

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL070218\
 Data File : VL032196.D
 Acq On : 3 Jul 2018 00:25
 Operator : SY/AP
 Sample : J3735-01DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-1DL

Quant Time: Jul 03 05:06:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 22:27:58 2018
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1384120	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	3420066	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.34	117	3190222	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	2469929	10.13	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

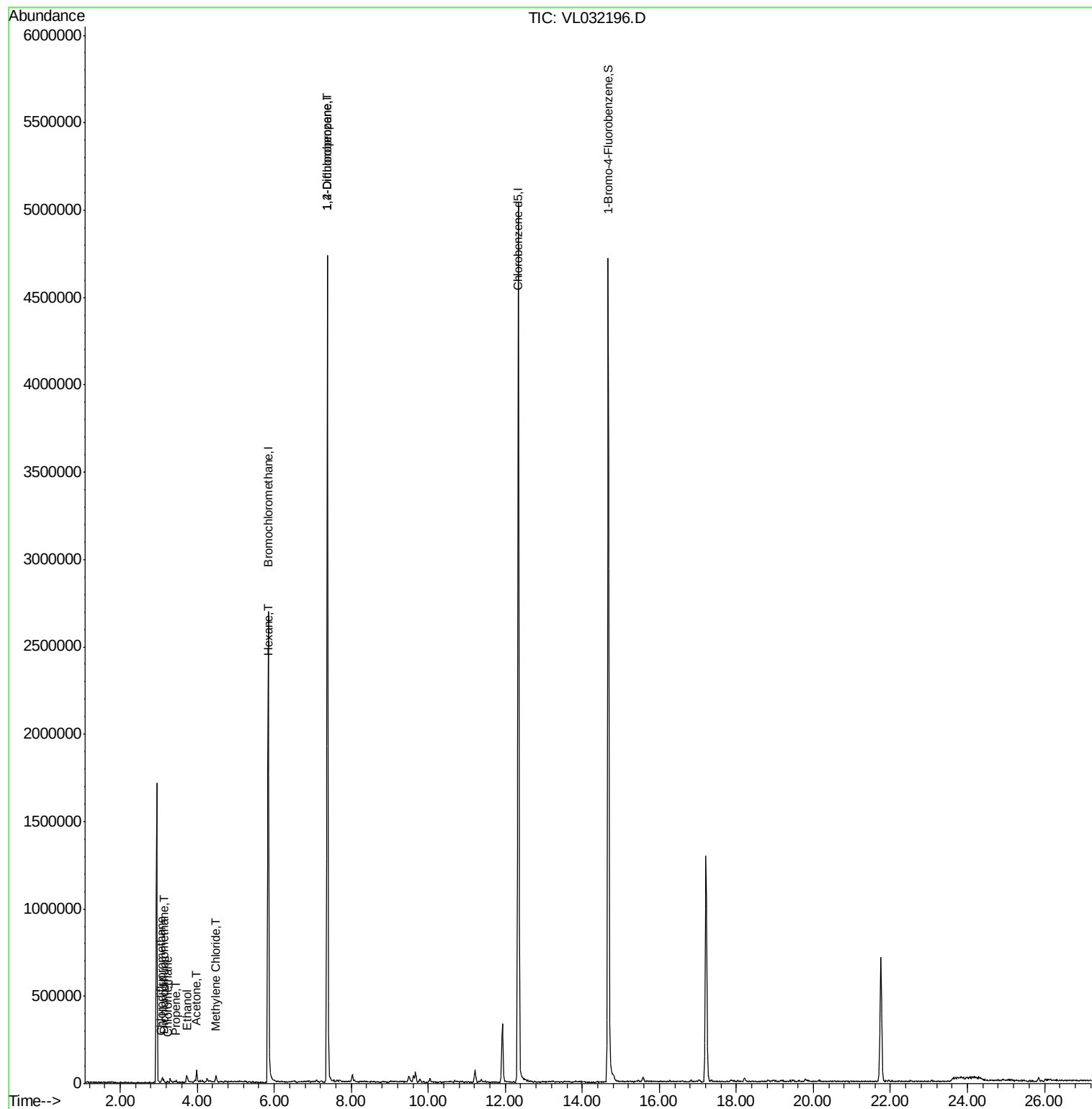
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.13	85	12302	0.067	ppbv	98
3) Chlorodifluoromethane	3.07	51	10929	0.065	ppbv #	91
4) Chloromethane	3.23	50	2933	0.032	ppbv	94
9) Propene	3.45	41	2638	0.033	ppbv	94
13) Ethanol	3.72	45	16005	0.670	ppbv #	38
15) Acetone	3.98	43	58799	0.363	ppbv	99
20) Methylene Chloride	4.49	84	8979	0.152	ppbv #	94
26) Hexane	5.86	57	7438	0.048	ppbv #	57
39) 1,2-Dichloropropane	7.38	63	919207	7.041	ppbv #	26

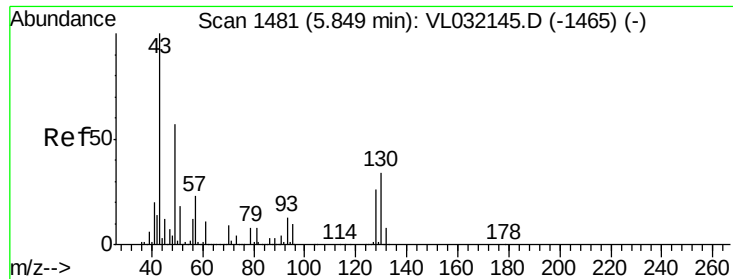
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL062918AIR.M
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1479

Delta R.T. -0.02 min

Lab File: VL032196.D

Acq: 3 Jul 2018 00:25

Instrument :

MSVOA_L

ClientSampleId :

SS-1DL

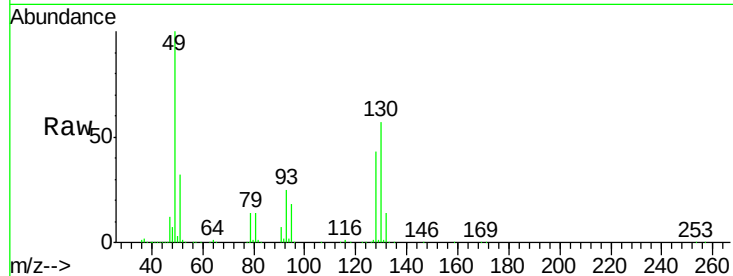
Tgt Ion: 49 Resp: 1384120

Ion Ratio Lower Upper

49 100

128 44.6 23.4 70.0

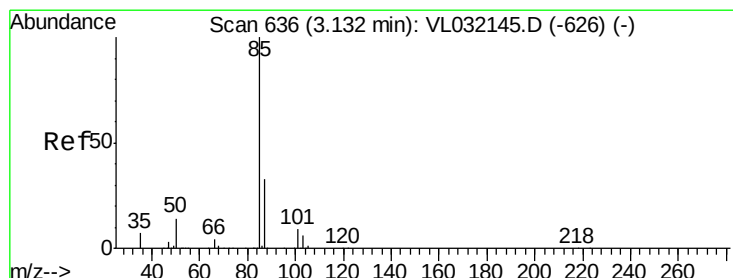
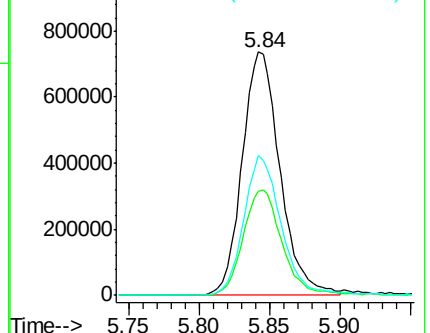
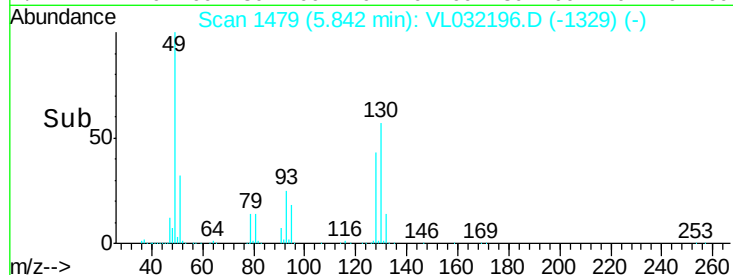
130 57.6 30.3 90.9



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: 0.067 ppbv

RT: 3.13 min Scan# 636

Delta R.T. -0.01 min

Lab File: VL032196.D

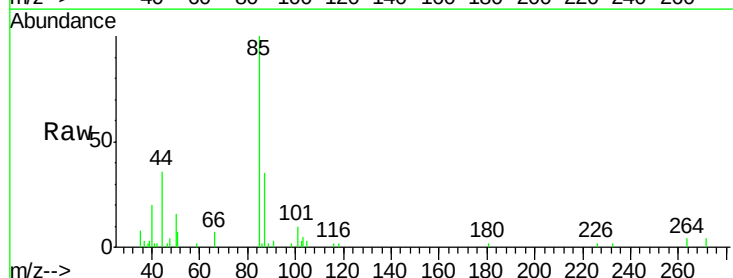
Acq: 3 Jul 2018 00:25

Tgt Ion: 85 Resp: 12302

Ion Ratio Lower Upper

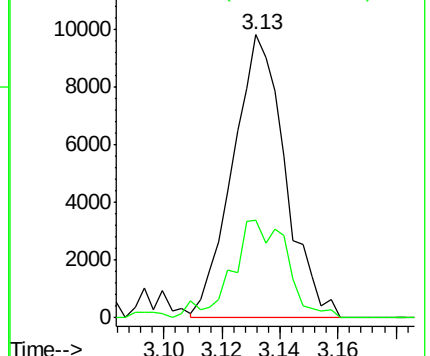
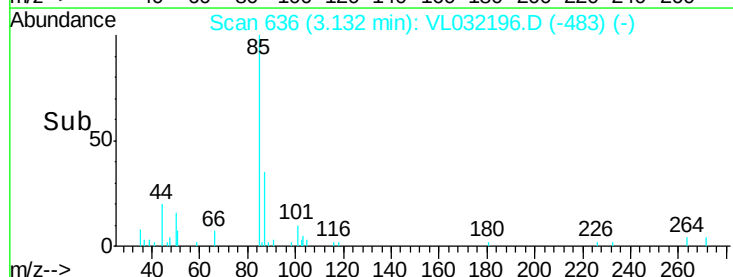
85 100

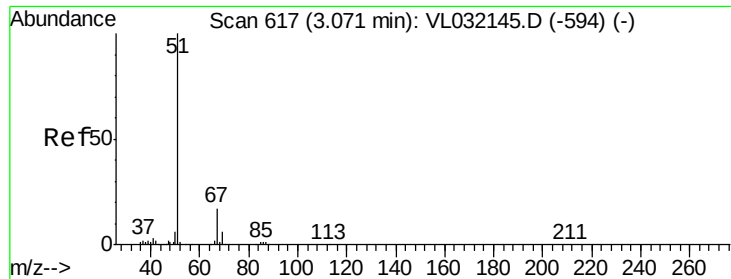
87 34.6 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.065 ppbv

RT: 3.07 min Scan# 617

Delta R.T. -0.01 min

Lab File: VL032196.D

Acq: 3 Jul 2018 00:25

Instrument :

MSVOA_L

ClientSampleId :

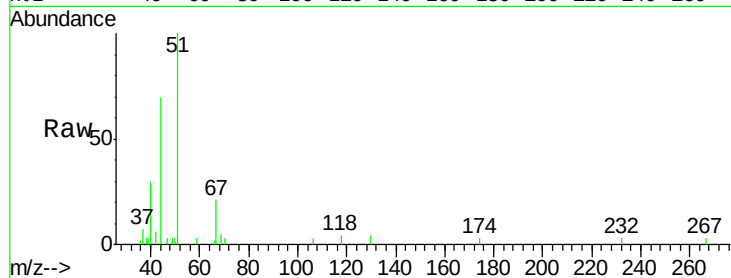
SS-1DL

Tgt Ion: 51 Resp: 10929

Ion Ratio Lower Upper

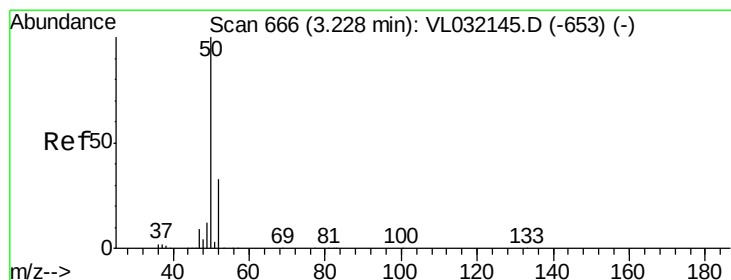
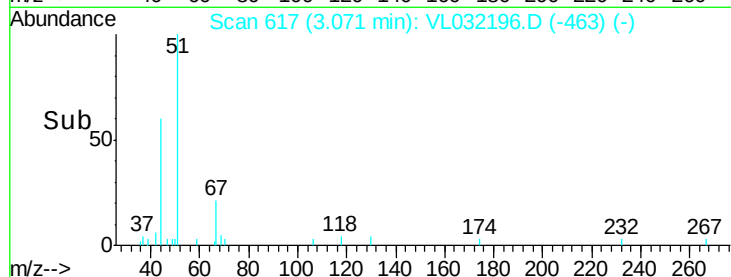
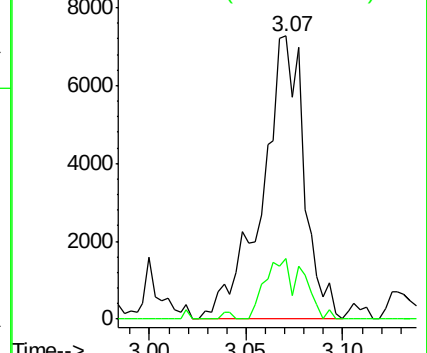
51 100

67 20.2 13.2 19.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.032 ppbv

RT: 3.23 min Scan# 666

Delta R.T. -0.01 min

Lab File: VL032196.D

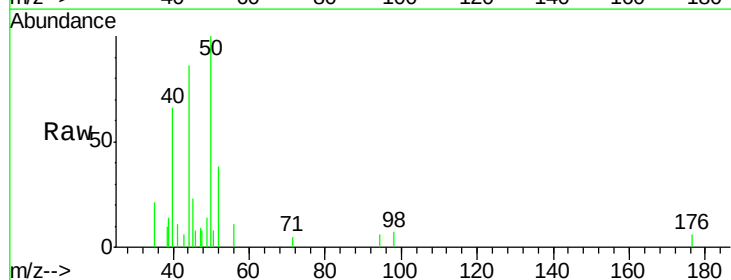
Acq: 3 Jul 2018 00:25

Tgt Ion: 50 Resp: 2933

Ion Ratio Lower Upper

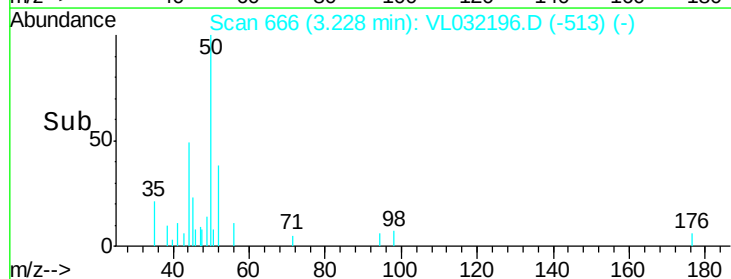
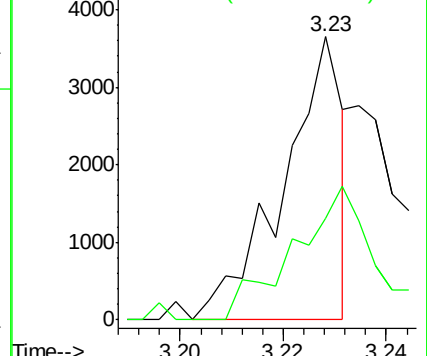
50 100

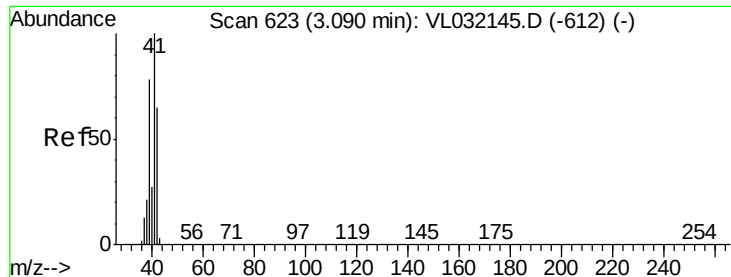
52 35.7 26.0 39.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.033 ppbv

RT: 3.45 min Scan# 736

Delta R.T. 0.35 min

Lab File: VL032196.D

Acq: 3 Jul 2018 00:25

Instrument :

MSVOA_L

ClientSampleId :

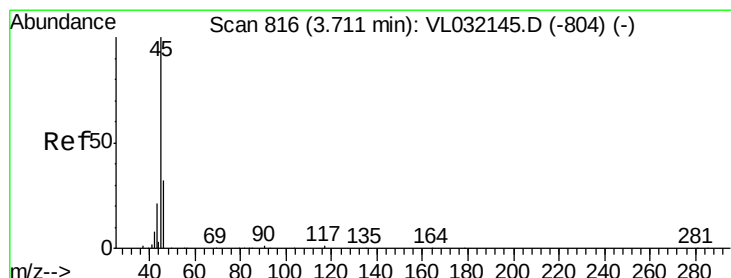
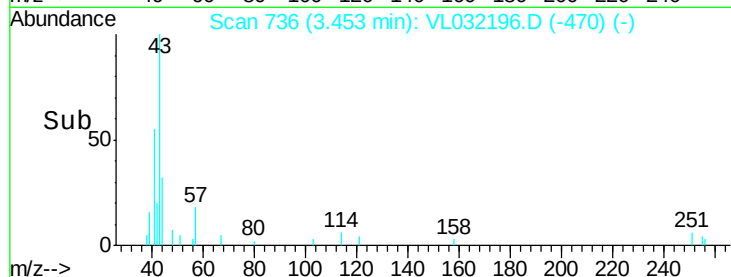
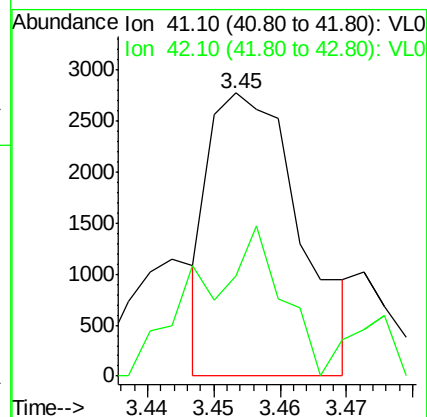
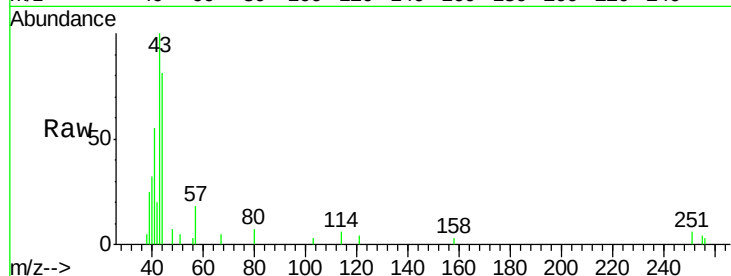
SS-1DL

Tgt Ion: 41 Resp: 2638

Ion Ratio Lower Upper

41 100

42 65.7 56.2 84.4



#13

Ethanol

Concen: 0.670 ppbv

RT: 3.72 min Scan# 820

Delta R.T. 0.00 min

Lab File: VL032196.D

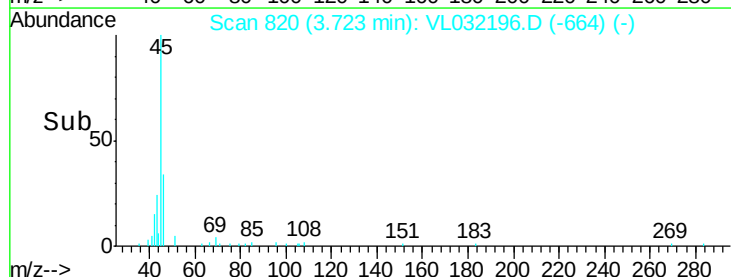
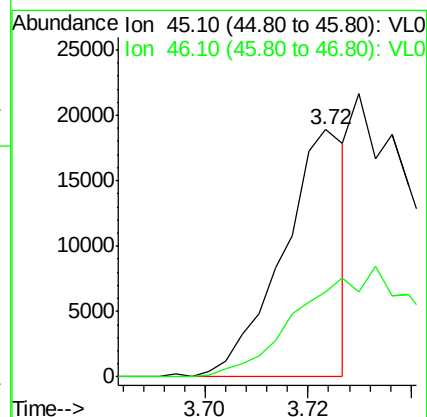
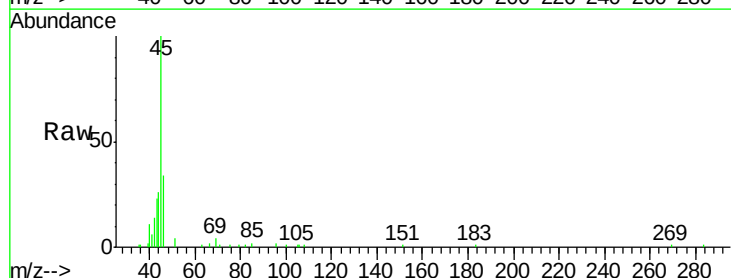
Acq: 3 Jul 2018 00:25

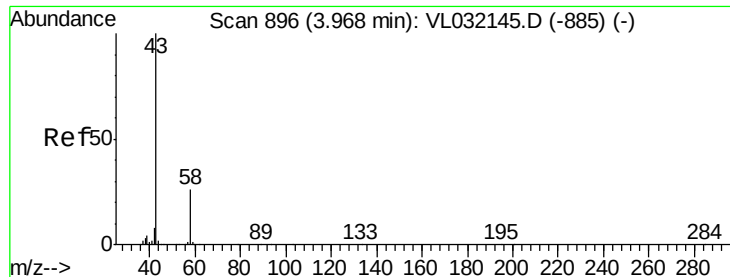
Tgt Ion: 45 Resp: 16005

Ion Ratio Lower Upper

45 100

46 0.0 14.6 58.4#





#15

Acetone

Concen: 0.363 ppbv

RT: 3.98 min Scan# 901

Delta R.T. 0.01 min

Lab File: VL032196.D

Acq: 3 Jul 2018 00:25

Instrument :

MSVOA_L

ClientSampleId :

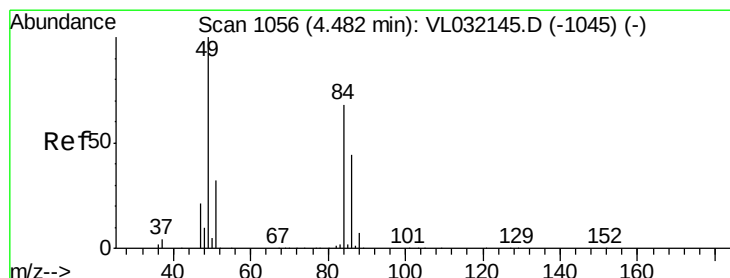
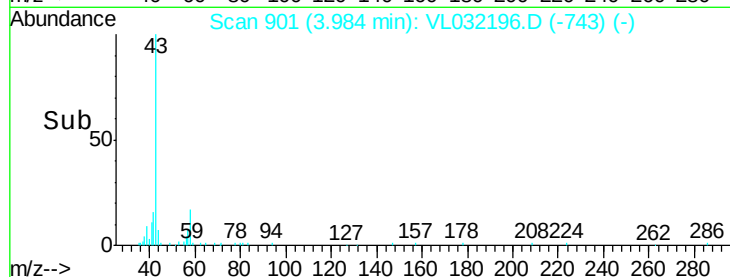
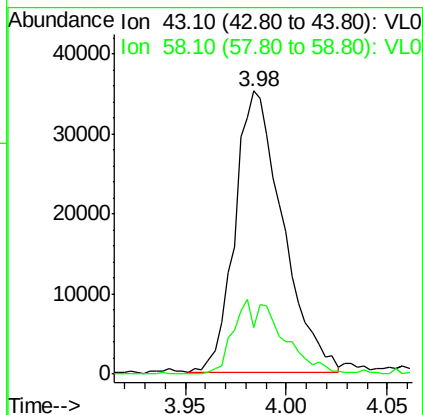
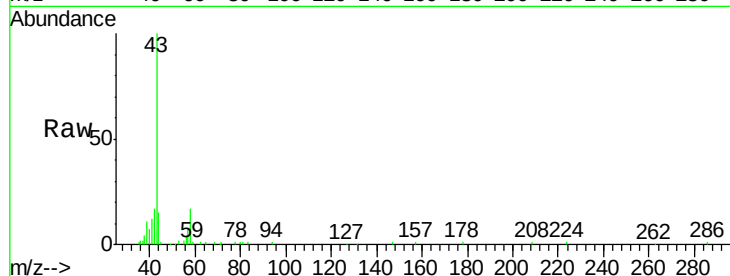
SS-1DL

Tgt Ion: 43 Resp: 58799

Ion Ratio Lower Upper

43 100

58 27.1 21.4 32.0



#20

Methylene Chloride

Concen: 0.152 ppbv

RT: 4.49 min Scan# 1057

Delta R.T. -0.01 min

Lab File: VL032196.D

Acq: 3 Jul 2018 00:25

Tgt Ion: 84 Resp: 8979

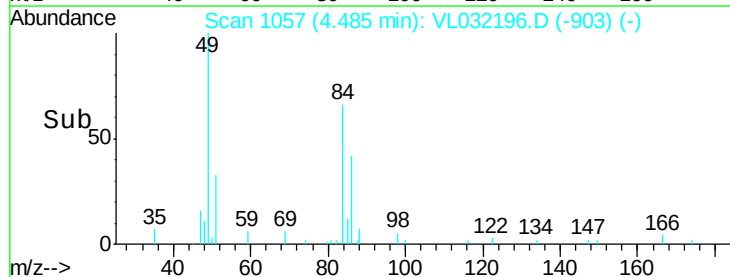
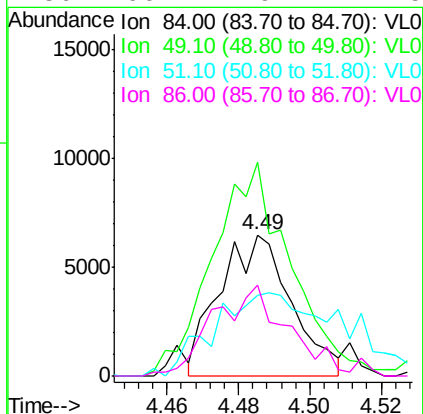
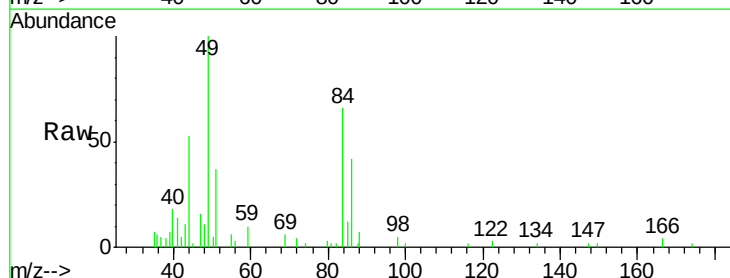
Ion Ratio Lower Upper

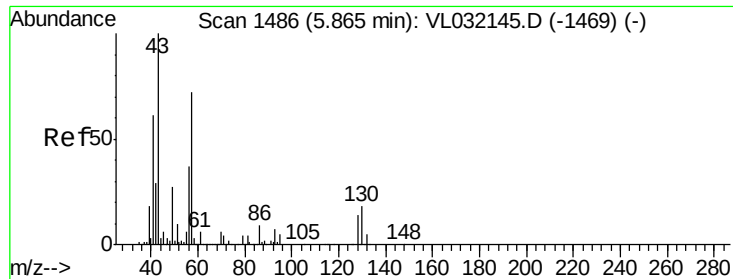
84 100

49 147.9 119.6 179.4

51 32.0 36.3 54.5#

86 66.2 49.7 74.5

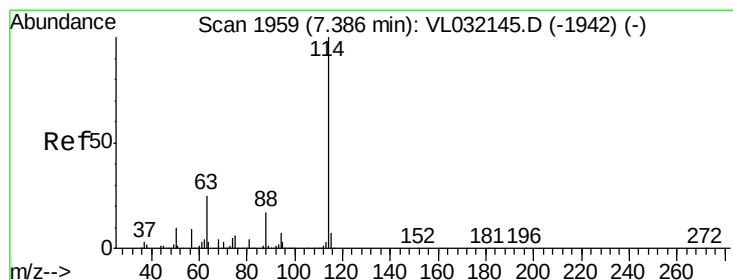
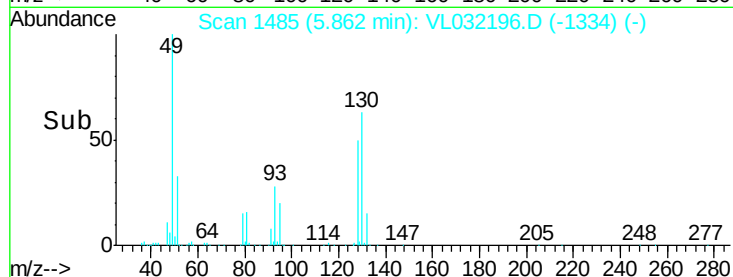
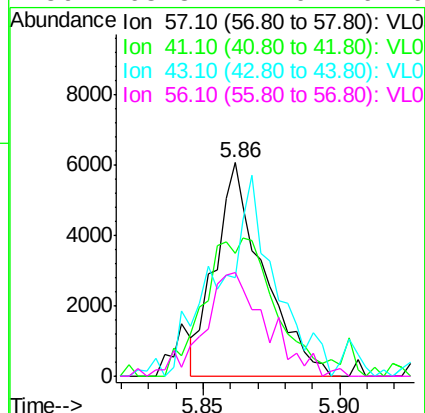
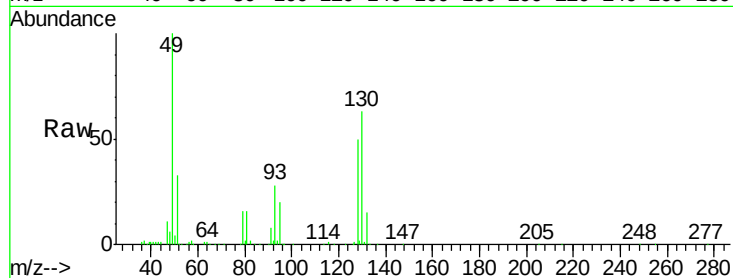




#26
Hexane
Concen: 0.048 ppbv
RT: 5.86 min Scan# 1485
Delta R.T. -0.02 min
Lab File: VL032196.D
Acq: 3 Jul 2018 00:25

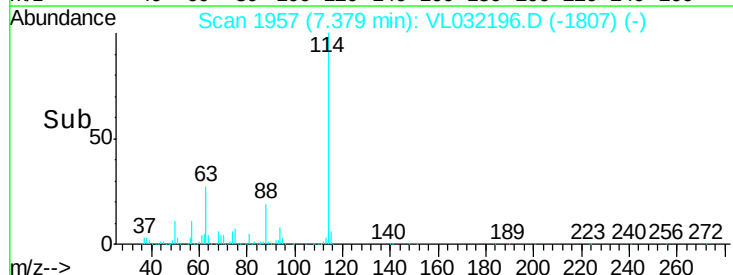
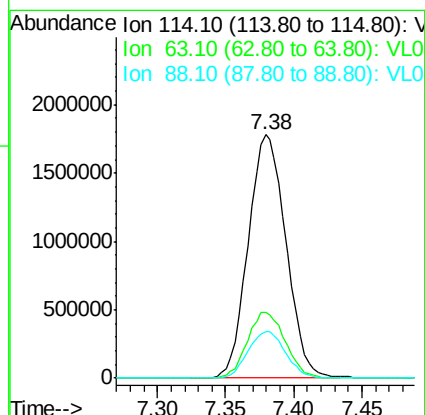
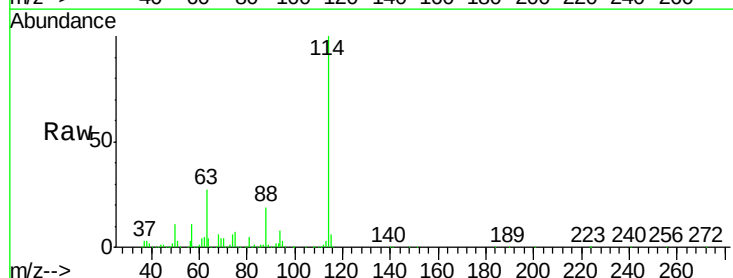
Instrument :
MSVOA_L
ClientSampleId :
SS-1DL

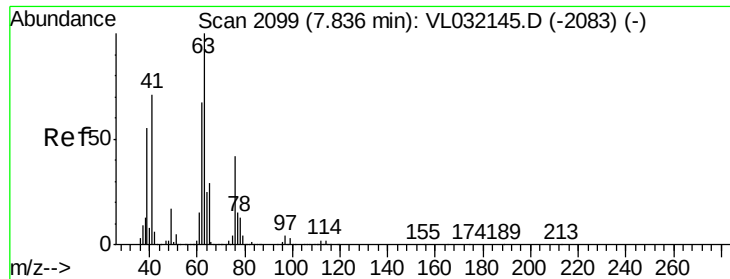
Tgt Ion: 57 Resp: 7438
Ion Ratio Lower Upper
57 100
41 104.3 68.6 103.0#
43 118.4 168.6 252.8#
56 63.8 41.0 61.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.38 min Scan# 1957
Delta R.T. -0.02 min
Lab File: VL032196.D
Acq: 3 Jul 2018 00:25

Tgt Ion: 114 Resp: 3420066
Ion Ratio Lower Upper
114 100
63 27.3 19.1 28.7
88 19.2 13.9 20.9





#39

1,2-Dichloropropane

Concen: 7.041 ppbv

RT: 7.38 min Scan# 1956

Delta R.T. -0.47 min

Lab File: VL032196.D

Acq: 3 Jul 2018 00:25

Instrument :

MSVOA_L

ClientSampleId :

SS-1DL

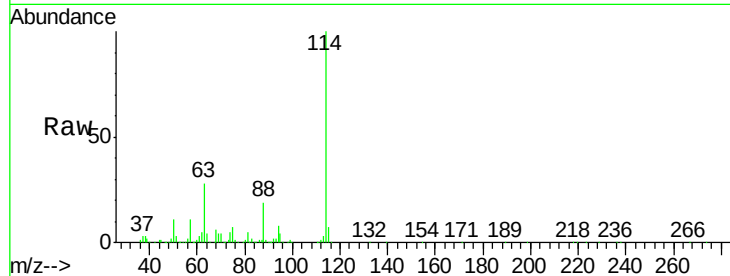
Tgt Ion: 63 Resp: 919207

Ion Ratio Lower Upper

63 100

41 0.0 53.3 79.9#

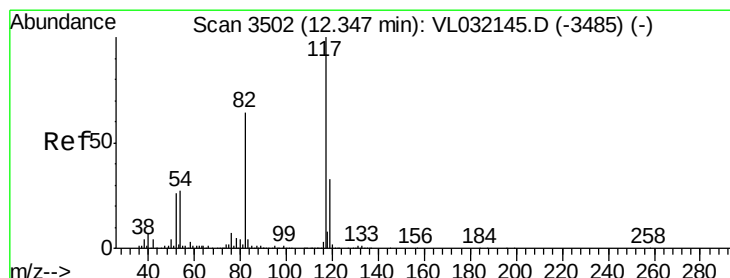
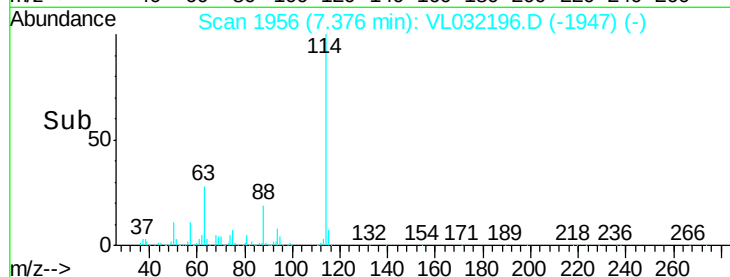
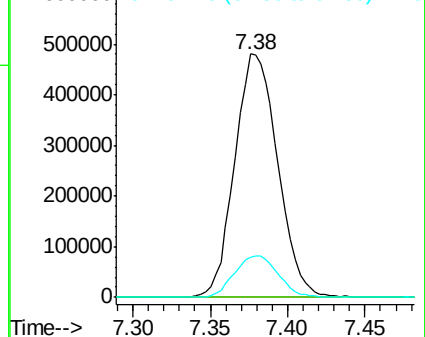
62 16.5 54.8 82.2#



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: 10.000 ppbv

RT: 12.34 min Scan# 3500

Delta R.T. -0.02 min

Lab File: VL032196.D

Acq: 3 Jul 2018 00:25

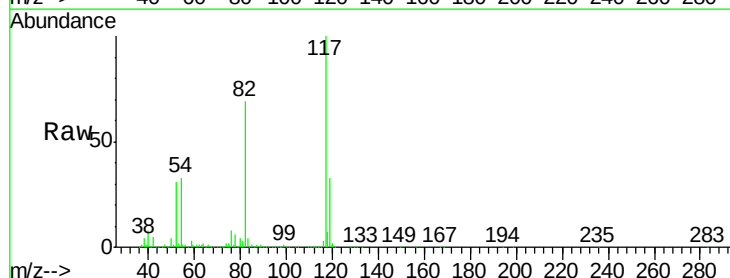
Tgt Ion: 117 Resp: 3190222

Ion Ratio Lower Upper

117 100

82 70.2 47.8 71.8

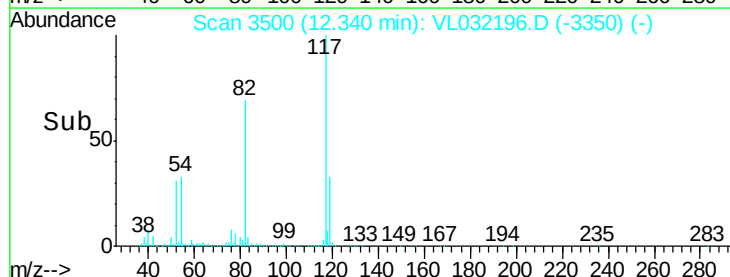
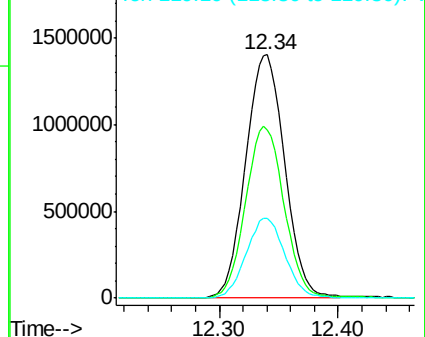
119 32.7 43.3 64.9#

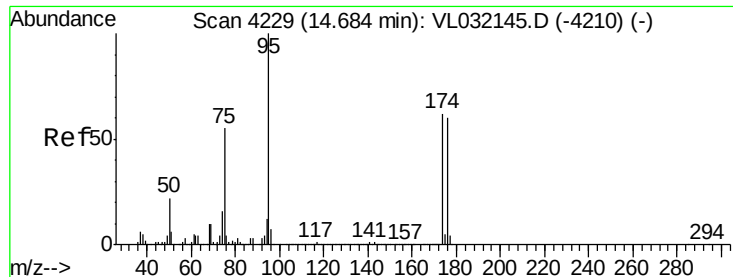


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.129 ppbv

RT: 14.67 min Scan# 4226

Delta R.T. -0.02 min

Lab File: VL032196.D

Acq: 3 Jul 2018 00:25

Instrument :

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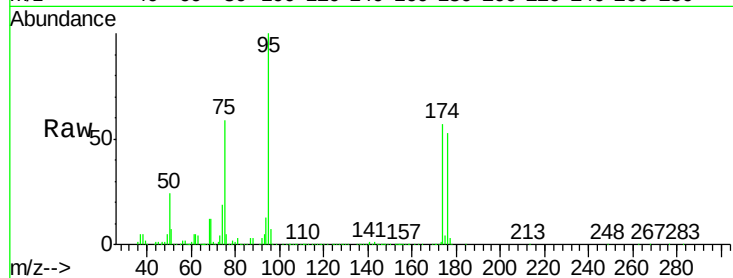
Tgt Ion: 95 Resp: 2469929

Ion Ratio Lower Upper

95 100

174 56.5 52.1 78.1

175 4.0 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

