

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051920\
 Data File : VL035069.D
 Acq On : 20 May 2020 7:18
 Operator : SY/AP
 Sample : L2712-01DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 20 08:14:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1149329	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2679822	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.10	117	2548678	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2153880	10.44	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.40%

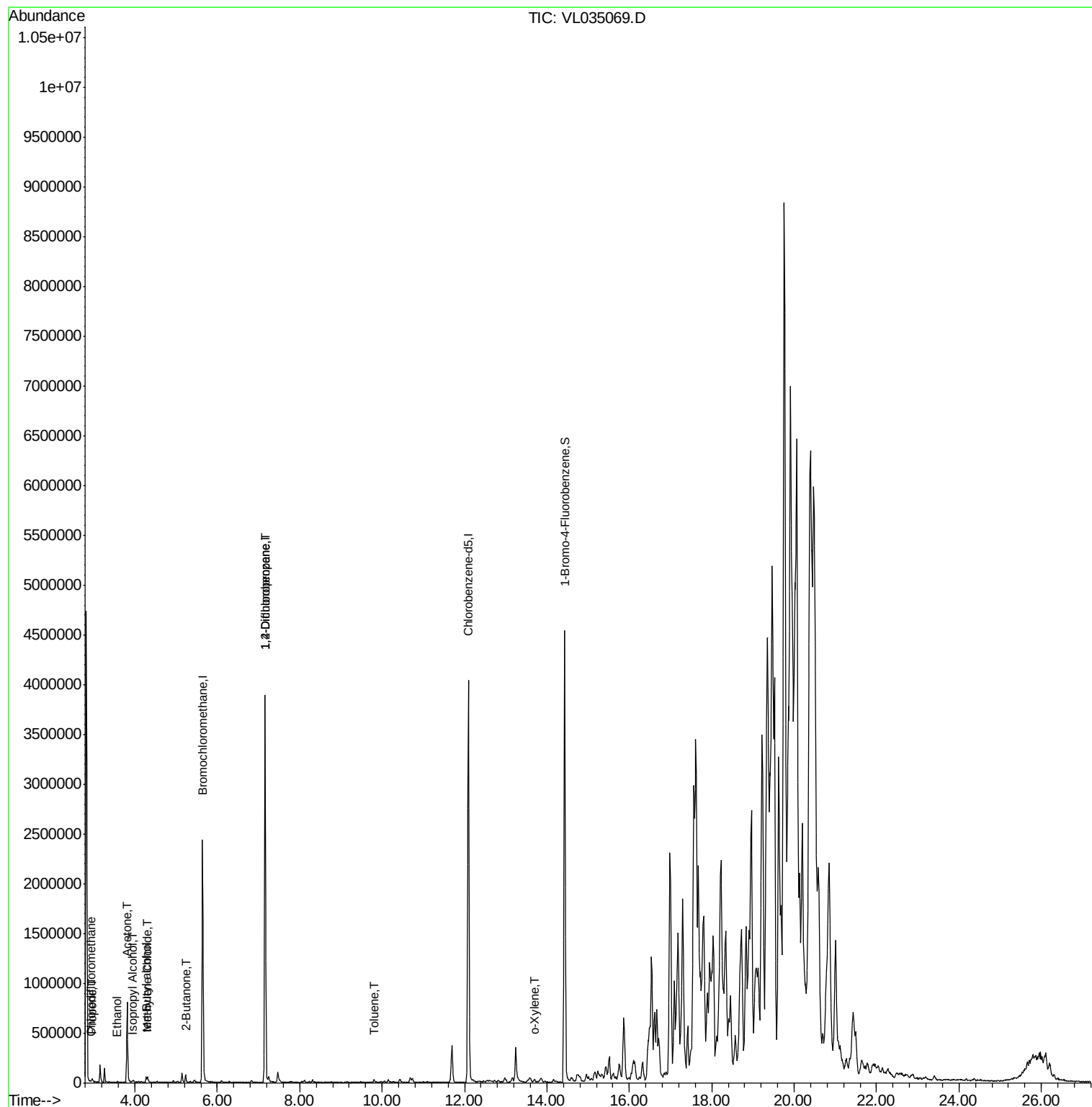
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.93	51	6714	0.051	ppbv	96
9) Propene	2.96	41	5402	0.095	ppbv #	9
13) Ethanol	3.56	45	1273	0.068	ppbv #	39
15) Acetone	3.81	43	831122	5.470	ppbv	95
17) tert-Butyl alcohol	4.27	59	36450	0.270	ppbv #	90
19) Isopropyl Alcohol	3.94	45	11075	0.109	ppbv #	94
20) Methylene Chloride	4.31	84	14655	0.291	ppbv #	69
34) 2-Butanone	5.23	43	76489	0.459	ppbv	99
39) 1,2-Dichloropropane	7.16	63	719469	8.123	ppbv #	26
53) Toluene	9.79	91	10156	0.043	ppbv #	20
60) o-Xylene	13.70	91	8268	0.030	ppbv #	32

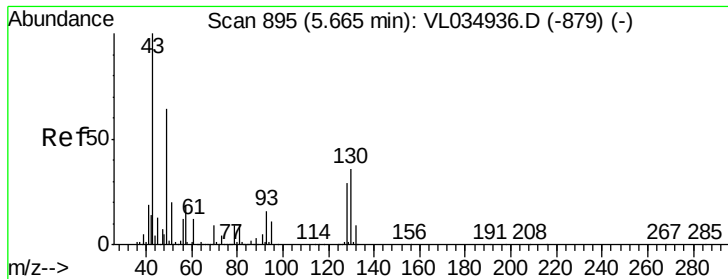
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
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QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.02 min

Lab File: VL035069.D

Acq: 20 May 2020 7:18

Instrument :

MSVOA_L

ClientSampleId :

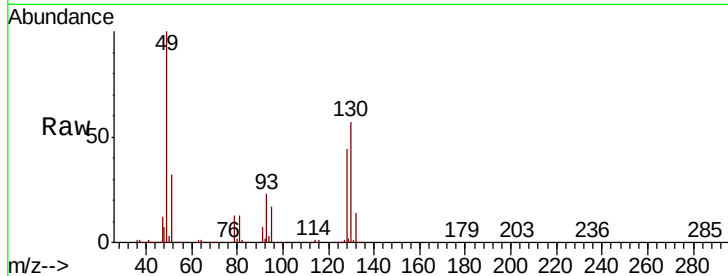
Tot Ion: 49 Resp: 1149329

Ion Ratio Lower Upper

49 100

128 45.8 22.1 66.5

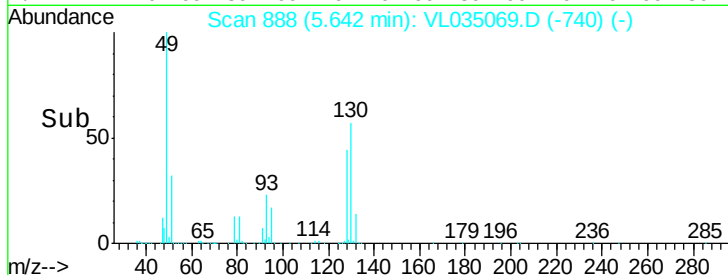
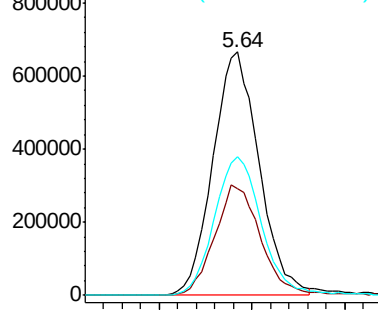
130 58.4 29.1 87.3



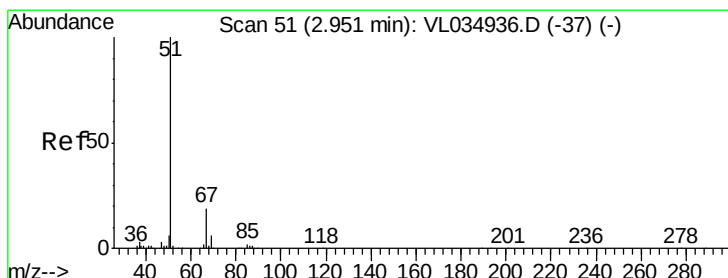
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



Time-->



#3

Chlorodifluoromethane

Concen: 0.051 ppbv

RT: 2.93 min Scan# 45

Delta R.T. -0.02 min

Lab File: VL035069.D

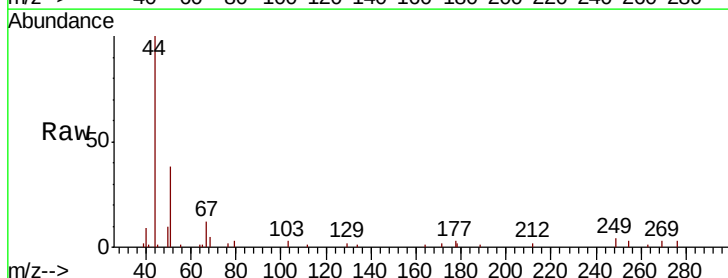
Acq: 20 May 2020 7:18

Tgt Ion: 51 Resp: 6714

Ion Ratio Lower Upper

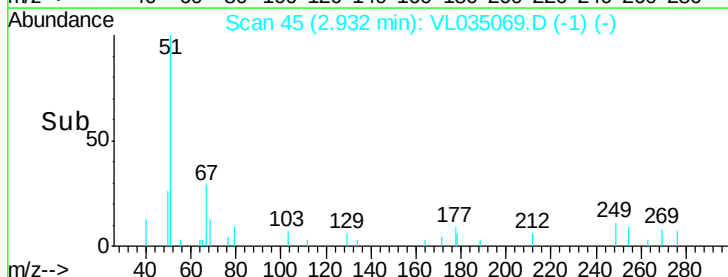
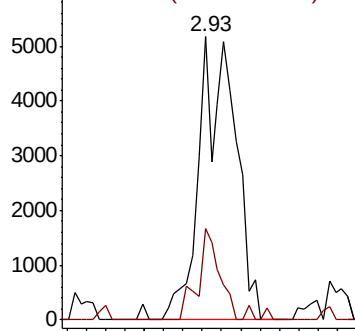
51 100

67 20.7 15.0 22.6

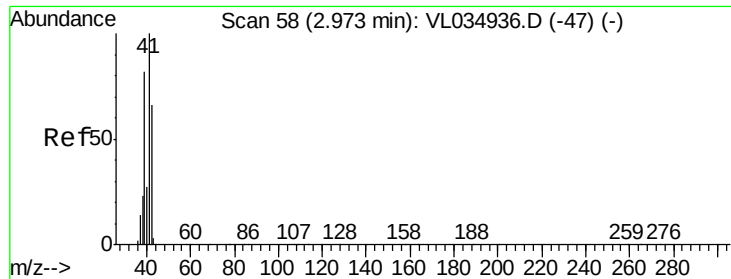


Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



Time-->



#9

Propene

Concen: 0.095 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.01 min

Lab File: VL035069.D

Acq: 20 May 2020 7:18

Instrument :

MSVOA_L

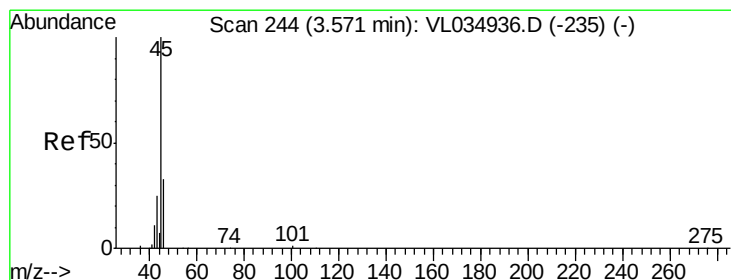
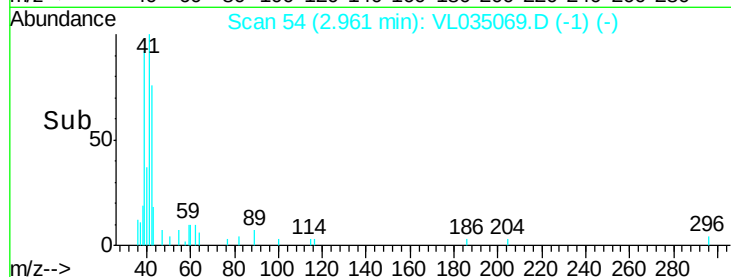
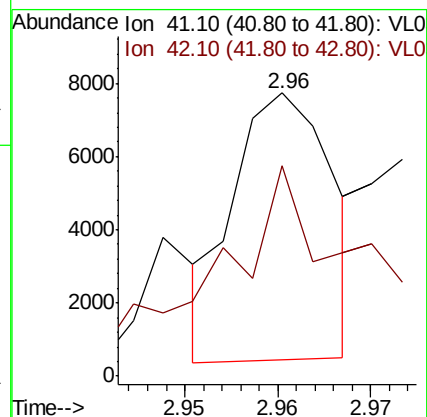
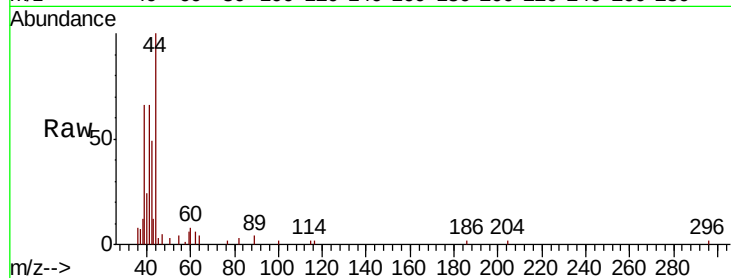
ClientSampleId :

Tot Ion: 41 Resp: 5402

Ion Ratio Lower Upper

41 100

42 141.9 54.5 81.7#



#13

Ethanol

Concen: 0.068 ppbv

RT: 3.56 min Scan# 241

Delta R.T. -0.01 min

Lab File: VL035069.D

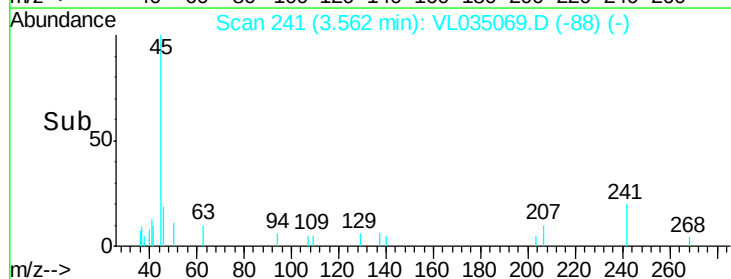
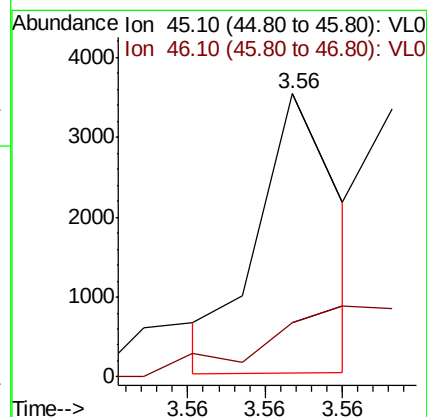
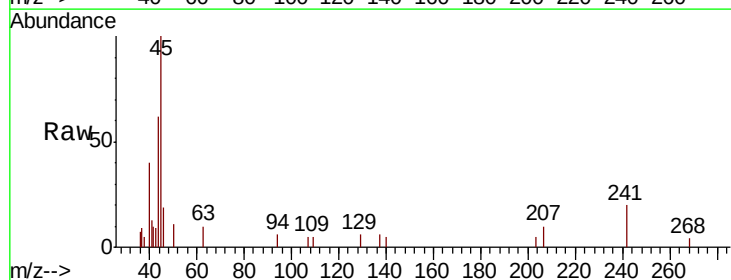
Acq: 20 May 2020 7:18

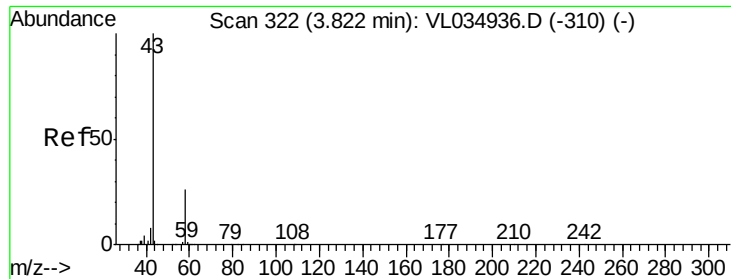
Tgt Ion: 45 Resp: 1273

Ion Ratio Lower Upper

45 100

46 0.0 14.3 57.3#





#15

Acetone

Concen: 5.470 ppbv

RT: 3.81 min Scan# 319

Delta R.T. -0.01 min

Lab File: VL035069.D

Acq: 20 May 2020 7:18

Instrument :

MSVOA_L

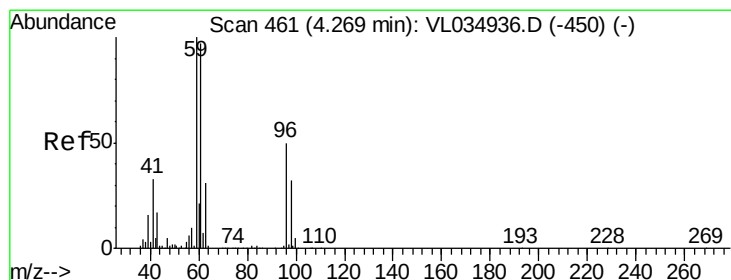
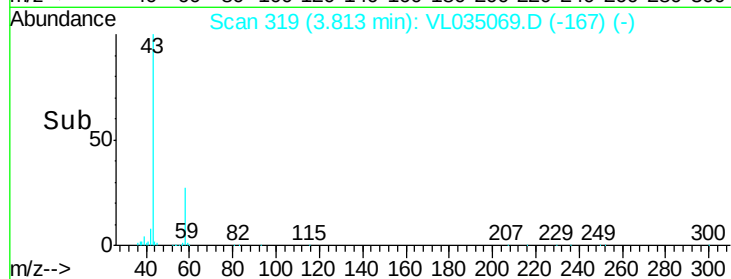
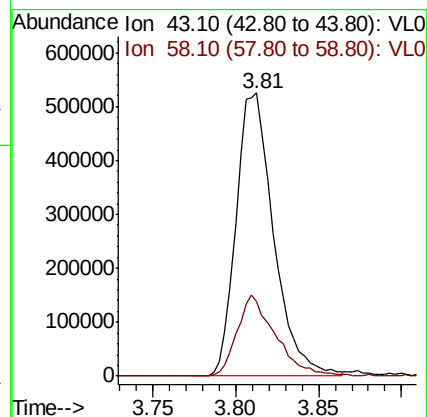
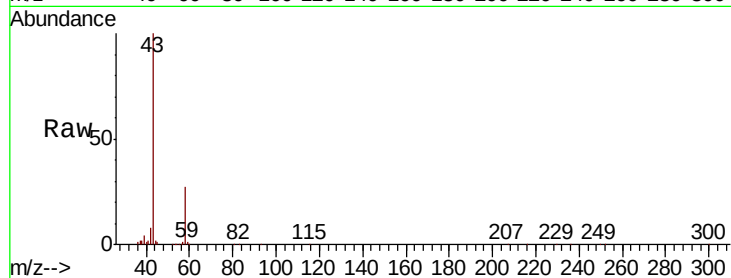
ClientSampleId :

Tot Ion: 43 Resp: 831122

Ion Ratio Lower Upper

43 100

58 29.7 21.7 32.5



#17

tert-Butyl alcohol

Concen: 0.270 ppbv

RT: 4.27 min Scan# 462

Delta R.T. 0.00 min

Lab File: VL035069.D

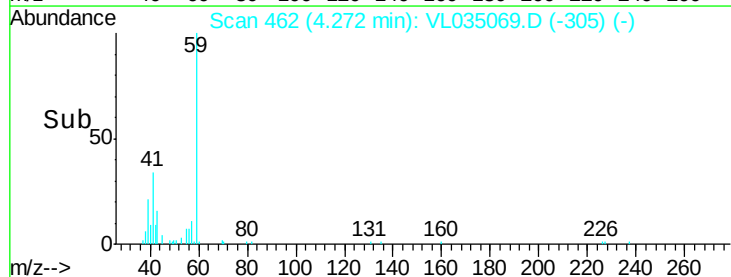
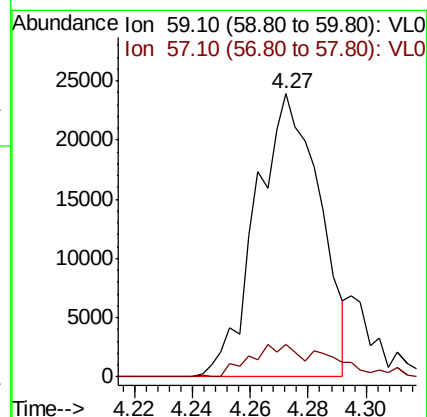
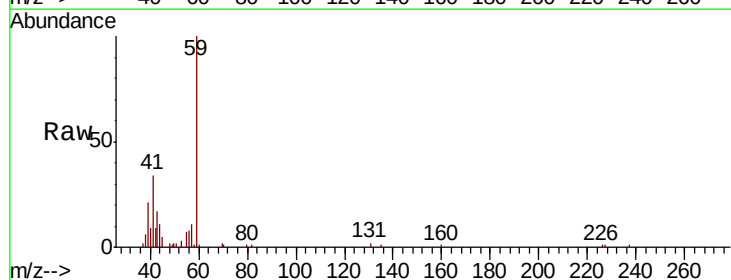
Acq: 20 May 2020 7:18

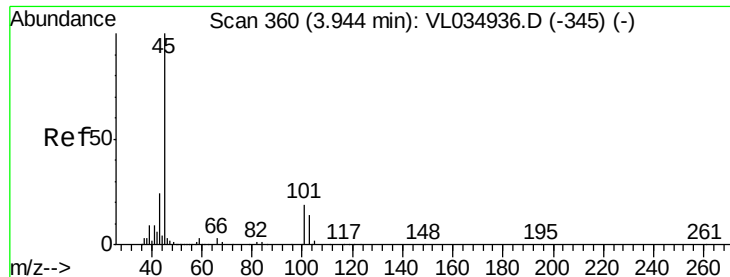
Tgt Ion: 59 Resp: 36450

Ion Ratio Lower Upper

59 100

57 14.6 8.7 13.1#



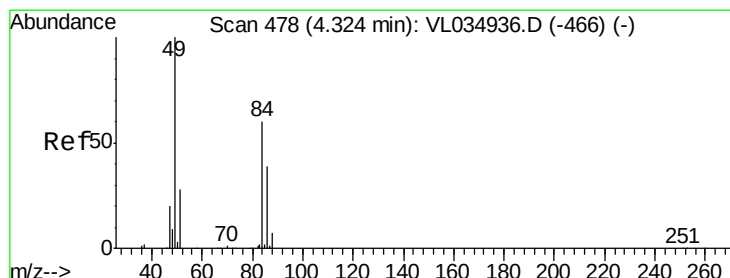
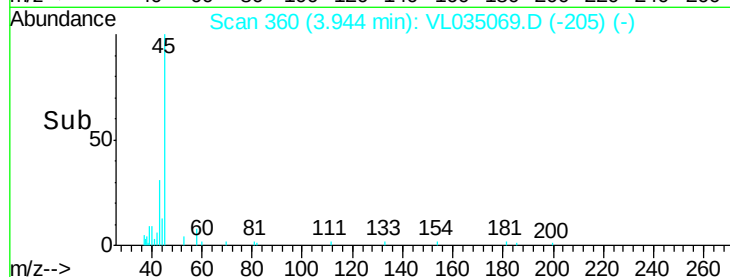
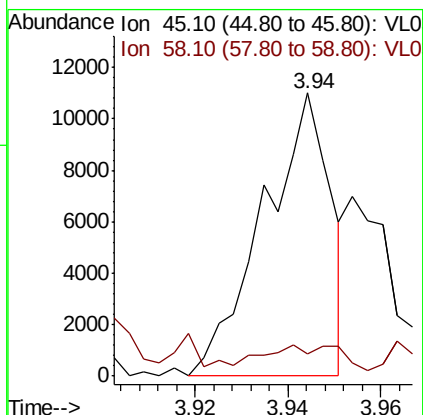
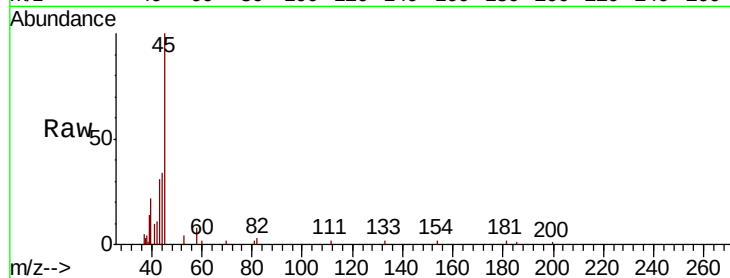


#19

Isopropyl Alcohol
 Concen: 0.109 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. -0.00 min
 Lab File: VL035069.D
 Acq: 20 May 2020 7:18

Instrument :
 MSVOA_L
 ClientSampleId :

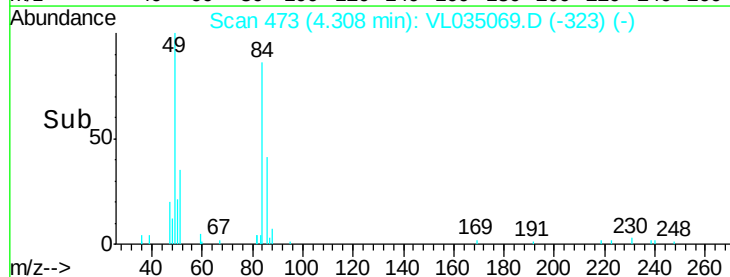
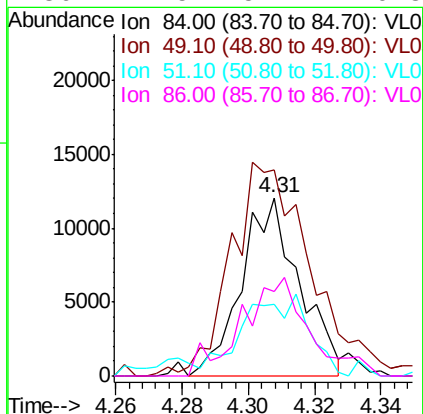
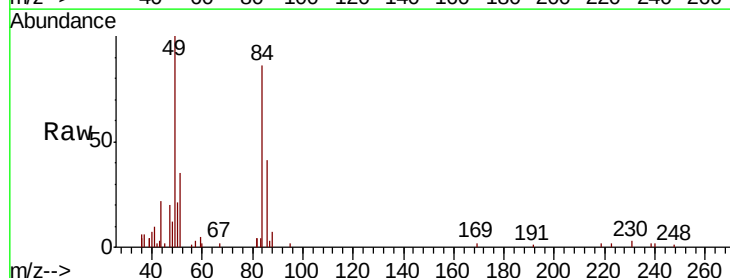
Tot Ion: 45 Resp: 11075
 Ion Ratio Lower Upper
 45 100
 58 0.0 1.7 2.5#

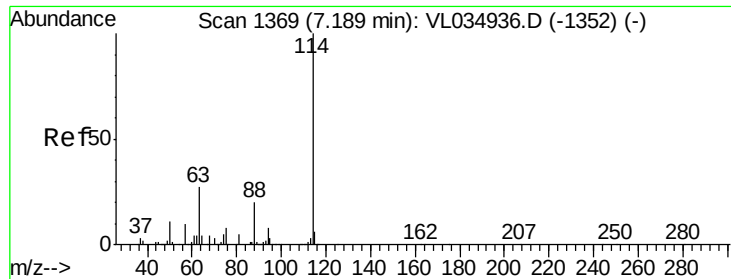


#20

Methylene Chloride
 Concen: 0.291 ppbv
 RT: 4.31 min Scan# 473
 Delta R.T. -0.02 min
 Lab File: VL035069.D
 Acq: 20 May 2020 7:18

Tgt Ion: 84 Resp: 14655
 Ion Ratio Lower Upper
 84 100
 49 111.0 132.5 198.7#
 51 38.3 38.4 57.6#
 86 47.5 51.2 76.8#

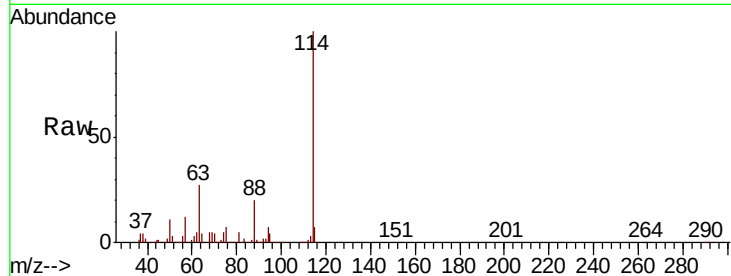




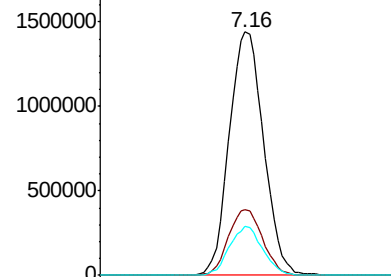
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.03 min
 Lab File: VL035069.D
 Acq: 20 May 2020 7:18

Instrument :
 MSVOA_L
 ClientSampleId :

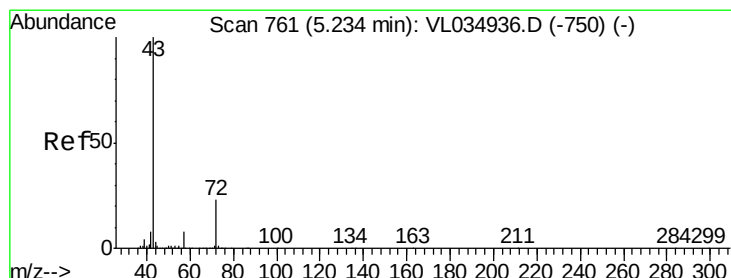
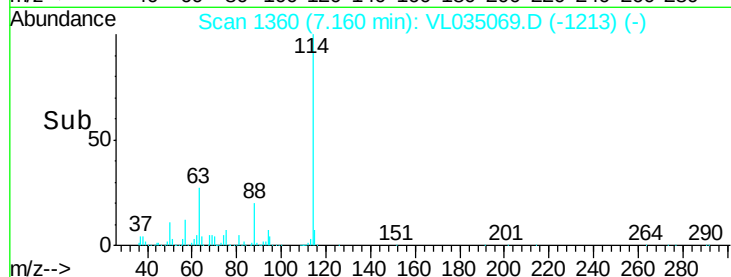
Tot Ion:114 Resp: 2679822
 Ion Ratio Lower Upper
 114 100
 63 27.1 22.2 33.4
 88 19.4 15.5 23.3



Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

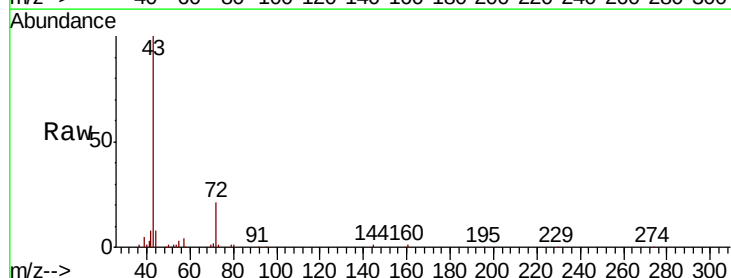


Time--> 7.05 7.10 7.15 7.20 7.25

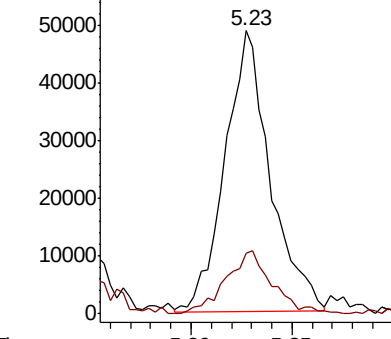


#34
 2-Butanone
 Concen: 0.459 ppbv
 RT: 5.23 min Scan# 759
 Delta R.T. -0.01 min
 Lab File: VL035069.D
 Acq: 20 May 2020 7:18

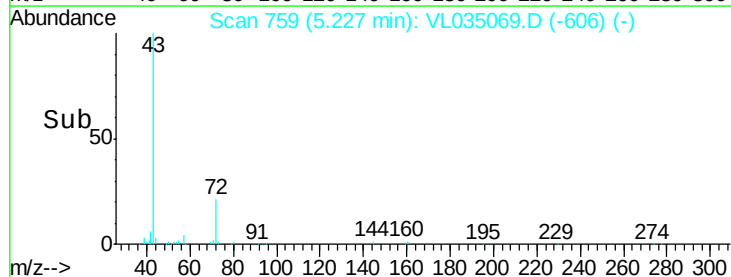
Tgt Ion: 43 Resp: 76489
 Ion Ratio Lower Upper
 43 100
 72 23.1 18.0 27.0

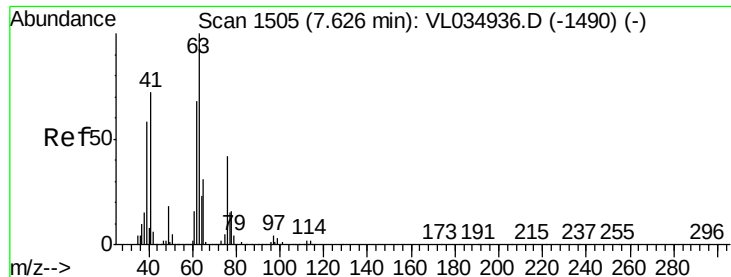


Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0



Time--> 5.20 5.25





#39

1,2-Dichloropropane

Concen: 8.123 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.47 min

Lab File: VL035069.D

Acq: 20 May 2020 7:18

Instrument :

MSVOA_L

ClientSampled :

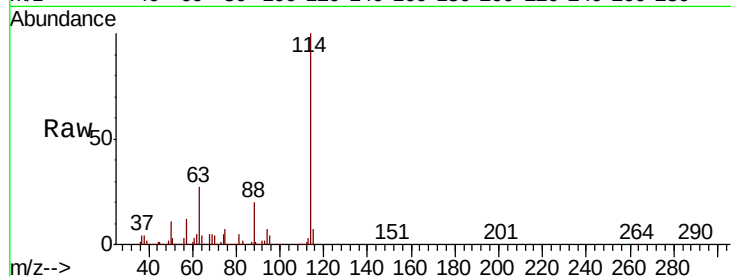
Tot Ion: 63 Resp: 719469

Ion Ratio Lower Upper

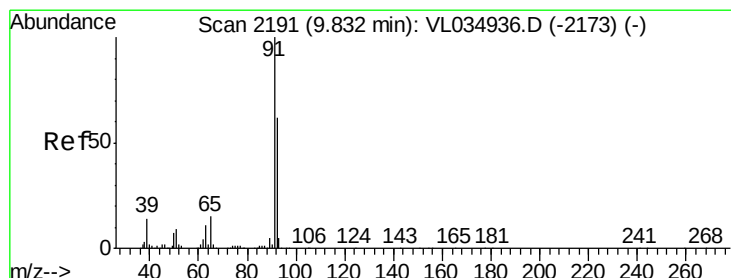
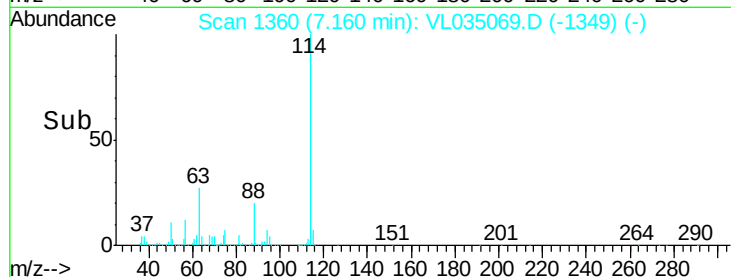
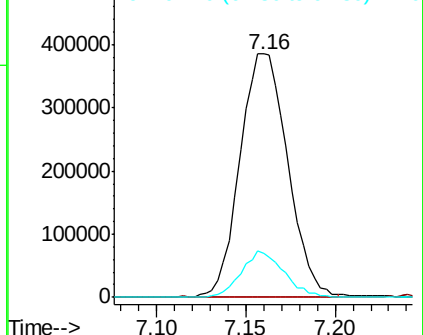
63 100

41 0.2 57.8 86.8#

62 17.9 54.2 81.2#



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



#53

Toluene

Concen: 0.043 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. -0.04 min

Lab File: VL035069.D

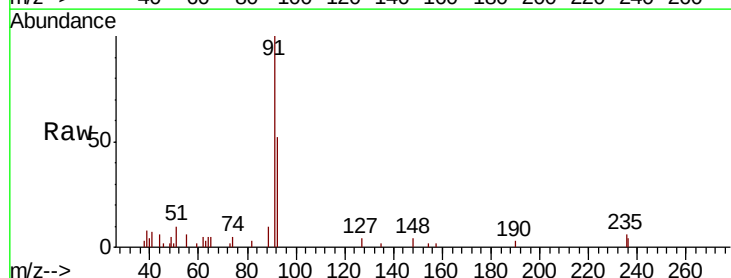
Acq: 20 May 2020 7:18

Tgt Ion: 91 Resp: 10156

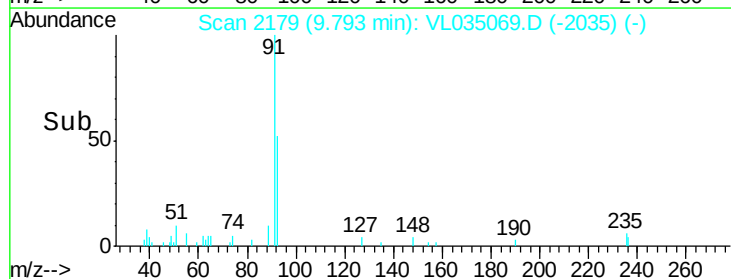
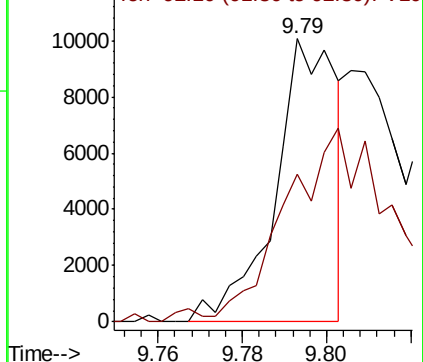
Ion Ratio Lower Upper

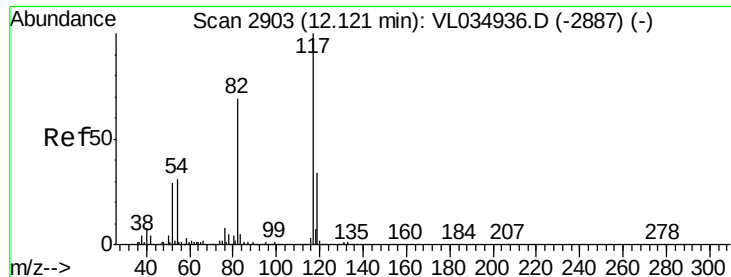
91 100

92 0.0 48.6 73.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0

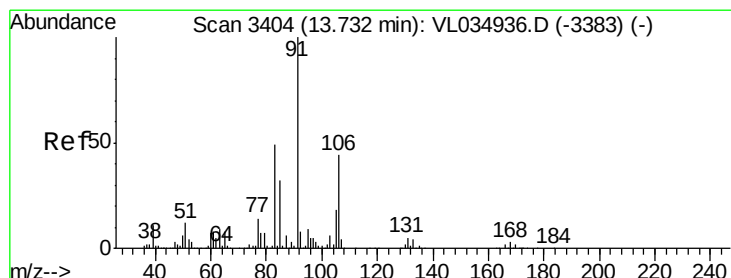
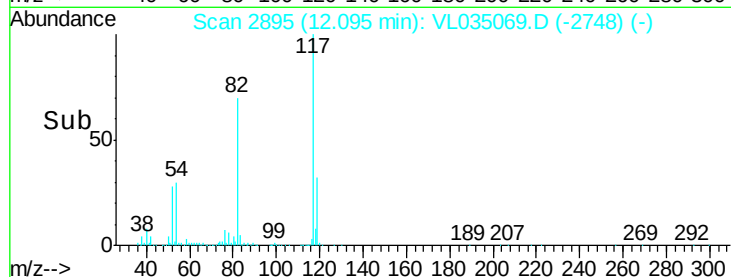
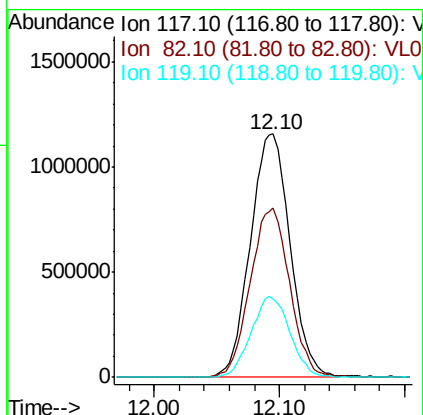
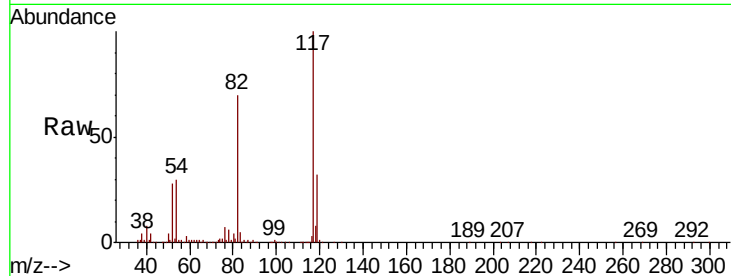




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.03 min
Lab File: VL035069.D
Acq: 20 May 2020 7:18

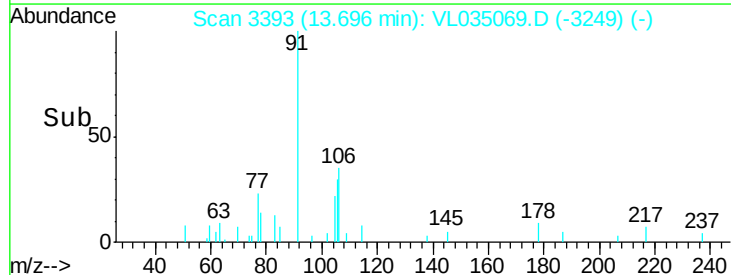
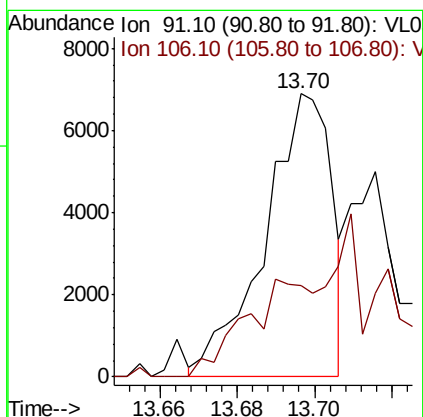
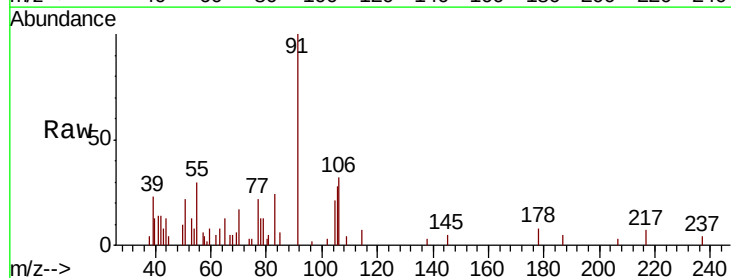
Instrument :
MSVOA_L
ClientSampleId :

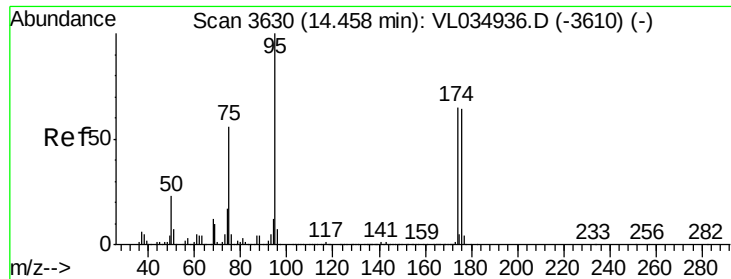
Tot Ion:117 Resp: 2548678
Ion Ratio Lower Upper
117 100
82 69.4 53.1 79.7
119 32.8 26.7 40.1



#60
o-Xylene
Concen: 0.030 ppbv
RT: 13.70 min Scan# 3393
Delta R.T. -0.04 min
Lab File: VL035069.D
Acq: 20 May 2020 7:18

Tgt Ion: 91 Resp: 8268
Ion Ratio Lower Upper
91 100
106 0.0 21.9 65.5#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.440 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. -0.03 min

Lab File: VL035069.D

Acq: 20 May 2020 7:18

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2153880

Ion Ratio Lower Upper

95 100

174 65.8 51.5 77.3

175 4.9 3.8 5.8

