

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072120\
 Data File : VL035218.D
 Acq On : 21 Jul 2020 19:17
 Operator : SY/AP
 Sample : L3290-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BASEMENT-CAFETERIADL

Quant Time: Jul 22 00:49:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1109934	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2633401	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2429463	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1978324	10.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

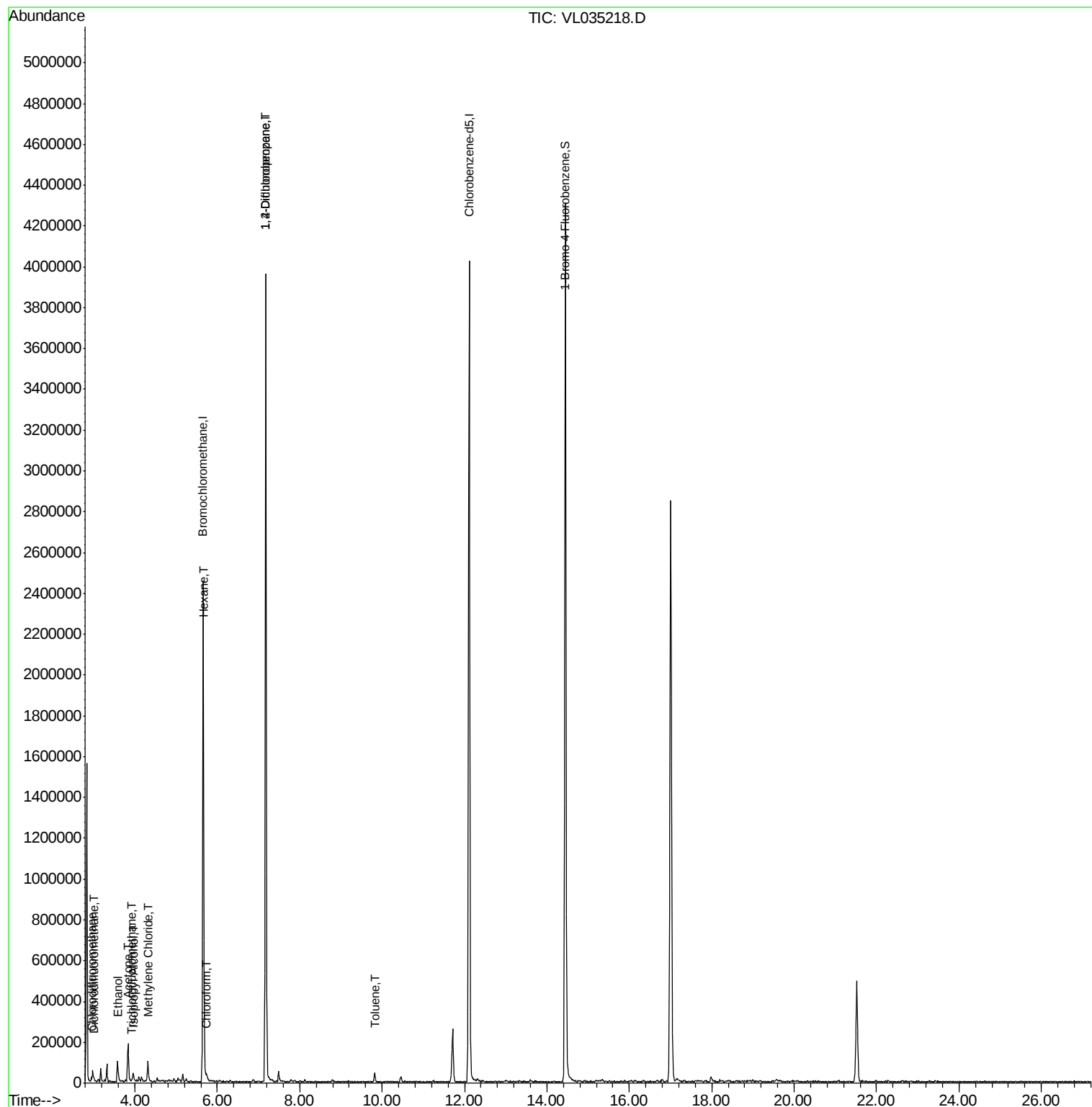
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	8844	0.057	ppbv	95
3) Chlorodifluoromethane	2.95	51	23238	0.190	ppbv #	91
11) Trichlorofluoromethane	3.92	101	5371	0.031	ppbv #	72
13) Ethanol	3.57	45	47770	3.238	ppbv #	35
15) Acetone	3.83	43	166443	1.108	ppbv	98
19) Isopropyl Alcohol	3.96	45	33972	0.375	ppbv #	87
20) Methylene Chloride	4.32	84	30992	0.474	ppbv	96
26) Hexane	5.67	57	14269	0.139	ppbv #	43
29) Chloroform	5.74	83	13486	0.078	ppbv #	71
39) 1,2-Dichloropropane	7.17	63	709647	9.363	ppbv #	21
53) Toluene	9.82	91	7855	0.039	ppbv #	1

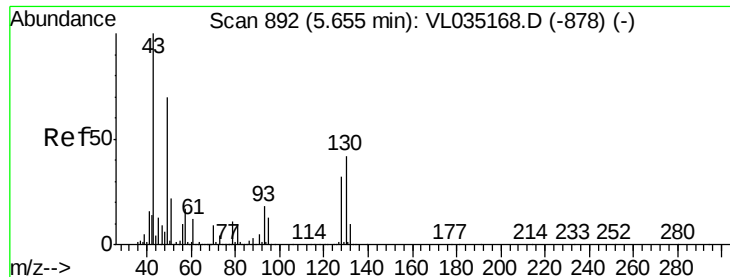
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
QLast Update : Wed Jul 08 07:05:23 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.00 min

Lab File: VL035218.D

Acq: 21 Jul 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

BASEMENT-CAFETERIADL

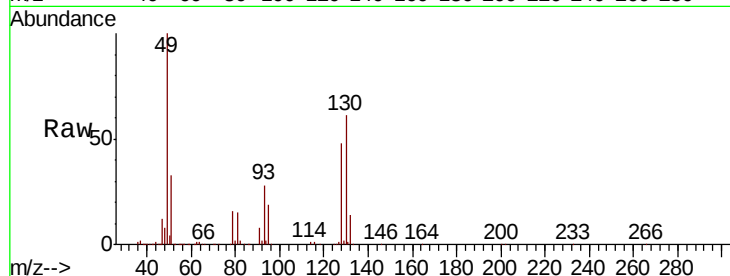
Tot Ion: 49 Resp: 1109934

Ion Ratio Lower Upper

49 100

128 48.6 23.8 71.4

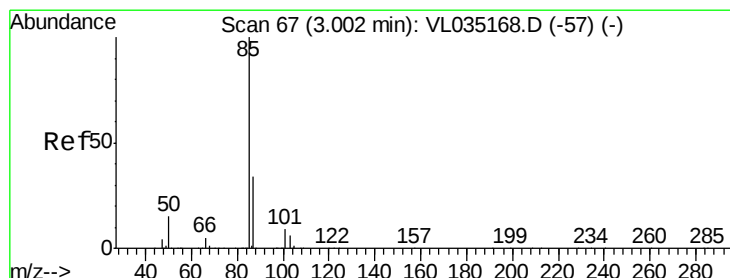
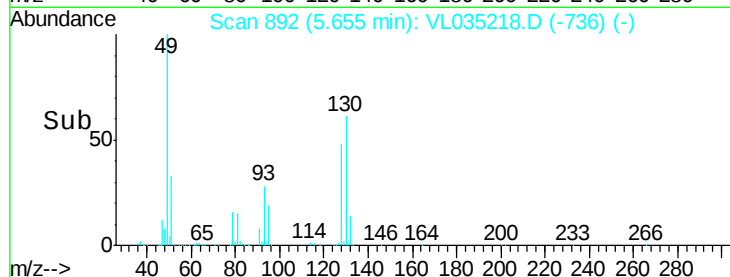
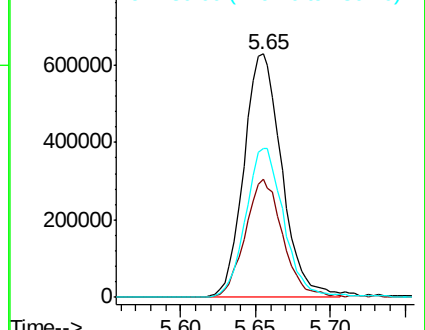
130 62.3 29.9 89.8



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



#2

Dichlorodifluoromethane

Concen: 0.057 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL035218.D

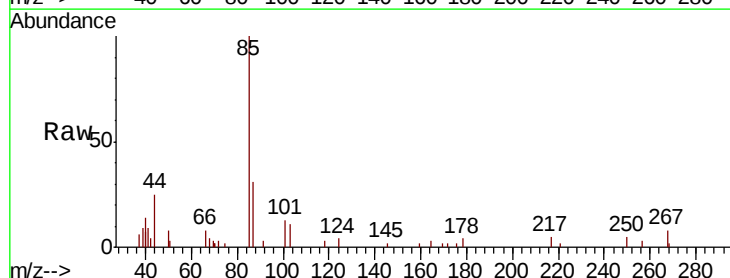
Acq: 21 Jul 2020 19:17

Tgt Ion: 85 Resp: 8844

Ion Ratio Lower Upper

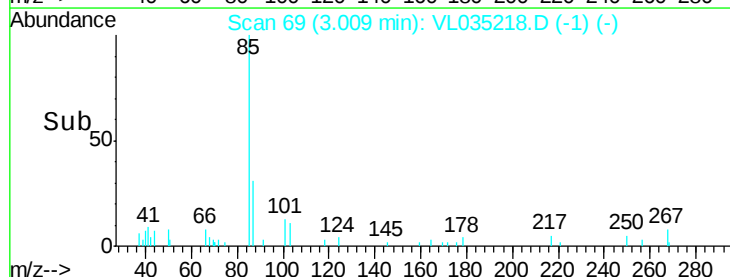
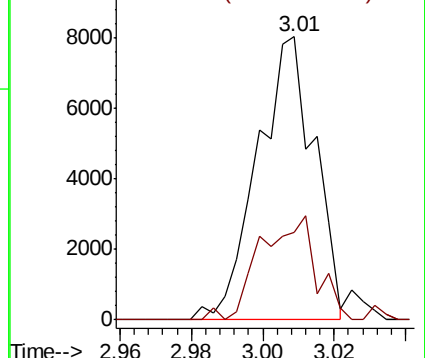
85 100

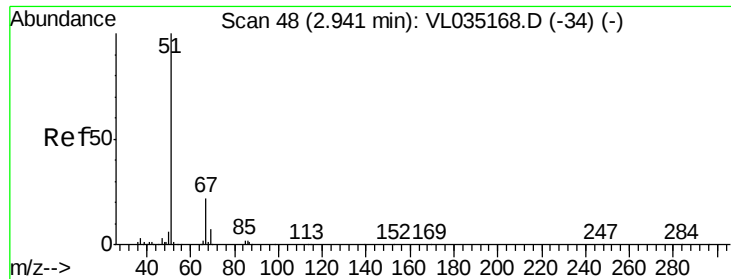
87 31.0 27.0 40.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

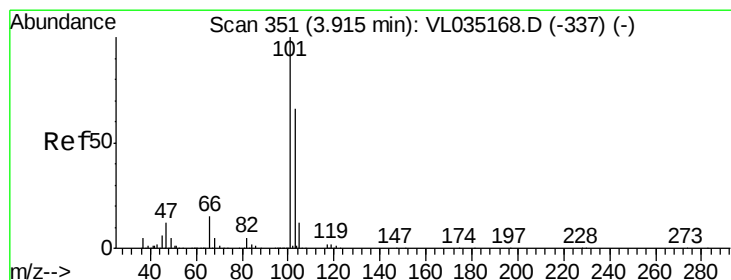
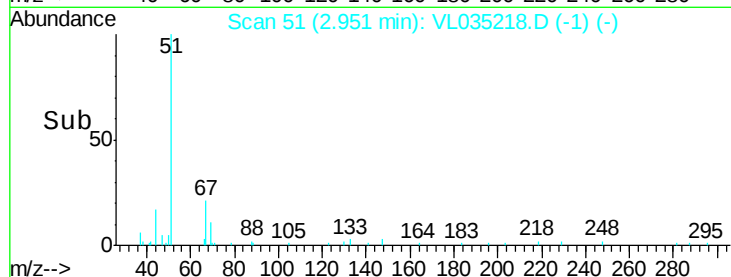
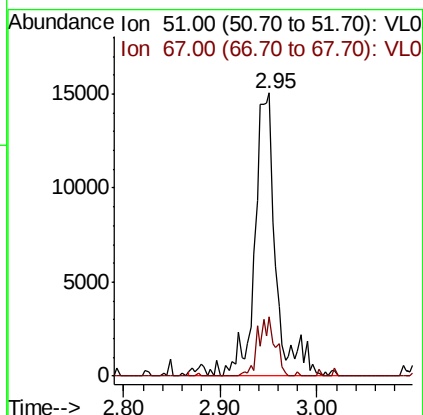
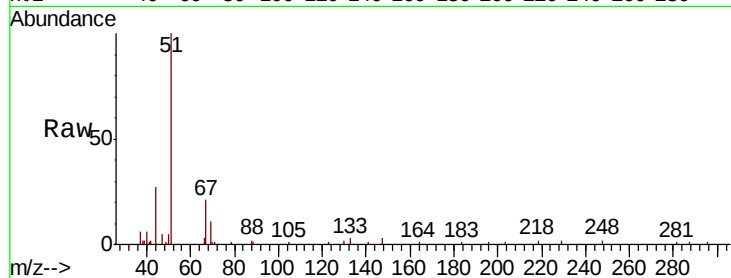




#3
 Chlorodifluoromethane
 Concen: 0.190 ppbv
 RT: 2.95 min Scan# 51
 Delta R.T. 0.01 min
 Lab File: VL035218.D
 Acq: 21 Jul 2020 19:17

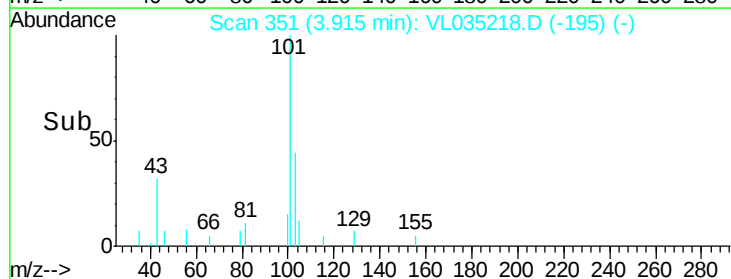
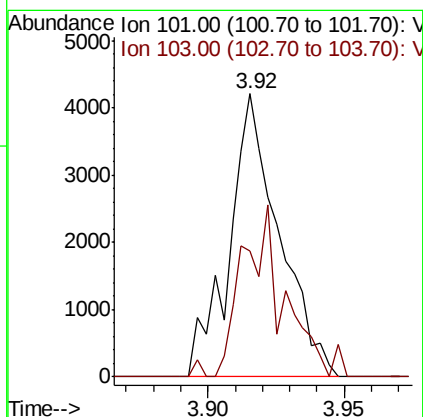
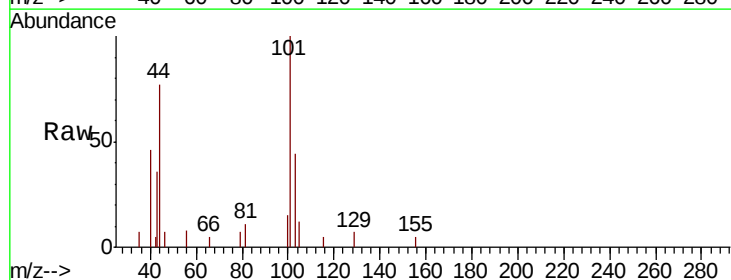
Instrument :
 MSVOA_L
 ClientSampleId :
 BASEMENT-CAFETERIADL

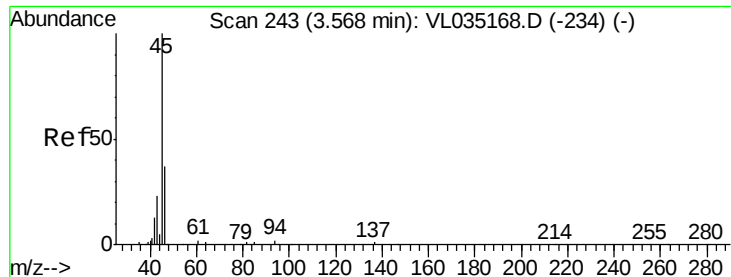
Tot Ion: 51 Resp: 23238
 Ion Ratio Lower Upper
 51 100
 67 16.6 16.6 24.8#



#11
 Trichlorofluoromethane
 Concen: 0.031 ppbv
 RT: 3.92 min Scan# 351
 Delta R.T. 0.00 min
 Lab File: VL035218.D
 Acq: 21 Jul 2020 19:17

Tgt Ion: 101 Resp: 5371
 Ion Ratio Lower Upper
 101 100
 103 44.4 53.1 79.7#





#13

Ethanol

Concen: 3.238 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.01 min

Lab File: VL035218.D

Acq: 21 Jul 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

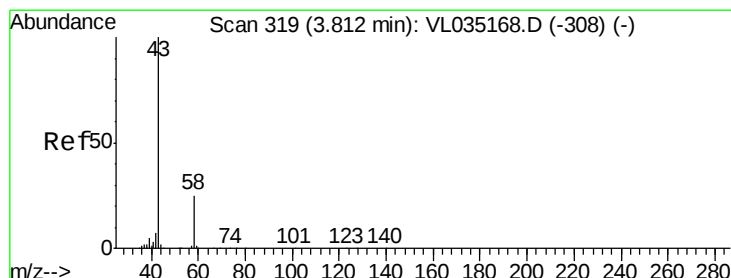
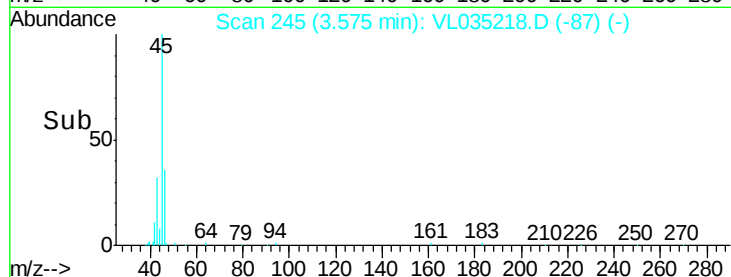
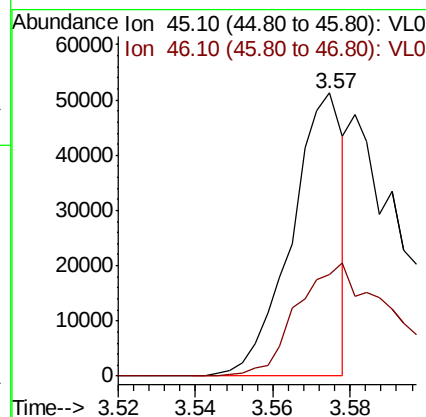
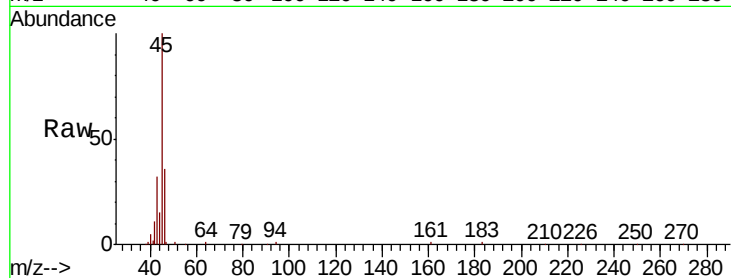
BASEMENT-CAFETERIADL

Tot Ion: 45 Resp: 47770

Ion Ratio Lower Upper

45 100

46 0.0 16.2 65.0#



#15

Acetone

Concen: 1.108 ppbv

RT: 3.83 min Scan# 323

Delta R.T. 0.01 min

Lab File: VL035218.D

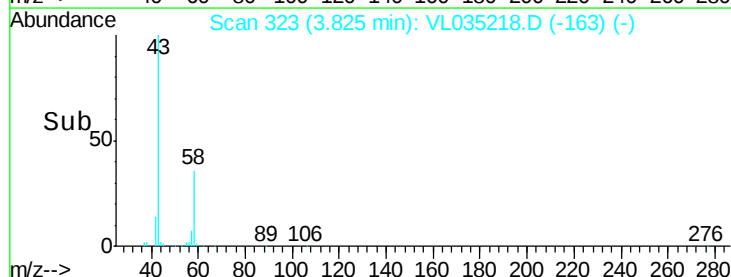
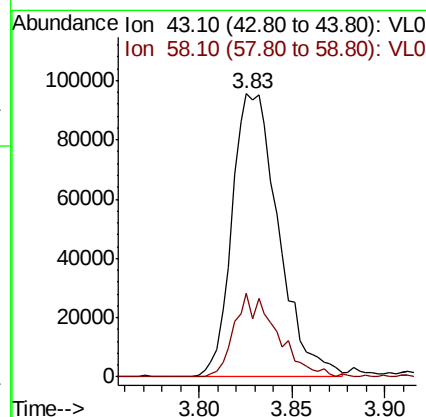
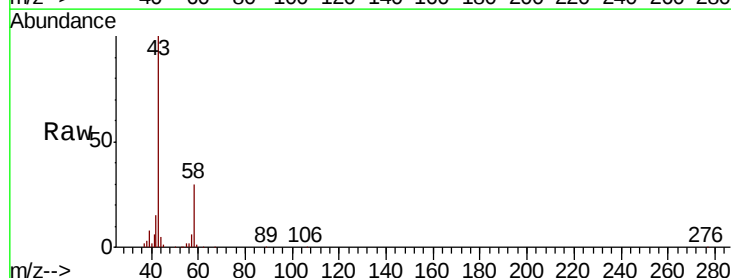
Acq: 21 Jul 2020 19:17

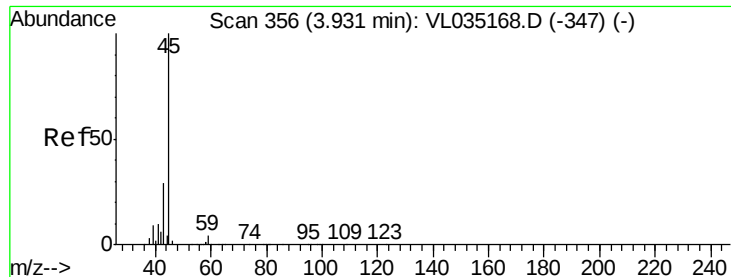
Tgt Ion: 43 Resp: 166443

Ion Ratio Lower Upper

43 100

58 27.4 21.3 31.9





#19

Isopropyl Alcohol

Concen: 0.375 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.03 min

Lab File: VL035218.D

Acq: 21 Jul 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

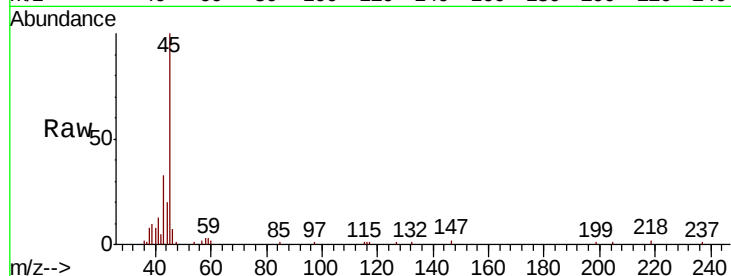
BASEMENT-CAFETERIADL

Tot Ion: 45 Resp: 33972

Ion Ratio Lower Upper

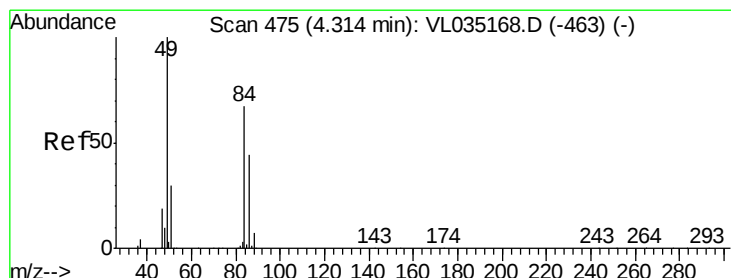
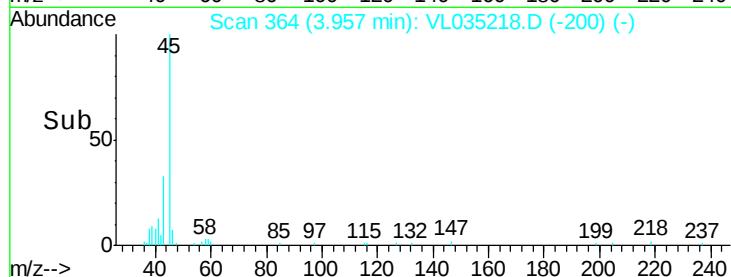
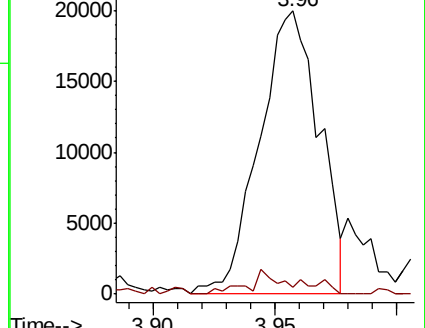
45 100

58 7.1 2.1 3.1#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.474 ppbv

RT: 4.32 min Scan# 477

Delta R.T. 0.01 min

Lab File: VL035218.D

Acq: 21 Jul 2020 19:17

Tgt Ion: 84 Resp: 30992

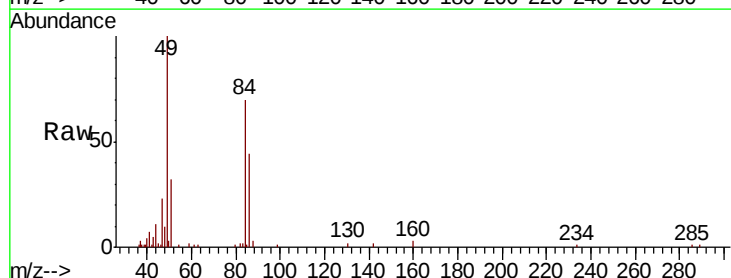
Ion Ratio Lower Upper

84 100

49 143.6 119.4 179.0

51 44.0 36.6 55.0

86 61.9 52.5 78.7

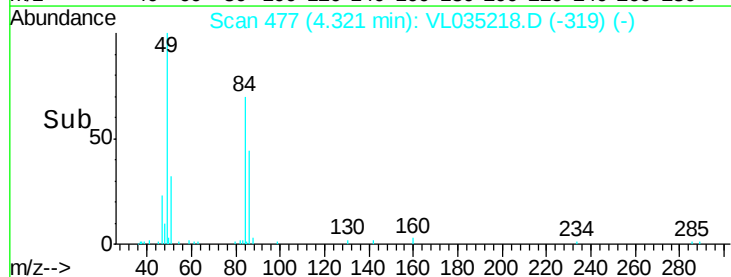
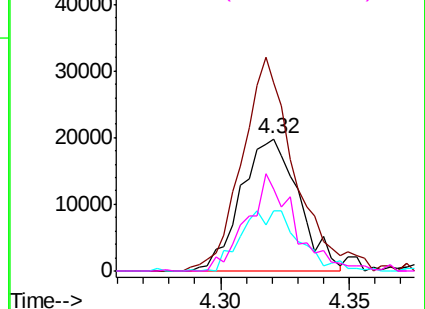


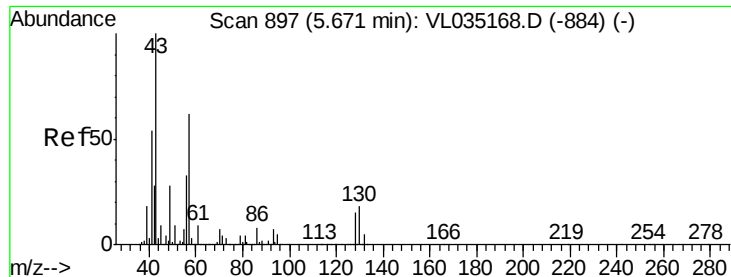
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#26

Hexane

Concen: 0.139 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL035218.D

Acq: 21 Jul 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

BASEMENT-CAFETERIADL

Tot Ion: 57 Resp: 14269

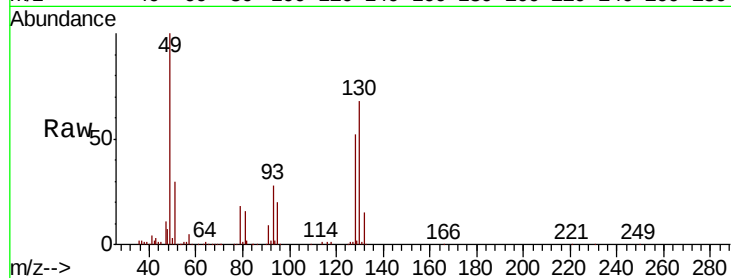
Ion	Ratio	Lower	Upper
57	100		
41	110.4	72.9	109.3#
43	98.1	179.5	269.3#
56	76.4	42.9	64.3#

57 100

41 110.4 72.9 109.3#

43 98.1 179.5 269.3#

56 76.4 42.9 64.3#

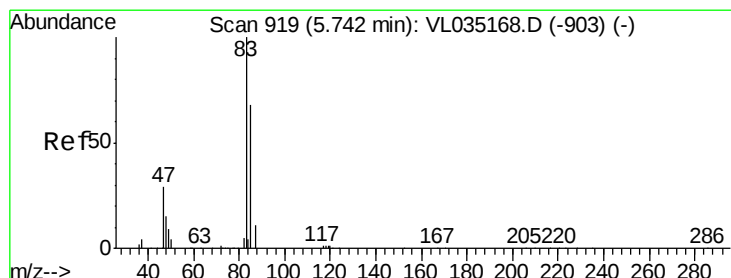
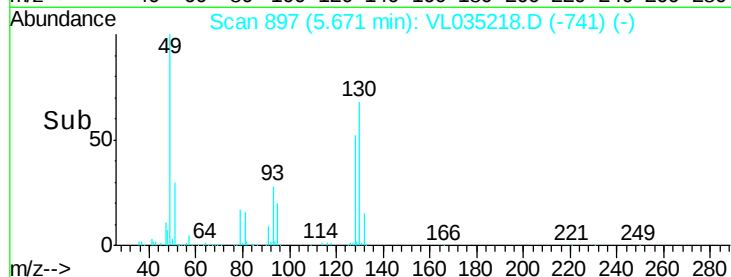
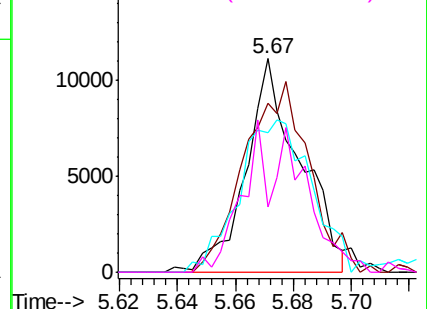


Abundance Ion 57.10 (56.80 to 57.80): VL0

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



#29

Chloroform

Concen: 0.078 ppbv

RT: 5.74 min Scan# 918

Delta R.T. -0.00 min

Lab File: VL035218.D

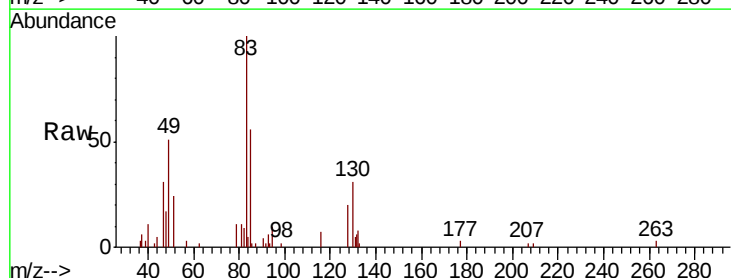
Acq: 21 Jul 2020 19:17

Tgt Ion: 83 Resp: 13486

Ion	Ratio	Lower	Upper
83	100		
85	44.3	54.3	81.5#

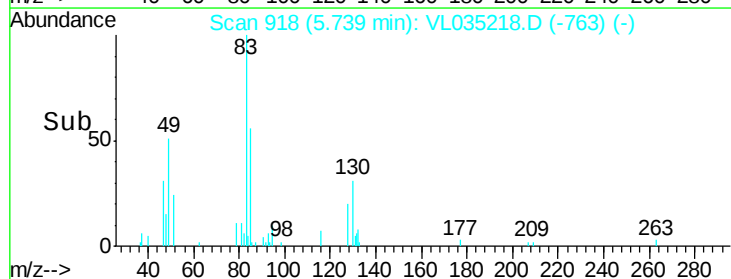
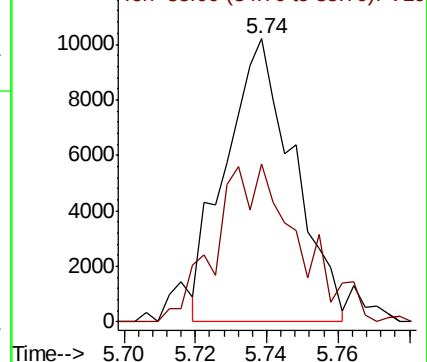
83 100

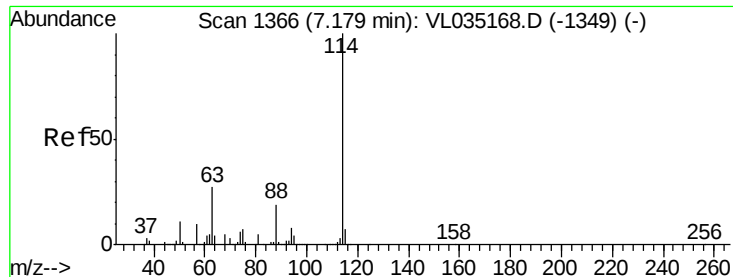
85 44.3 54.3 81.5#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

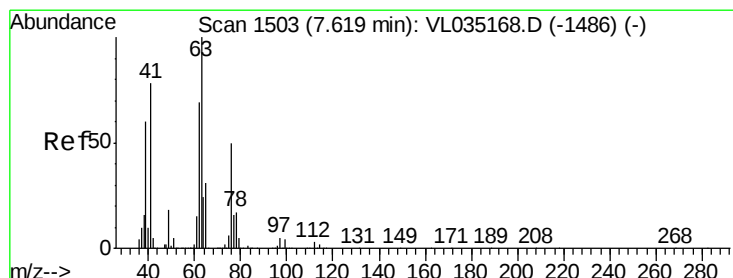
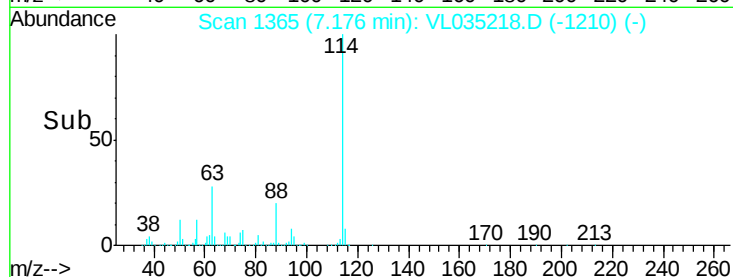
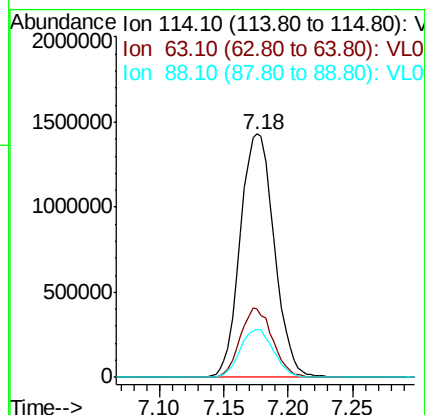
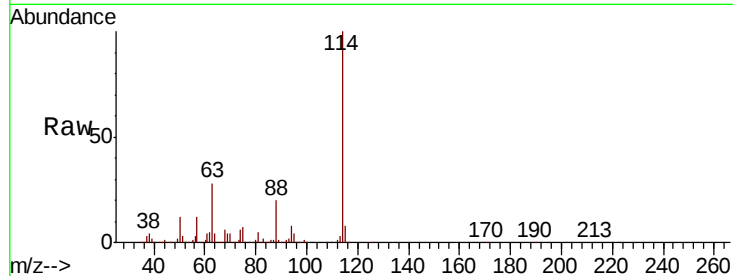




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL035218.D
 Acq: 21 Jul 2020 19:17

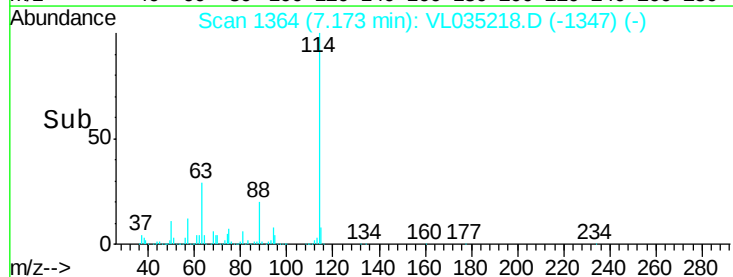
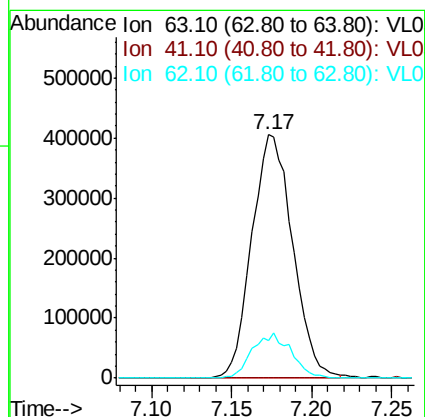
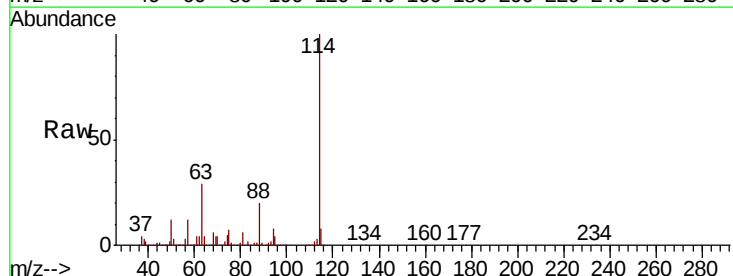
Instrument :
 MSVOA_L
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 BASEMENT-CAFETERIADL

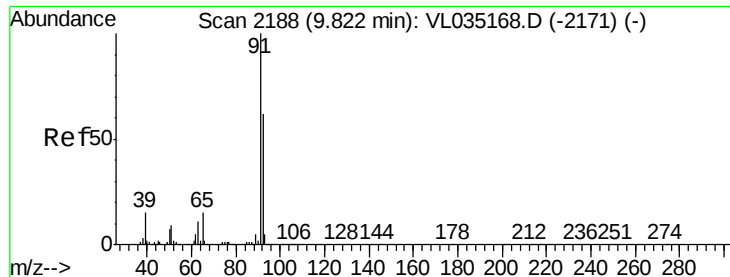
Tot Ion:114 Resp: 2633401
 Ion Ratio Lower Upper
 114 100
 63 27.1 22.0 33.0
 88 19.4 15.4 23.0



#39
 1,2-Dichloropropane
 Concen: 9.363 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.45 min
 Lab File: VL035218.D
 Acq: 21 Jul 2020 19:17

Tgt Ion: 63 Resp: 709647
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.6 94.0#
 62 15.3 55.0 82.6#





#53

Toluene

Concen: 0.039 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.00 min

Lab File: VL035218.D

Acq: 21 Jul 2020 19:17

Instrument :

MSVOA_L

ClientSampleId :

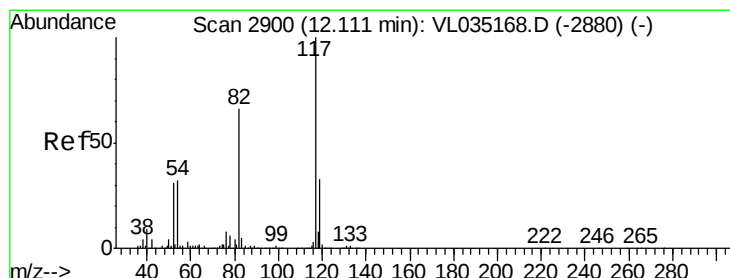
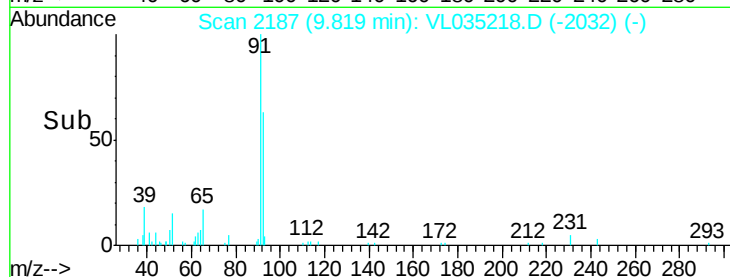
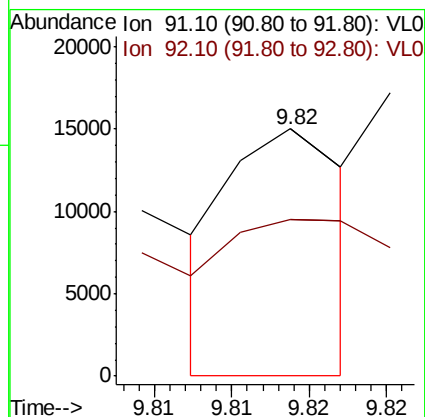
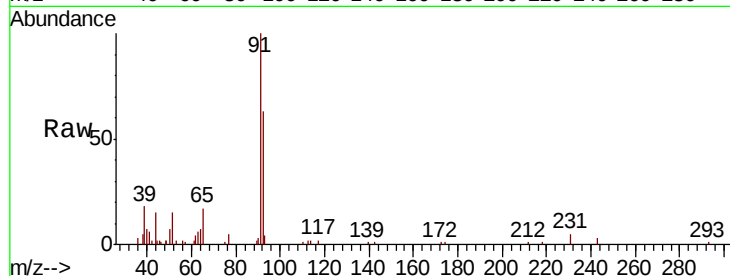
BASEMENT-CAFETERIADL

Tot Ion: 91 Resp: 7855

Ion Ratio Lower Upper

91 100

92 243.3 48.4 72.6#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.00 min

Lab File: VL035218.D

Acq: 21 Jul 2020 19:17

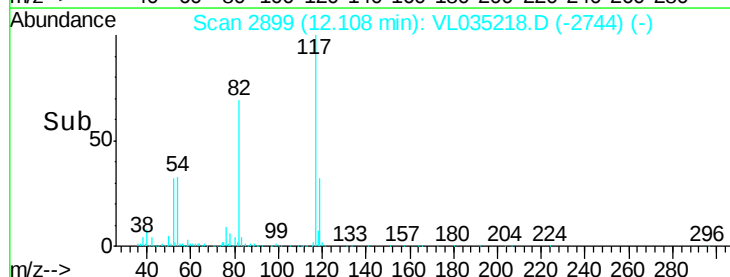
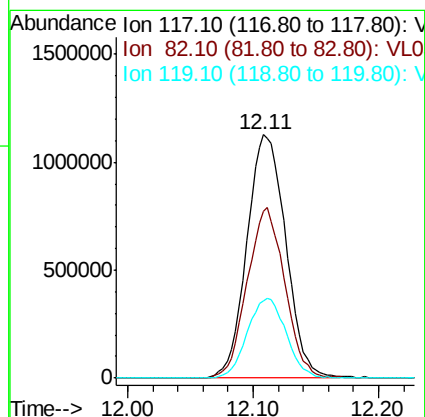
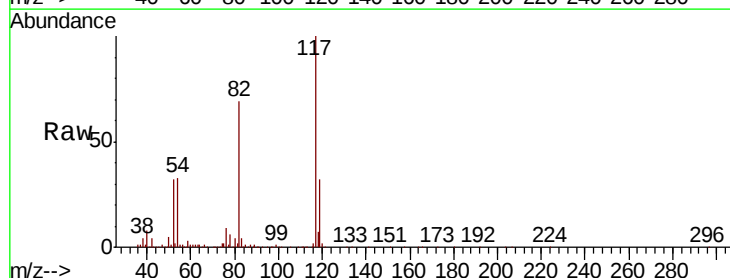
Tgt Ion: 117 Resp: 2429463

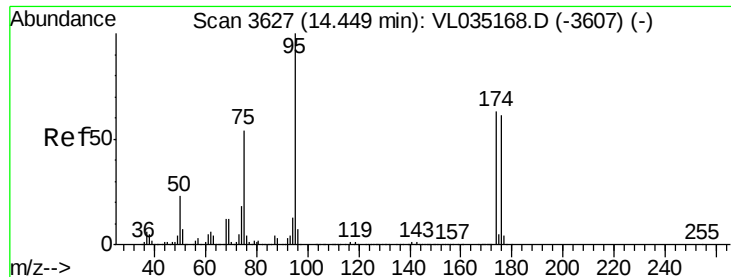
Ion Ratio Lower Upper

117 100

82 67.9 52.3 78.5

119 33.0 24.9 37.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.024 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. 0.00 min
 Lab File: VL035218.D
 Acq: 21 Jul 2020 19:17

Instrument :
 MSVOA_L
 ClientSampleId :
 BASEMENT-CAFETERIADL

Tot Ion: 95 Resp: 1978324
 Ion Ratio Lower Upper
 95 100
 174 64.9 52.2 78.2
 175 4.7 4.0 6.0

