

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042821\
 Data File : VL036885.D
 Acq On : 28 Apr 2021 18:40
 Operator : SY/AP
 Sample : M2201-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 29 03:10:43 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Apr 27 16:56:35 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1318057	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	3255019	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.11	117	2854349	10.00	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2297114	10.03	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.30%

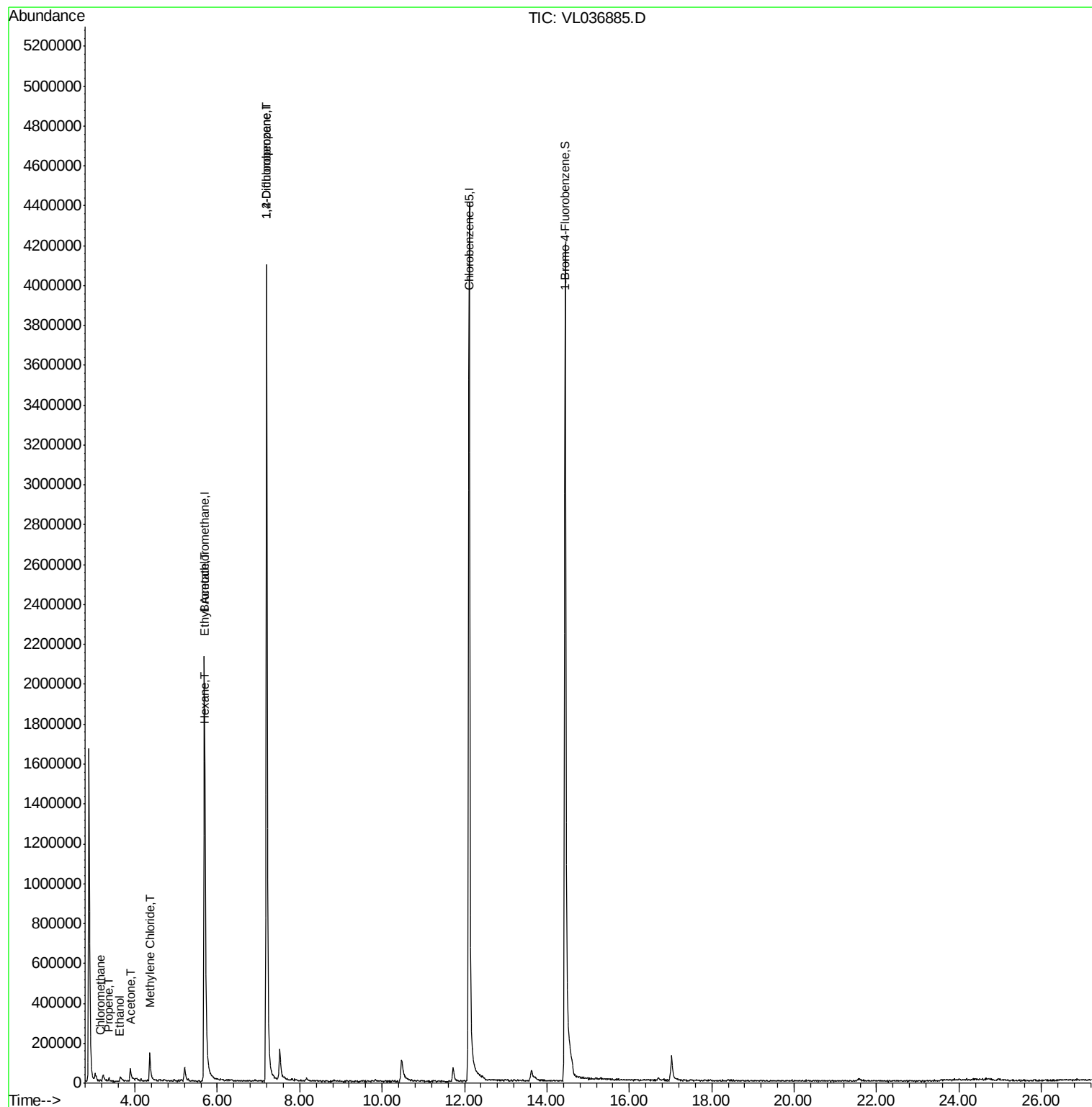
Target Compounds						Ovalue
4) Chloromethane	3.15	50	3687	0.047	ppbv	94
9) Propene	3.37	41	4542	0.062	ppbv	83
13) Ethanol	3.62	45	509	0.055	ppbv #	34
15) Acetone	3.89	43	61304	0.493	ppbv #	42
20) Methylene Chloride	4.36	84	53744	0.905	ppbv	83
25) Ethyl Acetate	5.70	43	9845	0.032	ppbv #	76
26) Hexane	5.71	57	14290	0.101	ppbv #	1
39) 1,2-Dichloropropane	7.19	63	871705	7.934	ppbv #	23

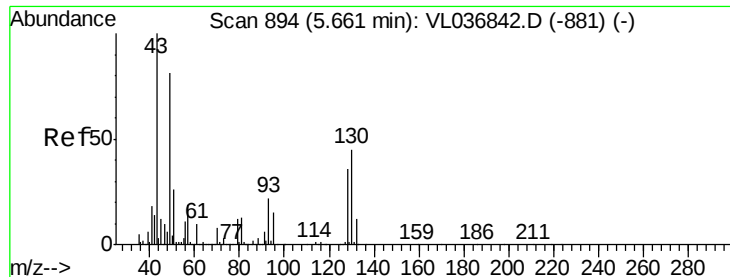
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL042821\
Data File : VL036885.D
Acq On : 28 Apr 2021 18:40
Operator : SY/AP
Sample : M2201-03DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Apr 29 03:10:43 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 16:56:35 2021
QLast Update : Tue Apr 27 16:56:35 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.03 min

Lab File: VL036885.D

Acq: 28 Apr 2021 18:40

Instrument :
MSVOA_L
ClientSampleId :

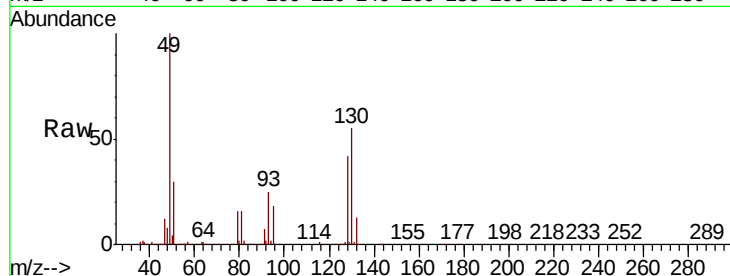
Tot Ion: 49 Resp: 1318057

Ion Ratio Lower Upper

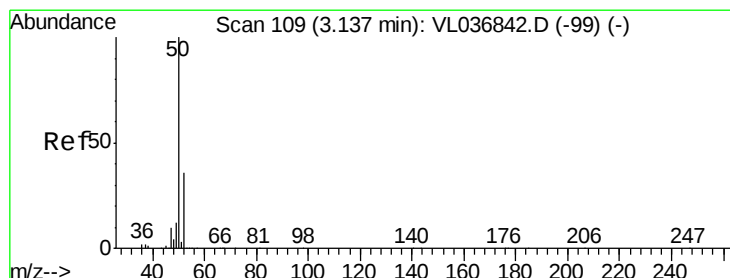
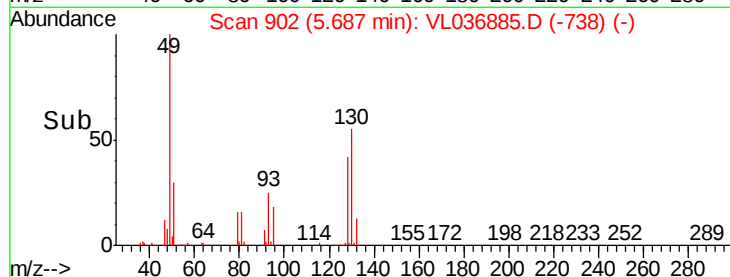
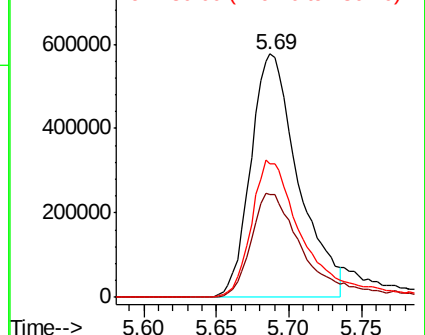
49 100

128 49.1 24.4 73.2

130 62.8 30.3 90.8



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



#4

Chloromethane

Concen: 0.047 ppbv

RT: 3.15 min Scan# 113

Delta R.T. 0.01 min

Lab File: VL036885.D

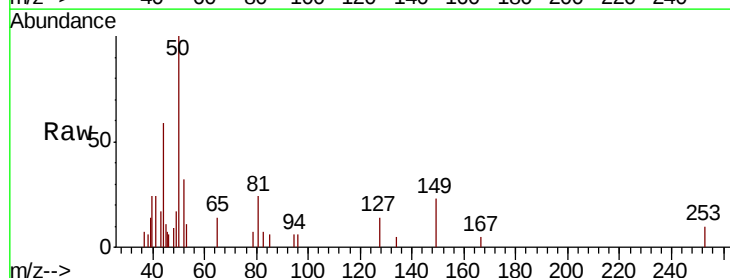
Acq: 28 Apr 2021 18:40

Tgt Ion: 50 Resp: 3687

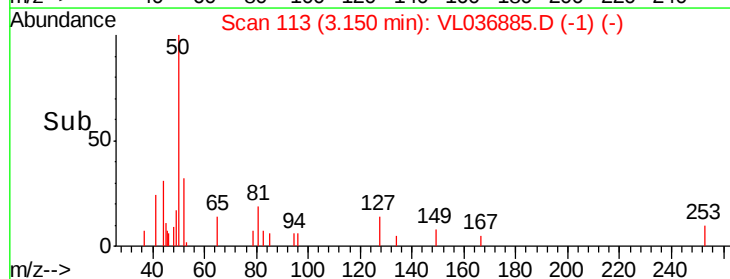
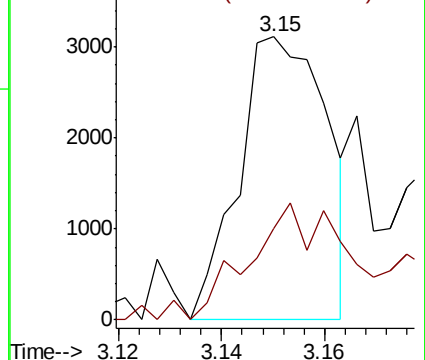
Ion Ratio Lower Upper

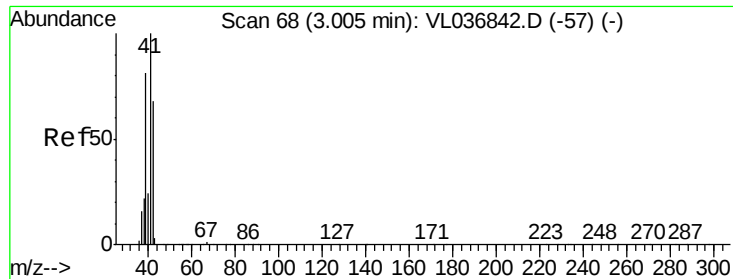
50 100

52 32.3 28.5 42.7



Abundance Ion 50.10 (49.80 to 50.80): VL0
Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.062 ppbv

RT: 3.37 min Scan# 181

Delta R.T. 0.36 min

Lab File: VL036885.D

Acq: 28 Apr 2021 18:40

Instrument :

MSVOA_L

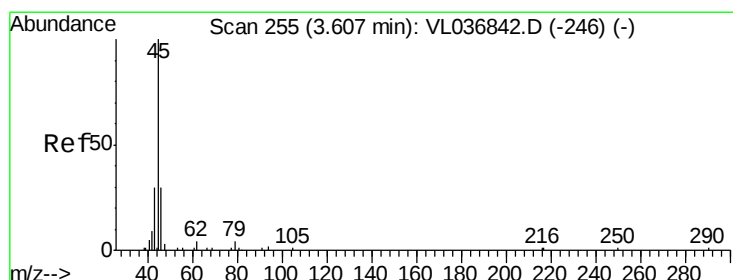
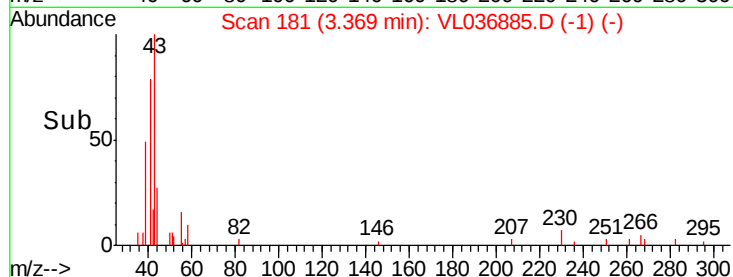
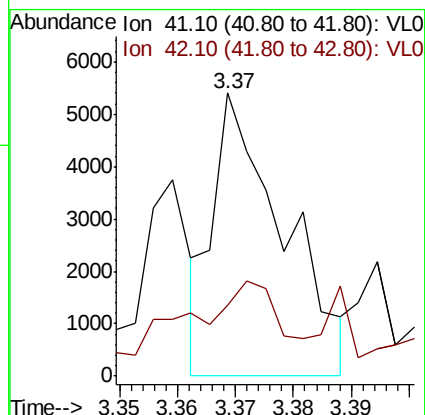
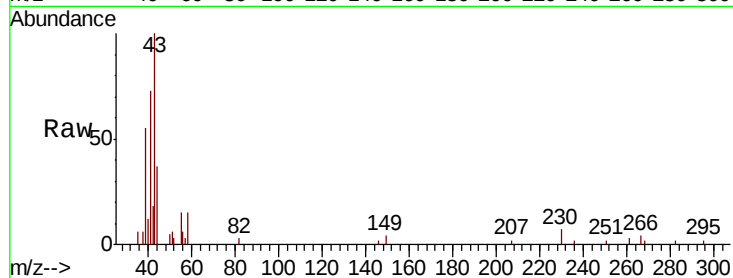
ClientSampleId :

Tot Ion: 41 Resp: 4542

Ion Ratio Lower Upper

41 100

42 83.6 56.0 84.0



#13

Ethanol

Concen: 0.055 ppbv

RT: 3.62 min Scan# 258

Delta R.T. 0.01 min

Lab File: VL036885.D

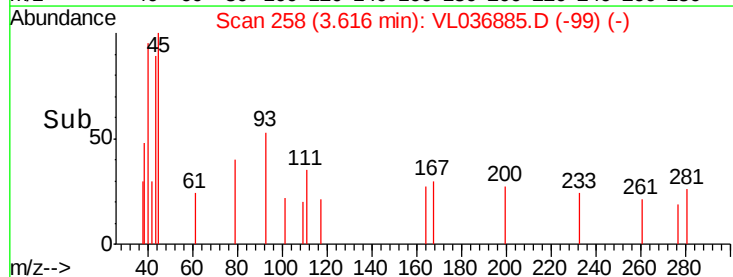
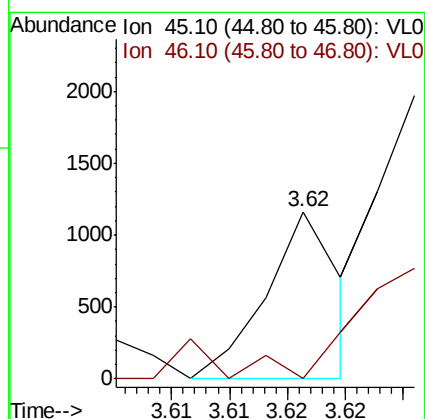
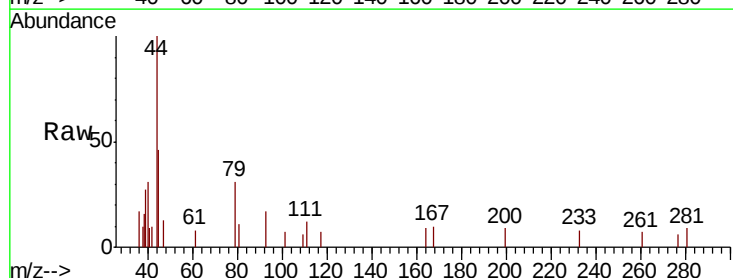
Acq: 28 Apr 2021 18:40

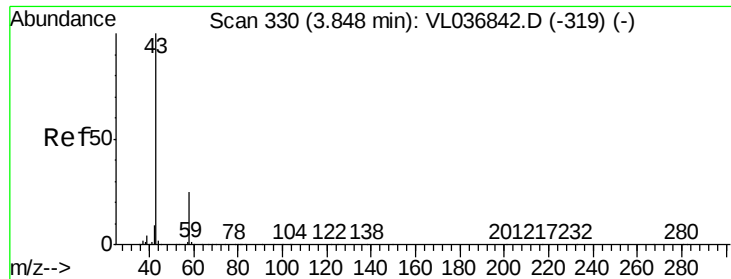
Tgt Ion: 45 Resp: 509

Ion Ratio Lower Upper

45 100

46 0.0 16.8 67.4#





#15

Acetone

Concen: 0.493 ppbv

RT: 3.89 min Scan# 342

Delta R.T. 0.04 min

Lab File: VL036885.D

Acq: 28 Apr 2021 18:40

Instrument :

MSVOA_L

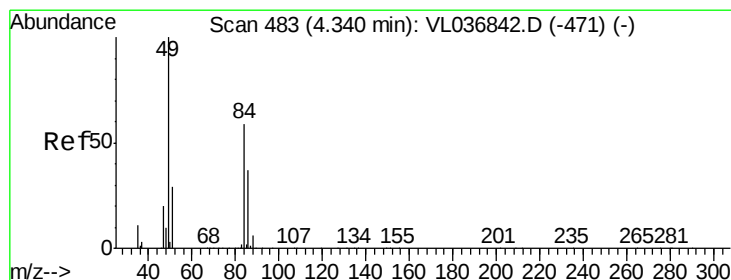
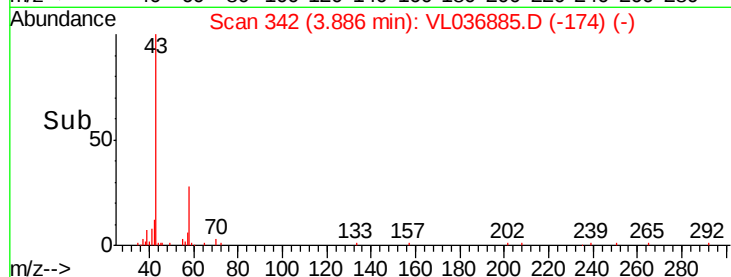
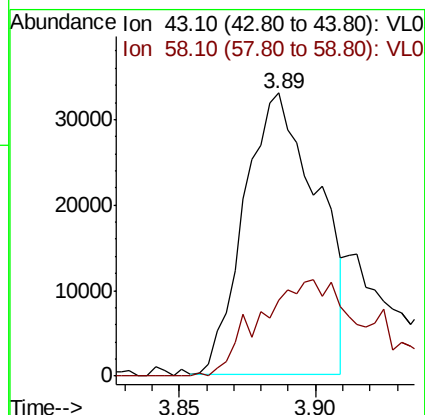
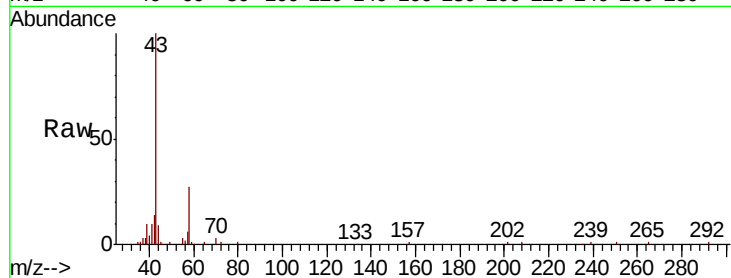
ClientSampleId :

Tot Ion: 43 Resp: 61304

Ion Ratio Lower Upper

43 100

58 56.9 21.7 32.5#



#20

Methylene Chloride

Concen: 0.905 ppbv

RT: 4.36 min Scan# 489

Delta R.T. 0.02 min

Lab File: VL036885.D

Acq: 28 Apr 2021 18:40

Tgt Ion: 84 Resp: 53744

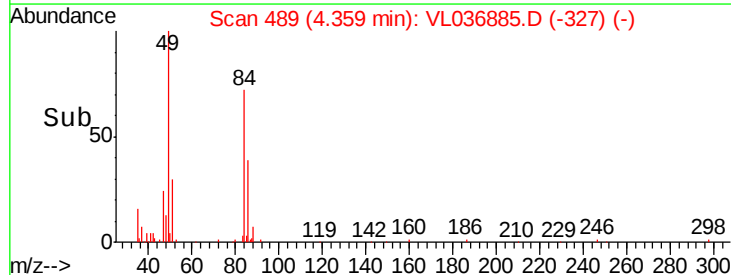
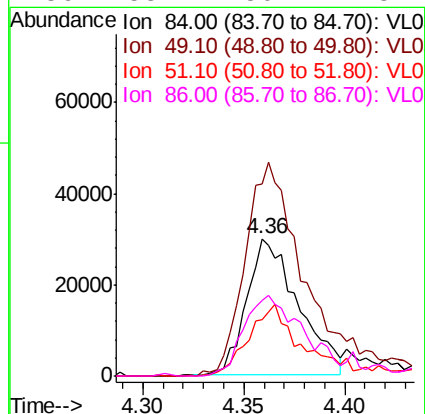
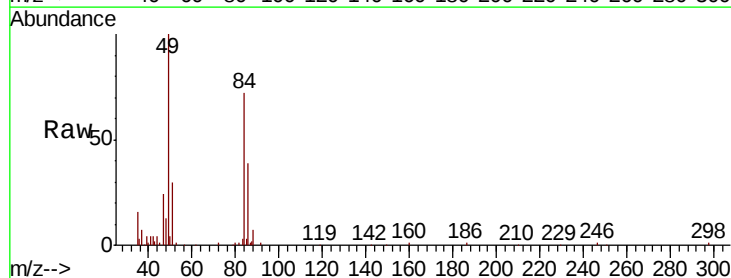
Ion Ratio Lower Upper

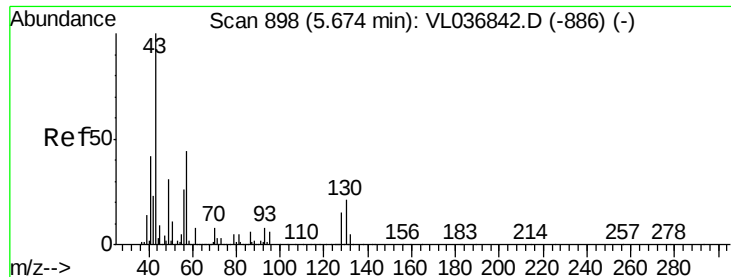
84 100

49 139.5 135.4 203.0

51 41.6 39.3 58.9

86 55.1 50.2 75.2

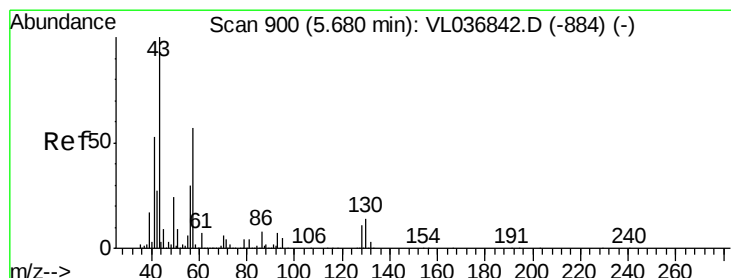
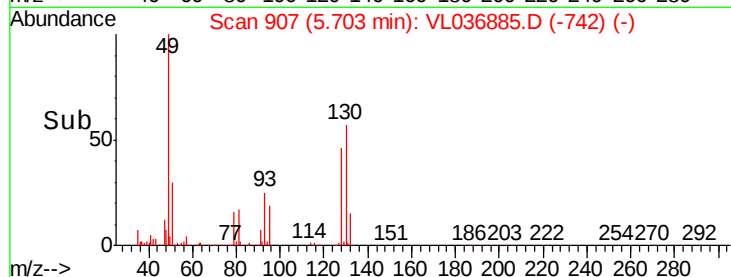
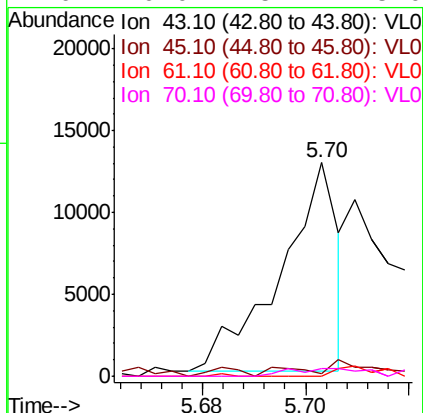
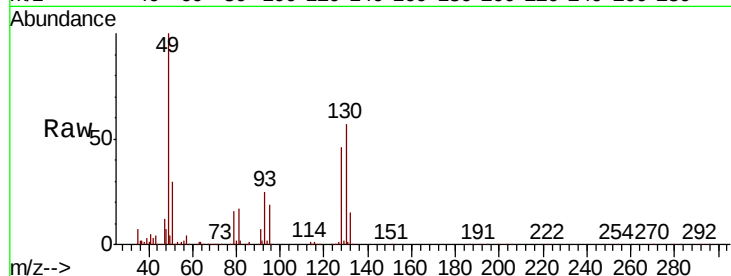




#25
Ethyl Acetate
Concen: 0.032 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.03 min
Lab File: VL036885.D
Acq: 28 Apr 2021 18:40

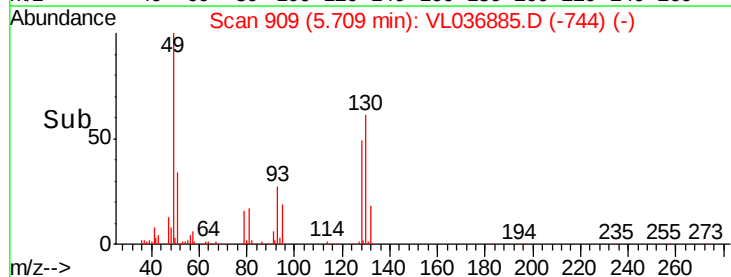
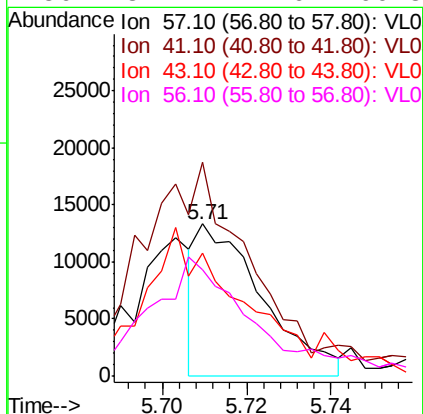
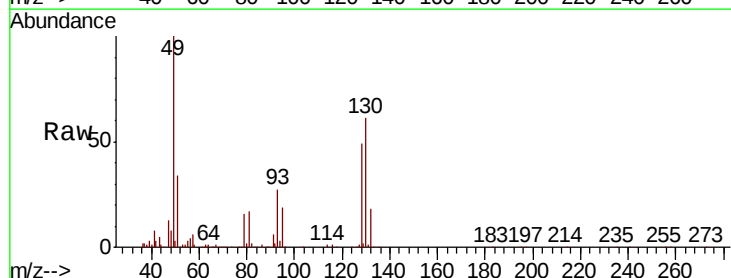
Instrument :
MSVOA_L
ClientSampled :

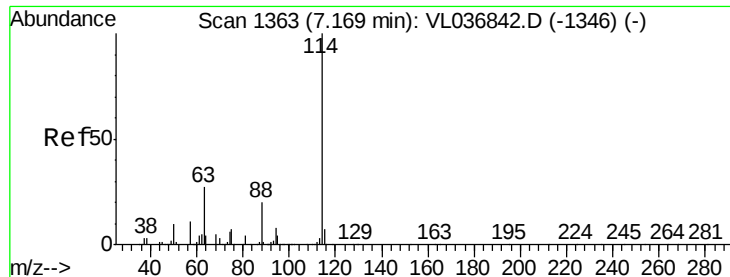
Tot Ion:	43	Resp:	9845
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.8	11.8#
61	0.0	7.4	11.0#
70	0.0	5.4	8.0#



#26
Hexane
Concen: 0.101 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.03 min
Lab File: VL036885.D
Acq: 28 Apr 2021 18:40

Tgt Ion:	57	Resp:	14290
Ion	Ratio	Lower	Upper
57	100		
41	267.6	77.7	116.5#
43	0.0	180.5	270.7#
56	137.7	44.6	66.8#

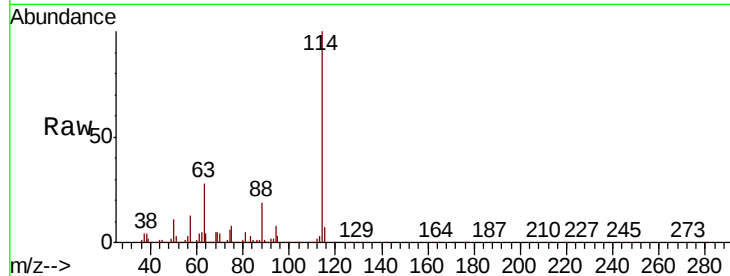




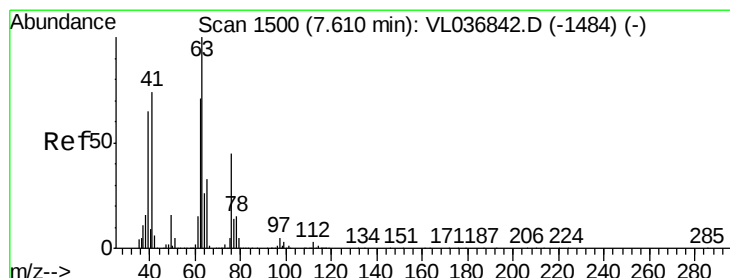
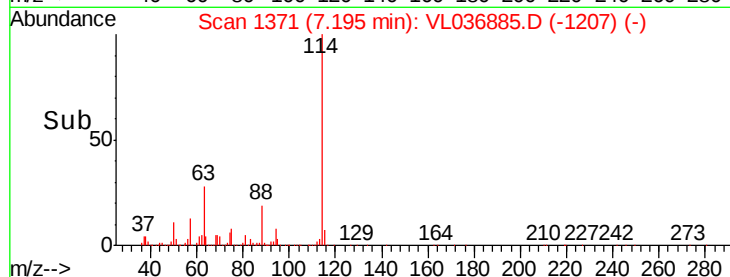
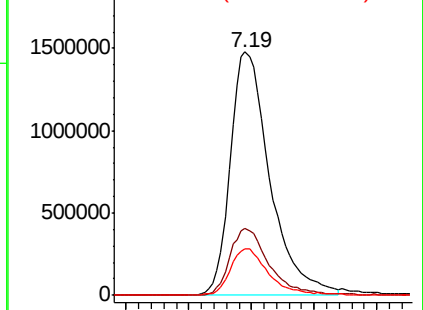
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. 0.03 min
 Lab File: VL036885.D
 Acq: 28 Apr 2021 18:40

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3255019
 Ion Ratio Lower Upper
 114 100
 63 27.8 21.9 32.9
 88 19.0 15.1 22.7

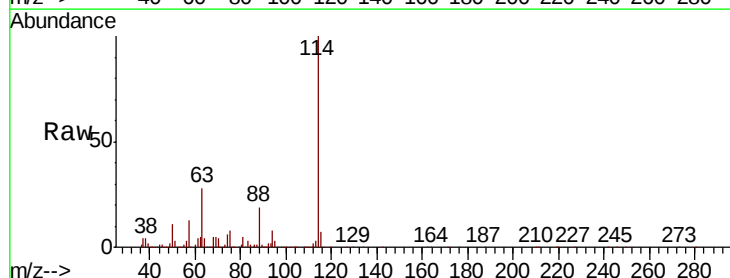


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

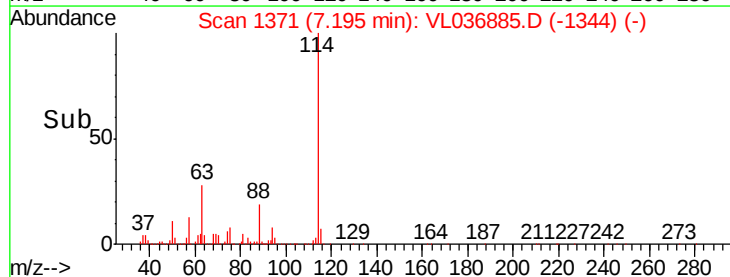
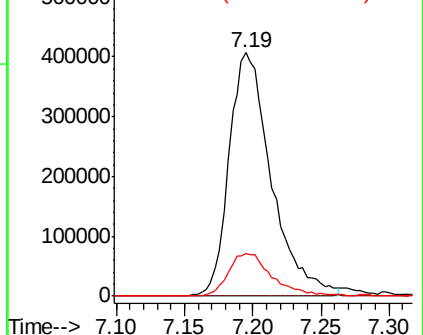


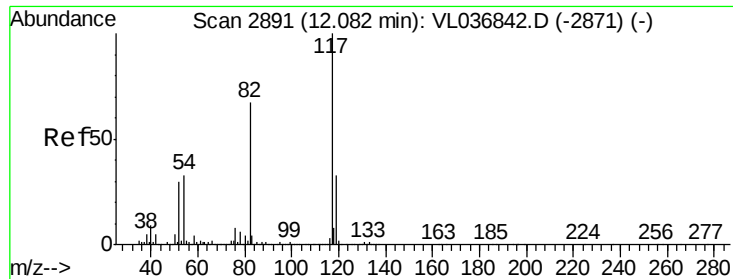
#39
 1,2-Dichloropropane
 Concen: 7.934 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. -0.41 min
 Lab File: VL036885.D
 Acq: 28 Apr 2021 18:40

Tgt Ion: 63 Resp: 871705
 Ion Ratio Lower Upper
 63 100
 41 0.0 59.1 88.7#
 62 17.2 56.9 85.3#



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: 12.11 min Scan# 2900

Delta R.T. 0.03 min

Lab File: VL036885.D

Acq: 28 Apr 2021 18:40

Instrument :

MSVOA_L

ClientSampleId :

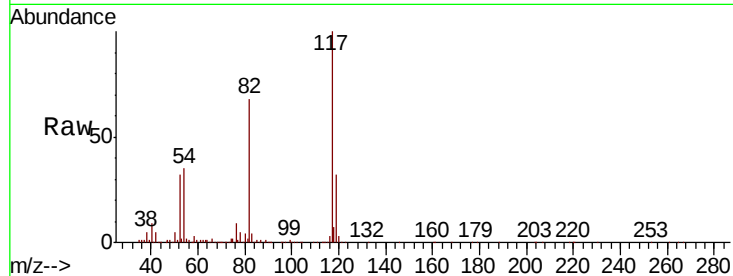
Tot Ion:117 Resp: 2854349

Ion Ratio Lower Upper

117 100

82 73.7 53.5 80.3

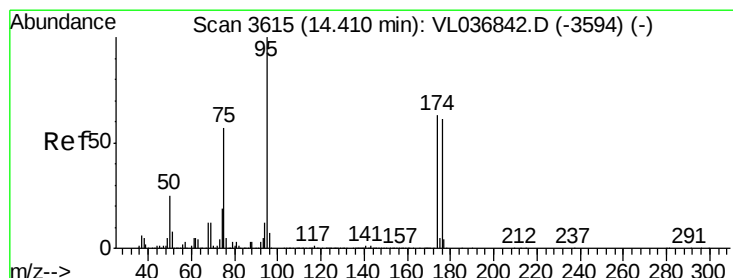
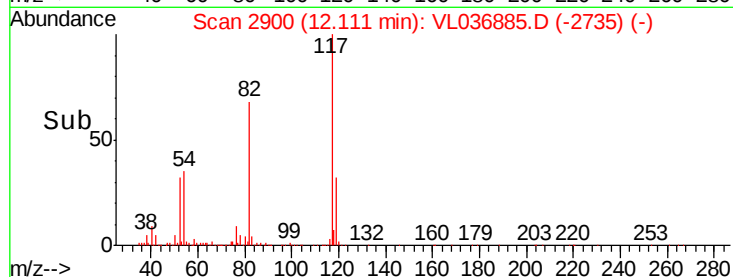
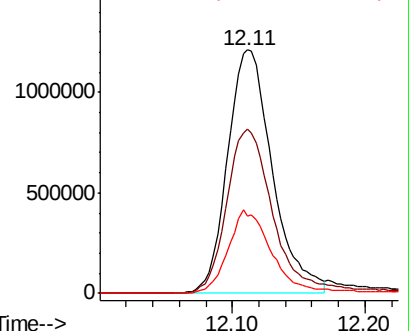
119 34.5 25.6 38.4



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: 10.025 ppbv

RT: 14.44 min Scan# 3625

Delta R.T. 0.03 min

Lab File: VL036885.D

Acq: 28 Apr 2021 18:40

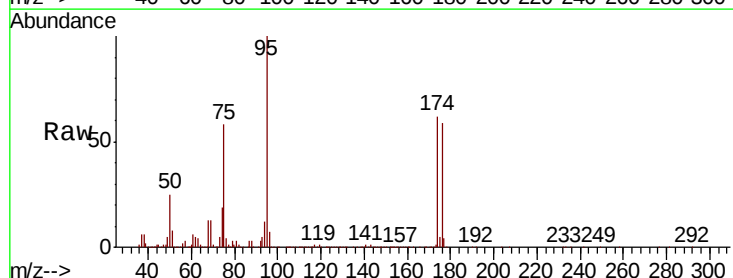
Tgt Ion: 95 Resp: 2297114

Ion Ratio Lower Upper

95 100

174 66.3 52.2 78.2

175 4.5 4.0 6.0



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

