

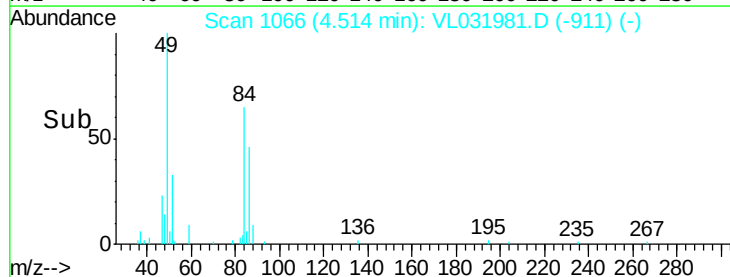
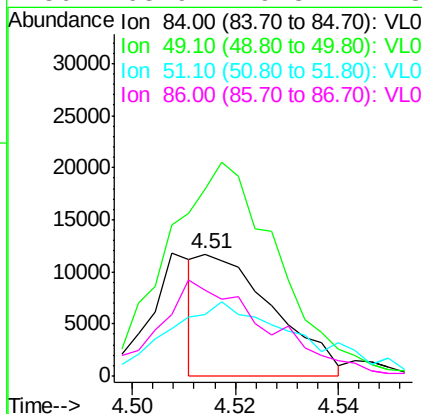
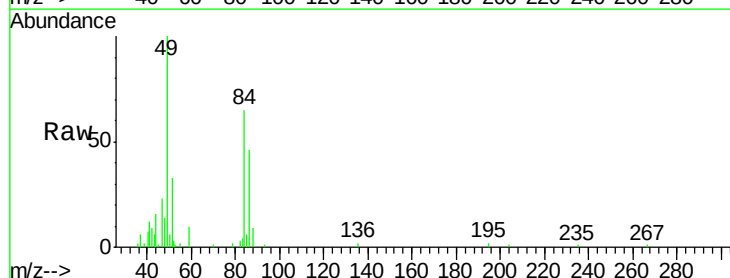
Instrument :
 MSVOA_L
 ClientSampleId :
 SG1DL

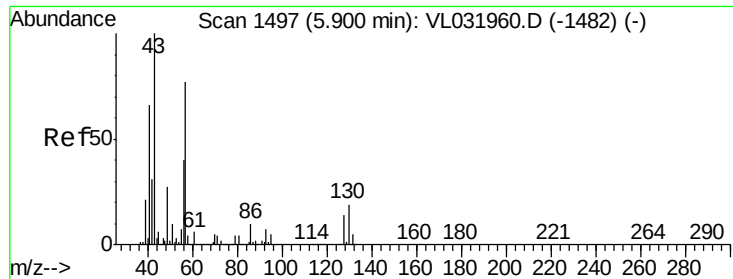
Tgt Ion: 59 Resp: 3883
 Ion Ratio Lower Upper
 59 100
 57 28.1 8.3 12.5#



#20
 Methylene Chloride
 Concen: 0.19 ppbv
 RT: 4.51 min Scan# 1066
 Delta R.T. -0.00 min
 Lab File: VL031981.D
 Acq: 4 May 2018 3:24

Tgt Ion: 84 Resp: 11758
 Ion Ratio Lower Upper
 84 100
 49 140.0 118.6 178.0
 51 25.4 36.6 54.8#
 86 63.9 49.8 74.8





#26

Hexane

Concen: 0.05 ppbv

RT: 5.90 min Scan# 1497

Delta R.T. -0.00 min

Lab File: VL031981.D

Acq: 4 May 2018 3:24

Instrument :

MSVOA_L

ClientSampleID :

SG1DL

Tgt Ion: 57 Resp: 7409

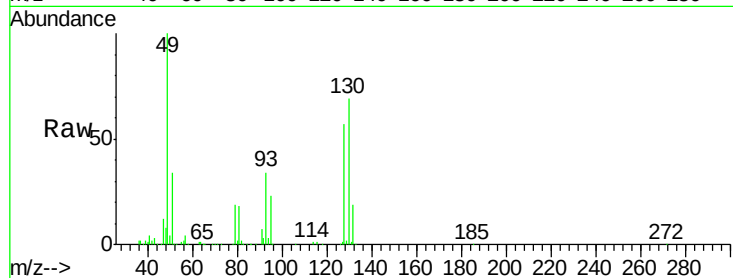
Ion Ratio Lower Upper

57 100

41 0.0 71.8 107.6#

43 204.0 171.5 257.3

56 0.0 41.4 62.2#

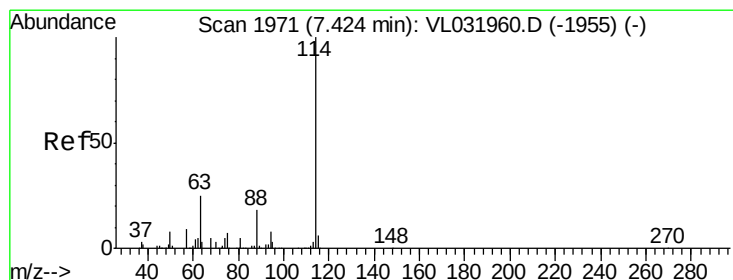
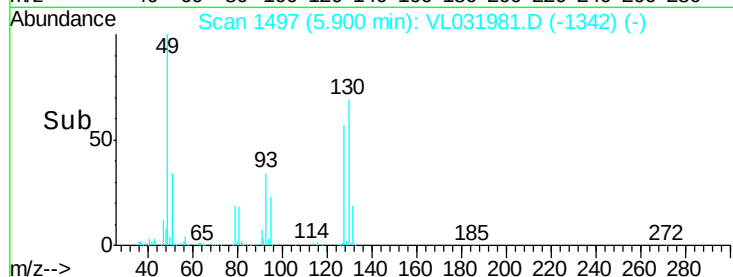
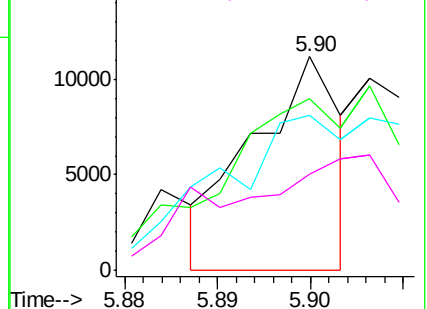


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 10.00 ppbv

RT: 7.42 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VL031981.D

Acq: 4 May 2018 3:24

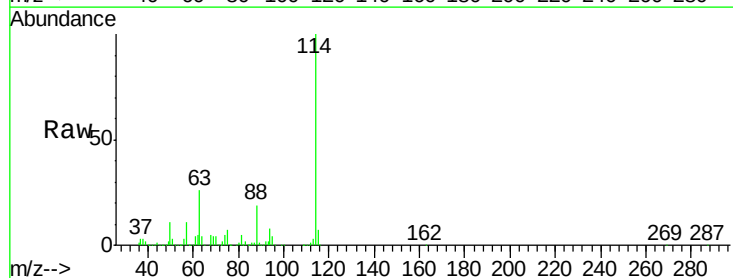
Tgt Ion: 114 Resp: 2590857

Ion Ratio Lower Upper

114 100

63 26.1 20.8 31.2

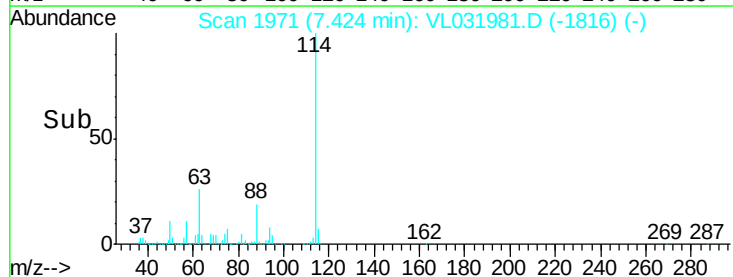
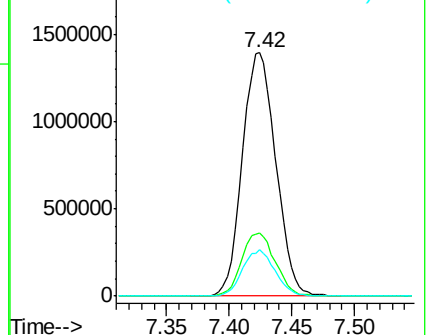
88 18.4 14.6 21.8

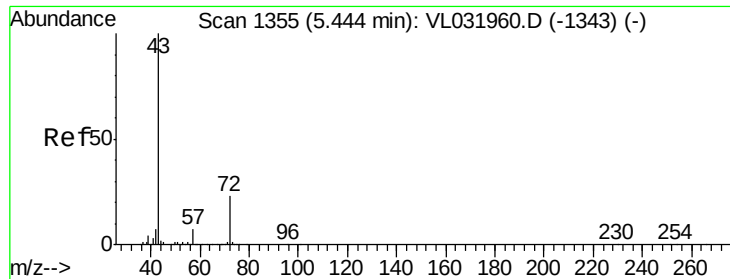


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#34

2-Butanone

Concen: 0.28 ppbv

RT: 5.45 min Scan# 1358

Delta R.T. 0.01 min

Lab File: VL031981.D

Acq: 4 May 2018 3:24

Instrument :

MSVOA_L

ClientSampleId :

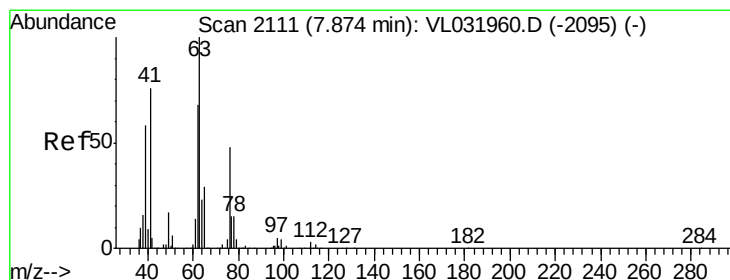
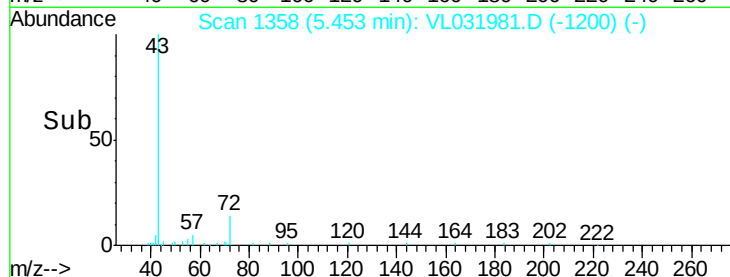
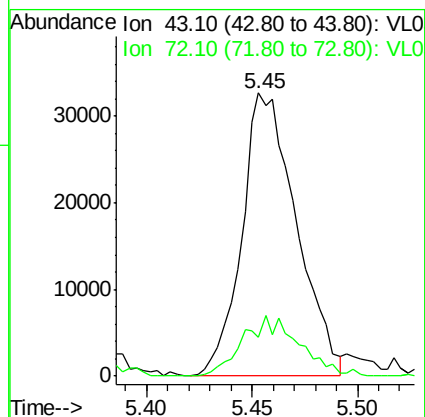
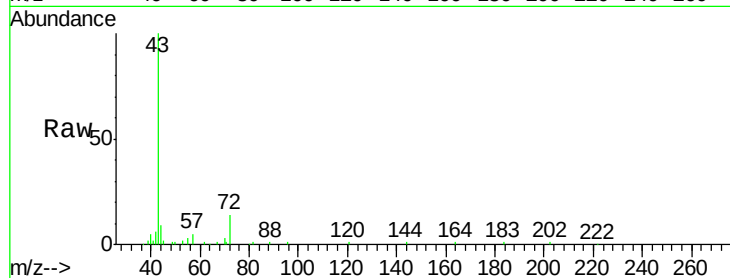
SG1DL

Tgt Ion: 43 Resp: 58879

Ion Ratio Lower Upper

43 100

72 21.8 18.3 27.5



#39

1,2-Dichloropropane

Concen: 7.93 ppbv

RT: 7.42 min Scan# 1971

Delta R.T. -0.45 min

Lab File: VL031981.D

Acq: 4 May 2018 3:24

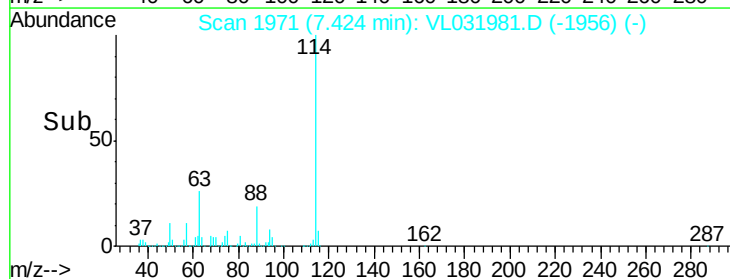
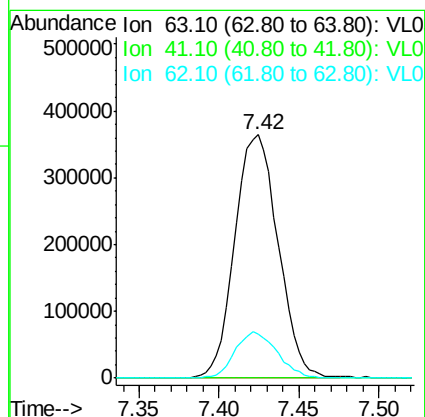
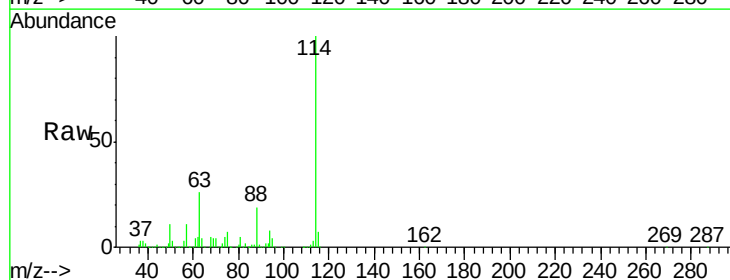
Tgt Ion: 63 Resp: 673773

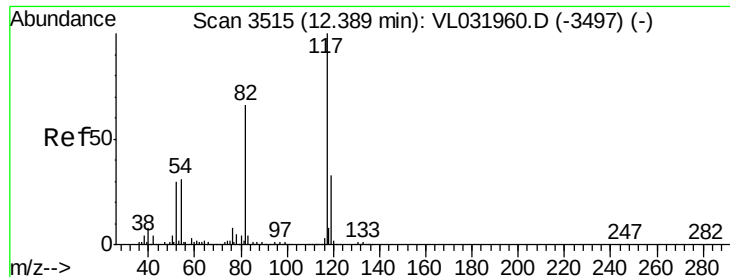
Ion Ratio Lower Upper

63 100

41 0.3 60.7 91.1#

62 17.9 54.7 82.1#

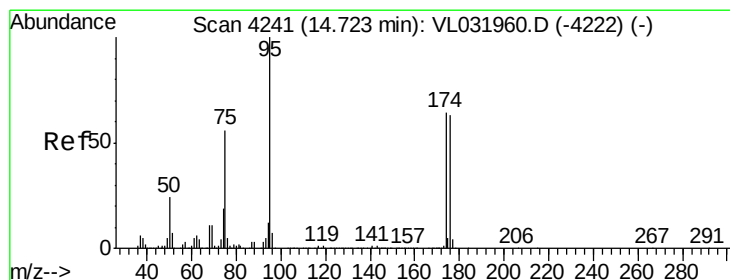
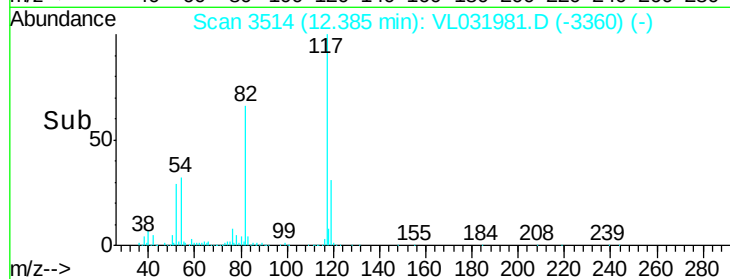
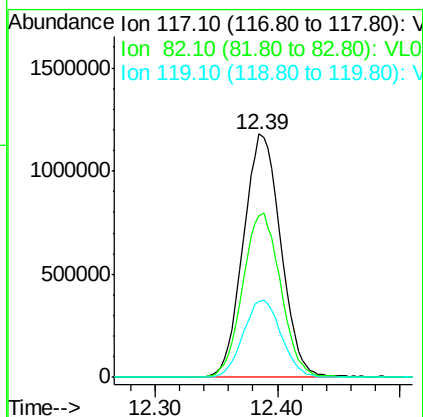
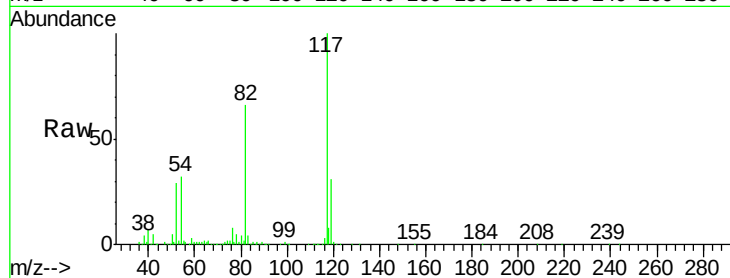




#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.39 min Scan# 3514
Delta R.T. -0.00 min
Lab File: VL031981.D
Acq: 4 May 2018 3:24

Instrument :
MSVOA_L
ClientSampleId :
SG1DL

Tgt Ion: 117 Resp: 2494454
Ion Ratio Lower Upper
117 100
82 68.5 51.6 77.4
119 32.5 44.2 66.4#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.40 ppbv
RT: 14.72 min Scan# 4241
Delta R.T. -0.00 min
Lab File: VL031981.D
Acq: 4 May 2018 3:24

Tgt Ion: 95 Resp: 2011033
Ion Ratio Lower Upper
95 100
174 65.3 53.0 79.6
175 4.8 3.9 5.9

