

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL063020\
 Data File : VL035135.D
 Acq On : 30 Jun 2020 21:31
 Operator : SY/AP
 Sample : L3124-03DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 01 03:02:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 02:10:36 2020
 QLast Update : Sat Jun 20 02:10:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1238454	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2882728	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2708768	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2293507	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

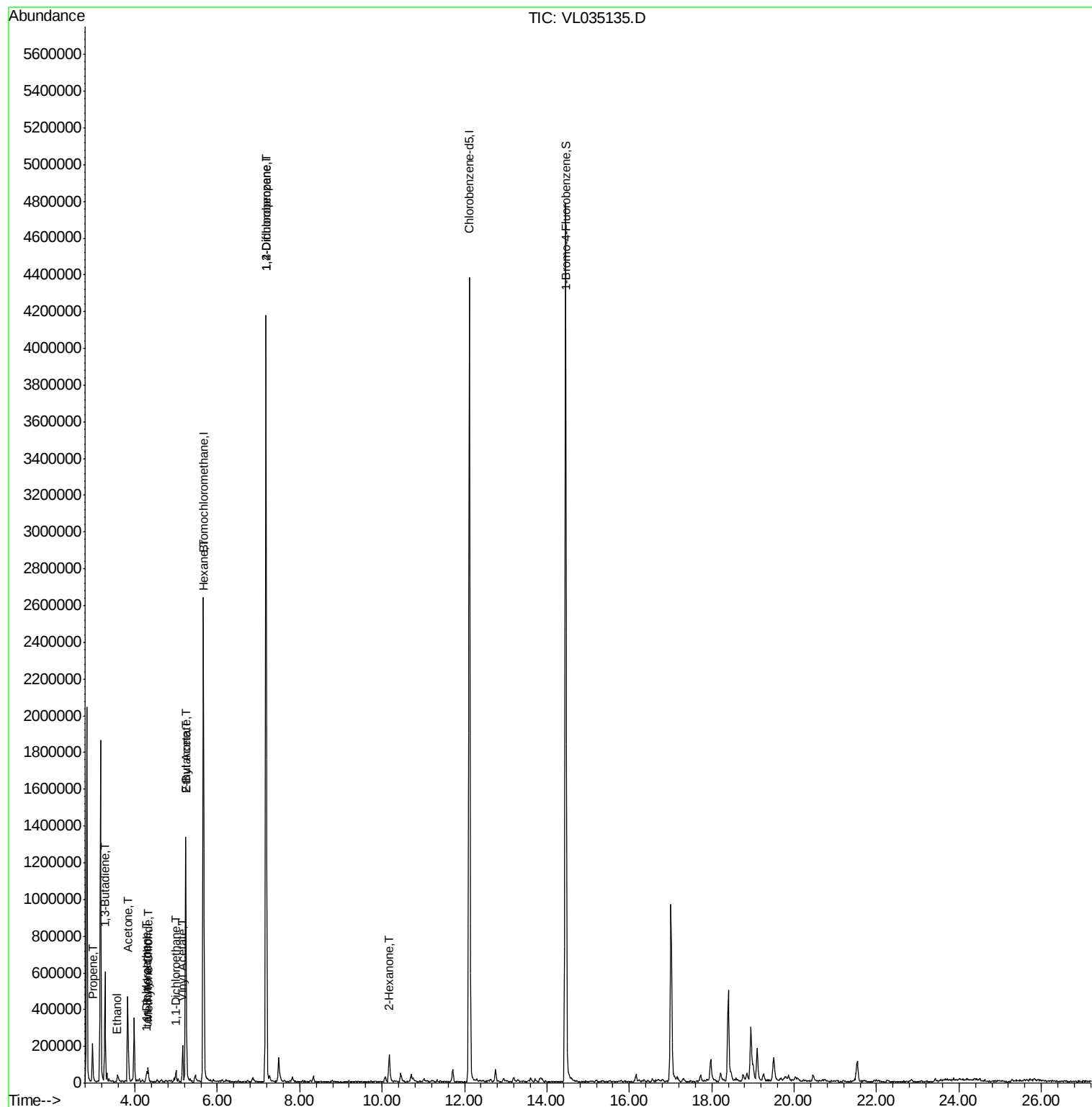
Target Compounds					Ovalue
9) Propene	2.97	41	83216	1.536	ppbv 100
13) Ethanol	3.56	45	1264	0.062	ppbv # 39
15) Acetone	3.82	43	420618	2.809	ppbv # 59
16) 1,3-Butadiene	3.27	39	140303	2.136	ppbv # 15
17) tert-Butyl alcohol	4.29	59	36863	0.278	ppbv # 90
18) 1,1-Dichloroethene	4.26	96	5046	0.091	ppbv # 78
20) Methylene Chloride	4.32	84	19753	0.326	ppbv 92
23) Vinyl Acetate	5.16	43	55953	0.308	ppbv # 12
24) 1,1-Dichloroethane	5.00	63	41404	0.270	ppbv 98
25) Ethyl Acetate	5.23	43	1505436	5.571	ppbv # 75
26) Hexane	5.67	57	3956	0.032	ppbv # 1
34) 2-Butanone	5.23	43	1505436	9.094	ppbv 100
39) 1,2-Dichloropropane	7.18	63	768966	8.808	ppbv # 26
51) 2-Hexanone	10.17	43	52188	0.283	ppbv # 29

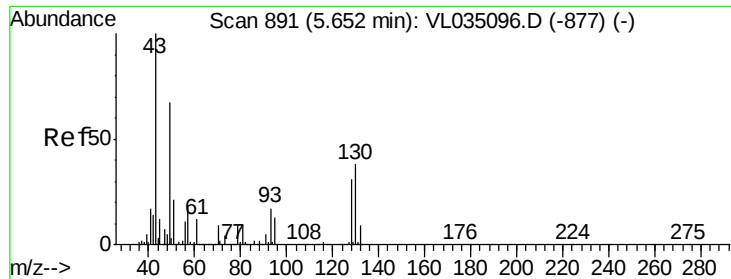
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Jun 20 02:10:36 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.01 min

Lab File: VL035135.D

Acq: 30 Jun 2020 21:31

Instrument :

MSVOA_L

ClientSampleId :

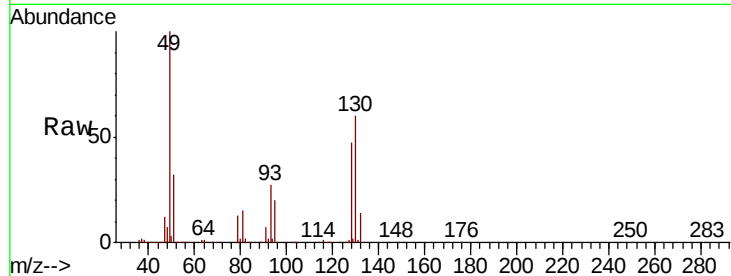
Tot Ion: 49 Resp: 1238454

Ion Ratio Lower Upper

49 100

128 46.7 22.9 68.5

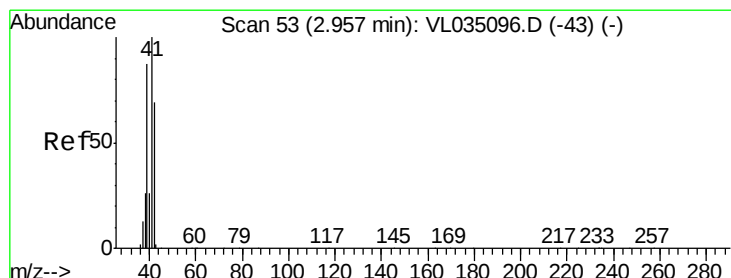
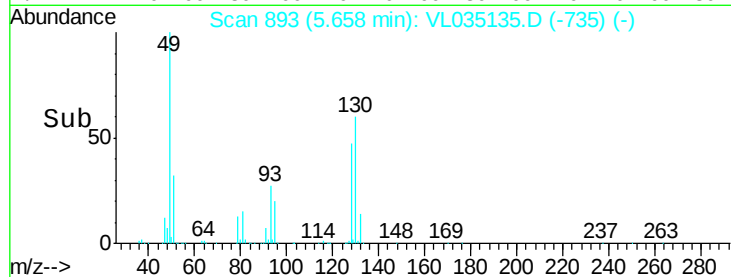
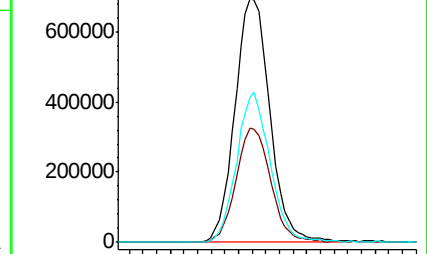
130 59.4 29.0 87.0



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: 1.536 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.02 min

Lab File: VL035135.D

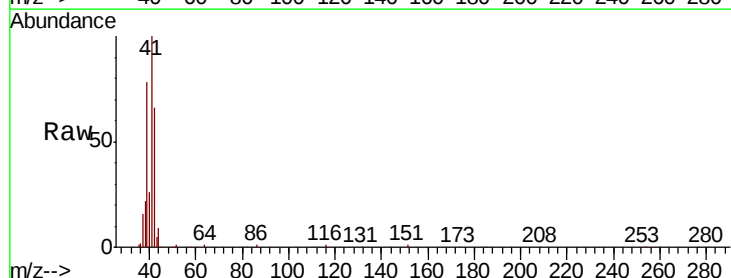
Acq: 30 Jun 2020 21:31

Tgt Ion: 41 Resp: 83216

Ion Ratio Lower Upper

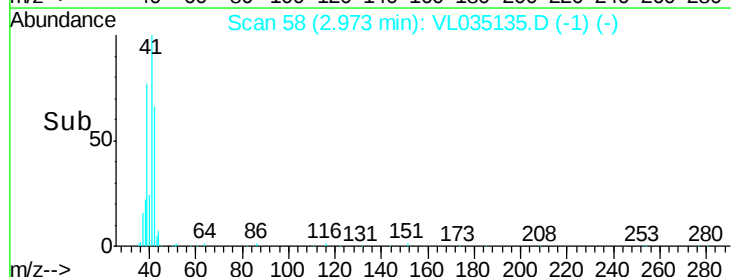
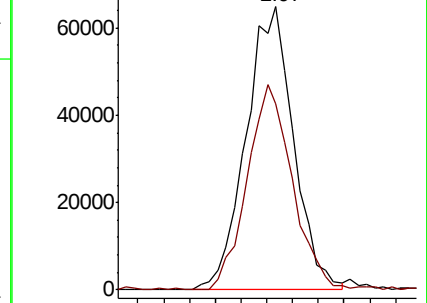
41 100

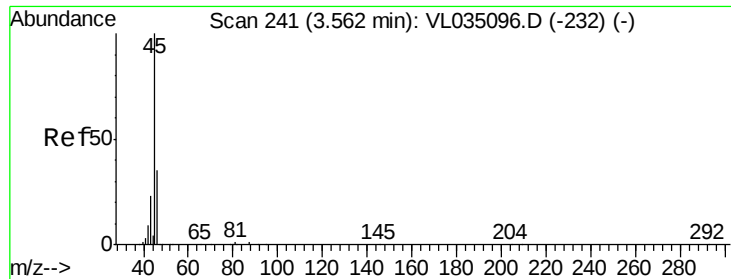
42 69.9 55.8 83.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

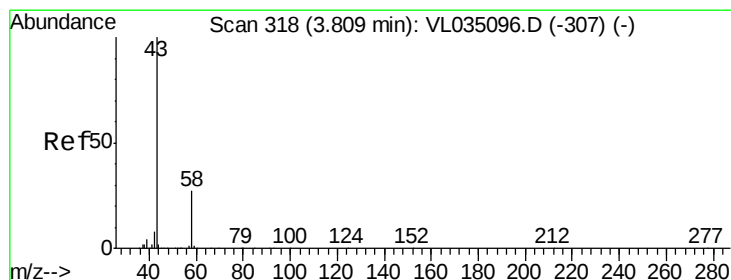
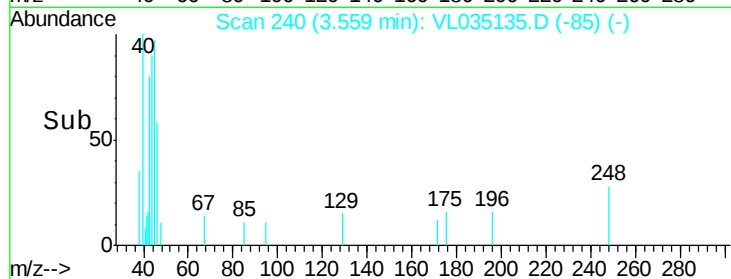
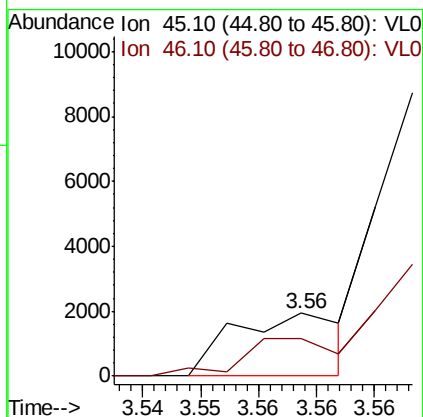
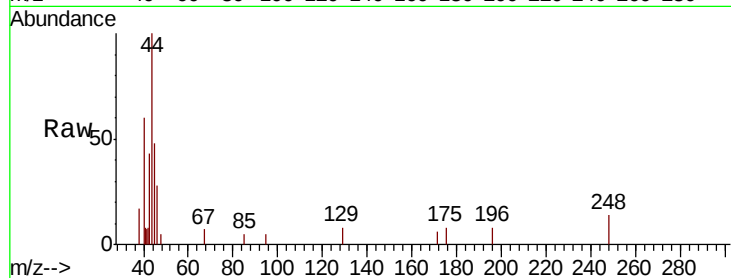




#13
Ethanol
Concen: 0.062 ppbv
RT: 3.56 min Scan# 240
Delta R.T. -0.00 min
Lab File: VL035135.D
Acq: 30 Jun 2020 21:31

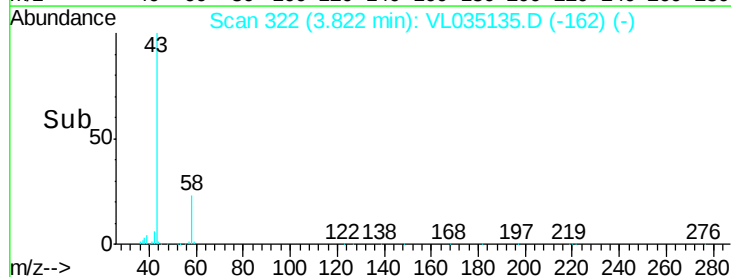
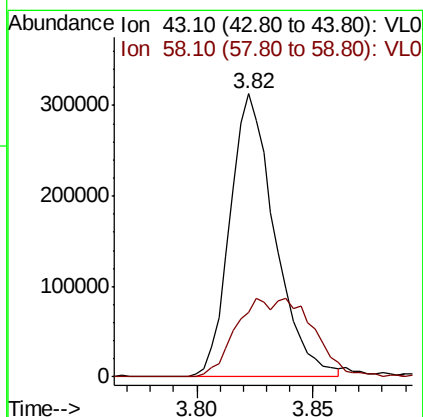
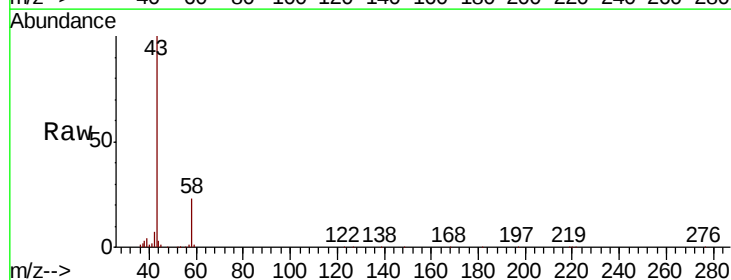
Instrument :
MSVOA_L
ClientSampleId :

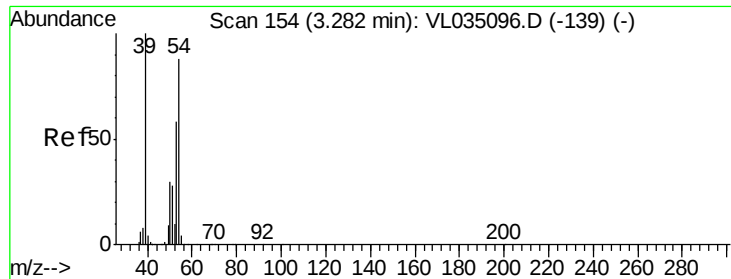
Tot Ion: 45 Resp: 1264
Ion Ratio Lower Upper
45 100
46 0.0 14.2 57.0#



#15
Acetone
Concen: 2.809 ppbv
RT: 3.82 min Scan# 322
Delta R.T. 0.01 min
Lab File: VL035135.D
Acq: 30 Jun 2020 21:31

Tgt Ion: 43 Resp: 420618
Ion Ratio Lower Upper
43 100
58 48.4 21.8 32.6#

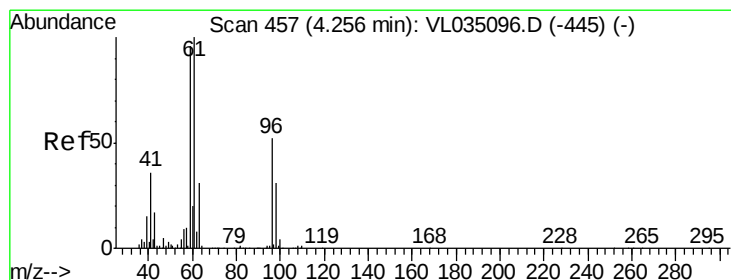
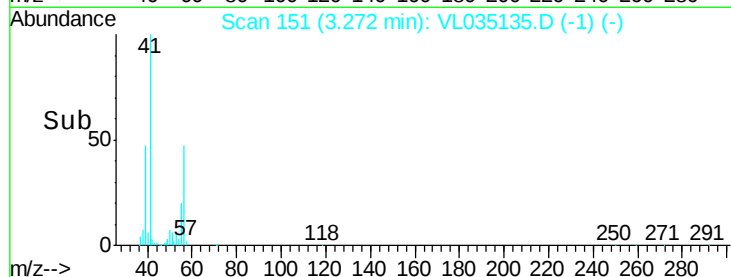
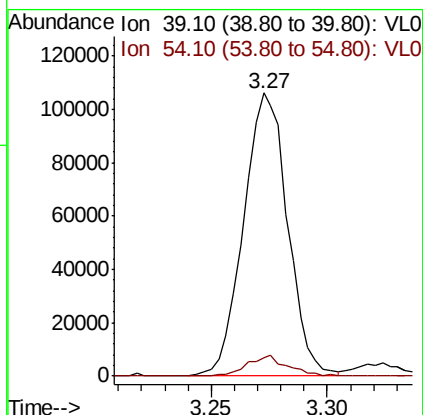
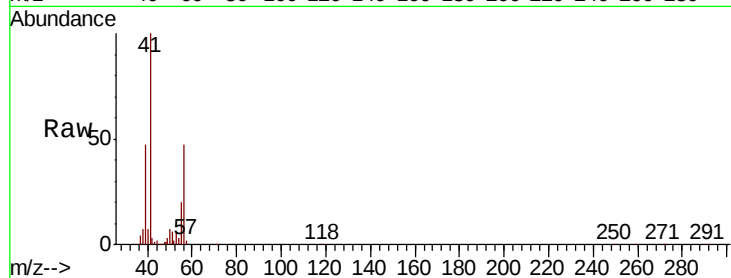




#16
 1,3-Butadiene
 Concen: 2.136 ppbv
 RT: 3.27 min Scan# 151
 Delta R.T. -0.01 min
 Lab File: VL035135.D
 Acq: 30 Jun 2020 21:31

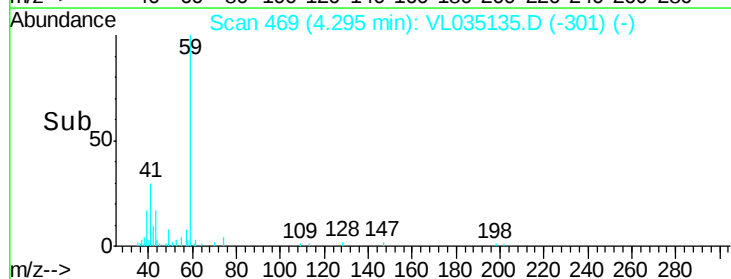
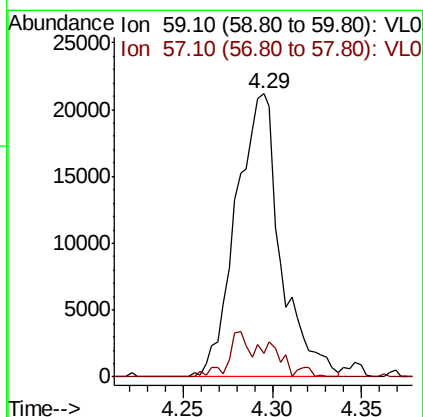
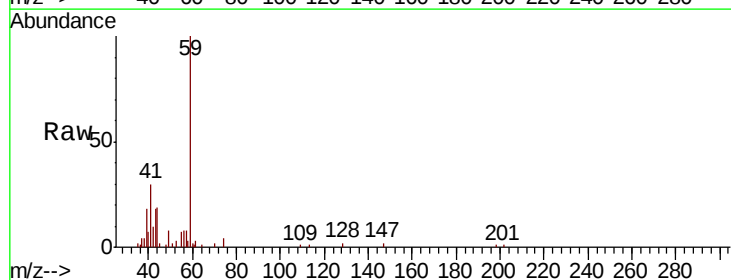
Instrument :
 MSVOA_L
 ClientSampleId :

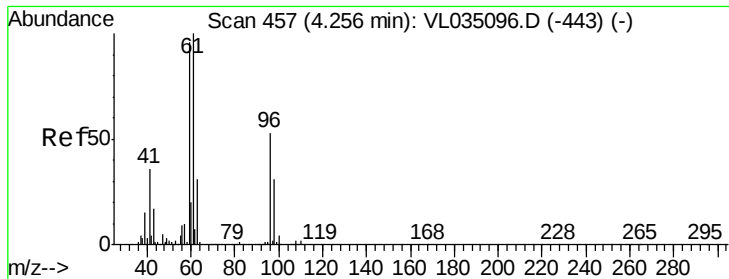
Tot Ion: 39 Resp: 140303
 Ion Ratio Lower Upper
 39 100
 54 6.8 67.0 100.4#



#17
 tert-Butyl alcohol
 Concen: 0.278 ppbv
 RT: 4.29 min Scan# 469
 Delta R.T. 0.04 min
 Lab File: VL035135.D
 Acq: 30 Jun 2020 21:31

Tgt Ion: 59 Resp: 36863
 Ion Ratio Lower Upper
 59 100
 57 14.5 8.6 12.8#





#18

1,1-Dichloroethene

Concen: 0.091 ppbv

RT: 4.26 min Scan# 459

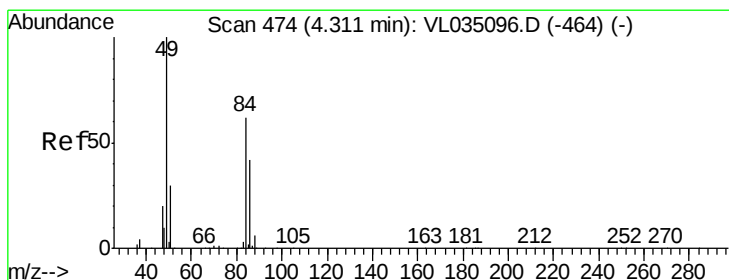
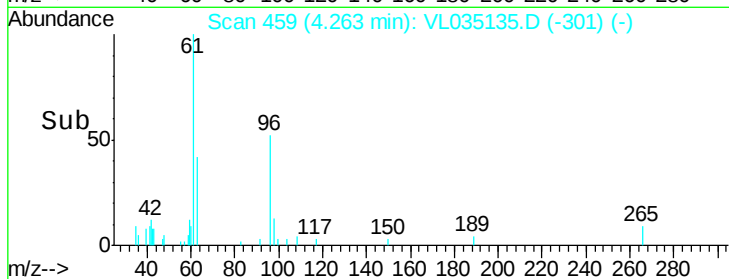
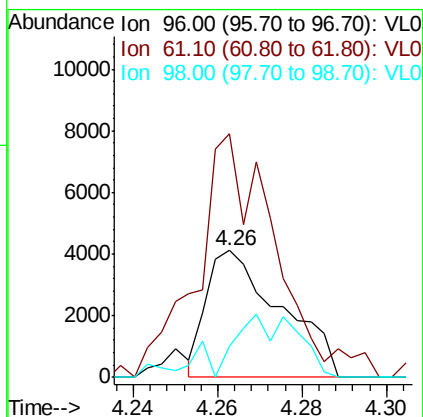
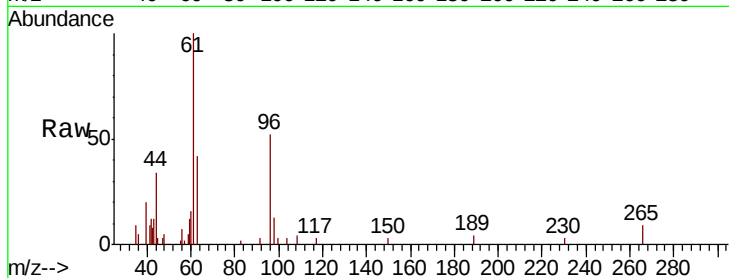
Delta R.T. 0.01 min

Lab File: VL035135.D

Acq: 30 Jun 2020 21:31

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:	96	Resp:	5046
Ion	Ratio	Lower	Upper
96	100		
61	169.1	152.2	228.4
98	25.0	47.7	71.5#



#20

Methylene Chloride

Concen: 0.326 ppbv

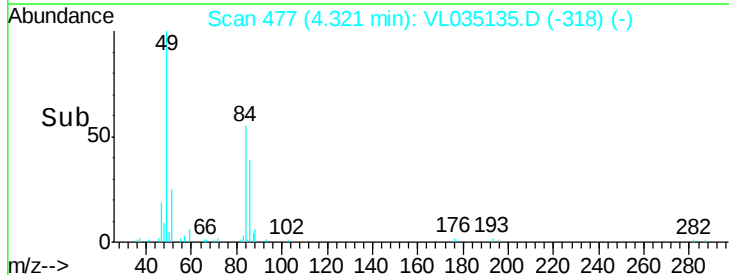
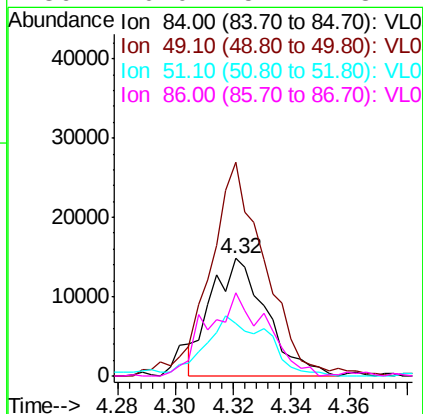
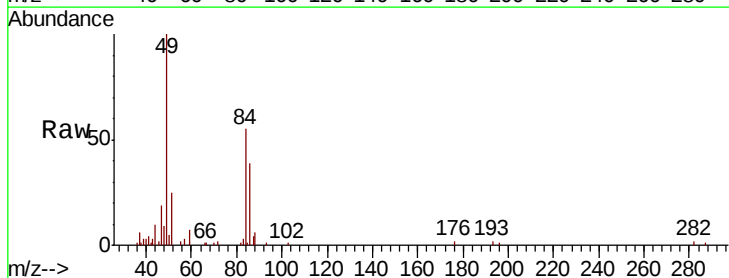
RT: 4.32 min Scan# 477

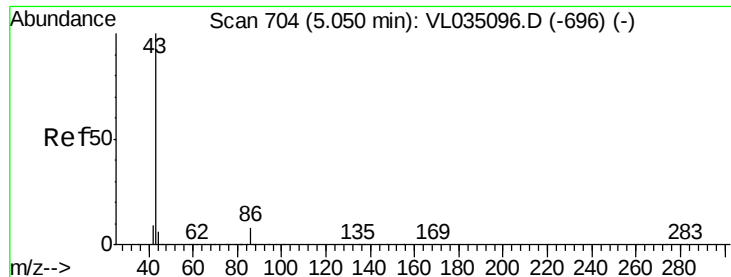
Delta R.T. 0.01 min

Lab File: VL035135.D

Acq: 30 Jun 2020 21:31

Tgt Ion:	84	Resp:	19753
Ion	Ratio	Lower	Upper
84	100		
49	176.0	128.8	193.2
51	45.1	38.7	58.1
86	70.0	54.1	81.1





#23

Vinyl Acetate

Concen: 0.308 ppbv

RT: 5.16 min Scan# 737

Delta R.T. 0.11 min

Lab File: VL035135.D

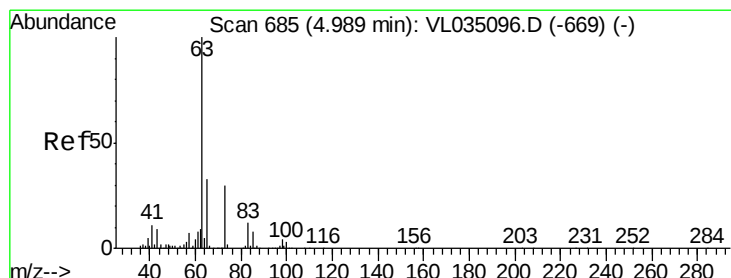
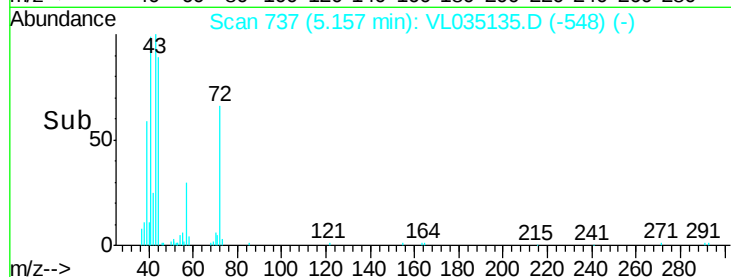
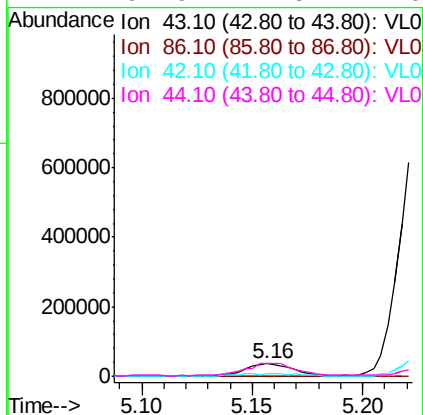
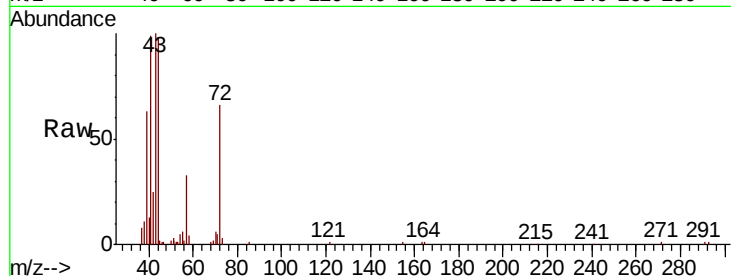
Acq: 30 Jun 2020 21:31

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	43	Resp:	55953
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.2	9.2#
42	24.7	8.1	12.1#
44	92.9	4.6	7.0#



#24

1,1-Dichloroethane

Concen: 0.270 ppbv

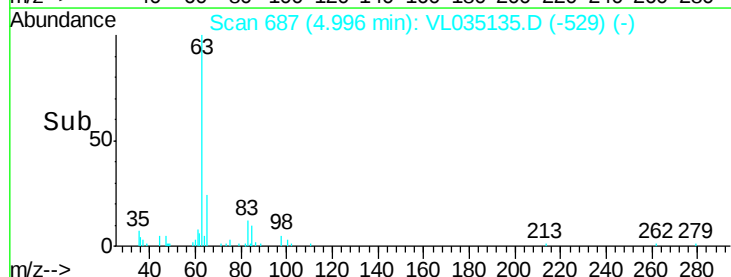
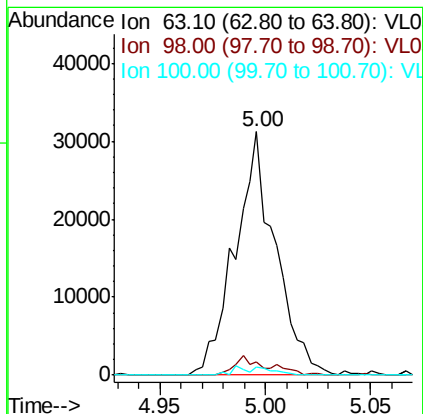
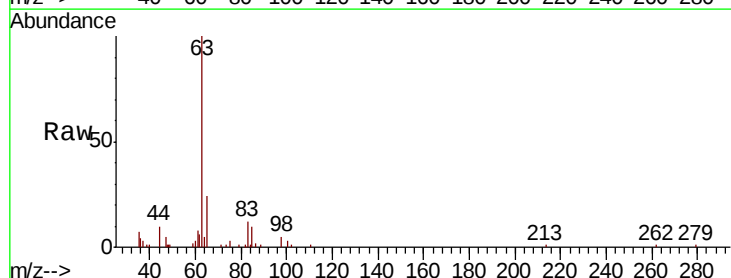
RT: 5.00 min Scan# 687

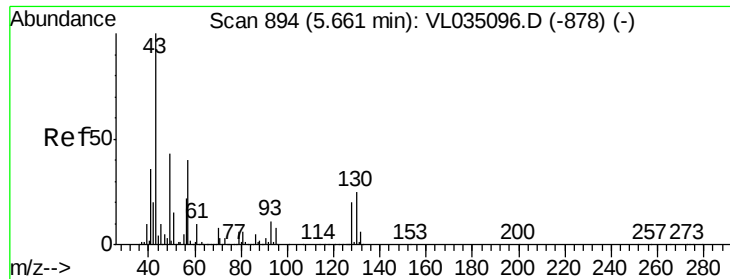
Delta R.T. 0.01 min

Lab File: VL035135.D

Acq: 30 Jun 2020 21:31

Tgt Ion:	63	Resp:	41404
Ion	Ratio	Lower	Upper
63	100		
98	5.3	2.3	6.9
100	3.1	1.4	4.0

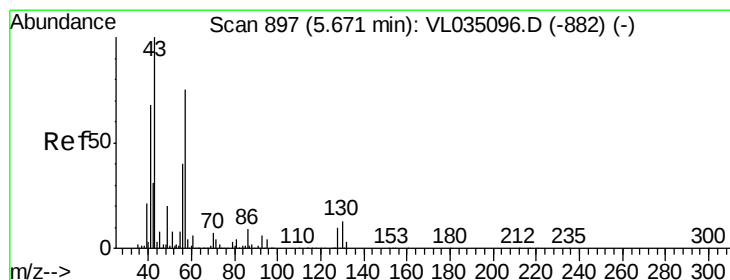
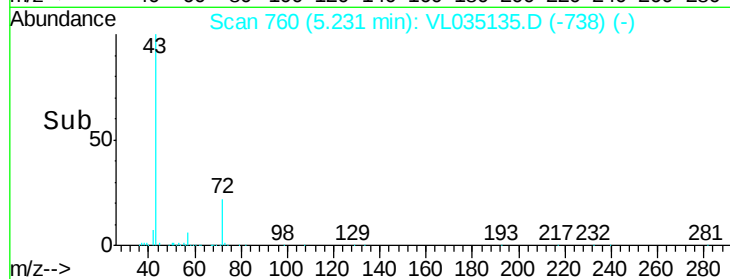
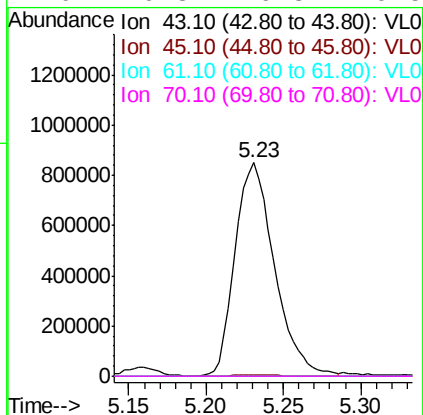
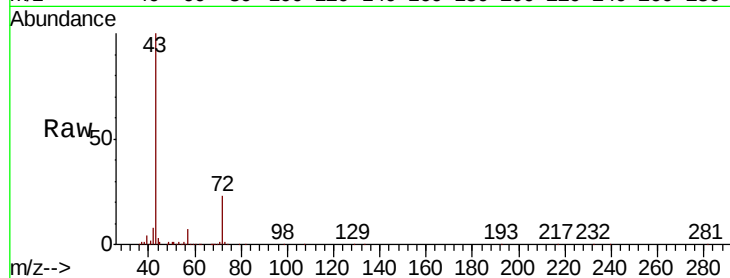




#25
Ethyl Acetate
Concen: 5.571 ppbv
RT: 5.23 min Scan# 760
Delta R.T. -0.43 min
Lab File: VL035135.D
Acq: 30 Jun 2020 21:31

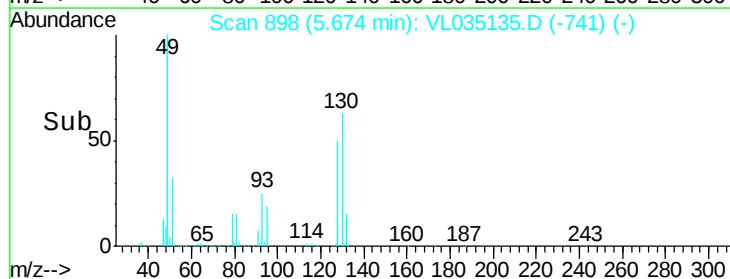
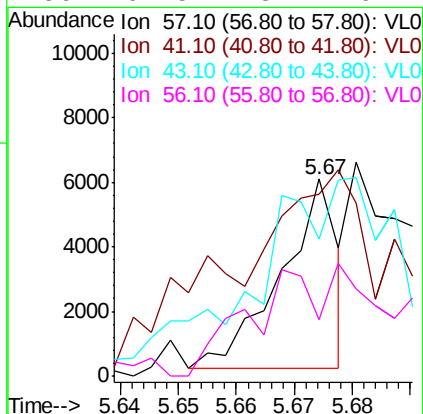
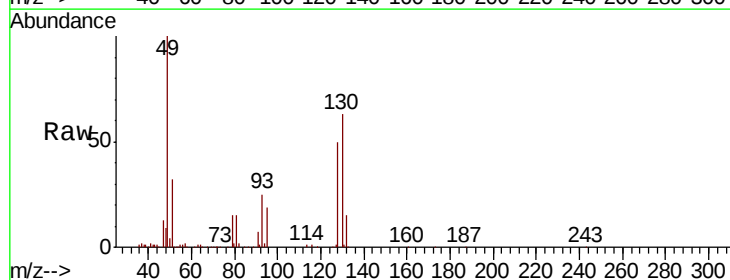
Instrument :
MSVOA_L
ClientSampleId :

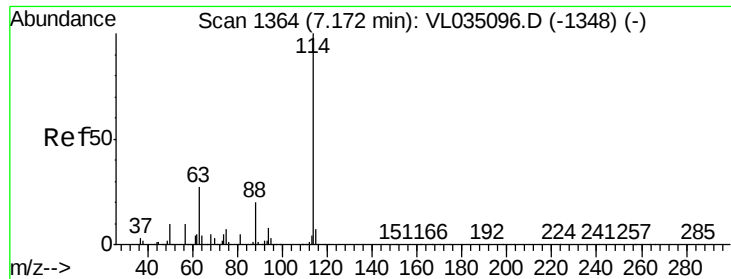
Tot Ion: 43 Resp: 1505436
Ion Ratio Lower Upper
43 100
45 0.7 8.4 12.6#
61 0.0 8.0 12.0#
70 0.3 6.3 9.5#



#26
Hexane
Concen: 0.032 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL035135.D
Acq: 30 Jun 2020 21:31

Tgt Ion: 57 Resp: 3956
Ion Ratio Lower Upper
57 100
41 361.6 72.9 109.3#
43 0.0 181.3 271.9#
56 161.5 43.1 64.7#

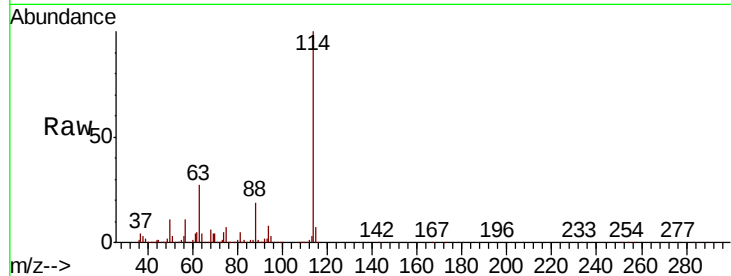




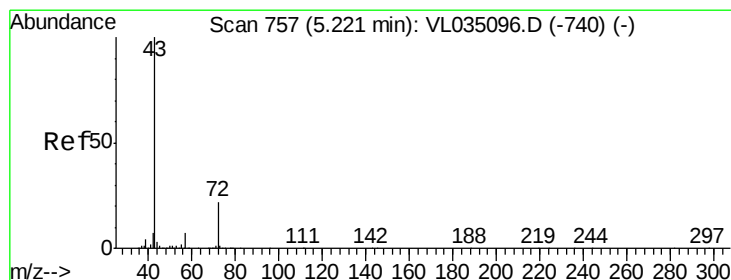
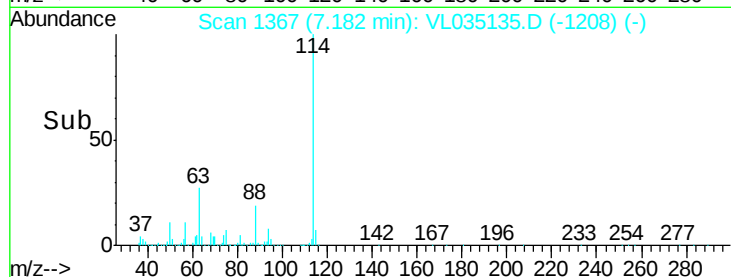
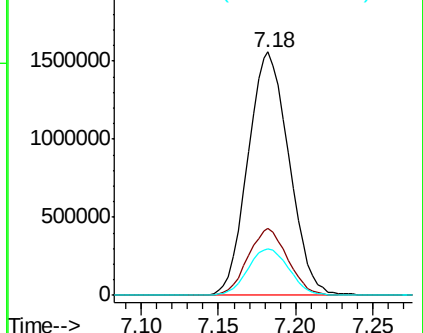
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. 0.01 min
 Lab File: VL035135.D
 Acq: 30 Jun 2020 21:31

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2882728
 Ion Ratio Lower Upper
 114 100
 63 26.9 21.9 32.9
 88 19.4 15.6 23.4

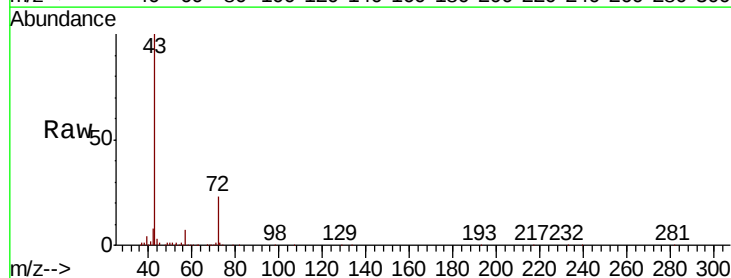


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

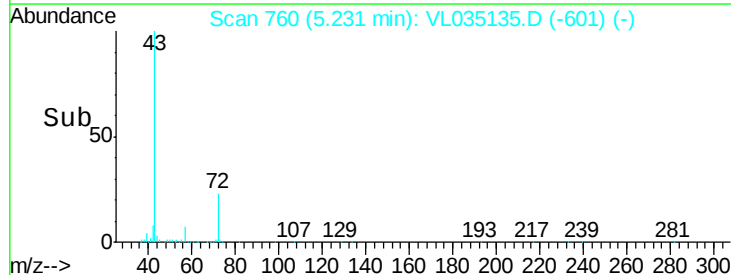
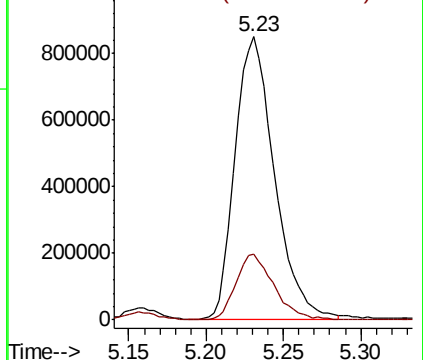


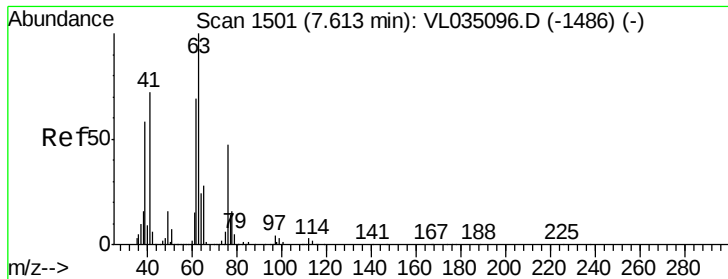
#34
 2-Butanone
 Concen: 9.094 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.01 min
 Lab File: VL035135.D
 Acq: 30 Jun 2020 21:31

Tgt Ion: 43 Resp: 1505436
 Ion Ratio Lower Upper
 43 100
 72 22.8 18.3 27.5



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





#39

1,2-Dichloropropane

Concen: 8.808 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.43 min

Lab File: VL035135.D

Acq: 30 Jun 2020 21:31

Instrument :

MSVOA_L

ClientSampled :

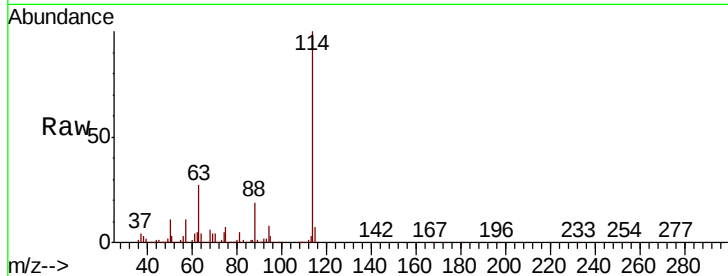
Tot Ion: 63 Resp: 768966

Ion Ratio Lower Upper

63 100

41 0.6 58.0 87.0#

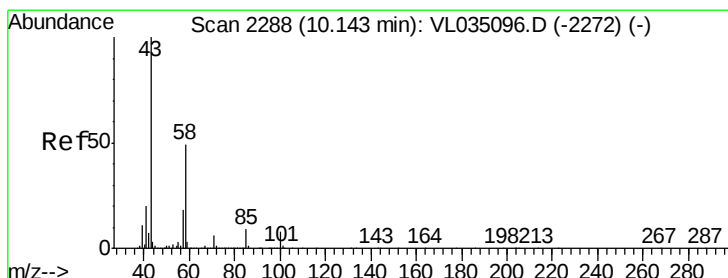
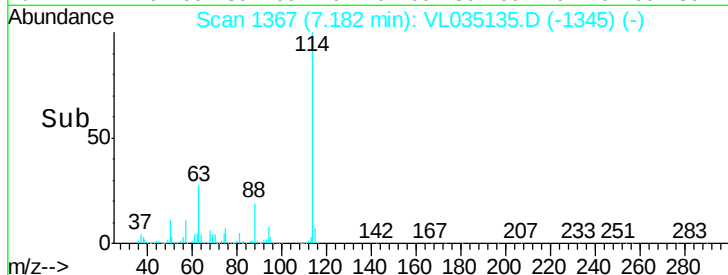
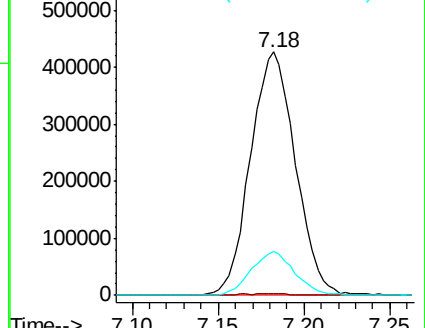
62 18.2 55.4 83.0#



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



#51

2-Hexanone

Concen: 0.283 ppbv

RT: 10.17 min Scan# 2295

Delta R.T. 0.02 min

Lab File: VL035135.D

Acq: 30 Jun 2020 21:31

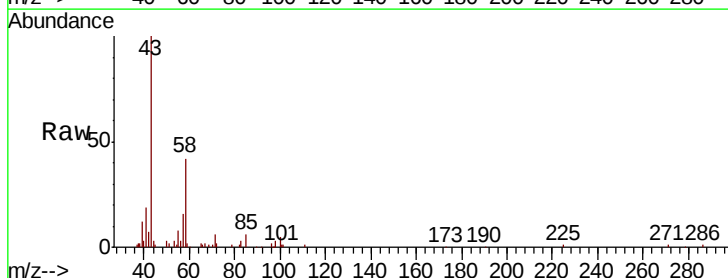
Tgt Ion: 43 Resp: 52188

Ion Ratio Lower Upper

43 100

58 0.0 39.2 58.8#

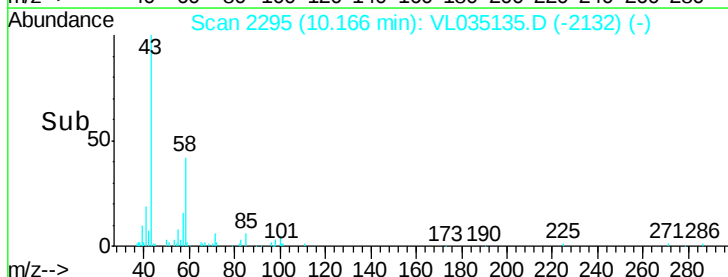
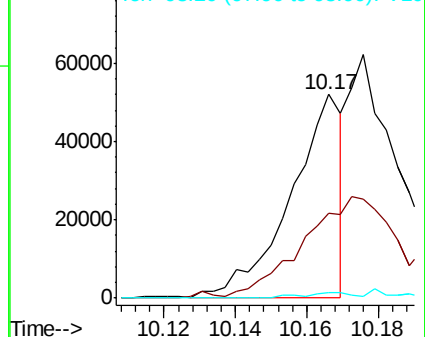
98 0.0 0.3 0.5#

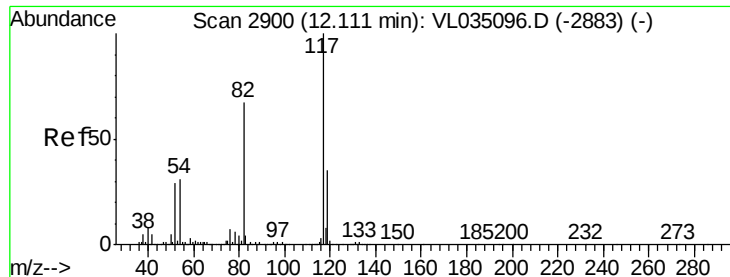


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0

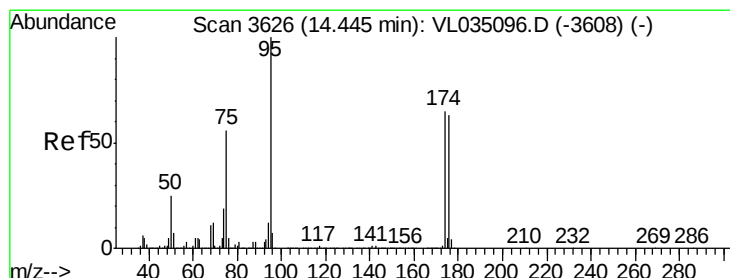
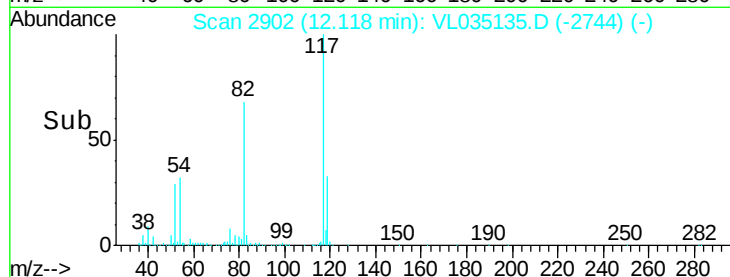
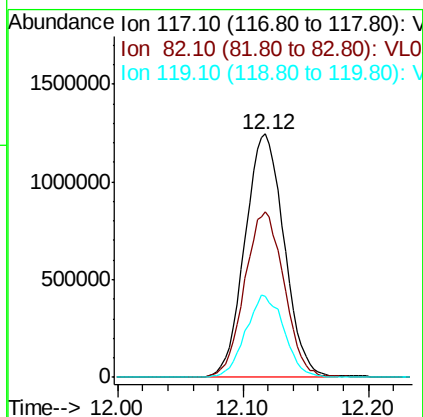
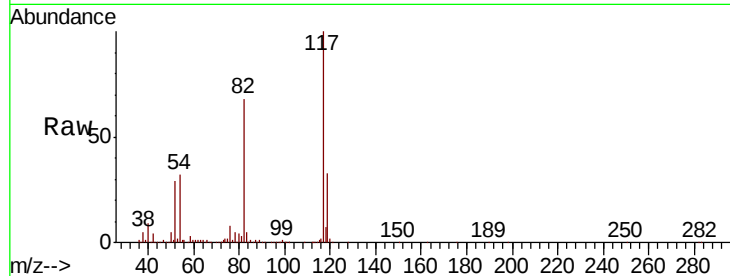




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. 0.01 min
Lab File: VL035135.D
Acq: 30 Jun 2020 21:31

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2708768
Ion Ratio Lower Upper
117 100
82 69.0 50.4 75.6
119 33.2 25.4 38.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.193 ppbv
RT: 14.45 min Scan# 3628
Delta R.T. 0.01 min
Lab File: VL035135.D
Acq: 30 Jun 2020 21:31

Tgt Ion: 95 Resp: 2293507
Ion Ratio Lower Upper
95 100
174 65.7 52.2 78.2
175 5.0 4.0 6.0

