

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036588.D
 Acq On : 31 Mar 2021 3:30
 Operator : SY/AP
 Sample : M1797-04 80X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 31 05:19:28 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1262537	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2920739	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	2638983	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	1980757	9.42	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.20%

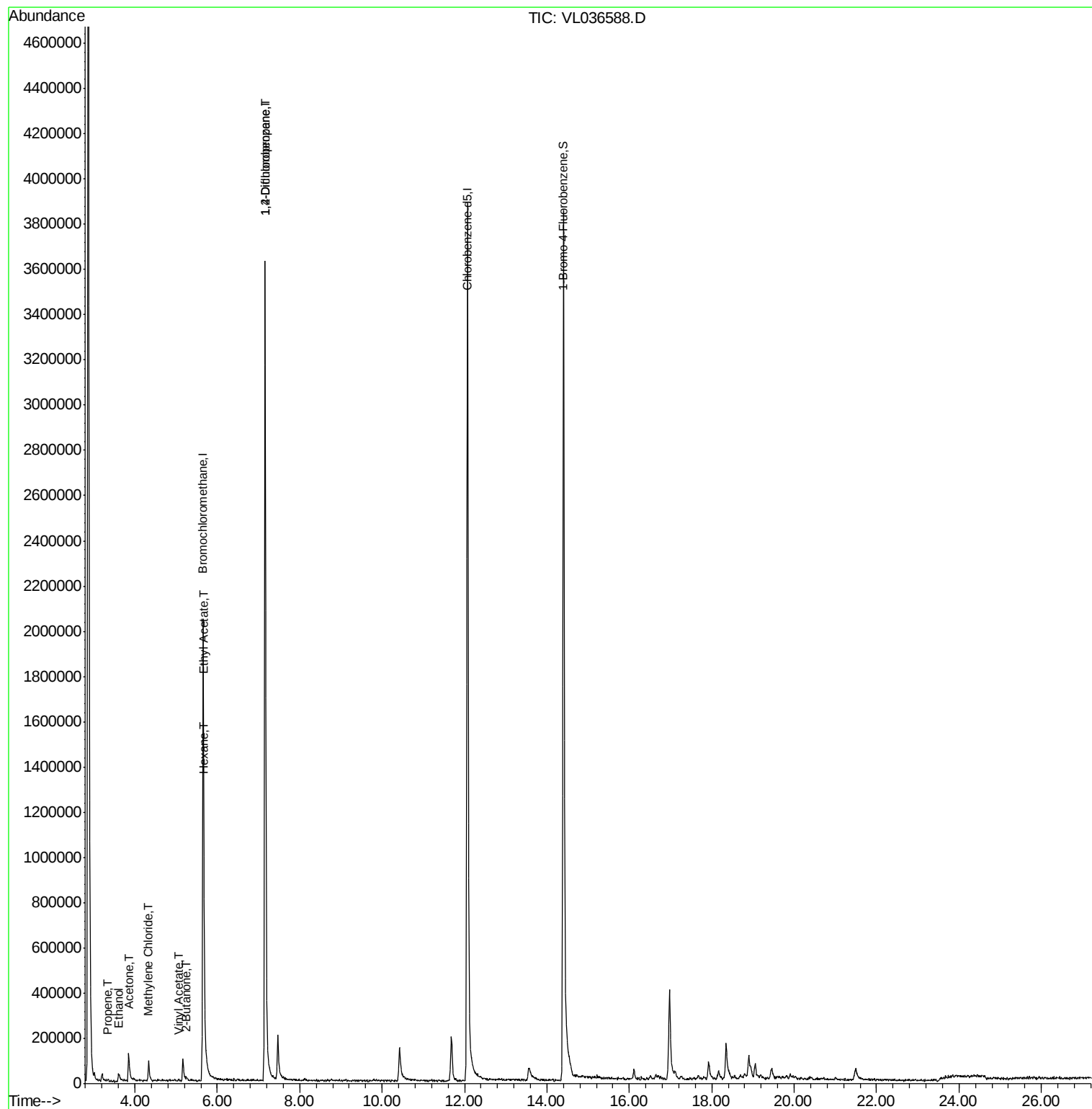
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.35	41	2051	0.027	ppbv	83
13) Ethanol	3.60	45	15463	1.727	ppbv #	34
15) Acetone	3.85	43	164841	1.327	ppbv #	76
20) Methylene Chloride	4.33	84	29454	0.506	ppbv	95
23) Vinyl Acetate	5.06	43	4470	0.021	ppbv #	67
25) Ethyl Acetate	5.67	43	25249	0.085	ppbv #	83
26) Hexane	5.68	57	26555	0.194	ppbv #	45
34) 2-Butanone	5.24	43	5813	0.041	ppbv #	1
39) 1,2-Dichloropropane	7.16	63	799856	7.320	ppbv #	25

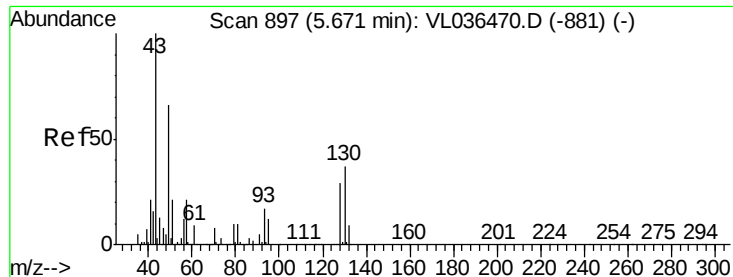
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.02 min

Lab File: VL036588.D

Acq: 31 Mar 2021 3:30

Instrument :
MSVOA_L
ClientSampleId :

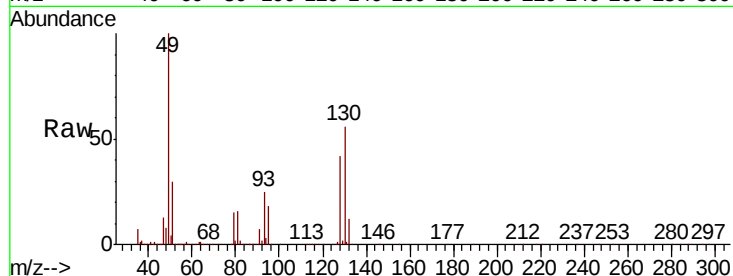
Tot Ion: 49 Resp: 1262537

Ion Ratio Lower Upper

49 100

128 46.0 23.5 70.6

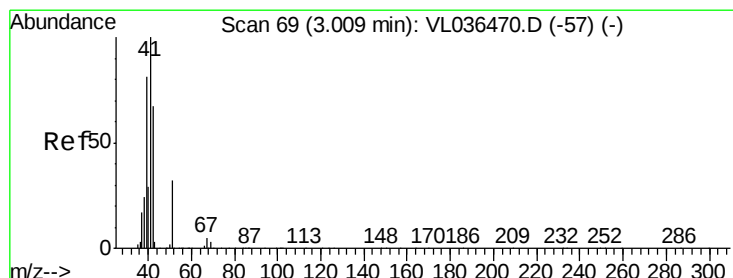
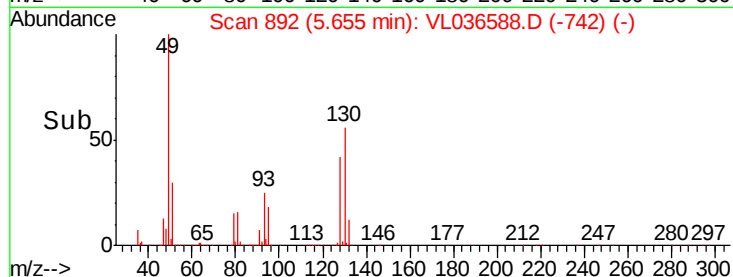
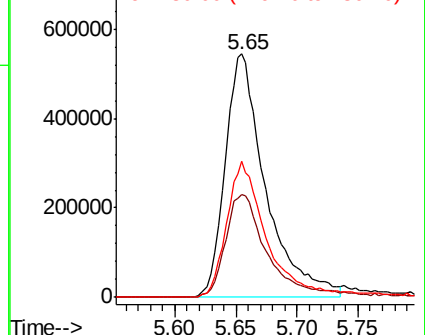
130 56.1 29.1 87.4



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: 0.027 ppbv

RT: 3.35 min Scan# 175

Delta R.T. 0.34 min

Lab File: VL036588.D

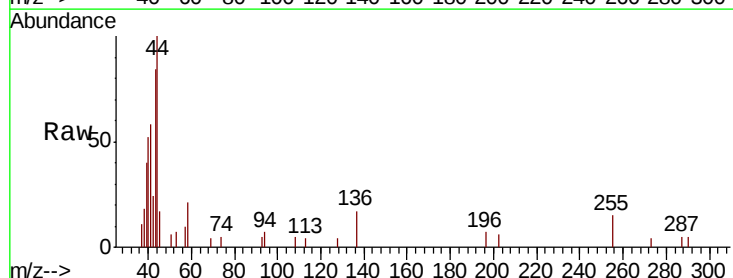
Acq: 31 Mar 2021 3:30

Tgt Ion: 41 Resp: 2051

Ion Ratio Lower Upper

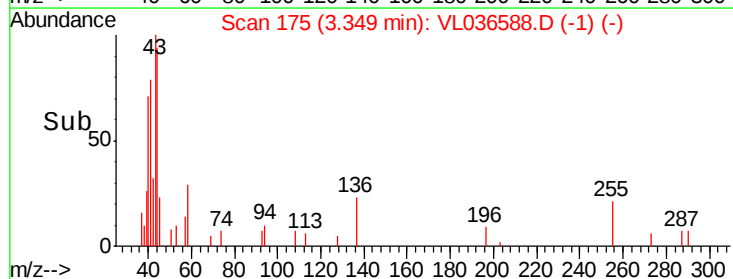
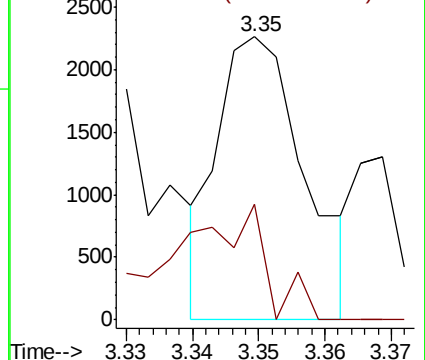
41 100

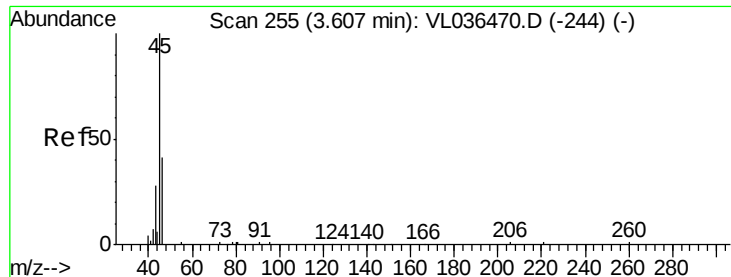
42 57.5 57.0 85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

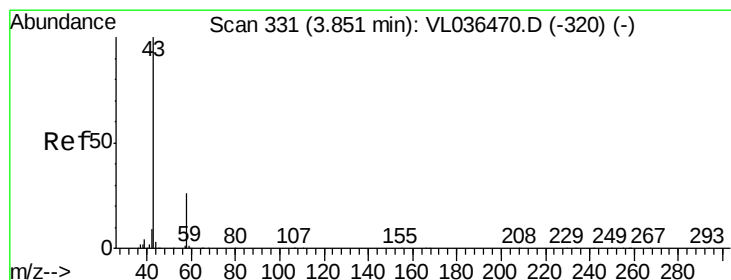
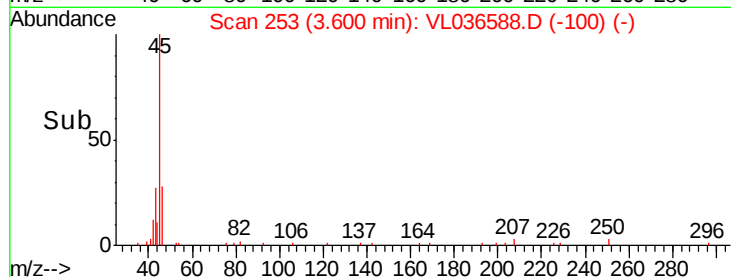
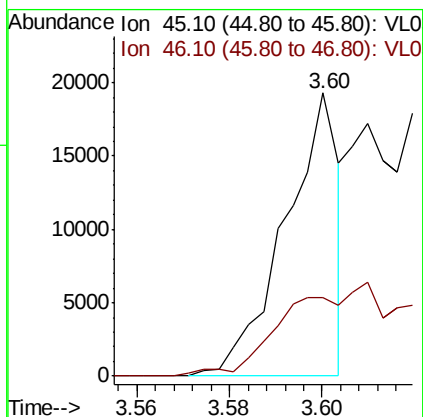
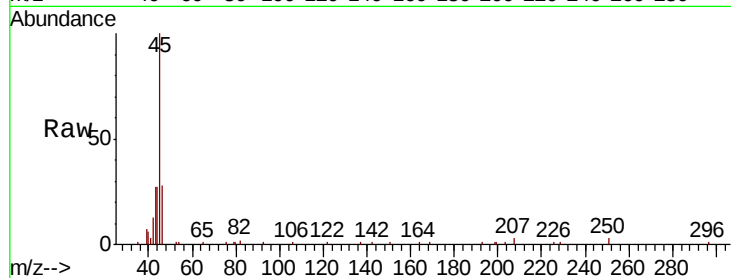




#13
Ethanol
Concen: 1.727 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.01 min
Lab File: VL036588.D
Acq: 31 Mar 2021 3:30

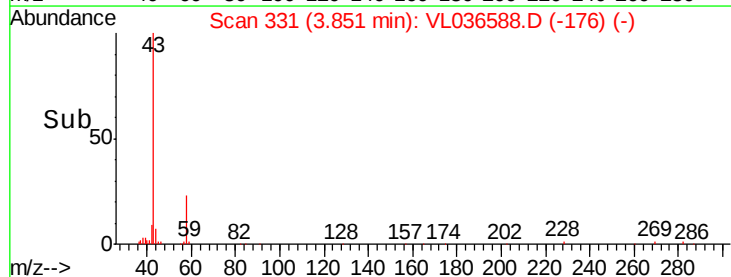
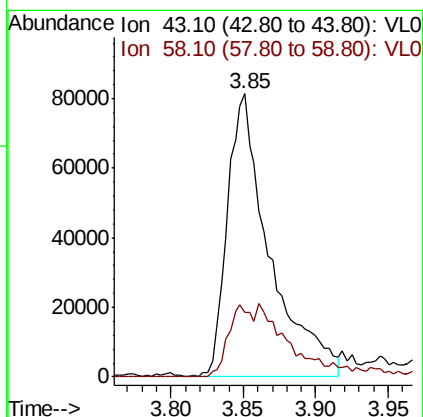
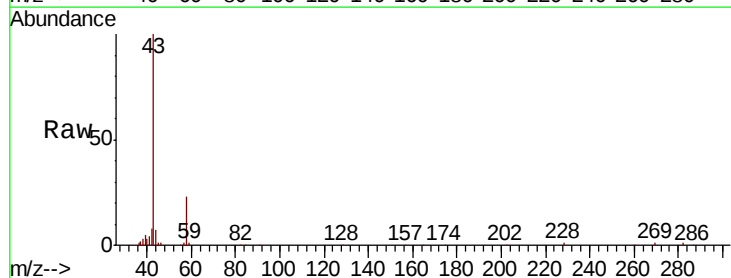
Instrument :
MSVOA_L
ClientSampleId :

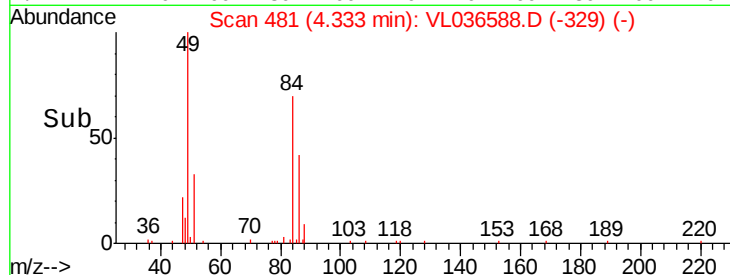
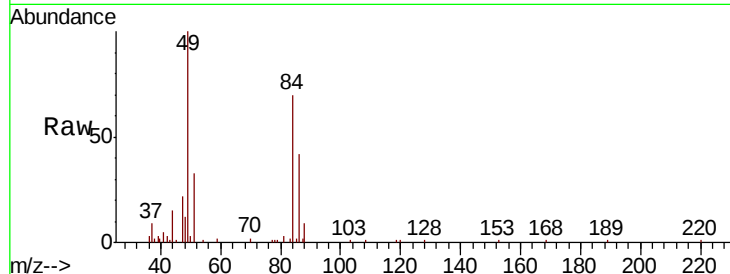
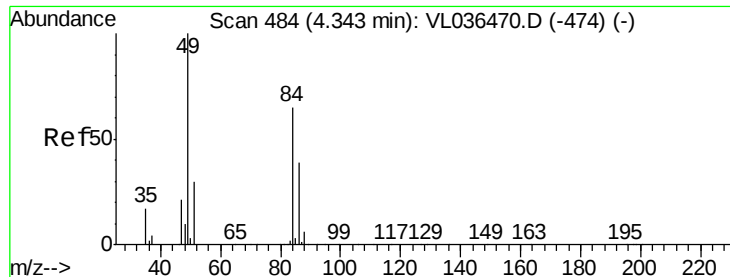
Tot Ion: 45 Resp: 15463
Ion Ratio Lower Upper
45 100
46 0.0 16.6 66.2#



#15
Acetone
Concen: 1.327 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL036588.D
Acq: 31 Mar 2021 3:30

Tgt Ion: 43 Resp: 164841
Ion Ratio Lower Upper
43 100
58 38.8 21.2 31.8#

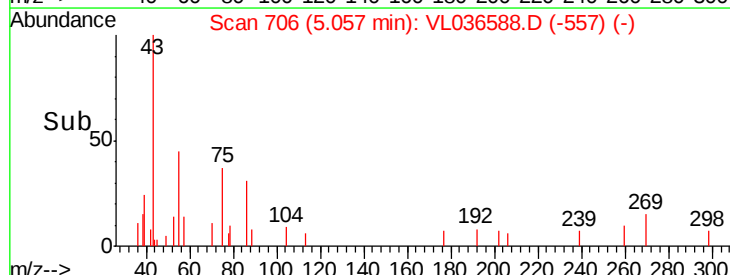
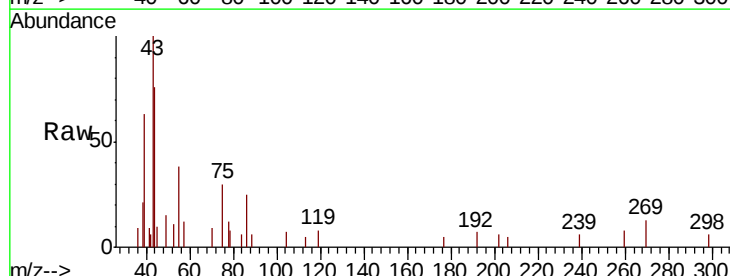
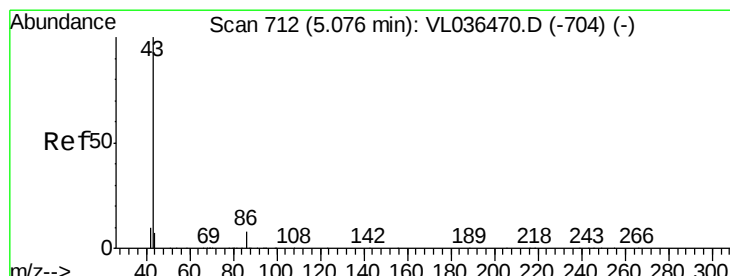
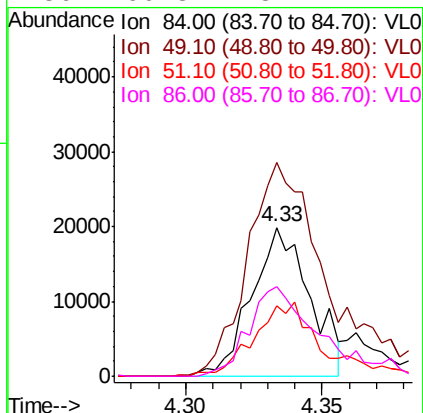




#20
Methvlene Chloride
Concen: 0.506 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.01 min
Lab File: VL036588.D
Acq: 31 Mar 2021 3:30

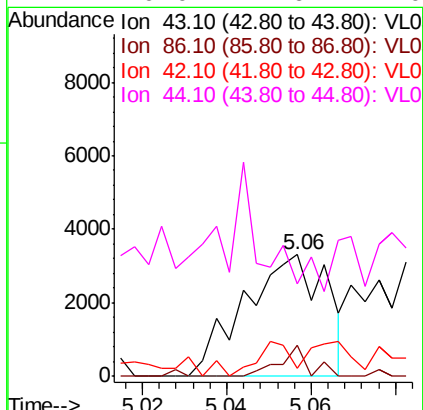
Instrument :
MSVOA_L
ClientSampleId :

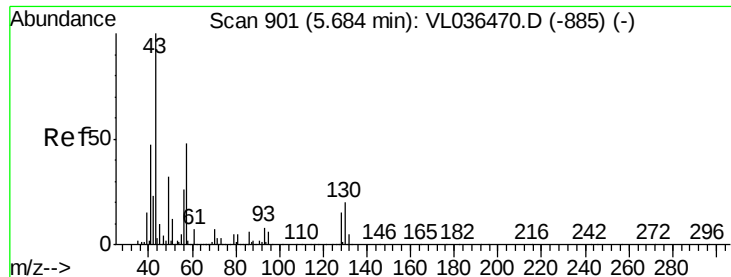
Tot Ion: 84 Resp: 29454
Ion Ratio Lower Upper
84 100
49 142.8 122.9 184.3
51 47.8 36.9 55.3
86 60.3 48.2 72.4



#23
Vinyl Acetate
Concen: 0.021 ppbv
RT: 5.06 min Scan# 706
Delta R.T. -0.02 min
Lab File: VL036588.D
Acq: 31 Mar 2021 3:30

Tgt Ion: 43 Resp: 4470
Ion Ratio Lower Upper
43 100
86 25.5 5.4 8.0#
42 0.0 8.5 12.7#
44 0.0 4.6 7.0#

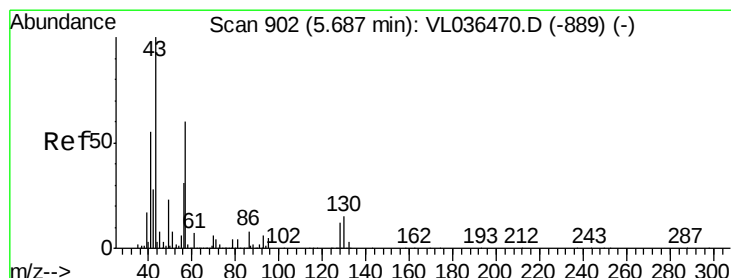
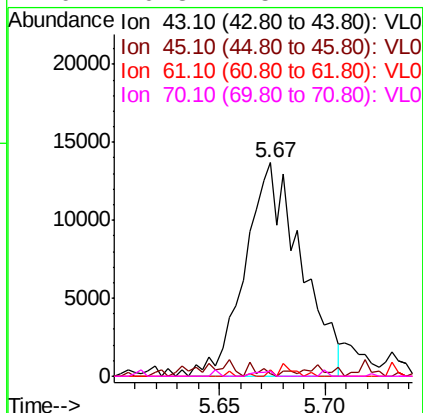
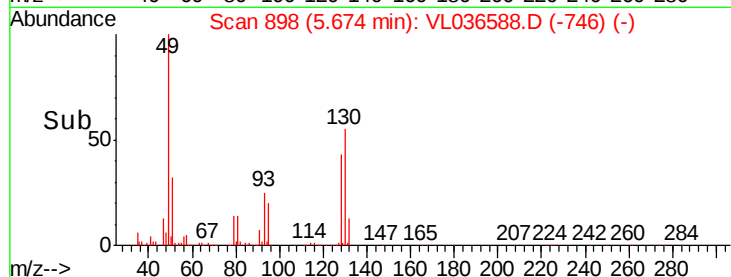
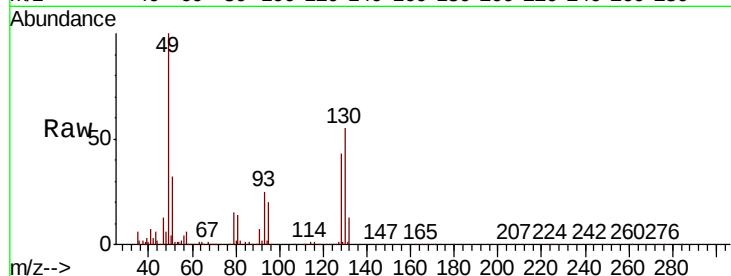




#25
Ethyl Acetate
Concen: 0.085 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL036588.D
Acq: 31 Mar 2021 3:30

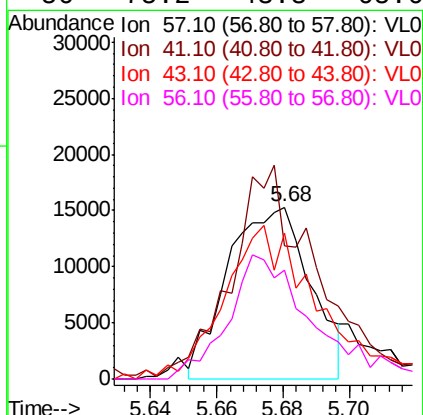
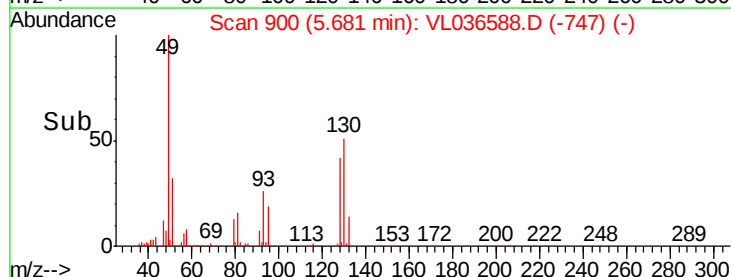
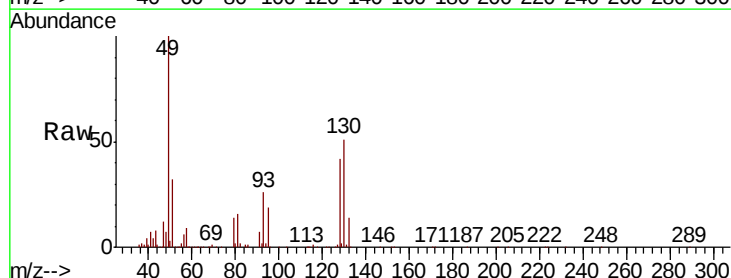
Instrument :
MSVOA_L
ClientSampleId :

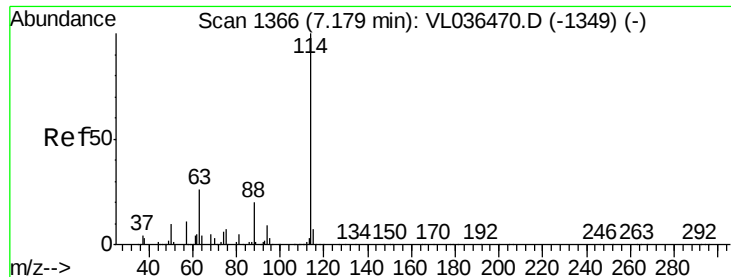
Tot Ion:	43	Resp:	25249
Ion	Ratio	Lower	Upper
43	100		
45	4.6	7.9	11.9#
61	1.7	7.4	11.2#
70	0.8	5.1	7.7#



#26
Hexane
Concen: 0.194 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL036588.D
Acq: 31 Mar 2021 3:30

Tgt Ion:	57	Resp:	26555
Ion	Ratio	Lower	Upper
57	100		
41	139.2	77.2	115.8#
43	109.7	173.8	260.6#
56	75.2	43.8	65.6#

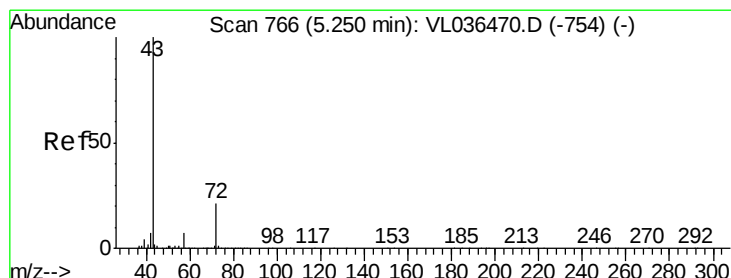
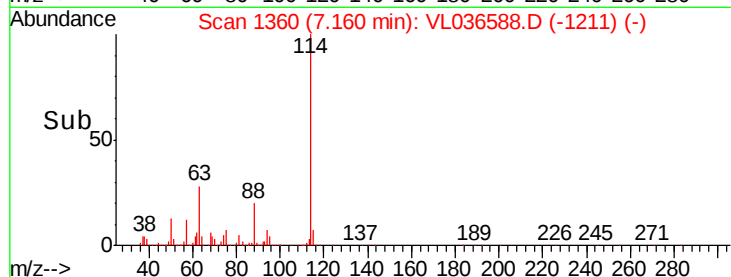
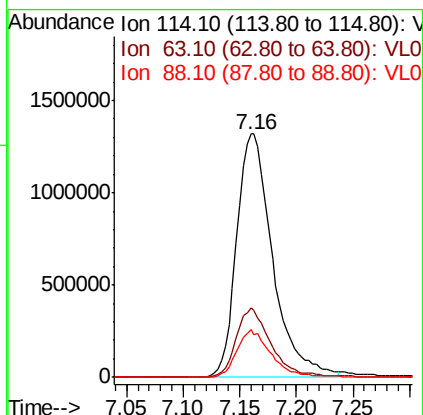
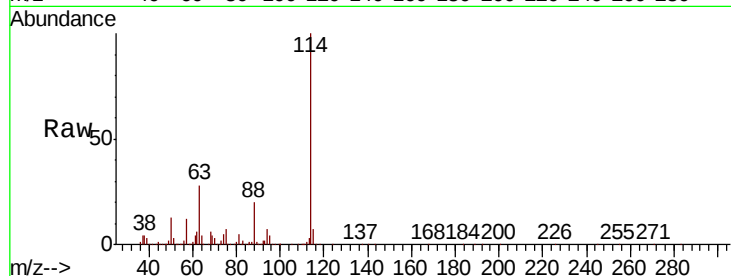




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.02 min
 Lab File: VL036588.D
 Acq: 31 Mar 2021 3:30

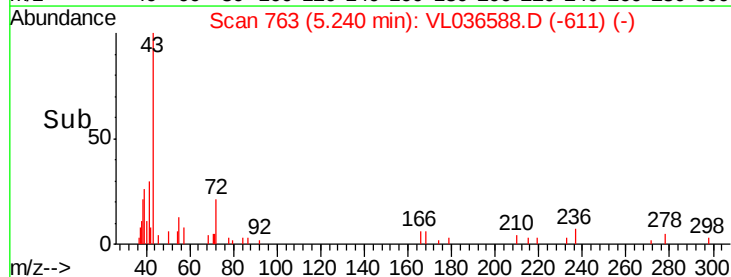
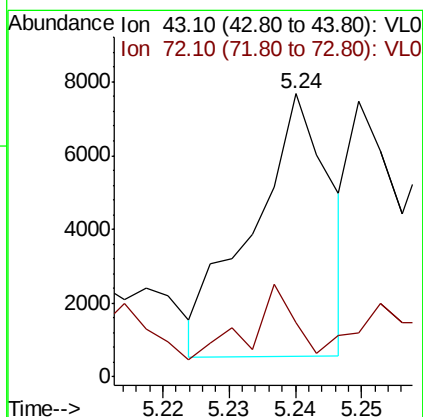
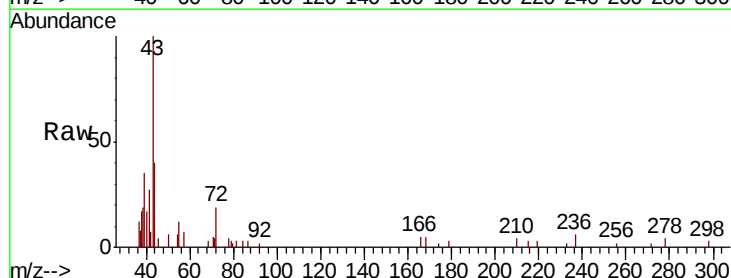
Instrument :
 MSVOA_L
 ClientSampleId :

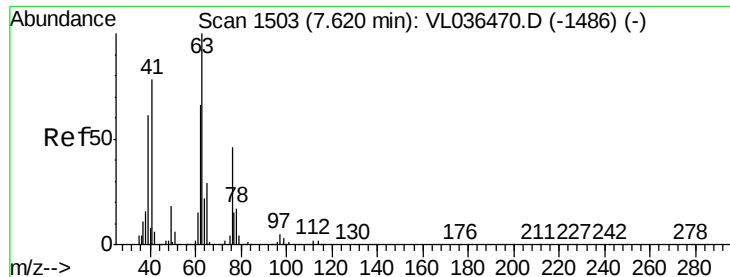
Tot Ion:114 Resp: 2920739
 Ion Ratio Lower Upper
 114 100
 63 28.3 22.4 33.6
 88 19.1 15.4 23.0



#34
 2-Butanone
 Concen: 0.041 ppbv
 RT: 5.24 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: VL036588.D
 Acq: 31 Mar 2021 3:30

Tgt Ion: 43 Resp: 5813
 Ion Ratio Lower Upper
 43 100
 72 87.6 17.0 25.6#





#39

1,2-Dichloropropane

Concen: 7.320 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.46 min

Lab File: VL036588.D

Acq: 31 Mar 2021 3:30

Instrument :

MSVOA_L

ClientSampleId :

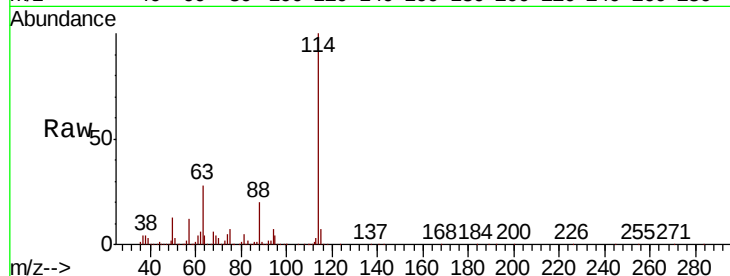
Tot Ion: 63 Resp: 799856

Ion Ratio Lower Upper

63 100

41 0.0 62.4 93.6#

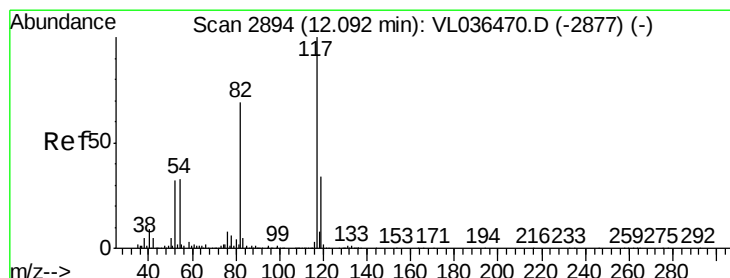
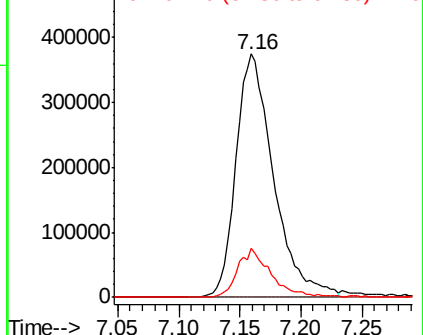
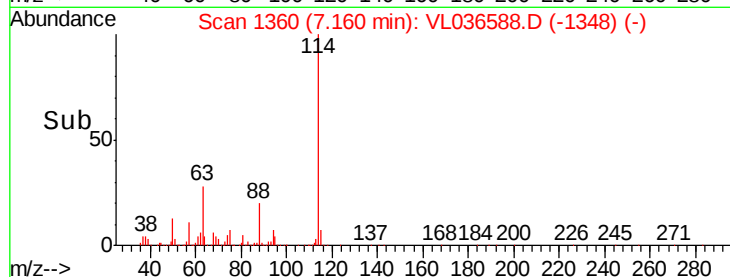
62 20.3 52.8 79.2#



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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2887

Delta R.T. -0.02 min

Lab File: VL036588.D

Acq: 31 Mar 2021 3:30

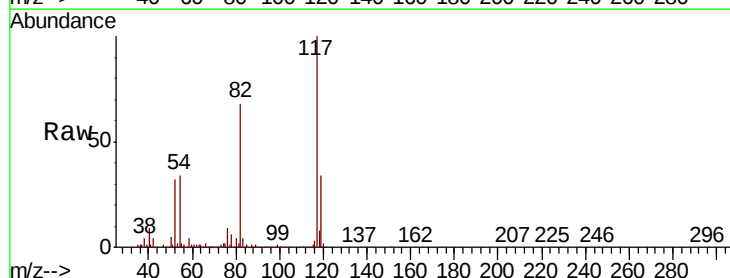
Tgt Ion: 117 Resp: 2638983

Ion Ratio Lower Upper

117 100

82 70.6 57.4 86.0

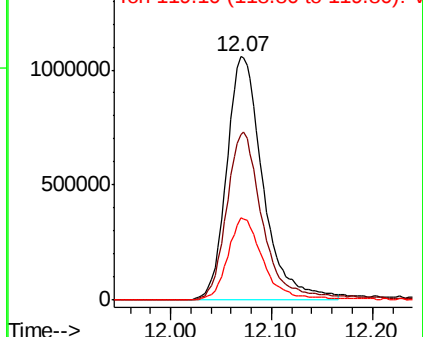
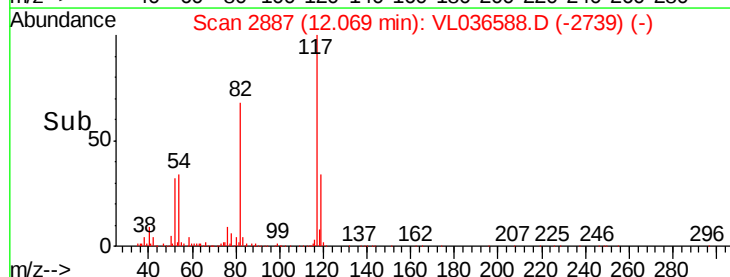
119 34.7 47.4 71.0#

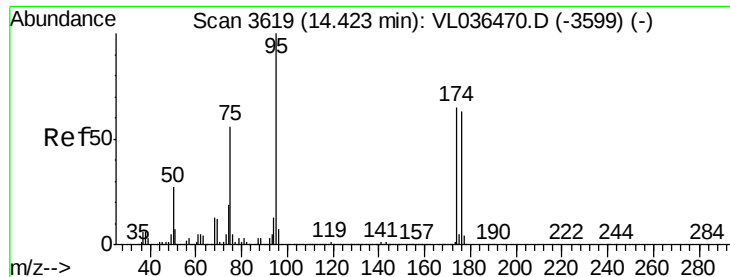


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.417 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.02 min

Lab File: VL036588.D

Acq: 31 Mar 2021 3:30

Instrument :

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ClientSampleId :

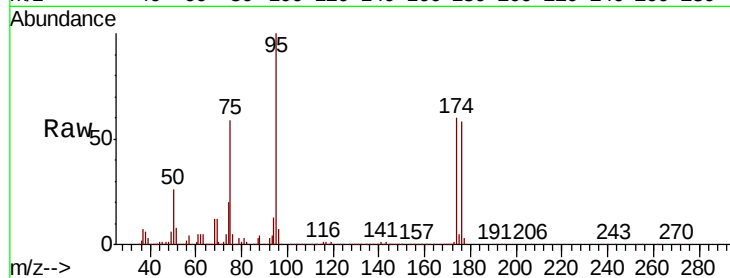
Tot Ion: 95 Resp: 1980757

Ion Ratio Lower Upper

95 100

174 67.6 51.0 76.6

175 5.0 3.9 5.9



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

