

Data File : VL035074.D
Acq On : 20 May 2020 10:28
Operator : SY/AP
Sample : L2712-03DL 40X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV3DL

Quant Time: May 20 14:03:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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	1196232	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	2719640	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	2557313	10.00	ppbv	-0.03

System Monitoring Compounds
68) 1-Bromo-4-Fluorobenzene 14.43 95 2148005 10.38 ppbv -0.03
Spiked Amount 10.000 Range 65 - 135 Recovery = 103.80%

Target Compounds					Qvalue
9) Propene	2.97	41	11964	0.202 ppbv	88
13) Ethanol	3.56	45	2225	0.114 ppbv #	39
15) Acetone	3.80	43	1834719	11.601 ppbv	95
16) 1,3-Butadiene	3.26	39	109624	1.611 ppbv #	15
17) tert-Butyl alcohol	4.27	59	80671	0.573 ppbv	95
19) Isopropyl Alcohol	3.93	45	10404	0.099 ppbv #	94
20) Methylene Chloride	4.31	84	23152	0.442 ppbv #	92
26) Hexane	5.66	57	5279	0.046 ppbv #	60
34) 2-Butanone	5.22	43	161756	0.957 ppbv	99
39) 1,2-Dichloropropane	7.16	63	722225	8.035 ppbv #	24
53) Toluene	9.80	91	11349	0.048 ppbv #	1
59) m/p-Xylene	13.00	91	8867	0.032 ppbv #	8

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

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SV3DL

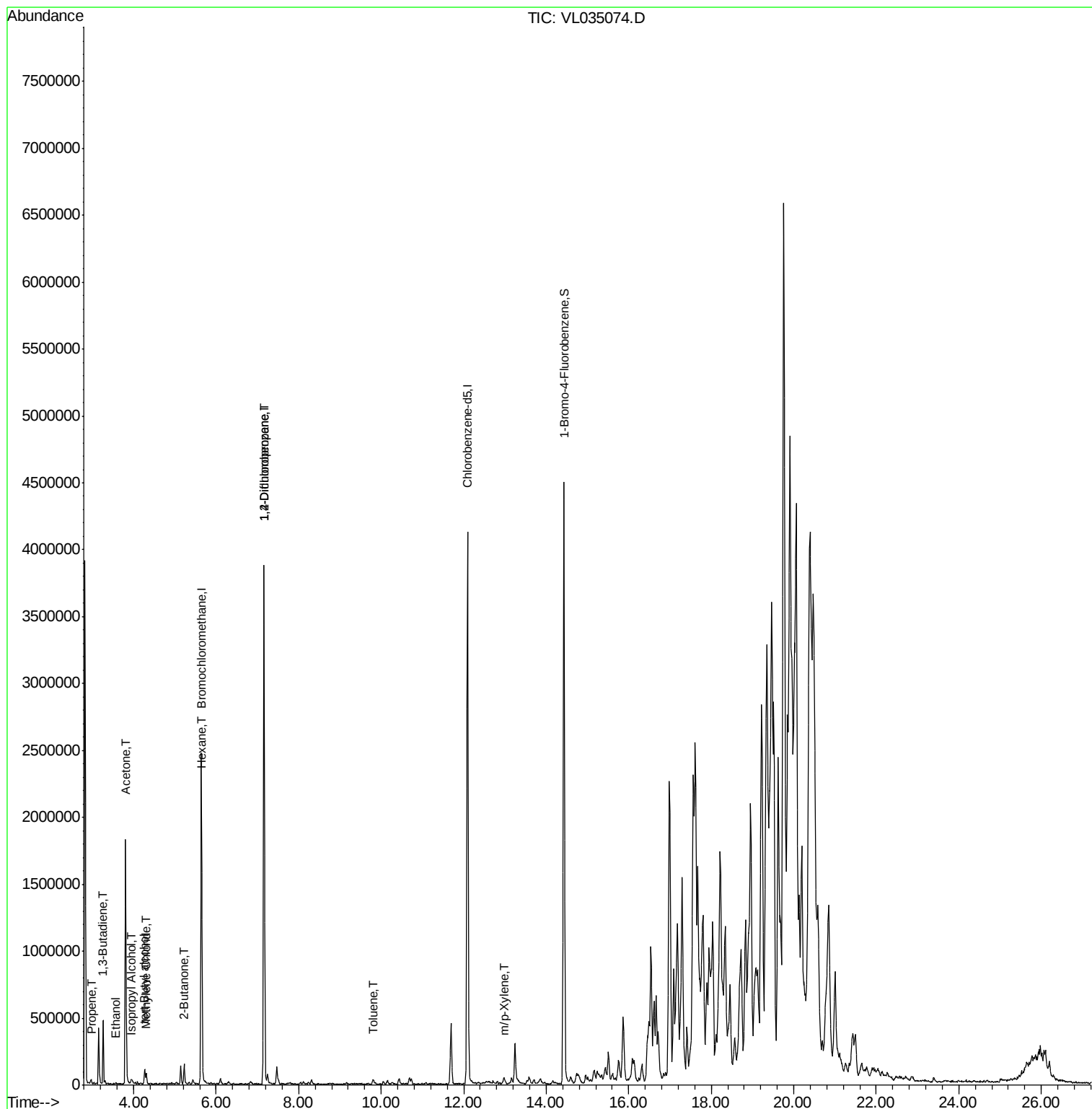
Quant Time: May 20 14:03:41 2020

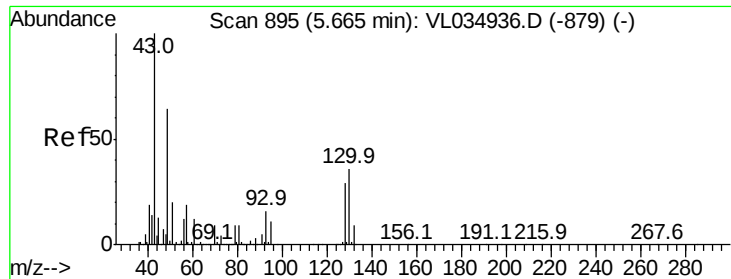
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL050620AIR.M

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.03 min

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ClientSampleId :

SV3DL

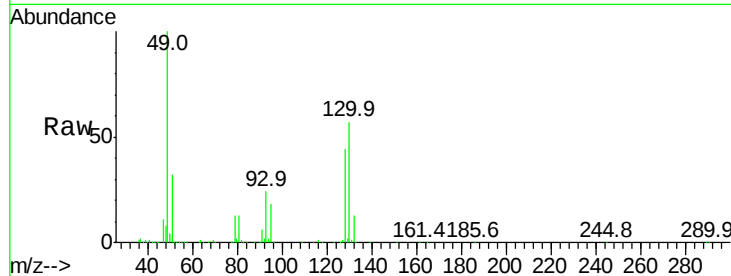
Tgt Ion: 49 Resp: 1196232

Ion Ratio Lower Upper

49 100

128 44.0 22.1 66.5

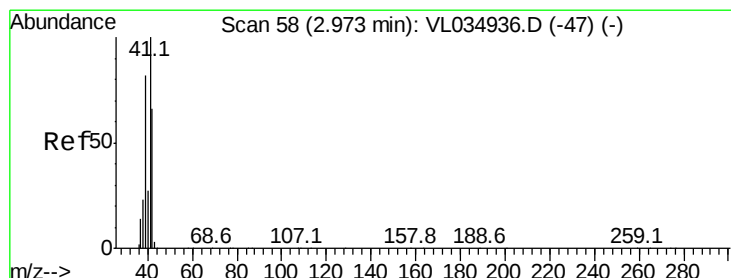
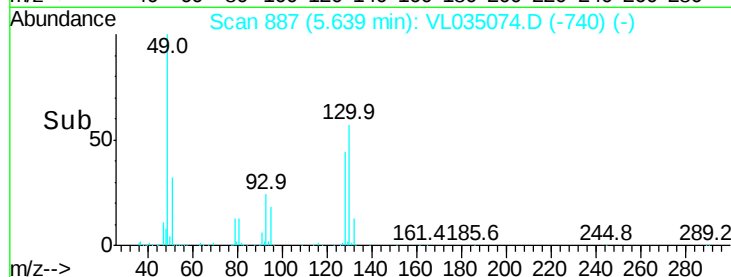
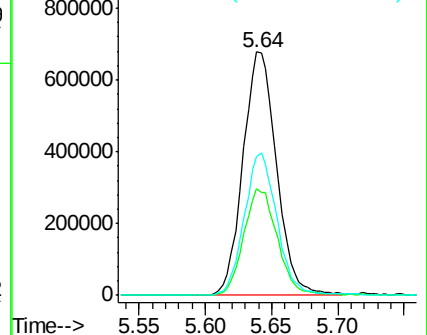
130 57.4 29.1 87.3



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



#9

Propene

Concen: 0.202 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

Lab File: VL035074.D

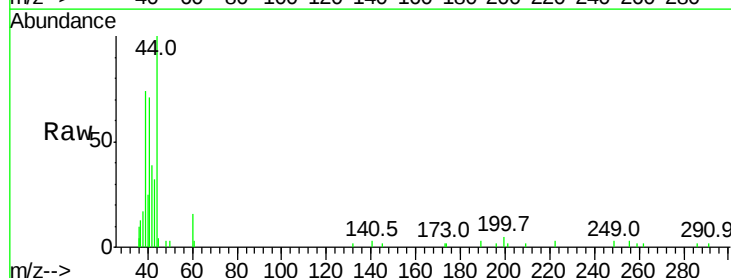
Acq: 20 May 2020 10:28

Tgt Ion: 41 Resp: 11964

Ion Ratio Lower Upper

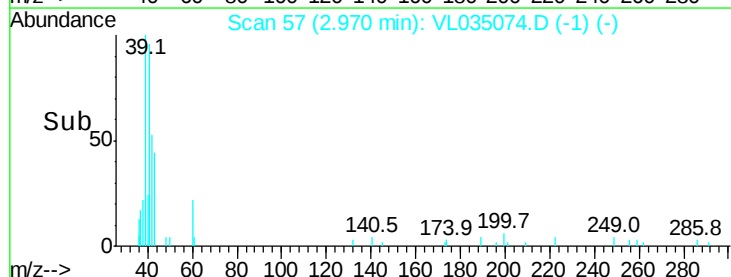
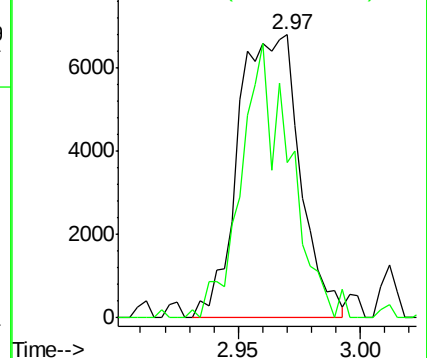
41 100

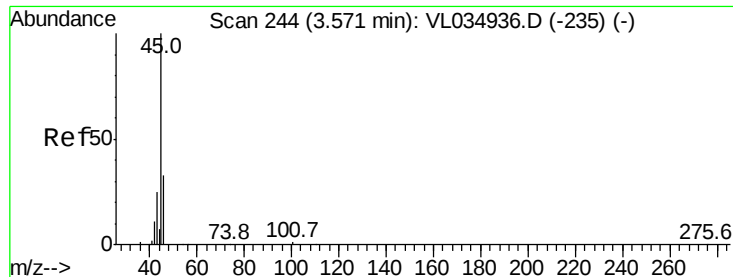
42 77.6 54.5 81.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.114 ppbv

RT: 3.56 min Scan# 240

Delta R.T. -0.01 min

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MSVOA_L

ClientSampleId :

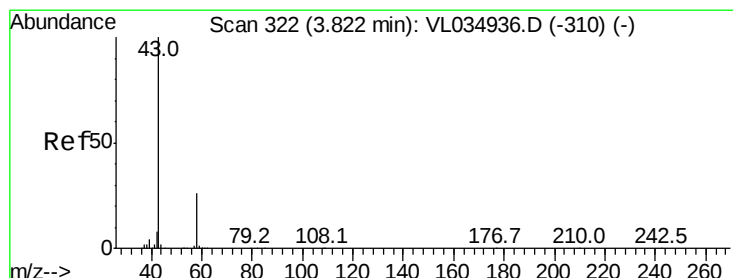
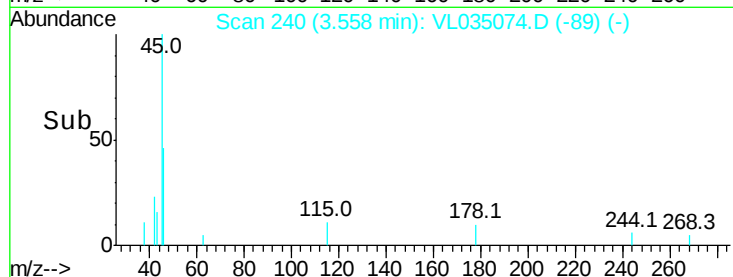
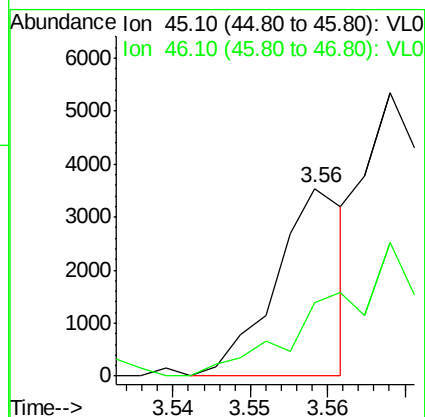
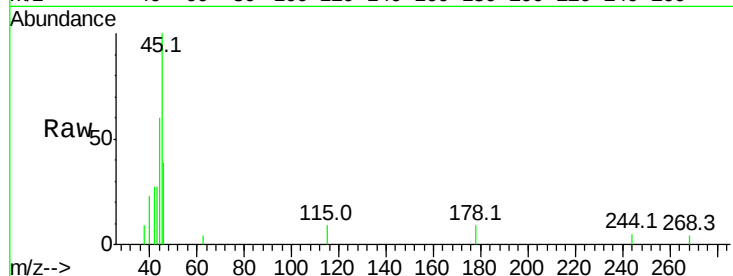
SV3DL

Tgt Ion: 45 Resp: 2225

Ion Ratio Lower Upper

45 100

46 0.0 14.3 57.3#



#15

Acetone

Concen: 11.601 ppbv

RT: 3.80 min Scan# 316

Delta R.T. -0.02 min

Lab File: VL035074.D

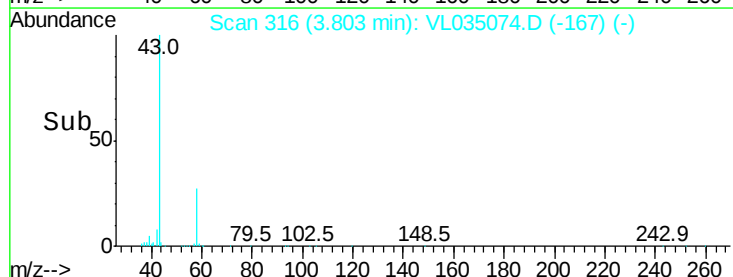
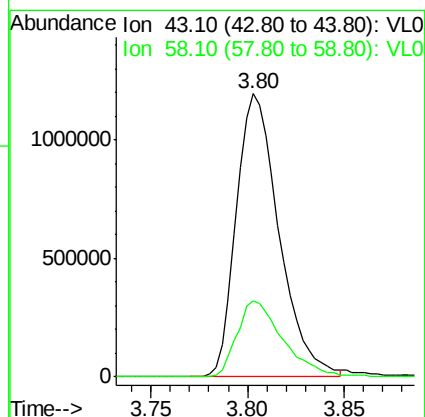
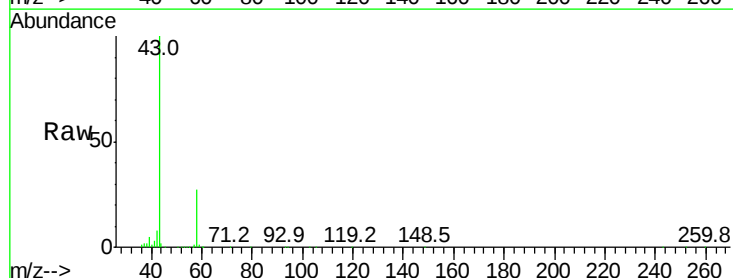
Acq: 20 May 2020 10:28

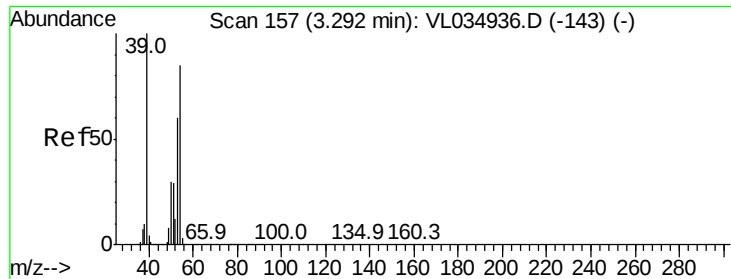
Tgt Ion: 43 Resp: 1834719

Ion Ratio Lower Upper

43 100

58 29.6 21.7 32.5

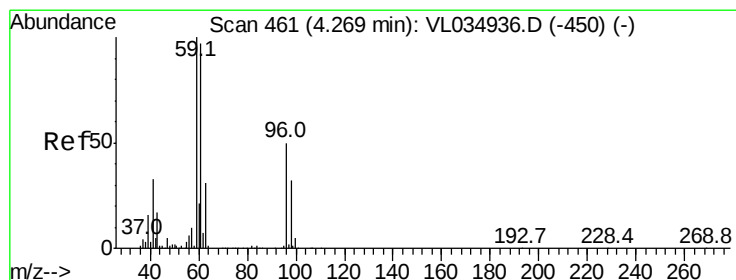
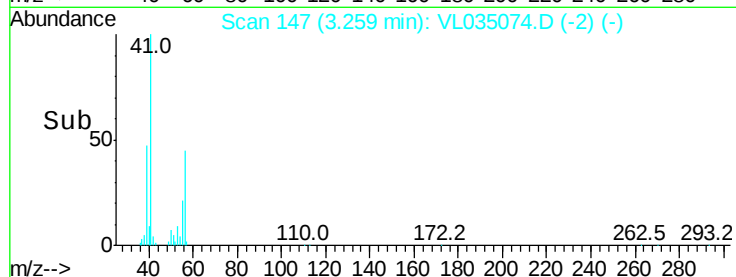
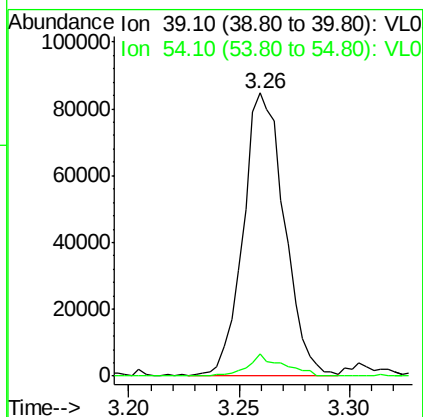
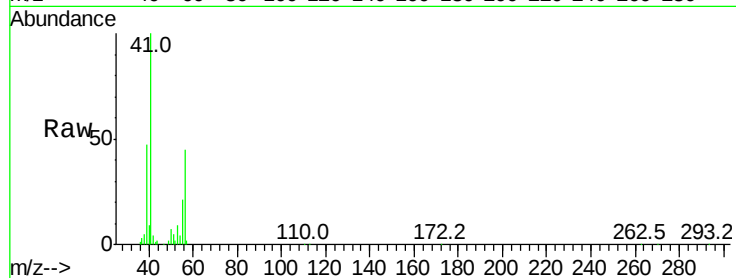




#16
 1,3-Butadiene
 Concen: 1.611 ppbv
 RT: 3.26 min Scan# 147
 Delta R.T. -0.03 min
 Lab File: VL035074.D
 Acq: 20 May 2020 10:28

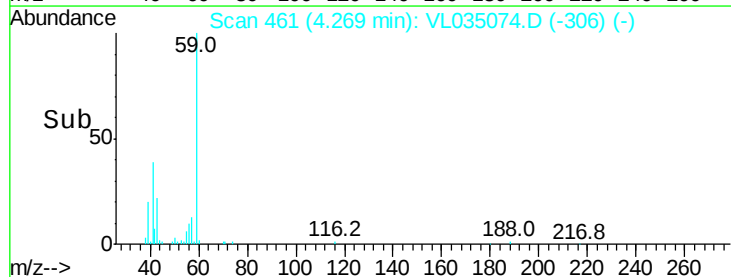
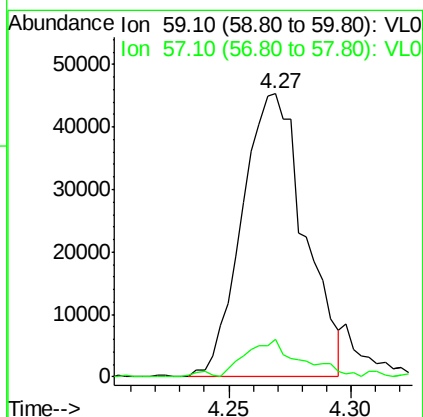
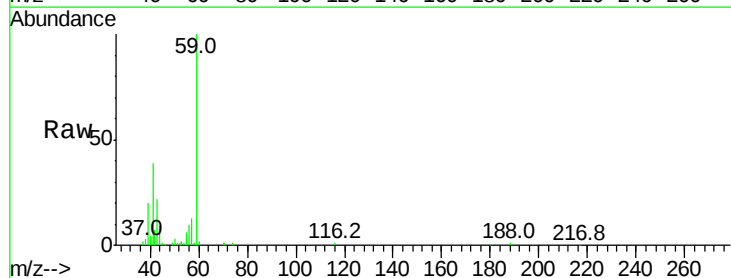
Instrument :
 MSVOA_L
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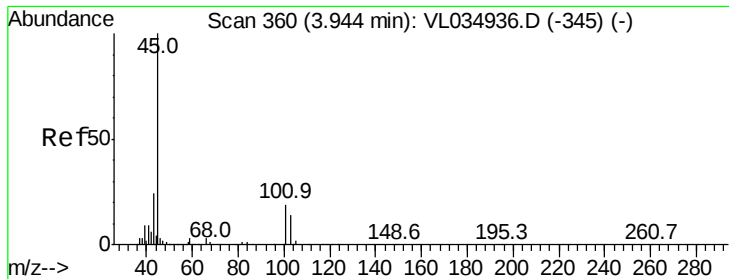
Tgt Ion: 39 Resp: 109624
 Ion Ratio Lower Upper
 39 100
 54 6.8 66.6 100.0#



#17
 tert-Butyl alcohol
 Concen: 0.573 ppbv
 RT: 4.27 min Scan# 461
 Delta R.T. -0.00 min
 Lab File: VL035074.D
 Acq: 20 May 2020 10:28

Tgt Ion: 59 Resp: 80671
 Ion Ratio Lower Upper
 59 100
 57 12.7 8.7 13.1





#19

Isopropyl Alcohol

Concen: 0.099 ppbv

RT: 3.93 min Scan# 357

Delta R.T. -0.01 min

Lab File: VL035074.D

Acq: 20 May 2020 10:28

Instrument :

MSVOA_L

ClientSampleId :

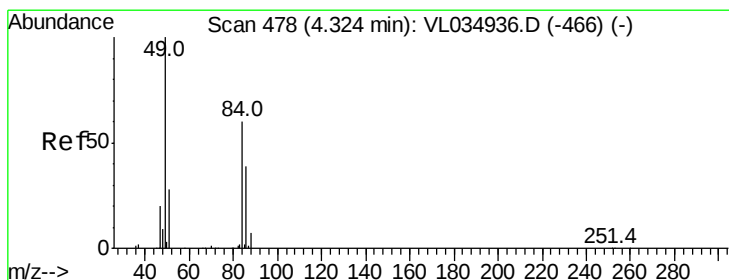
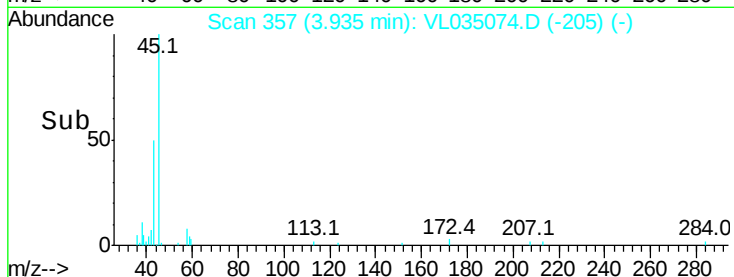
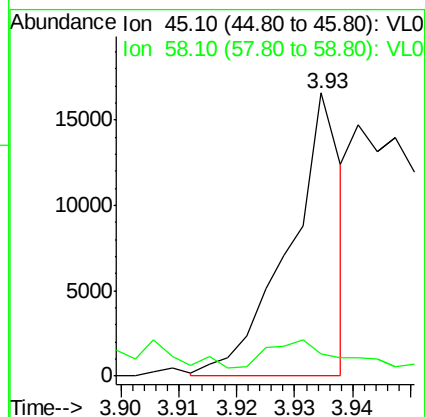
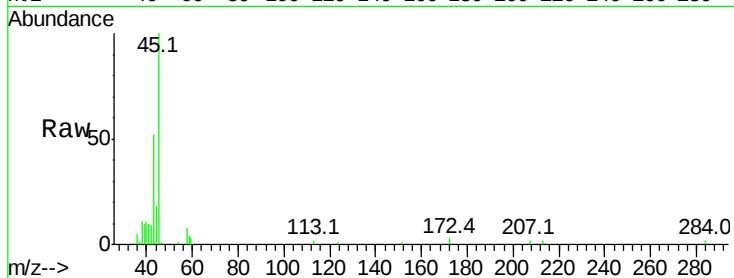
SV3DL

Tgt Ion: 45 Resp: 10404

Ion Ratio Lower Upper

45 100

58 0.0 1.7 2.5#



#20

Methylene Chloride

Concen: 0.442 ppbv

RT: 4.31 min Scan# 473

Delta R.T. -0.02 min

Lab File: VL035074.D

Acq: 20 May 2020 10:28

Tgt Ion: 84 Resp: 23152

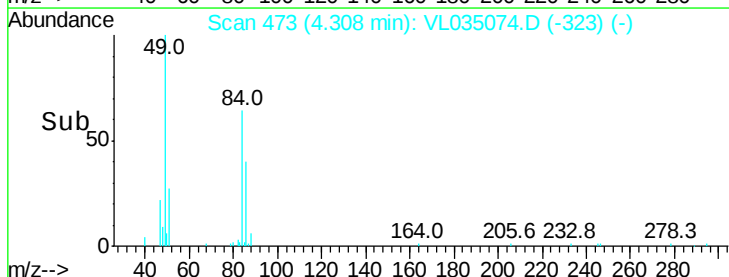
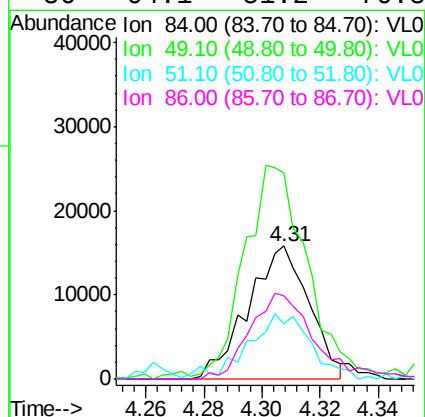
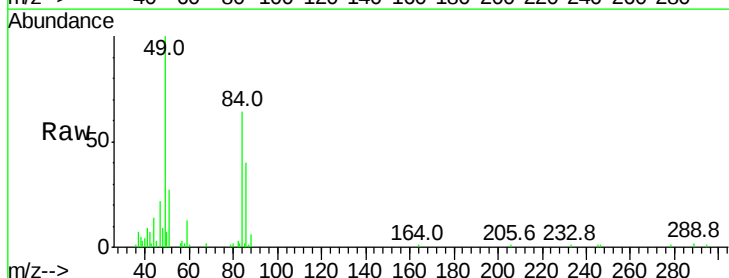
Ion Ratio Lower Upper

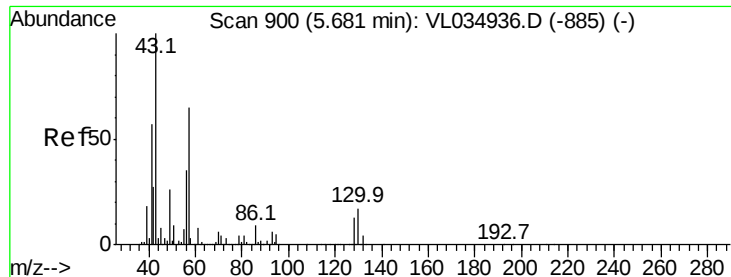
84 100

49 153.8 132.5 198.7

51 37.8 38.4 57.6#

86 64.1 51.2 76.8

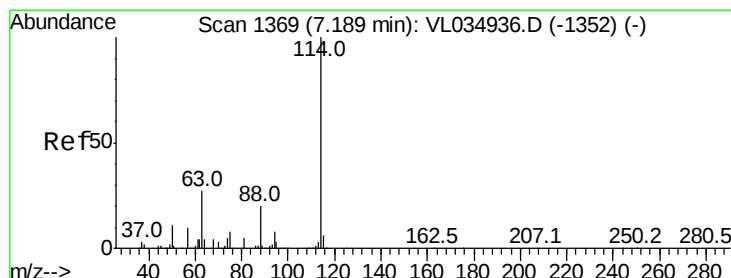
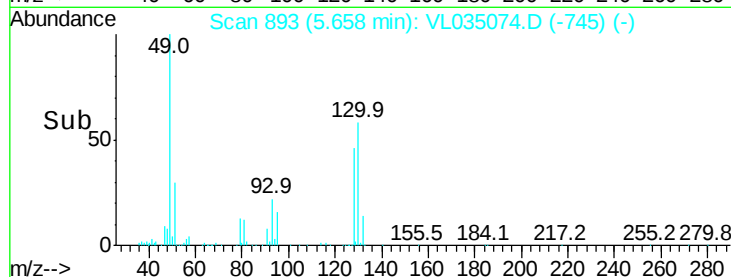
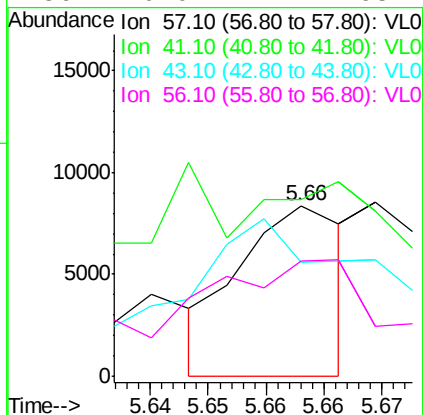
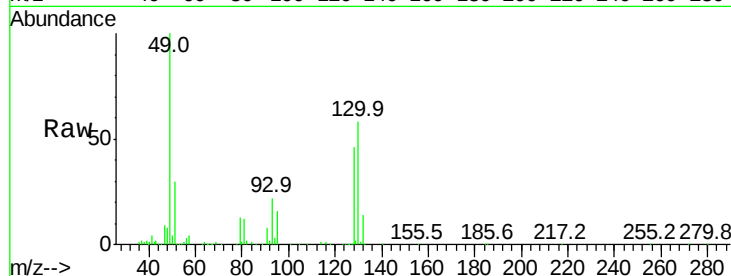




#26
Hexane
Concen: 0.046 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL035074.D
Acq: 20 May 2020 10:28

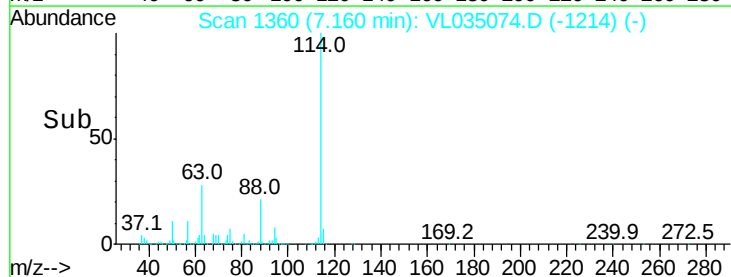
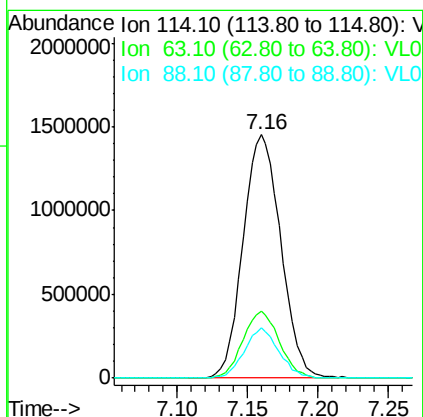
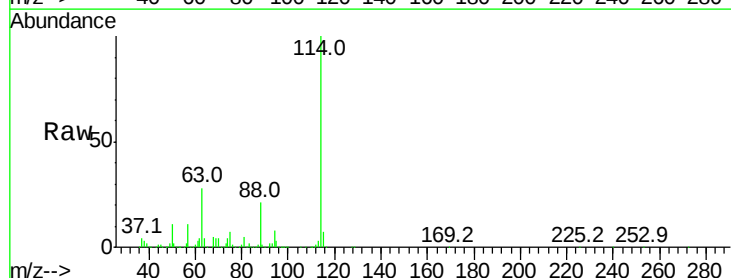
Instrument :
MSVOA_L
ClientSampleId :
SV3DL

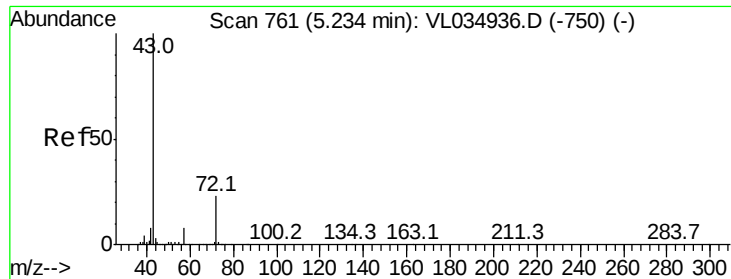
Tgt Ion: 57 Resp: 5279
Ion Ratio Lower Upper
57 100
41 0.0 72.7 109.1#
43 244.5 182.1 273.1
56 0.0 42.2 63.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.03 min
Lab File: VL035074.D
Acq: 20 May 2020 10:28

Tgt Ion: 114 Resp: 2719640
Ion Ratio Lower Upper
114 100
63 26.8 22.2 33.4
88 19.1 15.5 23.3

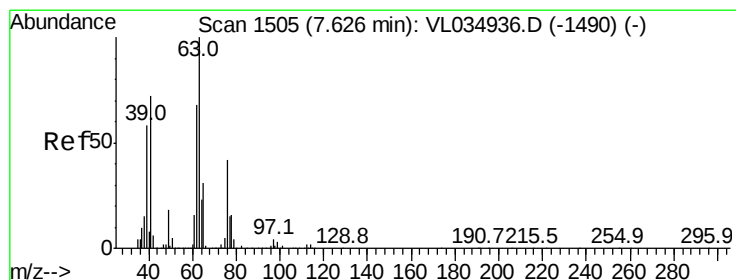
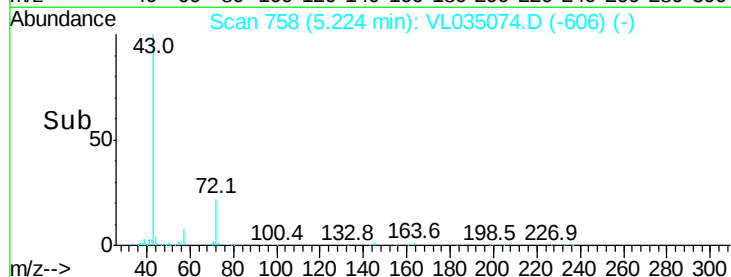
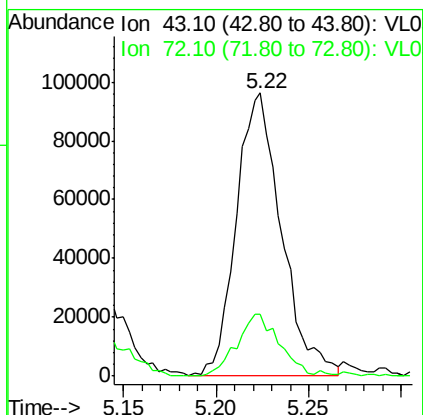
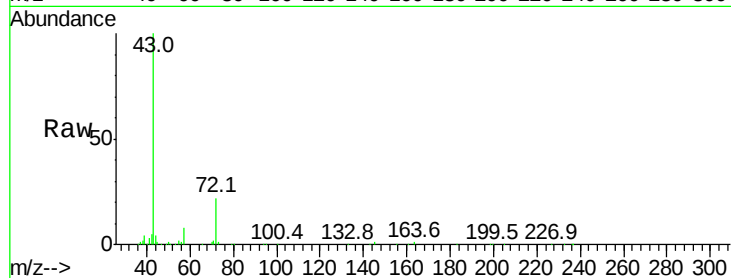




#34
 2-Butanone
 Concen: 0.957 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.01 min
 Lab File: VL035074.D
 Acq: 20 May 2020 10:28

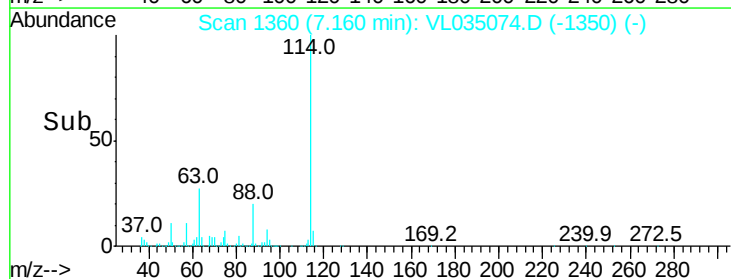
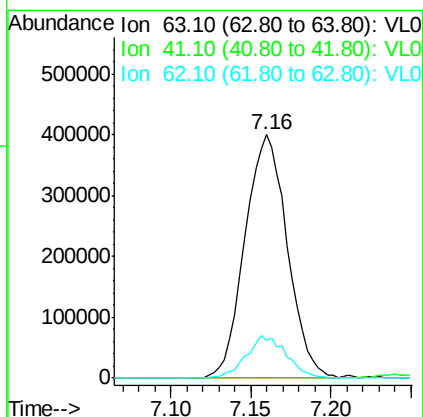
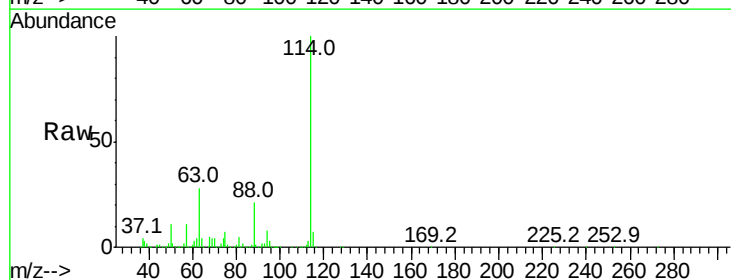
Instrument :
 MSVOA_L
 ClientSampleId :
 SV3DL

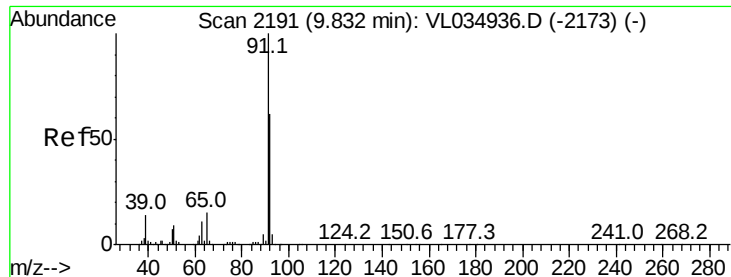
Tgt Ion: 43 Resp: 161756
 Ion Ratio Lower Upper
 43 100
 72 21.9 18.0 27.0



#39
 1,2-Dichloropropane
 Concen: 8.035 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.47 min
 Lab File: VL035074.D
 Acq: 20 May 2020 10:28

Tgt Ion: 63 Resp: 722225
 Ion Ratio Lower Upper
 63 100
 41 0.0 57.8 86.8#
 62 15.1 54.2 81.2#





#53

Toluene

Concen: 0.048 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.04 min

Lab File: VL035074.D

Acq: 20 May 2020 10:28

Instrument :

MSVOA_L

ClientSampleId :

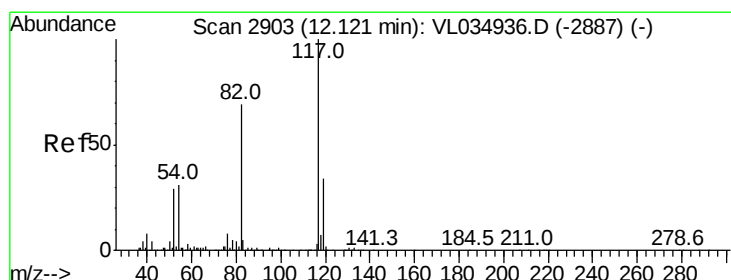
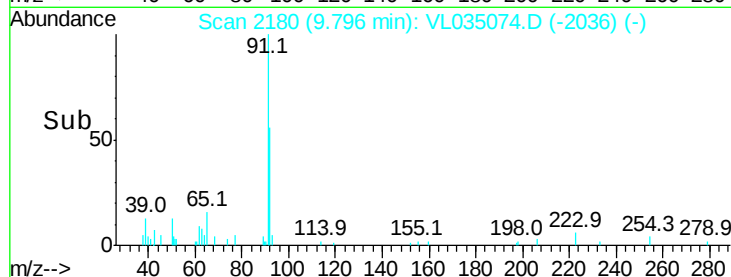
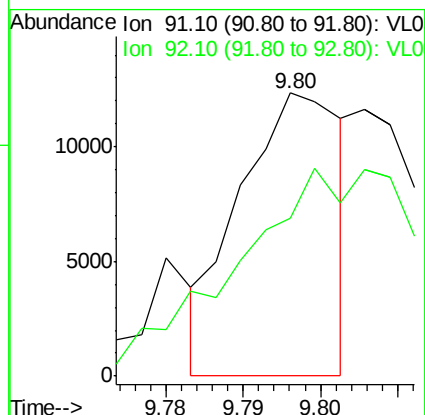
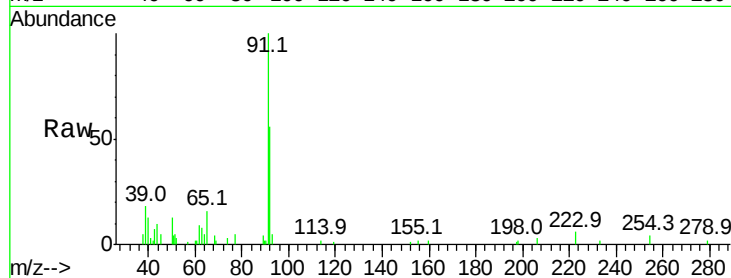
SV3DL

Tgt Ion: 91 Resp: 11349

Ion Ratio Lower Upper

91 100

92 157.5 48.6 73.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. -0.03 min

Lab File: VL035074.D

Acq: 20 May 2020 10:28

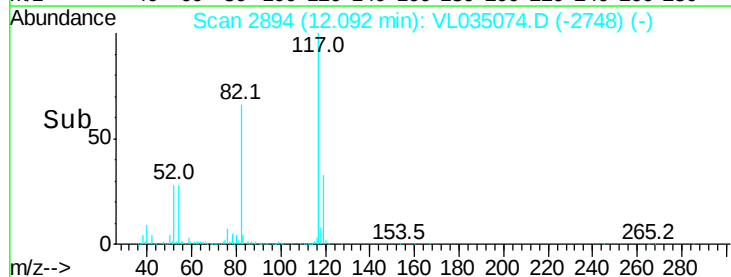
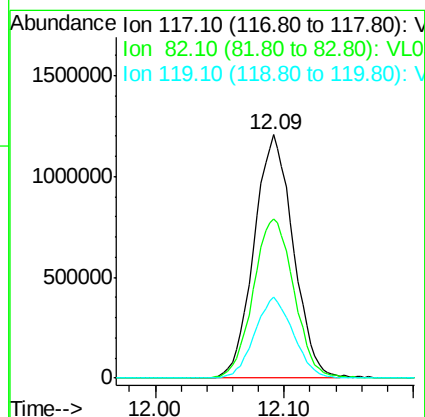
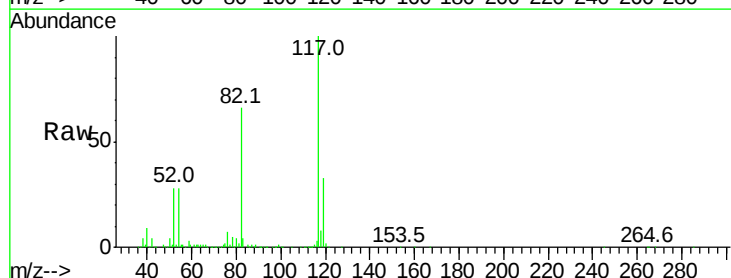
Tgt Ion: 117 Resp: 2557313

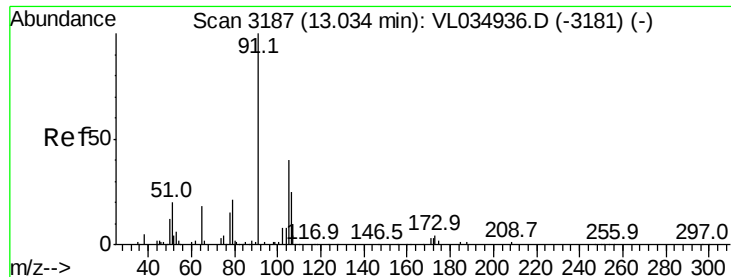
Ion Ratio Lower Upper

117 100

82 68.3 53.1 79.7

119 32.8 26.7 40.1





#59

m/p-Xylene

Concen: 0.032 ppbv

RT: 13.00 min Scan# 3177

Delta R.T. -0.03 min

Lab File: VL035074.D

Acq: 20 May 2020 10:28

Instrument :

MSVOA_L

ClientSampleId :

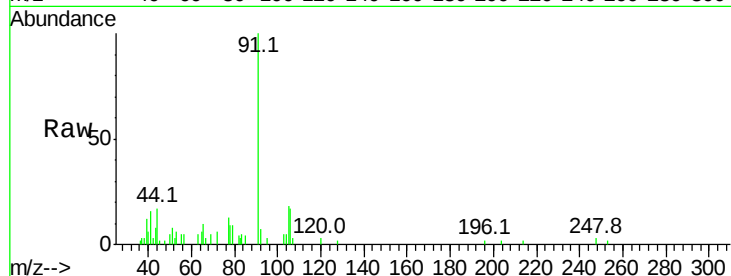
SV3DL

Tgt Ion: 91 Resp: 8867

Ion Ratio Lower Upper

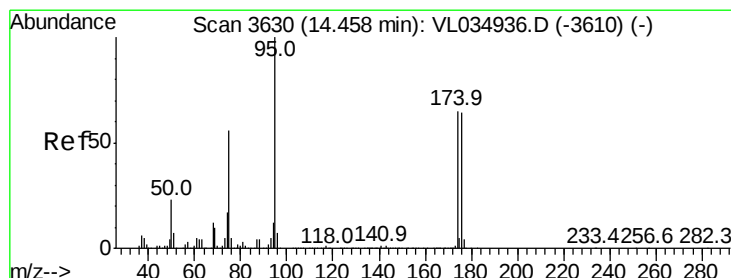
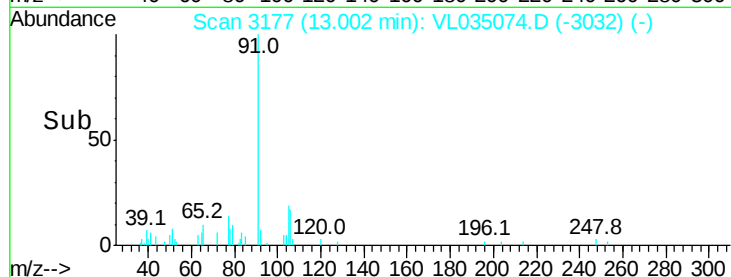
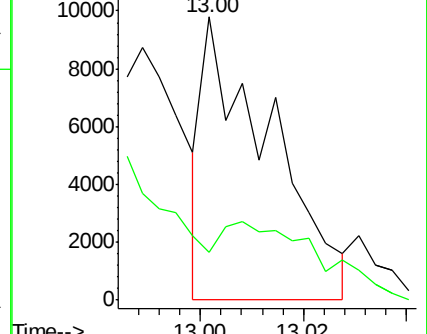
91 100

106 0.0 66.0 99.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.377 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. -0.03 min

Lab File: VL035074.D

Acq: 20 May 2020 10:28

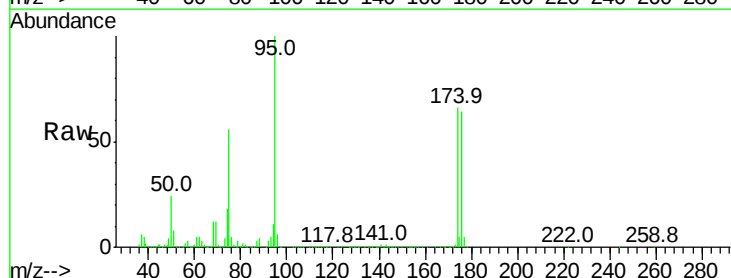
Tgt Ion: 95 Resp: 2148005

Ion Ratio Lower Upper

95 100

174 66.8 51.5 77.3

175 5.0 3.8 5.8



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

