

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
 Data File : VL034262.D
 Acq On : 8 Oct 2019 23:51
 Operator : SY/AP
 Sample : K5243-02DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

Quant Time: Oct 09 05:21:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1104613	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.21	114	1803017	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.15	117	1804995	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1620797	10.33	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.30%

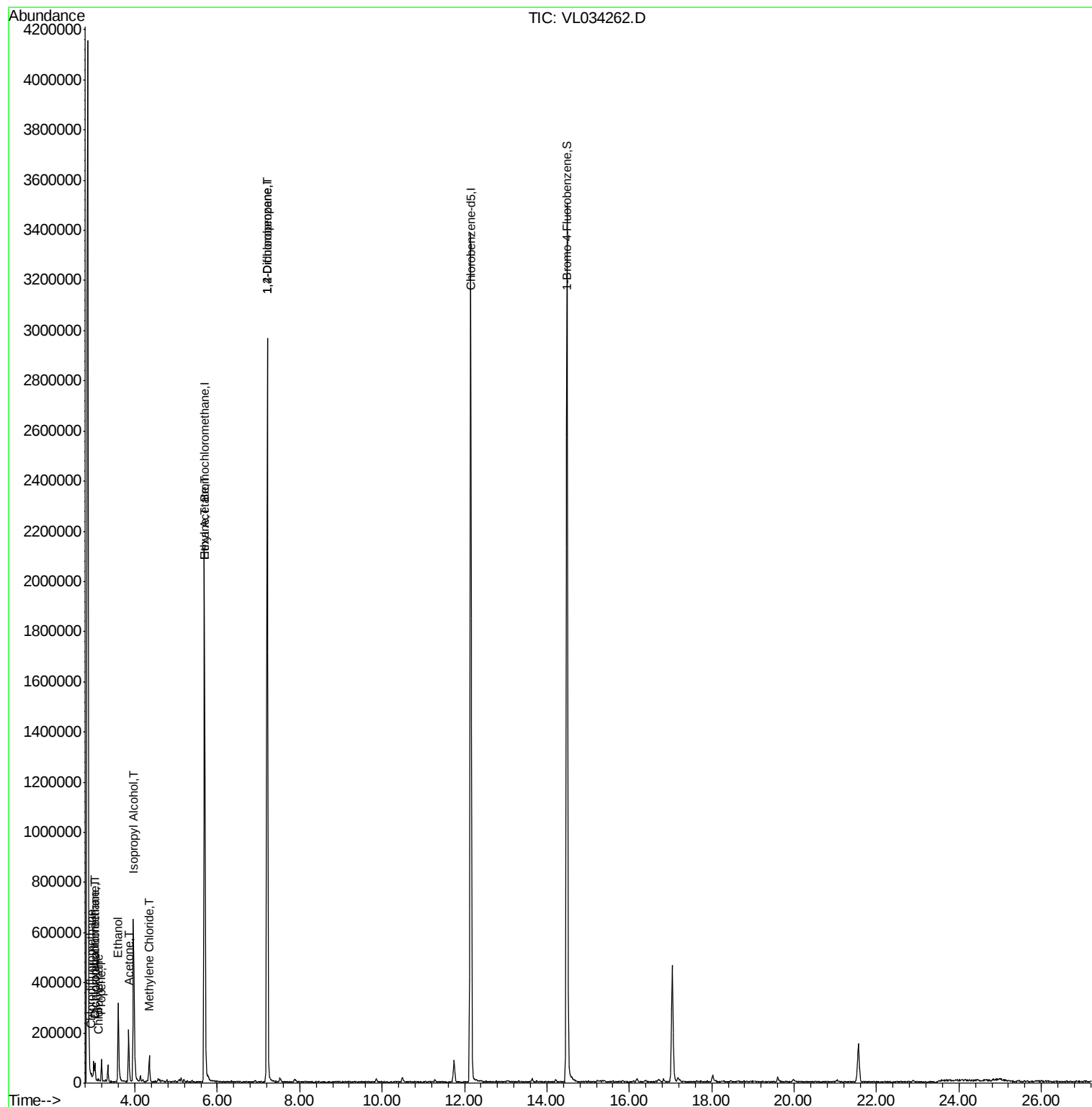
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	39342	0.241	ppbv	93
3) Chlorodifluoromethane	2.94	51	12138	0.094	ppbv #	77
4) Chloromethane	3.12	50	2446	0.032	ppbv #	69
8) Dichlorotetrafluoroethane	3.03	85	39342	0.273	ppbv #	21
9) Propene	3.19	41	20543	0.321	ppbv	98
13) Ethanol	3.59	45	301831	19.507	ppbv	96
15) Acetone	3.85	43	195000	1.317	ppbv	99
19) Isopropyl Alcohol	3.97	45	711487	7.815	ppbv #	98
20) Methylene Chloride	4.35	84	32097	0.752	ppbv #	92
25) Ethyl Acetate	5.70	43	33103	0.118	ppbv #	93
26) Hexane	5.70	57	13571	0.117	ppbv #	54
39) 1,2-Dichloropropane	7.21	63	612574	6.847	ppbv #	20

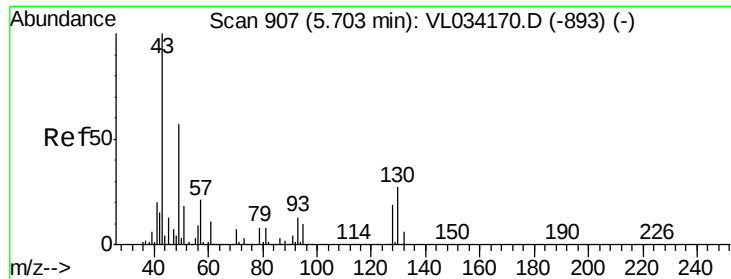
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL100819\
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MSVOA_L
ClientSampleId :
IA1DL

Quant Time: Oct 09 05:21:49 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 12:53:31 2019
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.02 min

Lab File: VL034262.D

Acq: 8 Oct 2019 23:51

Instrument :

MSVOA_L

ClientSampled :

IA1DL

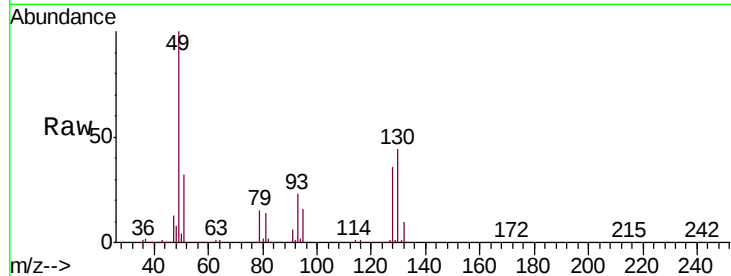
Tgt Ion: 49 Resp: 1104613

Ion Ratio Lower Upper

49 100

128 34.8 17.6 52.9

130 43.6 22.3 66.9



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

800000

600000

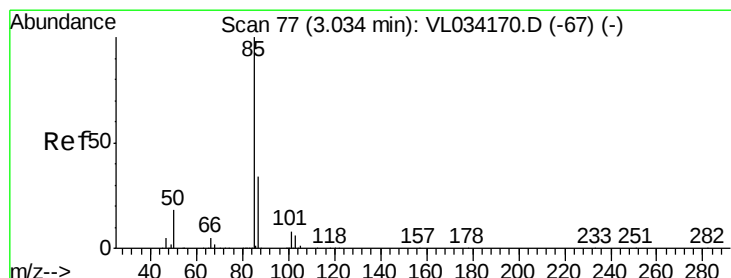
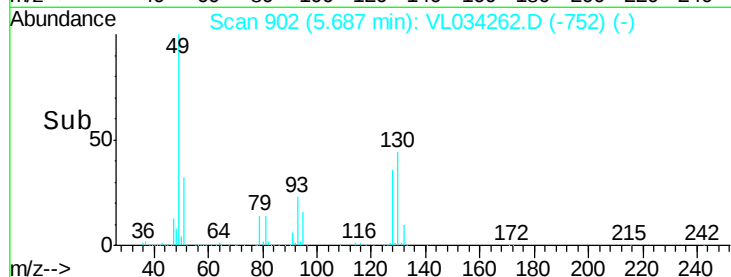
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 0.241 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL034262.D

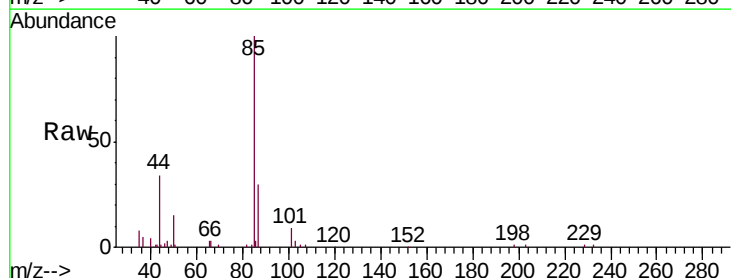
Acq: 8 Oct 2019 23:51

Tgt Ion: 85 Resp: 39342

Ion Ratio Lower Upper

85 100

87 29.9 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

40000

30000

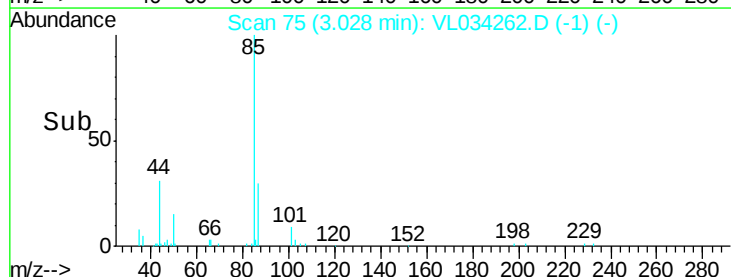
20000

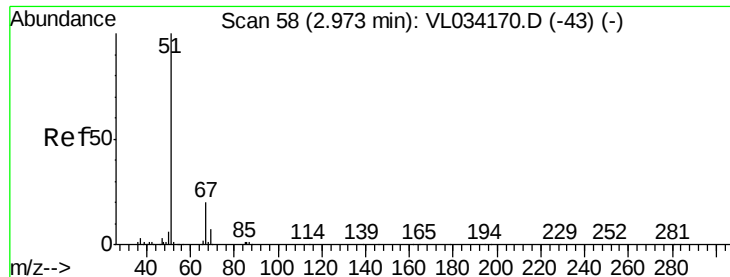
10000

0

3.00 3.05

Time-->





#3

Chlorodifluoromethane

Concen: 0.094 ppbv

RT: 2.94 min Scan# 49

Delta R.T. -0.03 min

Lab File: VL034262.D

Acq: 8 Oct 2019 23:51

Instrument :

MSVOA_L

ClientSampleId :

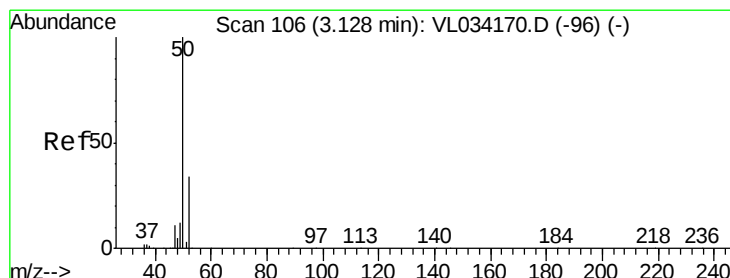
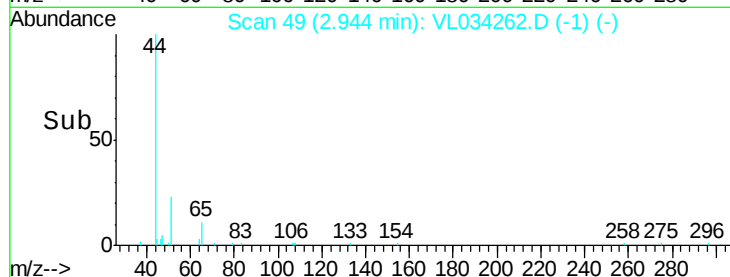
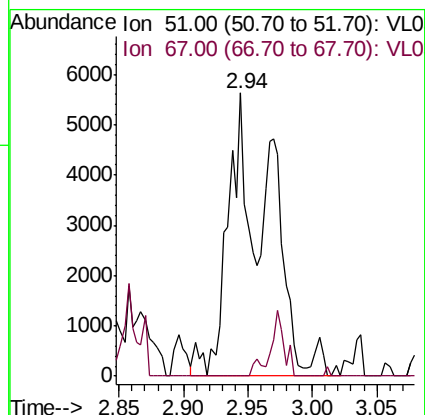
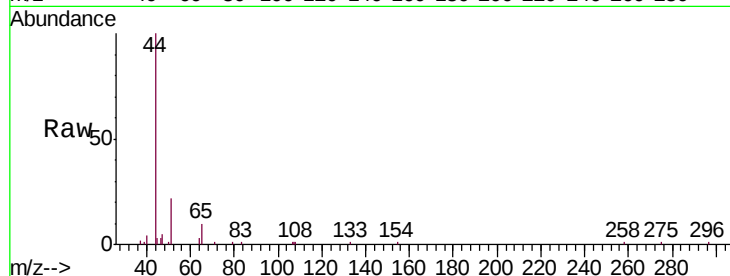
IA1DL

Tgt Ion: 51 Resp: 12138

Ion Ratio Lower Upper

51 100

67 8.3 14.8 22.2#



#4

Chloromethane

Concen: 0.032 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL034262.D

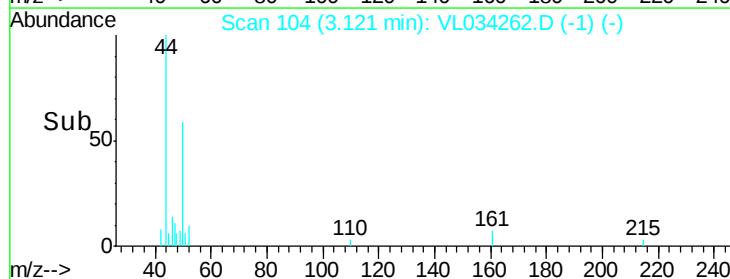
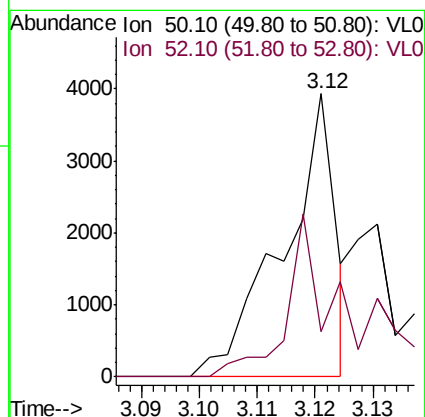
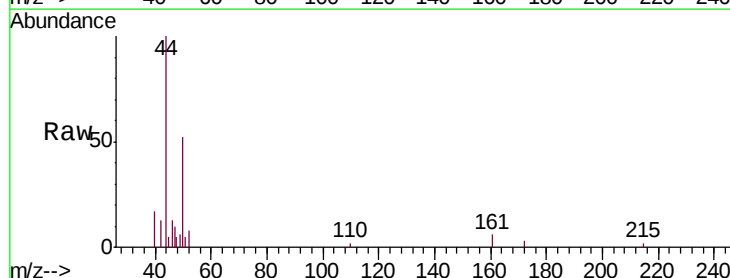
Acq: 8 Oct 2019 23:51

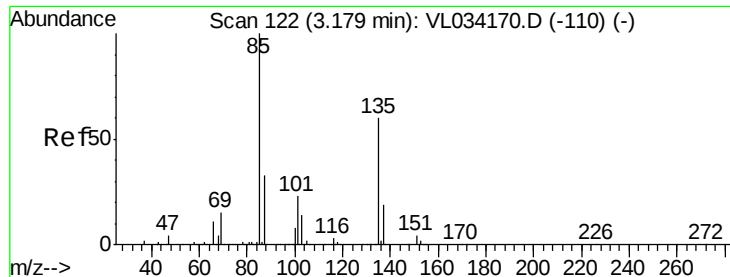
Tgt Ion: 50 Resp: 2446

Ion Ratio Lower Upper

50 100

52 16.2 27.1 40.7#





#8

Dichlorotetrafluoroethane

Concen: 0.273 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.15 min

Lab File: VL034262.D

Acq: 8 Oct 2019 23:51

Instrument :

MSVOA_L

ClientSampleId :

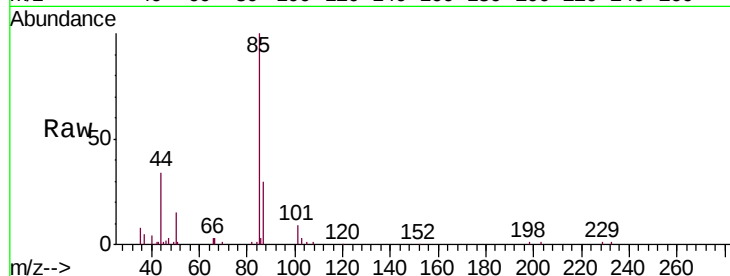
IA1DL

Tgt Ion: 85 Resp: 39342

Ion Ratio Lower Upper

85 100

135 0.2 47.3 70.9#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0

3.03

40000

30000

20000

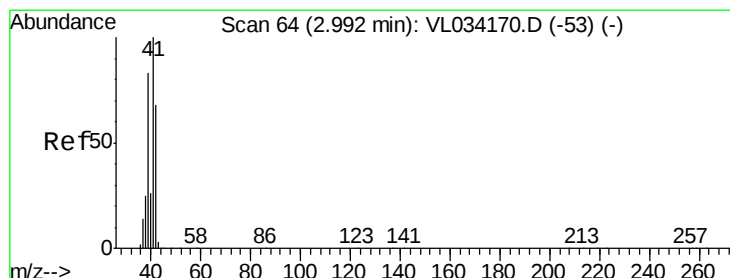
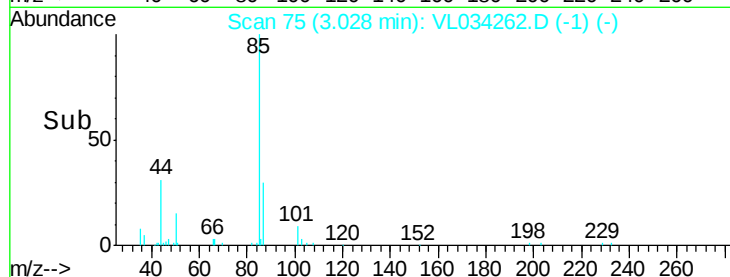
10000

0

Time-->

3.00

3.05



#9

Propene

Concen: 0.321 ppbv

RT: 3.19 min Scan# 125

Delta R.T. 0.20 min

Lab File: VL034262.D

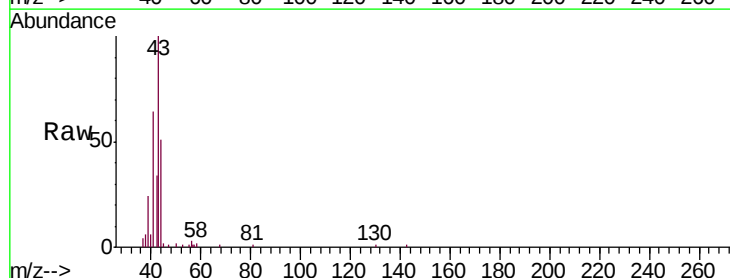
Acq: 8 Oct 2019 23:51

Tgt Ion: 41 Resp: 20543

Ion Ratio Lower Upper

41 100

42 71.6 55.8 83.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.19

20000

15000

10000

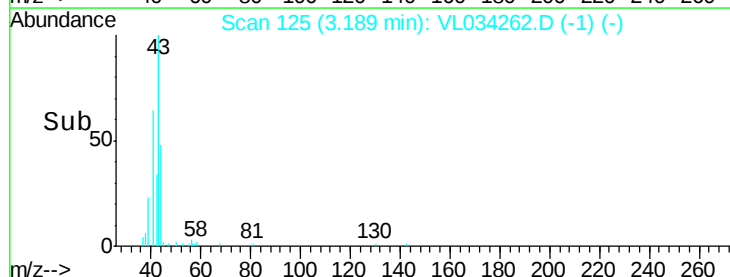
5000

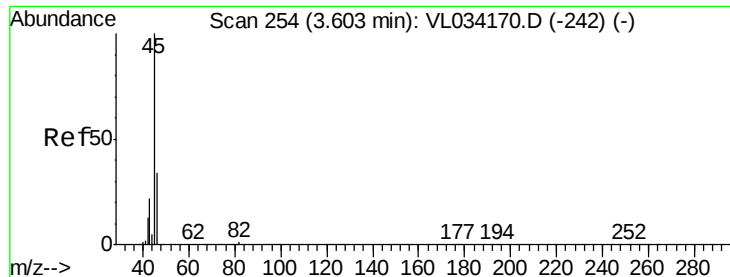
0

Time-->

3.15

3.20





#13

Ethanol

Concen: 19.507 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL034262.D

Acq: 8 Oct 2019 23:51

Instrument :

MSVOA_L

ClientSampleId :

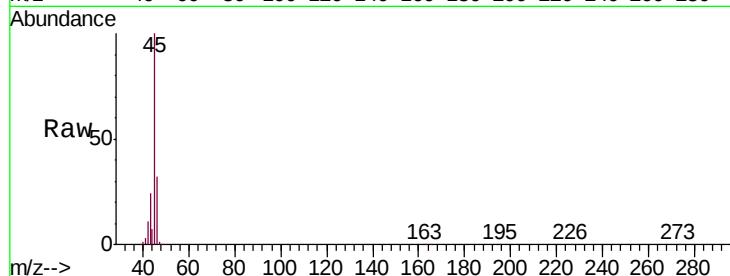
IA1DL

Tgt Ion: 45 Resp: 301831

Ion Ratio Lower Upper

45 100

46 36.0 15.5 61.9



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.59

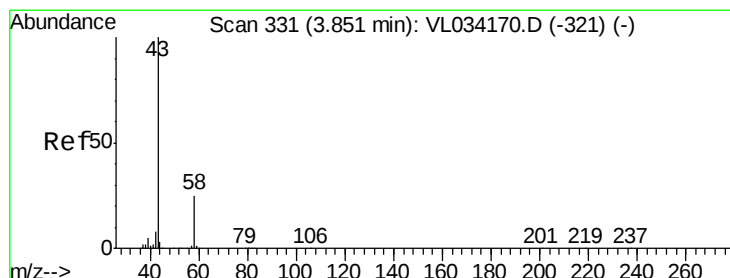
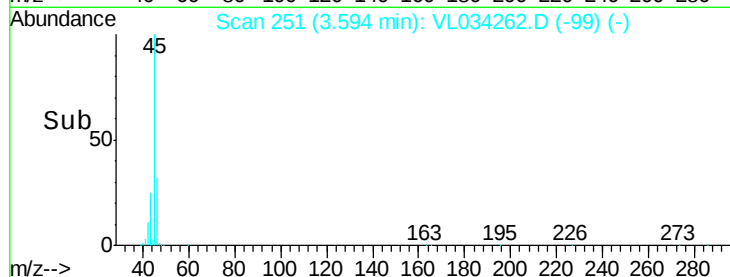
150000

100000

50000

0

Time-->



#15

Acetone

Concen: 1.317 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL034262.D

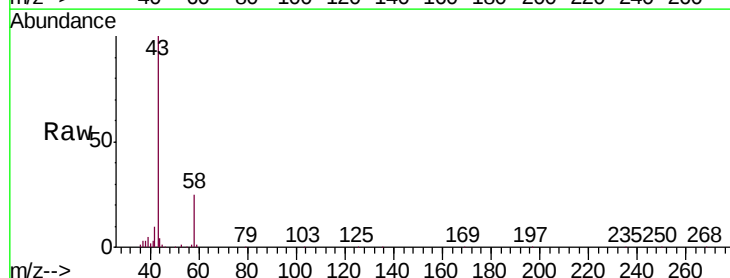
Acq: 8 Oct 2019 23:51

Tgt Ion: 43 Resp: 195000

Ion Ratio Lower Upper

43 100

58 24.9 20.5 30.7



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.85

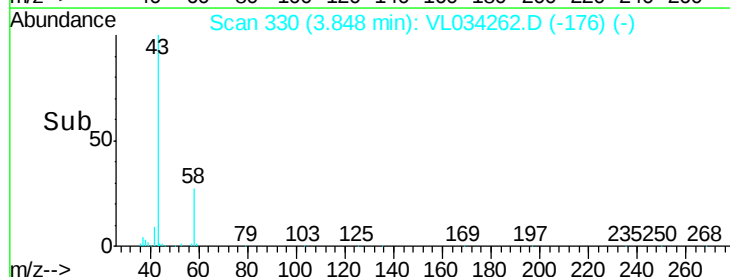
150000

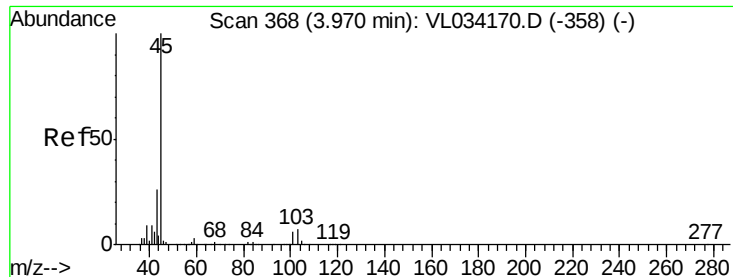
100000

50000

0

Time-->





#19

Isopropyl Alcohol

Concen: 7.815 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VL034262.D

Acq: 8 Oct 2019 23:51

Instrument :

MSVOA_L

ClientSampleId :

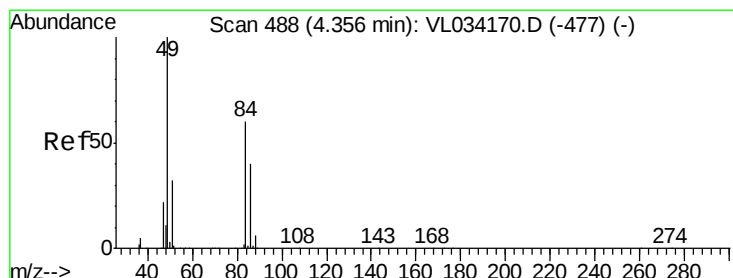
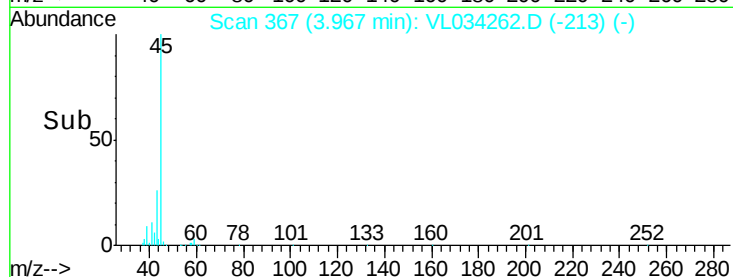
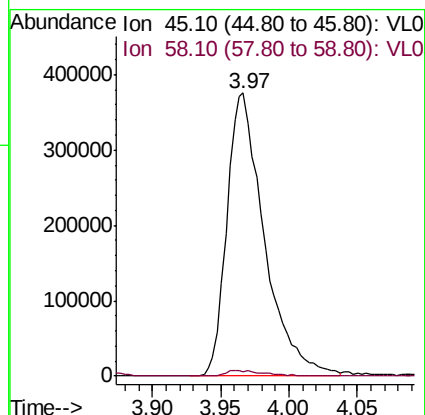
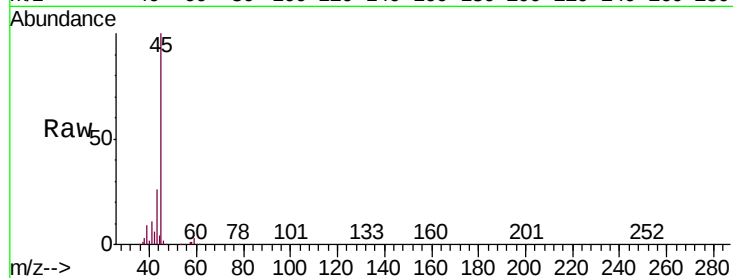
IA1DL

Tgt Ion: 45 Resp: 711487

Ion Ratio Lower Upper

45 100

58 2.3 1.4 2.0#



#20

Methylene Chloride

Concen: 0.752 ppbv

RT: 4.35 min Scan# 485

Delta R.T. -0.01 min

Lab File: VL034262.D

Acq: 8 Oct 2019 23:51

Tgt Ion: 84 Resp: 32097

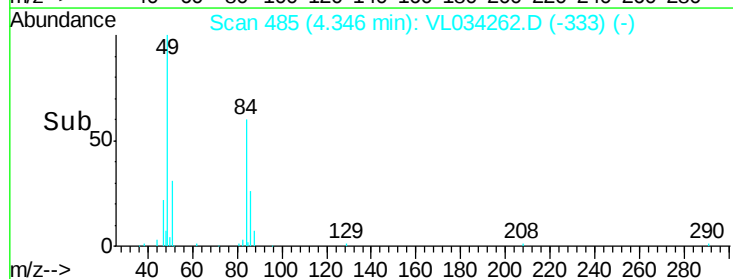
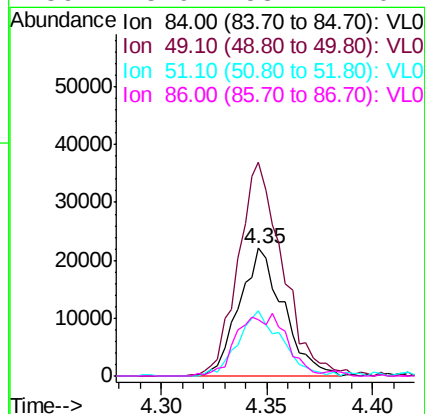
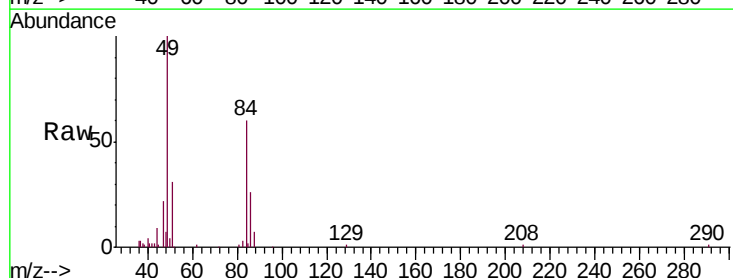
Ion Ratio Lower Upper

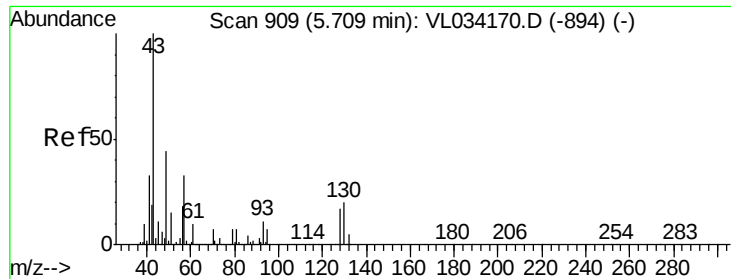
84 100

49 165.9 133.8 200.8

51 51.1 43.6 65.4

86 43.9 53.1 79.7#





#25

Ethyl Acetate

Concen: 0.118 ppbv

RT: 5.70 min Scan# 907

Delta R.T. -0.01 min

Lab File: VL034262.D

Acq: 8 Oct 2019 23:51

Instrument :

MSVOA_L

ClientSampleId :

IA1DL

Tgt Ion: 43 Resp: 33103

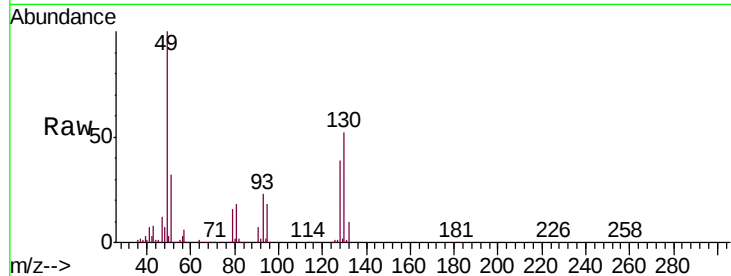
Ion Ratio Lower Upper

43 100

45 9.3 8.4 12.6

61 4.5 7.2 10.8#

70 4.1 5.3 7.9#

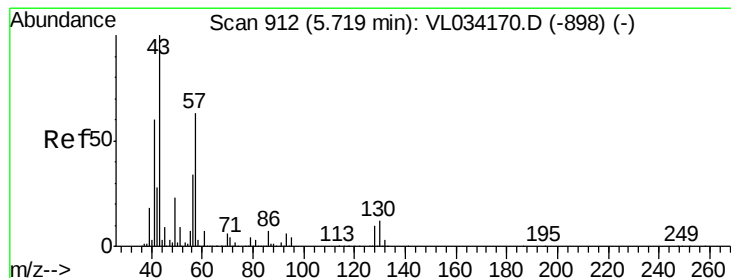
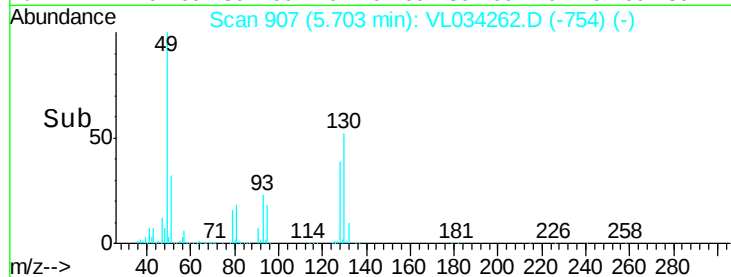
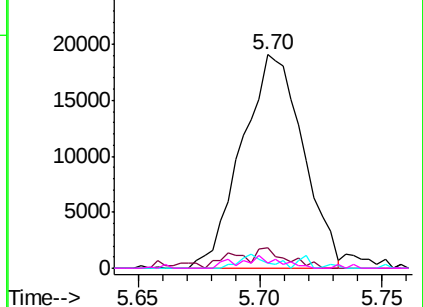


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 0.117 ppbv

RT: 5.70 min Scan# 907

Delta R.T. -0.02 min

Lab File: VL034262.D

Acq: 8 Oct 2019 23:51

Tgt Ion: 57 Resp: 13571

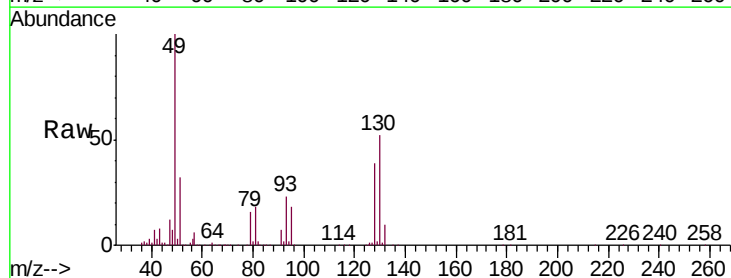
Ion Ratio Lower Upper

57 100

41 217.3 78.5 117.7#

43 251.7 189.5 284.3

56 0.0 43.2 64.8#

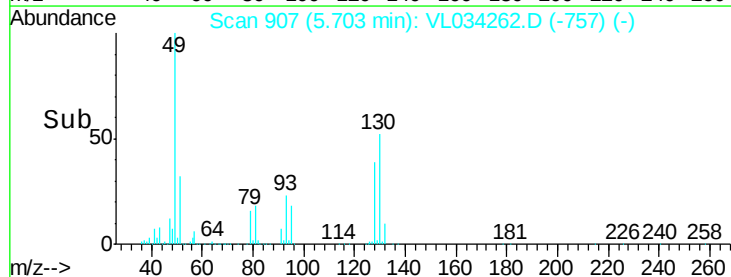
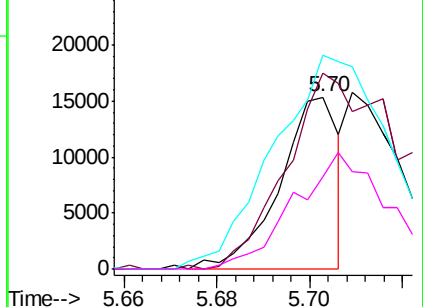


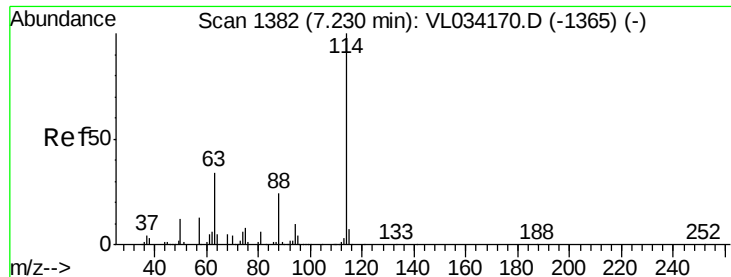
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

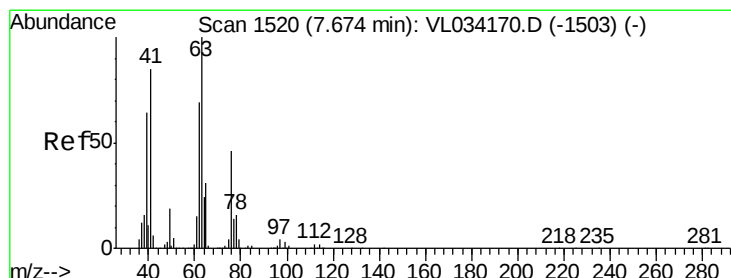
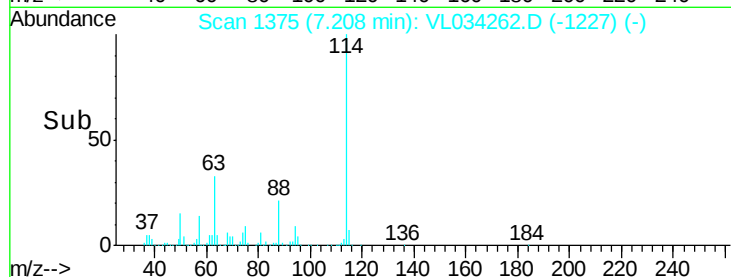
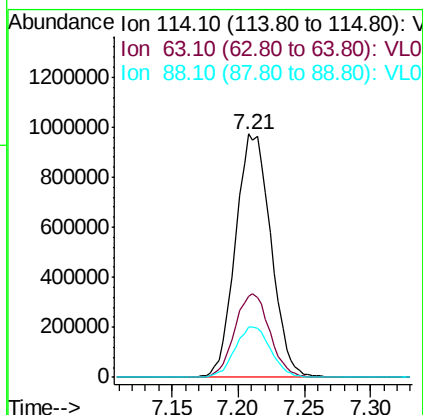
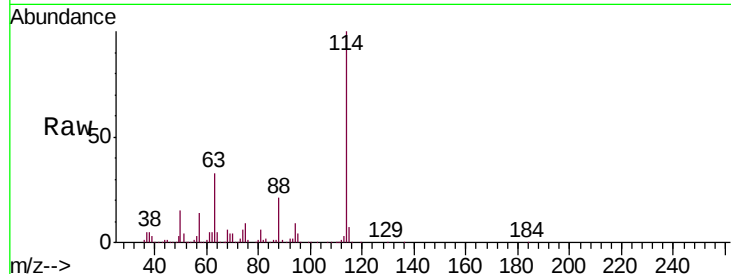




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1375
 Delta R.T. -0.02 min
 Lab File: VL034262.D
 Acq: 8 Oct 2019 23:51

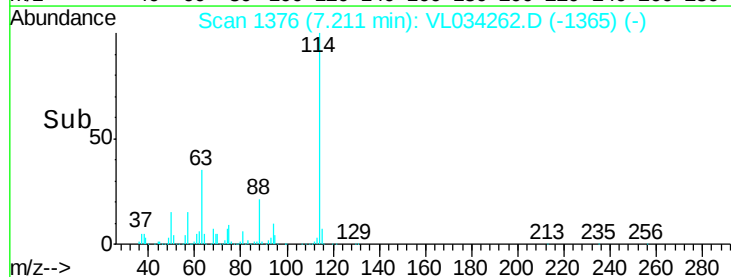
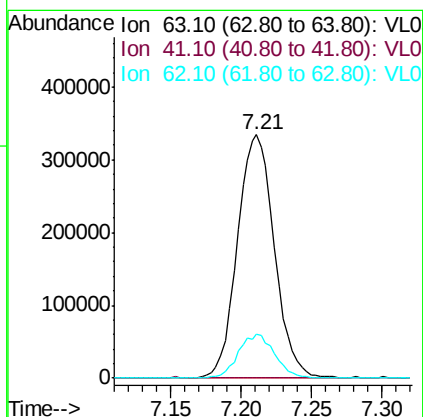
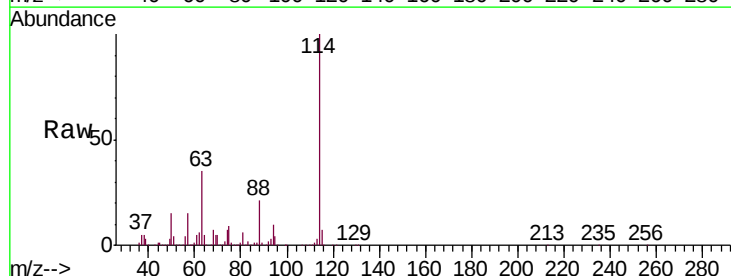
Instrument :
 MSVOA_L
 ClientSampleId :
 IA1DL

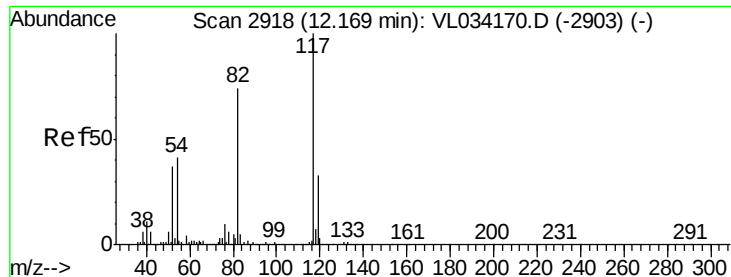
Tgt Ion: 114 Resp: 1803017
 Ion Ratio Lower Upper
 114 100
 63 34.1 27.8 41.6
 88 21.0 17.1 25.7



#39
 1,2-Dichloropropane
 Concen: 6.847 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.46 min
 Lab File: VL034262.D
 Acq: 8 Oct 2019 23:51

Tgt Ion: 63 Resp: 612574
 Ion Ratio Lower Upper
 63 100
 41 0.0 68.4 102.6#
 62 18.0 55.4 83.2#

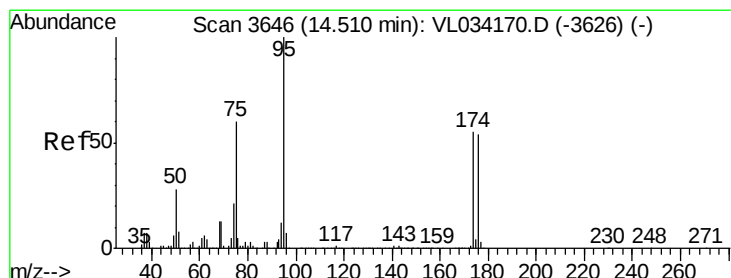
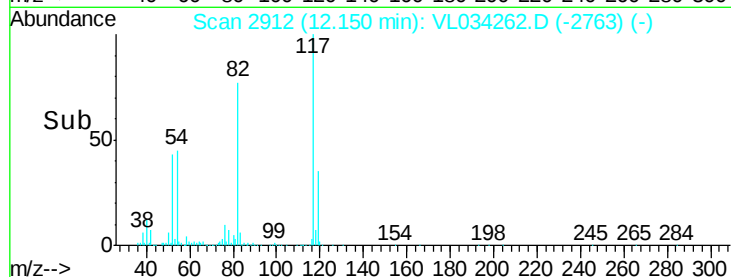
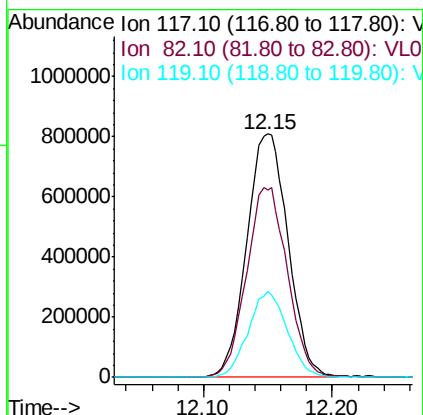
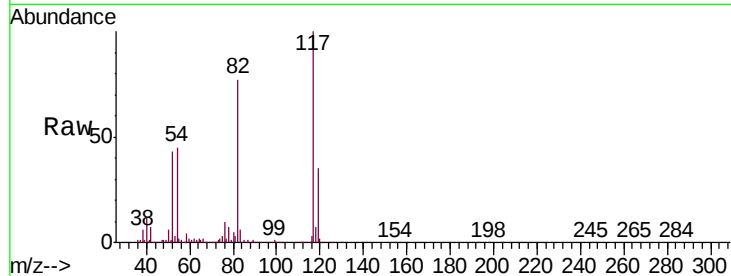




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.15 min Scan# 2912
 Delta R.T. -0.02 min
 Lab File: VL034262.D
 Acq: 8 Oct 2019 23:51

Instrument :
 MSVOA_L
 ClientSampled :
 IA1DL

Tgt Ion:117 Resp: 1804995
 Ion Ratio Lower Upper
 117 100
 82 77.4 58.2 87.4
 119 33.7 23.7 35.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.334 ppbv
 RT: 14.49 min Scan# 3639
 Delta R.T. -0.02 min
 Lab File: VL034262.D
 Acq: 8 Oct 2019 23:51

Tgt Ion: 95 Resp: 1620797
 Ion Ratio Lower Upper
 95 100
 174 54.1 45.1 67.7
 175 4.0 3.3 4.9

