

Data File : VL032993.D
Acq On : 14 Dec 2018 8:58
Operator : SY/AP
Sample : VIBLK
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Quant Time: Dec 14 10:13:35 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1055729	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2437465	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.24	117	2514884	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2173813	11.70	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	117.00%

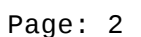
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.01	51	3758	0.047	ppbv	95
4) Chloromethane	3.17	50	7665	0.165	ppbv #	65
8) Dichlorotetrafluoroethane	3.22	85	4206	0.036	ppbv	92
9) Propene	3.04	41	16774	0.531	ppbv	85
12) 1,1,2-Trichlorotrifluoroet	4.55	101	3478	0.031	ppbv	98
13) Ethanol	3.66	45	502	0.046	ppbv #	40
15) Acetone	3.93	43	48880	0.539	ppbv	95
16) 1,3-Butadiene	3.35	39	9981	0.278	ppbv #	27
20) Methylene Chloride	4.41	84	13832	0.312	ppbv #	77
26) Hexane	5.78	57	7044	0.071	ppbv #	59
39) 1,2-Dichloropropane	7.29	63	612504	9.008	ppbv #	21

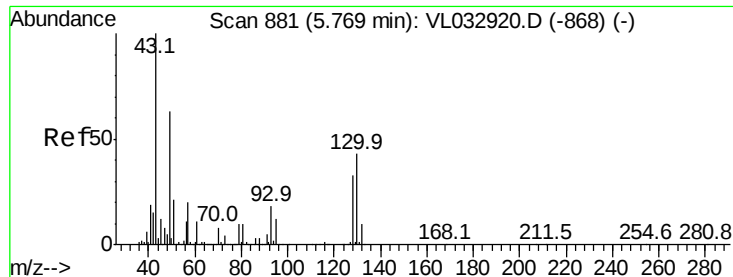
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (Not Reviewed)

ALS Vial : 1 Sample Multiplier: 1

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.01 min

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VIBLK

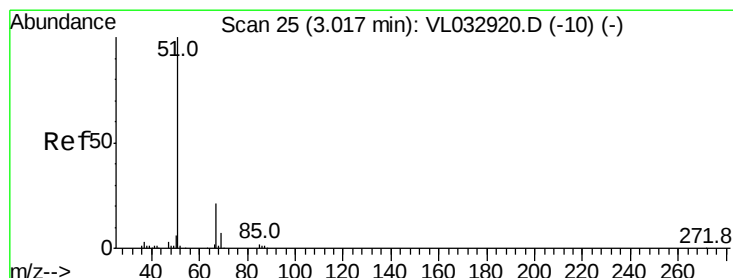
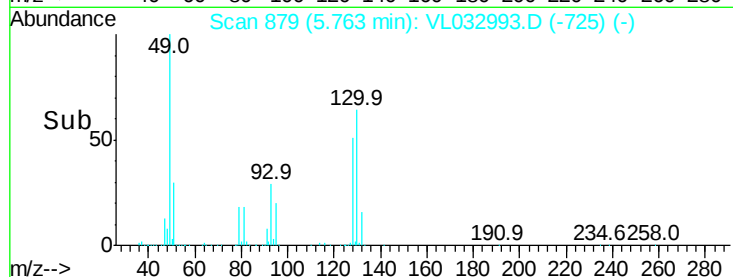
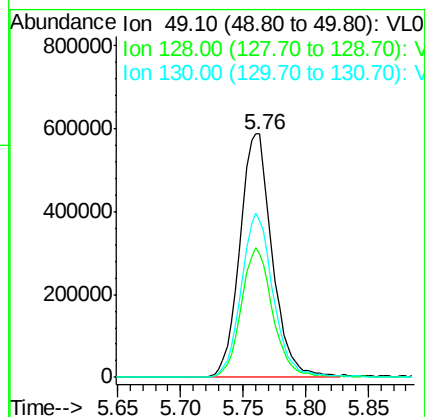
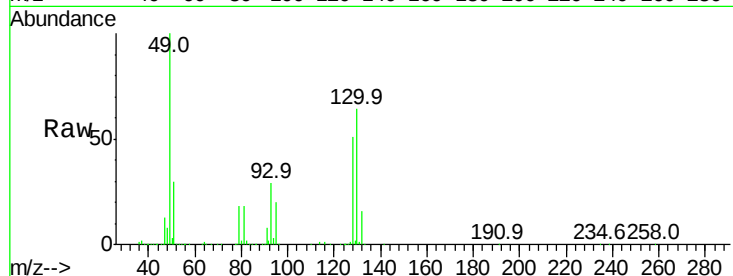
Tgt Ion: 49 Resp: 1055729

Ion Ratio Lower Upper

49 100

128 52.3 26.3 78.8

130 67.0 33.9 101.7



#3

Chlorodifluoromethane

Concen: 0.047 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL032993.D

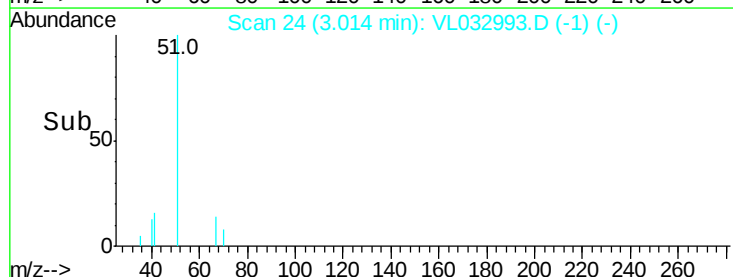
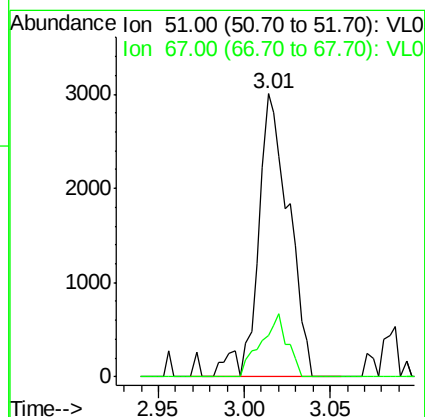
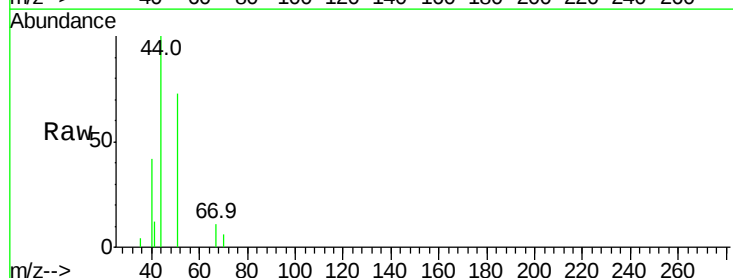
Acq: 14 Dec 2018 8:58

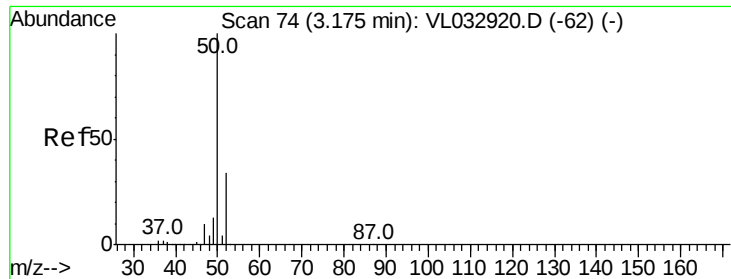
Tgt Ion: 51 Resp: 3758

Ion Ratio Lower Upper

51 100

67 18.8 16.8 25.2





#4

Chloromethane

Concen: 0.165 ppbv

RT: 3.17 min Scan# 73

Delta R.T. -0.00 min

Lab File: VL032993.D

Acq: 14 Dec 2018 8:58

Instrument :

MSVOA_L

ClientSampleId :

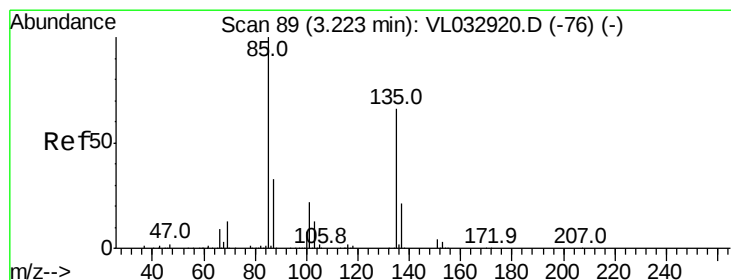
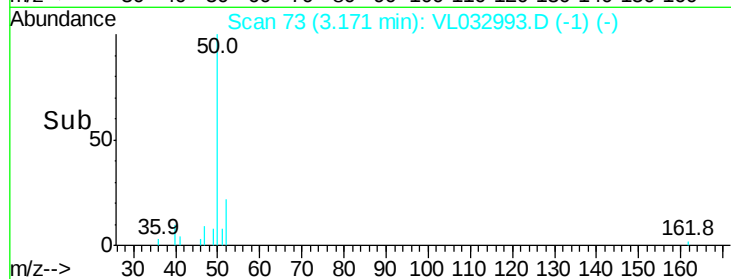
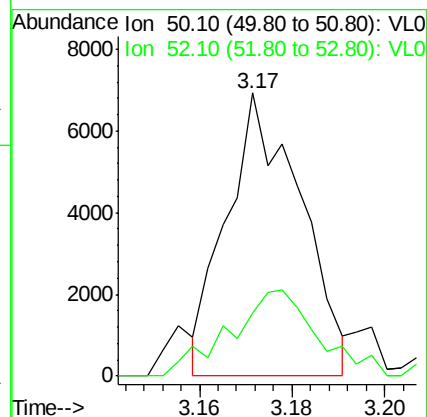
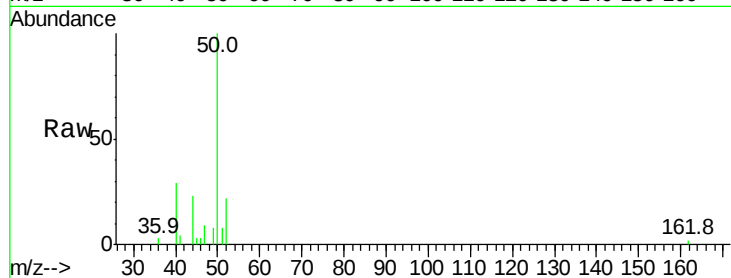
VIBLK

Tgt Ion: 50 Resp: 7665

Ion Ratio Lower Upper

50 100

52 13.7 27.3 40.9#



#8

Dichlorotetrafluoroethane

Concen: 0.036 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL032993.D

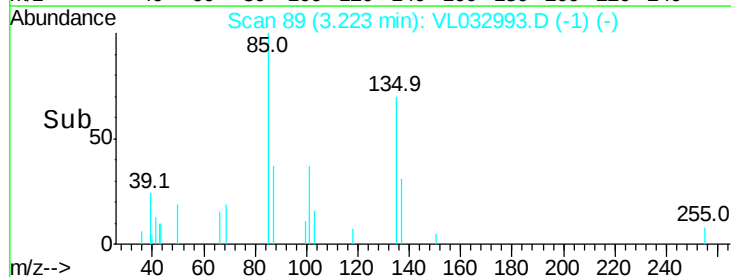
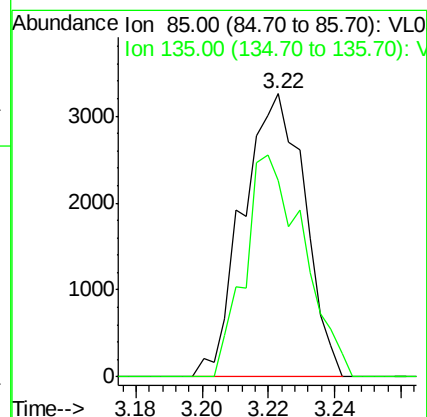
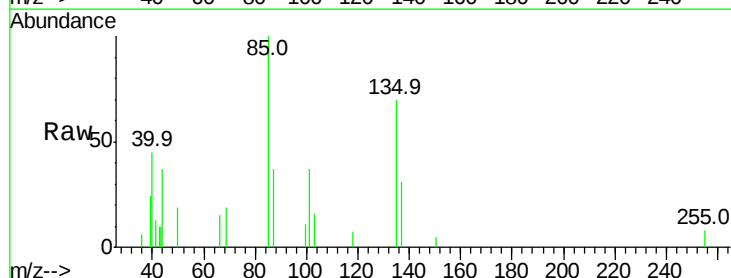
Acq: 14 Dec 2018 8:58

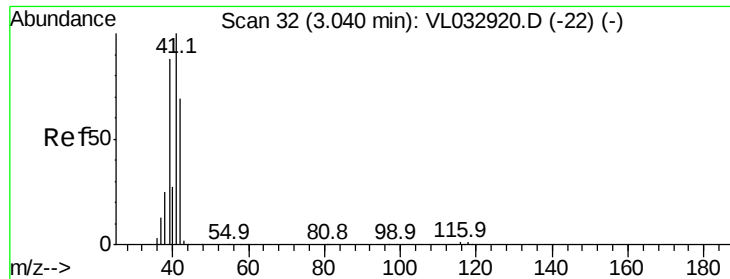
Tgt Ion: 85 Resp: 4206

Ion Ratio Lower Upper

85 100

135 74.2 54.5 81.7





#9

Propene

Concen: 0.531 ppbv

RT: 3.04 min Scan# 33

Delta R.T. 0.00 min

Lab File: VL032993.D

Acq: 14 Dec 2018 8:58

Instrument :

MSVOA_L

ClientSampleId :

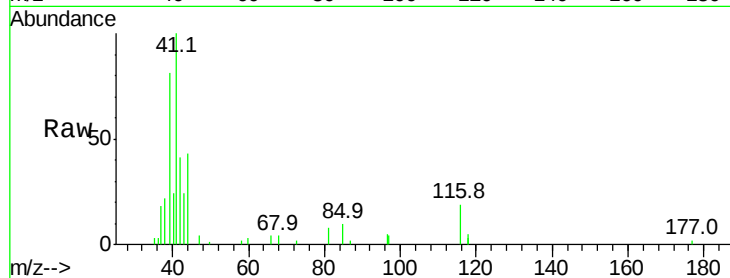
VIBLK

Tgt Ion: 41 Resp: 16774

Ion Ratio Lower Upper

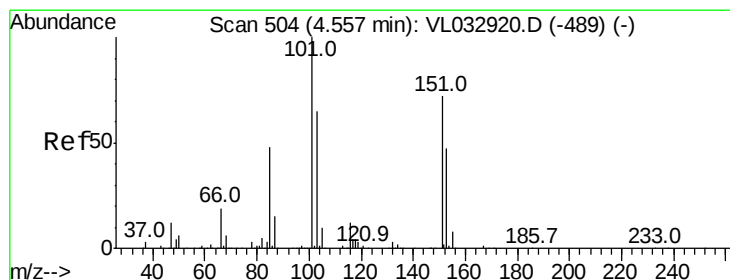
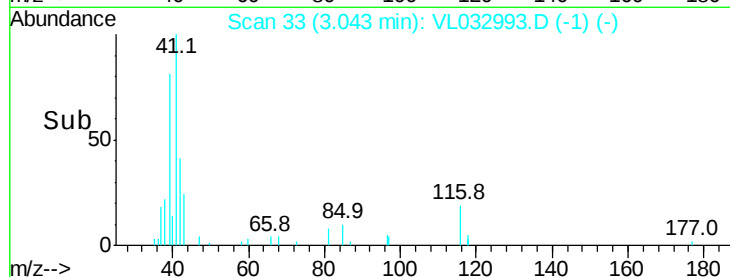
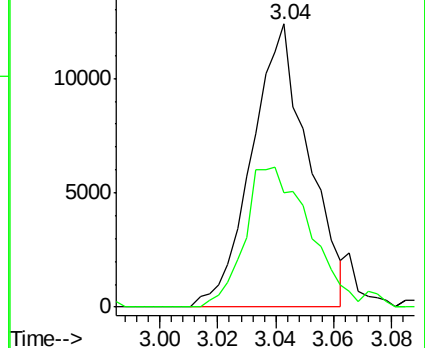
41 100

42 58.0 56.2 84.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.031 ppbv

RT: 4.55 min Scan# 503

Delta R.T. -0.00 min

Lab File: VL032993.D

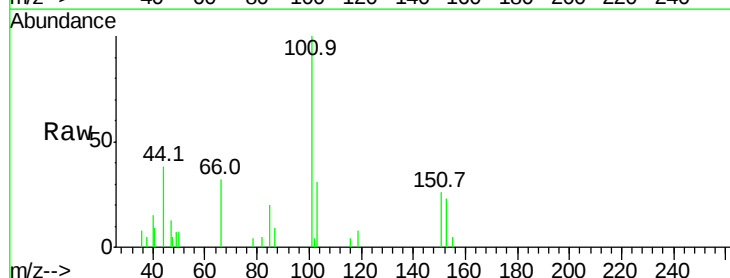
Acq: 14 Dec 2018 8:58

Tgt Ion: 101 Resp: 3478

Ion Ratio Lower Upper

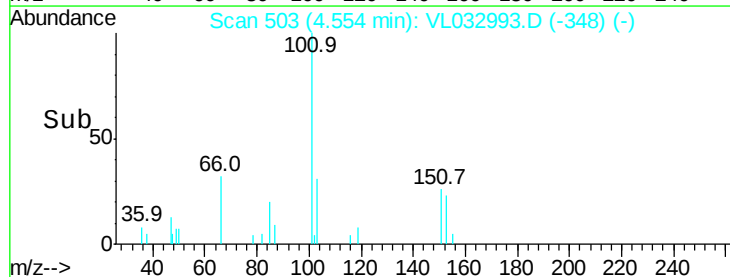
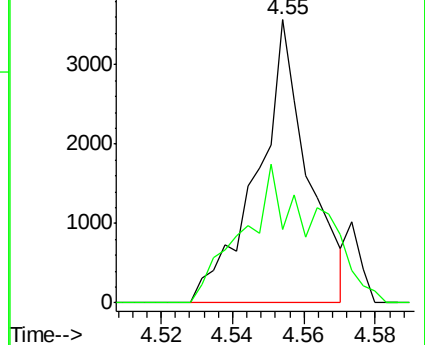
101 100

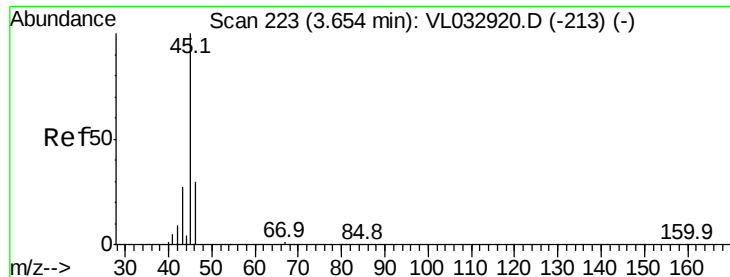
151 72.1 59.3 88.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.046 ppbv

RT: 3.66 min Scan# 226

Delta R.T. 0.01 min

Lab File: VL032993.D

Acq: 14 Dec 2018 8:58

Instrument :

MSVOA_L

ClientSampleId :

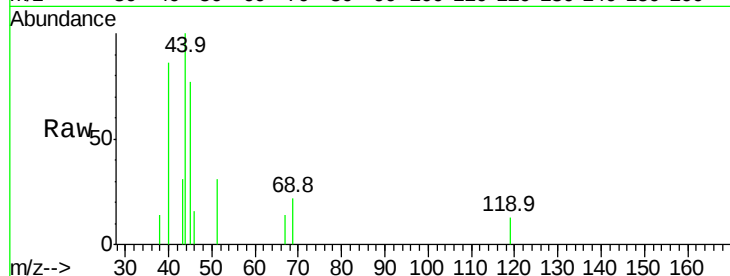
VIBLK

Tgt Ion: 45 Resp: 502

Ion Ratio Lower Upper

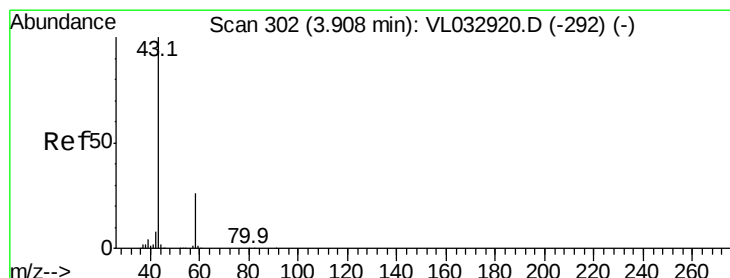
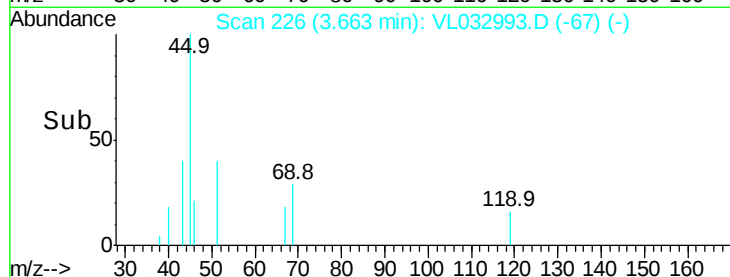
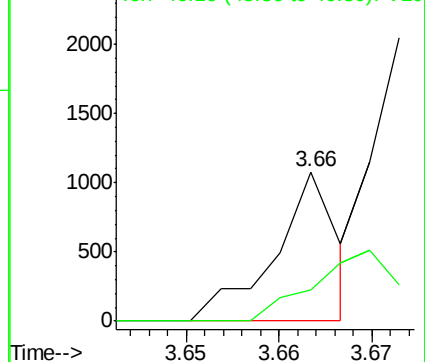
45 100

46 0.0 13.8 55.4#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 0.539 ppbv

RT: 3.93 min Scan# 309

Delta R.T. 0.02 min

Lab File: VL032993.D

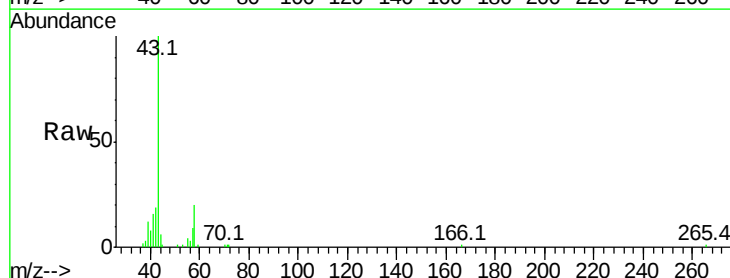
Acq: 14 Dec 2018 8:58

Tgt Ion: 43 Resp: 48880

Ion Ratio Lower Upper

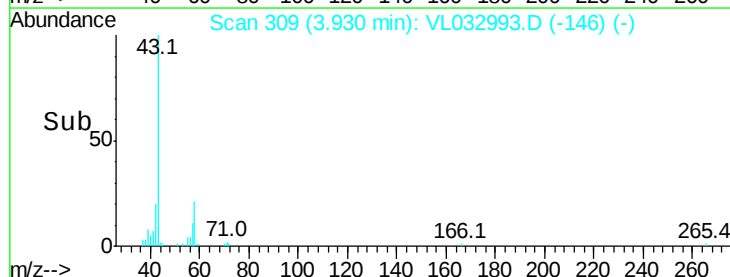
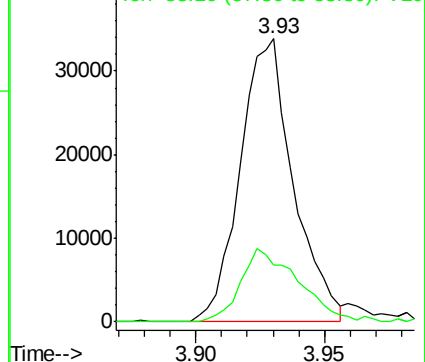
43 100

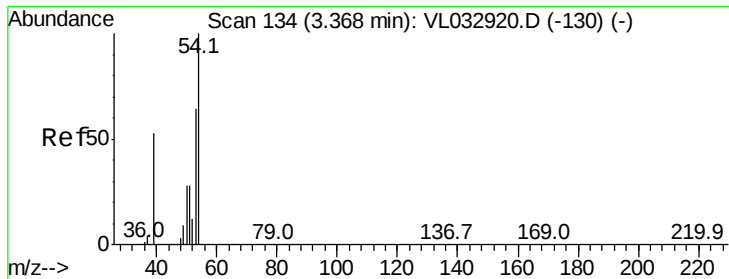
58 28.3 20.6 30.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

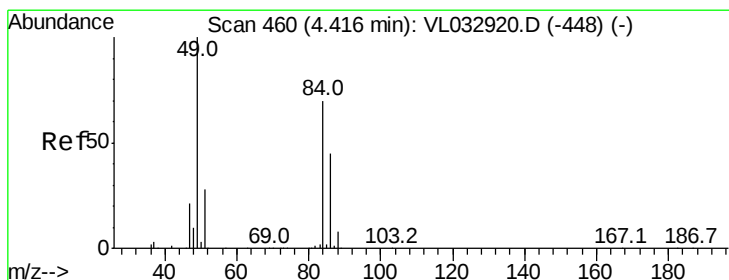
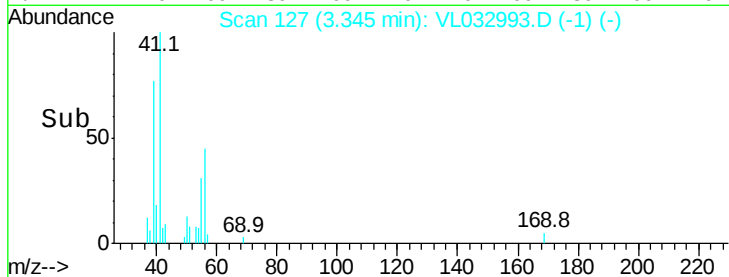
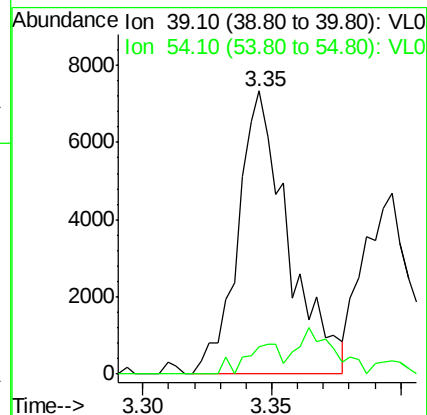
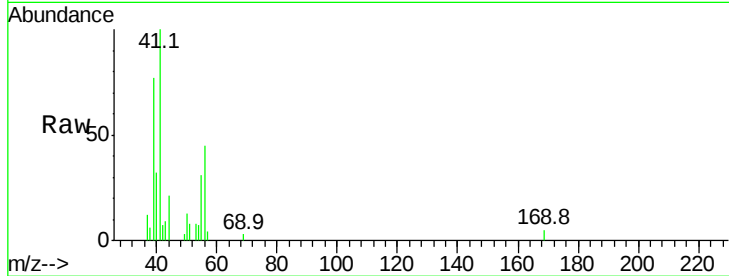




#16
 1,3-Butadiene
 Concen: 0.278 ppbv
 RT: 3.35 min Scan# 127
 Delta R.T. -0.02 min
 Lab File: VL032993.D
 Acq: 14 Dec 2018 8:58

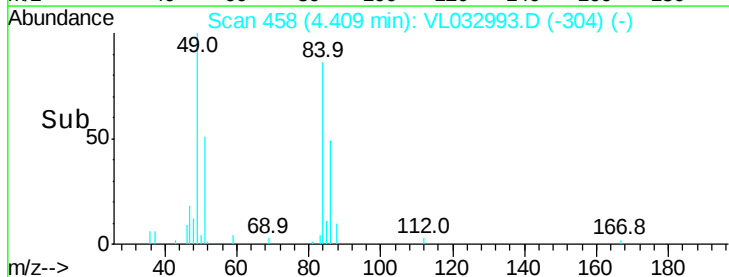
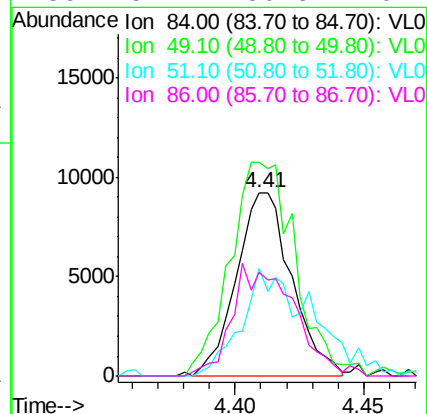
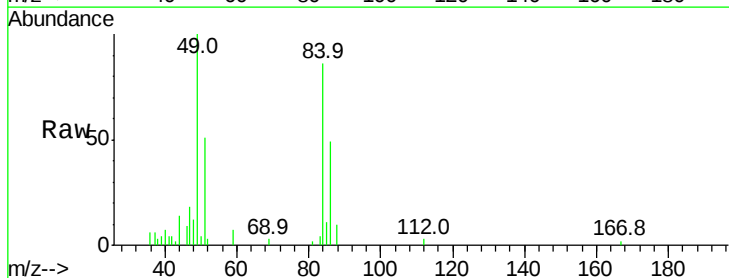
Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

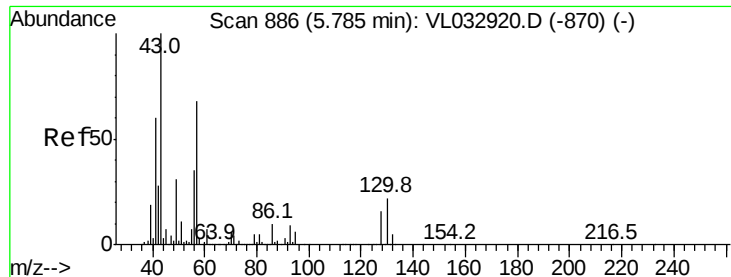
Tgt Ion: 39 Resp: 9981
 Ion Ratio Lower Upper
 39 100
 54 21.9 72.7 109.1#



#20
 Methylene Chloride
 Concen: 0.312 ppbv
 RT: 4.41 min Scan# 458
 Delta R.T. -0.01 min
 Lab File: VL032993.D
 Acq: 14 Dec 2018 8:58

Tgt Ion: 84 Resp: 13832
 Ion Ratio Lower Upper
 84 100
 49 109.7 113.8 170.8#
 51 58.7 31.8 47.8#
 86 54.7 50.8 76.2





#26

Hexane

Concen: 0.071 ppbv

RT: 5.78 min Scan# 885

Delta R.T. -0.00 min

Lab File: VL032993.D

Acq: 14 Dec 2018 8:58

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

Tgt Ion: 57 Resp: 7044

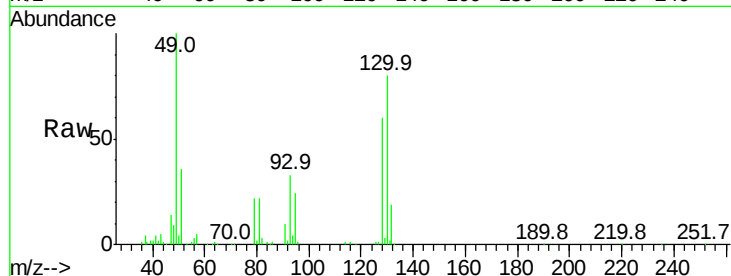
Ion Ratio Lower Upper

57 100

41 125.6 72.2 108.2#

43 145.0 171.9 257.9#

56 75.3 42.2 63.2#

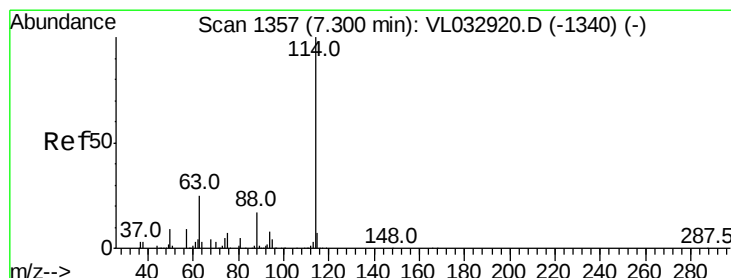
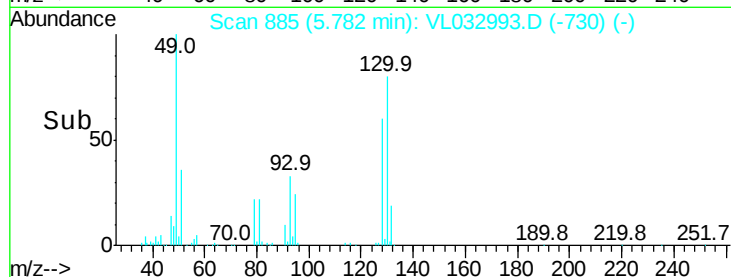
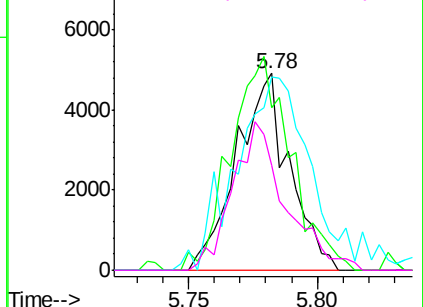


Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 10.000 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.01 min

Lab File: VL032993.D

Acq: 14 Dec 2018 8:58

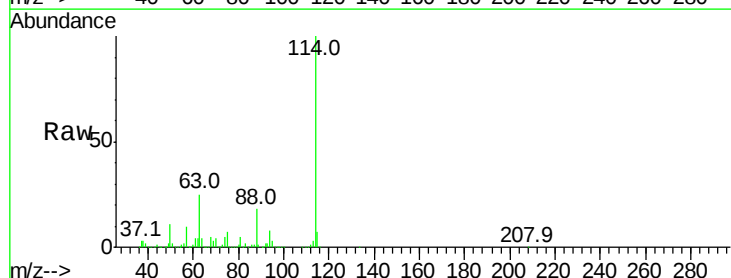
Tgt Ion: 114 Resp: 2437465

Ion Ratio Lower Upper

114 100

63 25.2 20.1 30.1

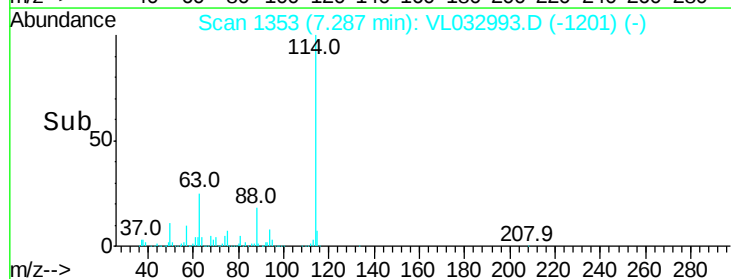
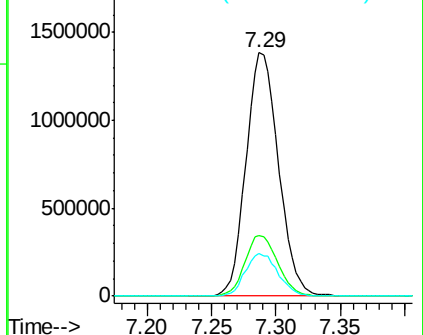
88 17.7 14.2 21.4

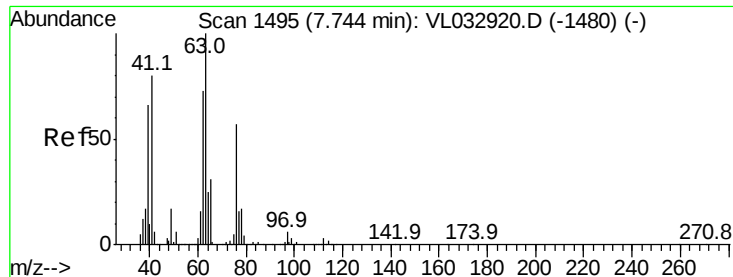


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#39

1,2-Dichloropropane

Concen: 9.008 ppbv

RT: 7.29 min Scan# 1353

Delta R.T. -0.46 min

Lab File: VL032993.D

Acq: 14 Dec 2018 8:58

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VIBLK

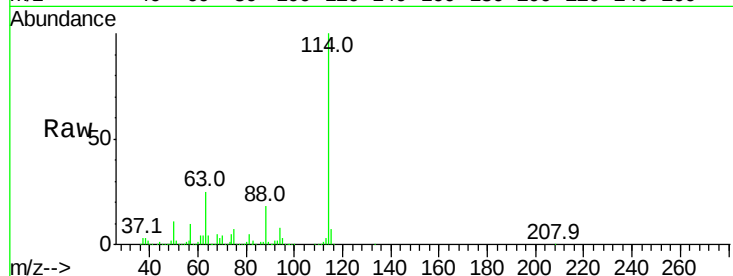
Tgt Ion: 63 Resp: 612504

Ion Ratio Lower Upper

63 100

41 0.1 63.9 95.9#

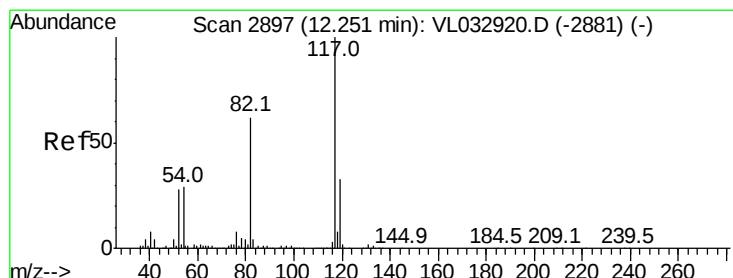
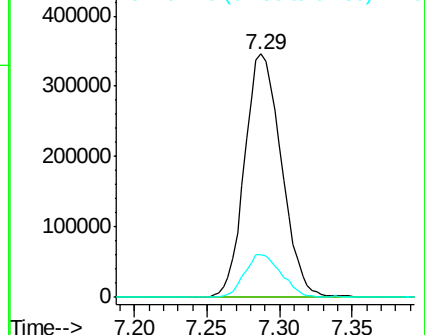
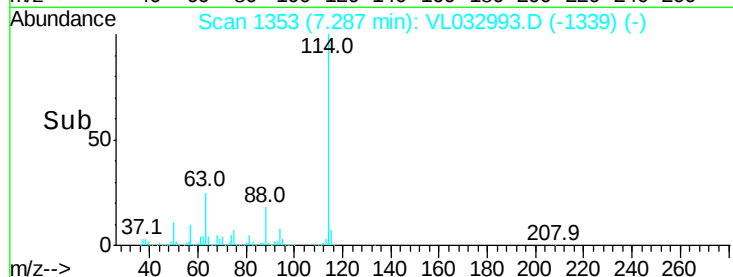
62 17.5 58.8 88.2#



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: 12.24 min Scan# 2893

Delta R.T. -0.01 min

Lab File: VL032993.D

Acq: 14 Dec 2018 8:58

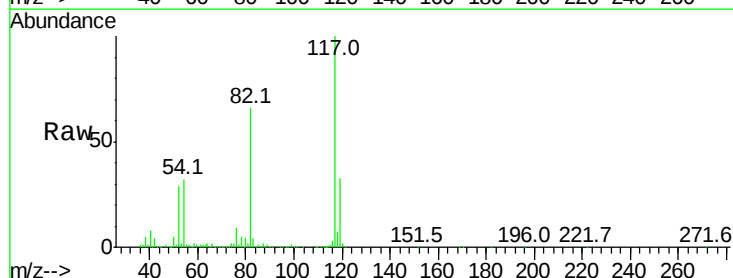
Tgt Ion: 117 Resp: 2514884

Ion Ratio Lower Upper

117 100

82 65.4 47.8 71.8

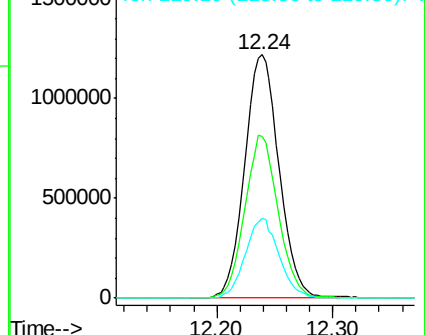
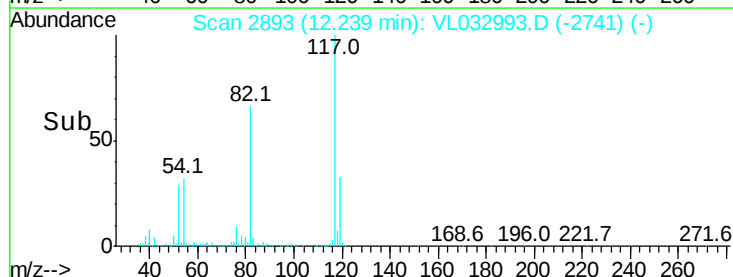
119 32.4 43.1 64.7#

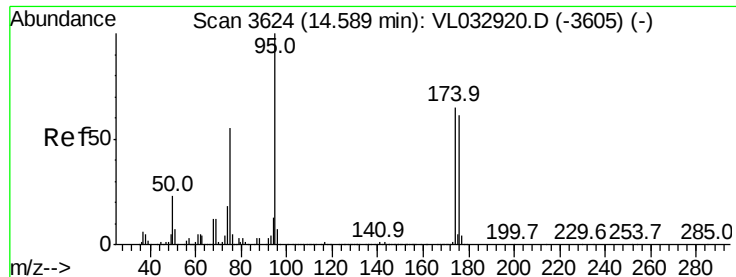


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 11.700 ppbv

RT: 14.58 min Scan# 3620

Delta R.T. -0.01 min

Lab File: VL032993.D

Acq: 14 Dec 2018 8:58

Instrument :

MSVOA_L

ClientSampleId :

VIBLK

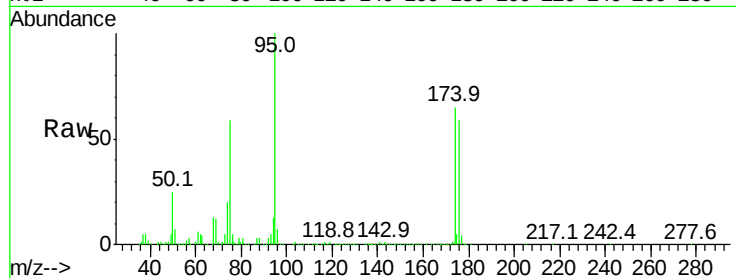
Tgt Ion: 95 Resp: 2173813

Ion Ratio Lower Upper

95 100

174 65.4 51.4 77.0

175 4.8 3.8 5.6



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

