

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031921\
 Data File : VL036454.D
 Acq On : 19 Mar 2021 19:09
 Operator :
 Sample : OC031821 CAN 10044
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 20 00:42:23 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Mar 03 14:18:24 2021
 QLast Update : Wed Mar 03 14:18:24 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1601779	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3637297	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3388255	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2703424	9.70	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

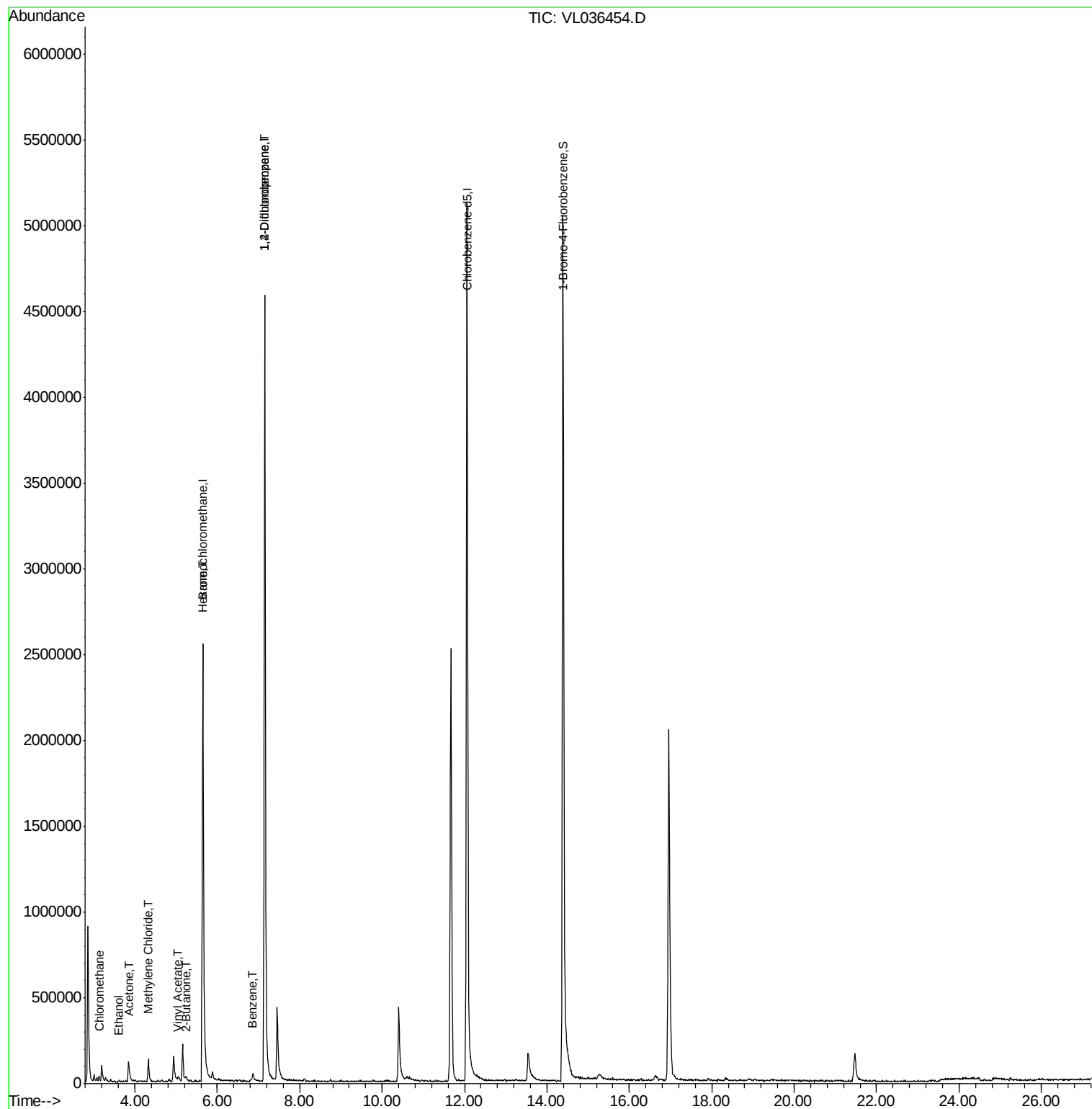
Target Compounds					Ovalue
4) Chloromethane	3.13	50	25714	0.286 ppbv #	76
13) Ethanol	3.60	45	3789	0.299 ppbv #	34
15) Acetone	3.84	43	141911	0.775 ppbv #	45
20) Methylene Chloride	4.32	84	17909	0.290 ppbv	94
23) Vinyl Acetate	5.05	43	13089	0.063 ppbv #	89
26) Hexane	5.66	57	7061	0.048 ppbv #	1
34) 2-Butanone	5.23	43	15292	0.070 ppbv #	55
36) Benzene	6.87	78	30758	0.109 ppbv #	93
39) 1,2-Dichloropropane	7.15	63	1023536	8.528 ppbv #	21

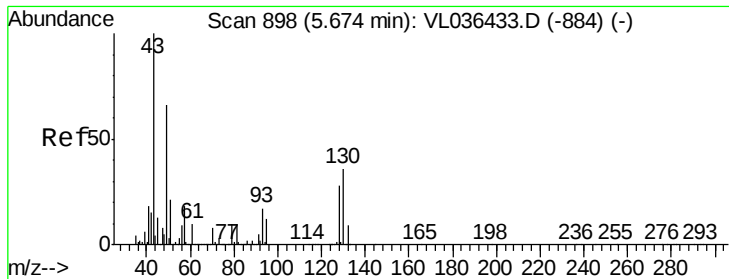
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.03 min

Lab File: VL036454.D

Acq: 19 Mar 2021 19:09

Instrument :
MSVOA_L
ClientSampleId :

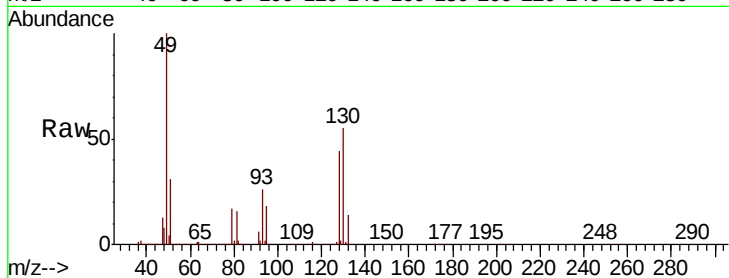
Tot Ion: 49 Resp: 1601779

Ion Ratio Lower Upper

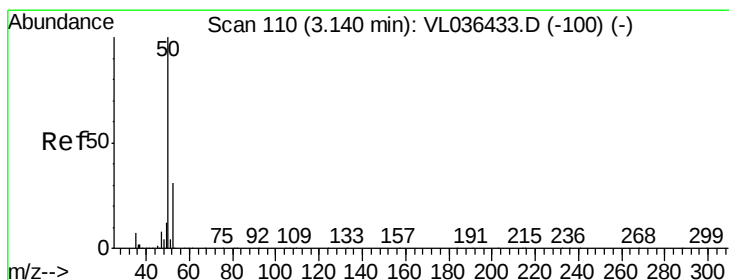
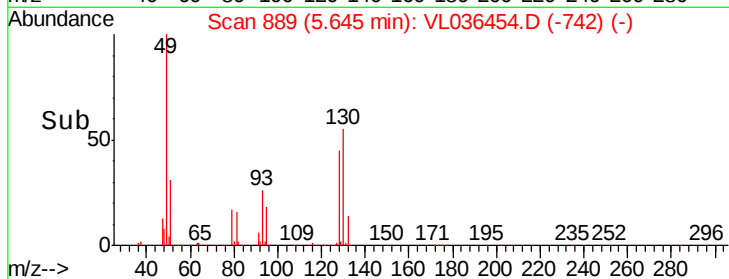
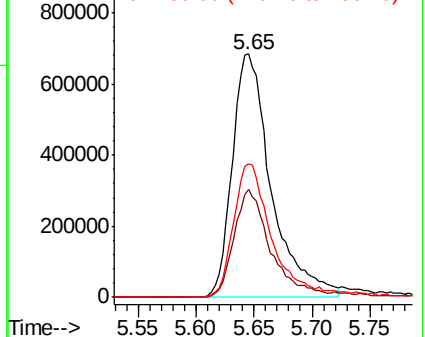
49 100

128 44.2 22.4 67.2

130 55.7 28.0 84.0



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: 0.286 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.01 min

Lab File: VL036454.D

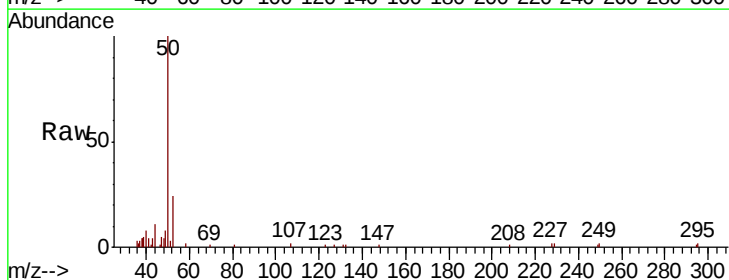
Acq: 19 Mar 2021 19:09

Tgt Ion: 50 Resp: 25714

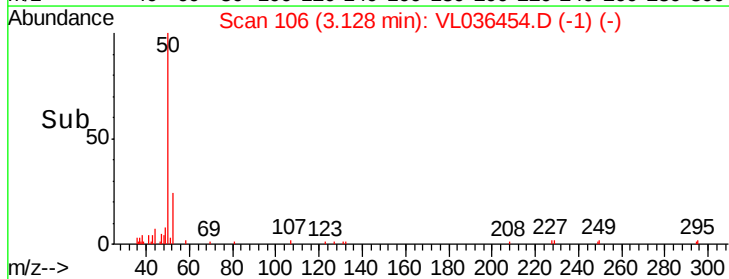
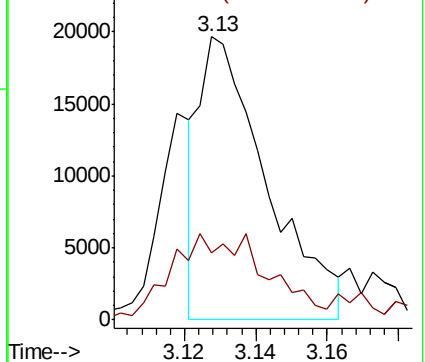
Ion Ratio Lower Upper

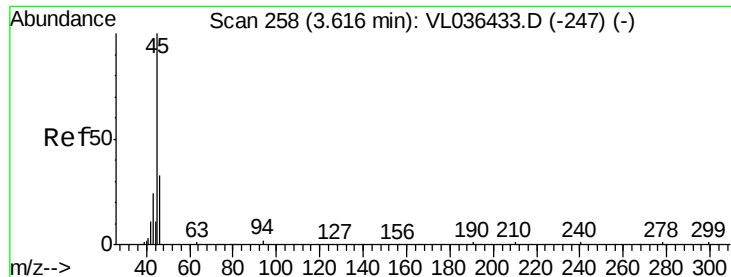
50 100

52 17.3 24.6 36.8#



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

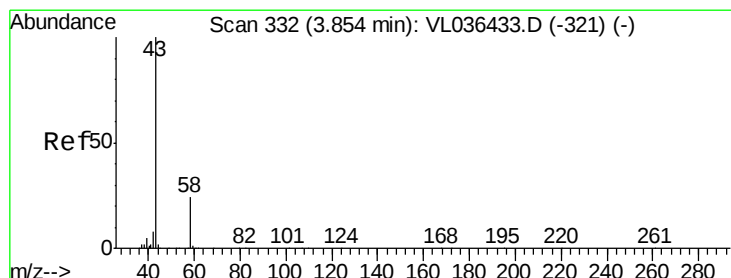
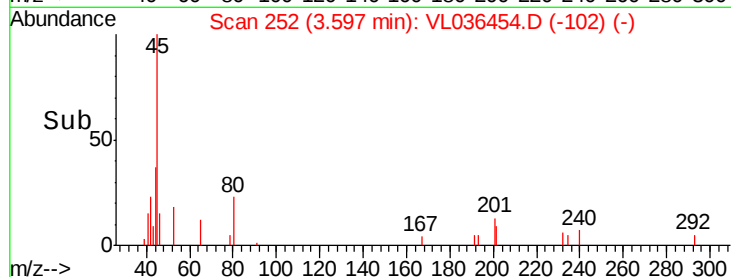
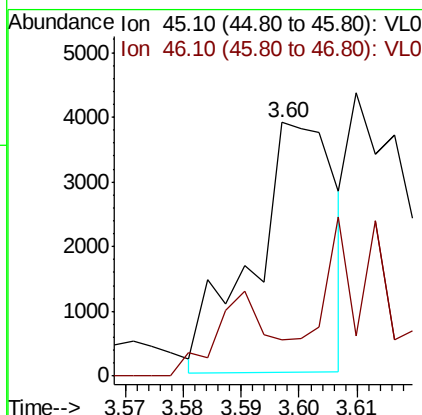
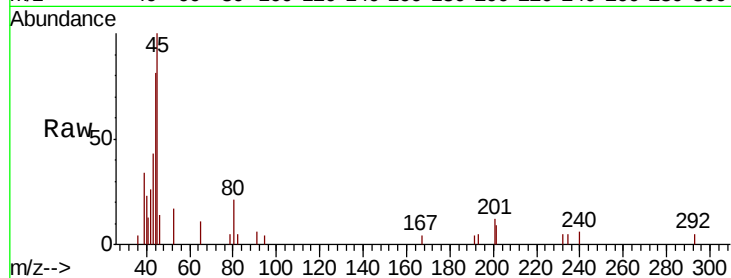




#13
Ethanol
Concen: 0.299 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.02 min
Lab File: VL036454.D
Acq: 19 Mar 2021 19:09

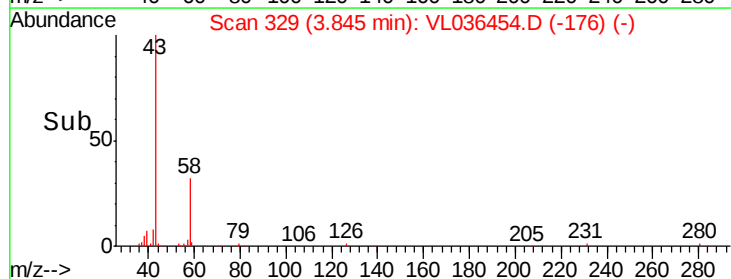
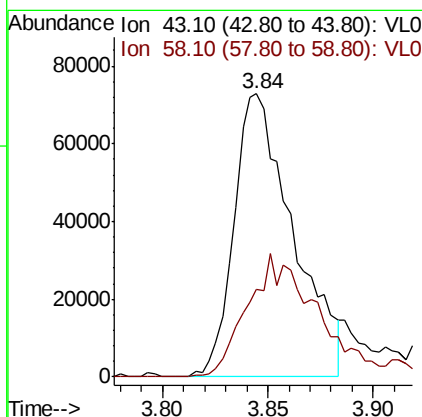
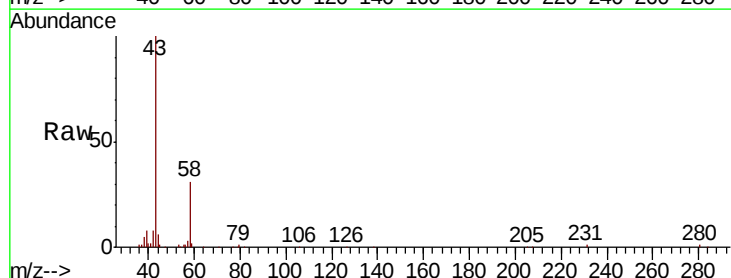
Instrument :
MSVOA_L
ClientSampleId :

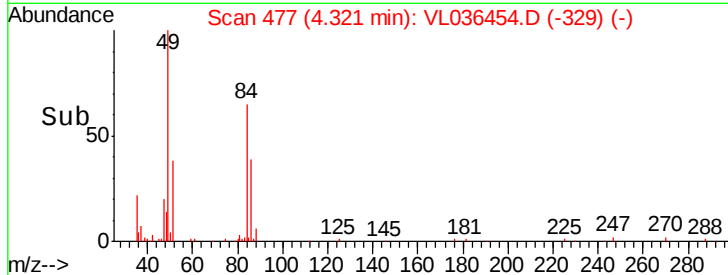
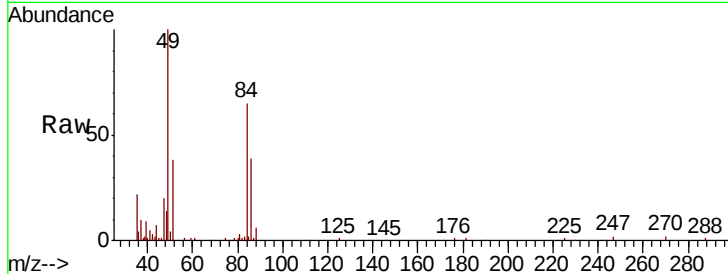
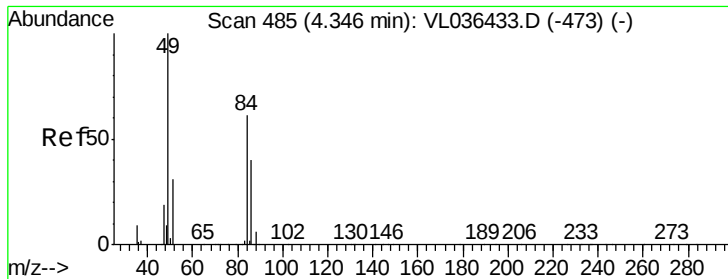
Tot Ion: 45 Resp: 3789
Ion Ratio Lower Upper
45 100
46 0.0 16.8 67.4#



#15
Acetone
Concen: 0.775 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL036454.D
Acq: 19 Mar 2021 19:09

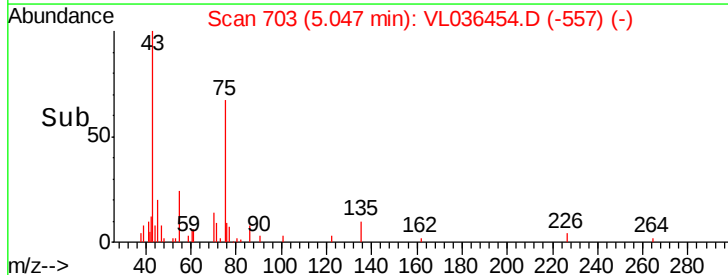
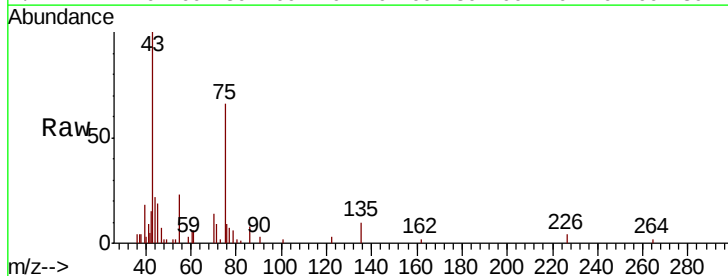
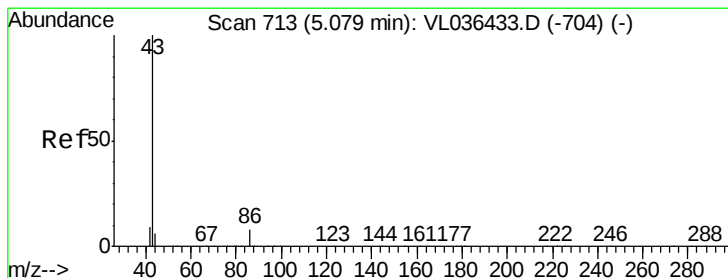
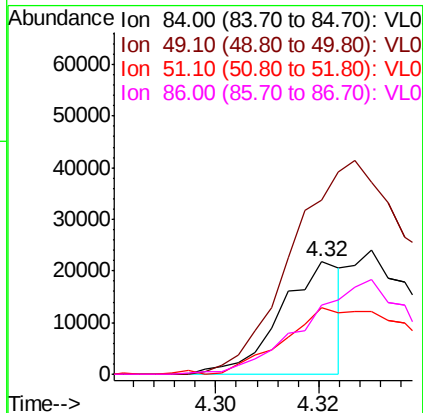
Tgt Ion: 43 Resp: 141911
Ion Ratio Lower Upper
43 100
58 54.7 21.0 31.6#





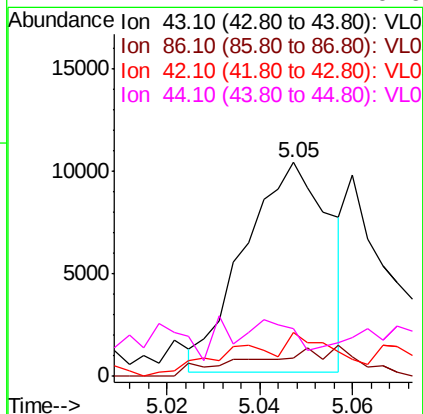
#20
Methylene Chloride
Concen: 0.290 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.03 min
Lab File: VL036454.D
Acq: 19 Mar 2021 19:09

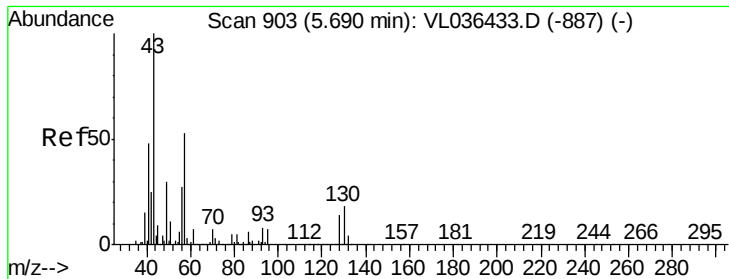
Tot Ion:	84	Resp:	17909
Ion	Ratio	Lower	Upper
84	100		
49	154.5	130.2	195.2
51	55.5	40.5	60.7
86	60.3	51.4	77.2



#23
Vinyl Acetate
Concen: 0.063 ppbv
RT: 5.05 min Scan# 703
Delta R.T. -0.03 min
Lab File: VL036454.D
Acq: 19 Mar 2021 19:09

Tgt Ion:	43	Resp:	13089
Ion	Ratio	Lower	Upper
43	100		
86	2.3	5.2	7.8#
42	15.3	8.3	12.5#
44	7.4	4.4	6.6#

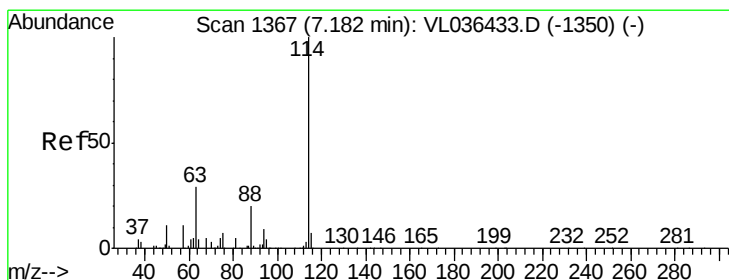
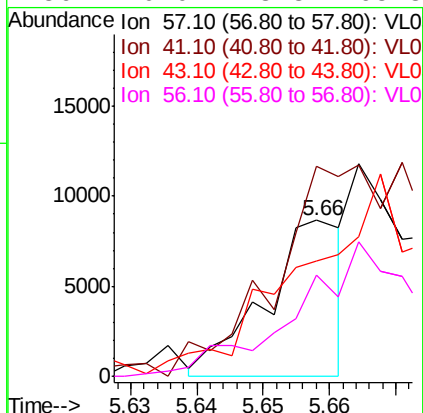
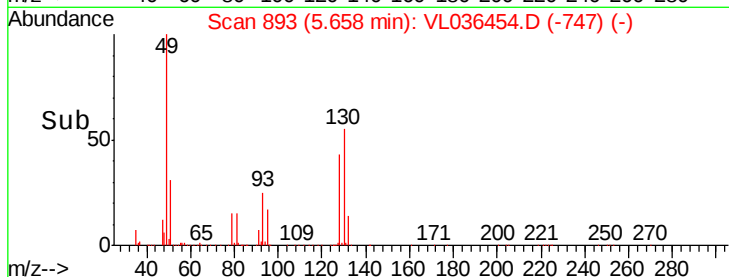
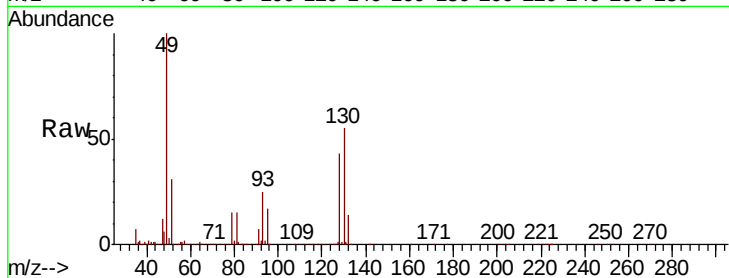




#26
Hexane
Concen: 0.048 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL036454.D
Acq: 19 Mar 2021 19:09

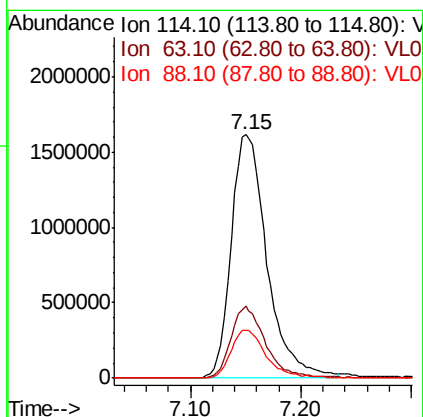
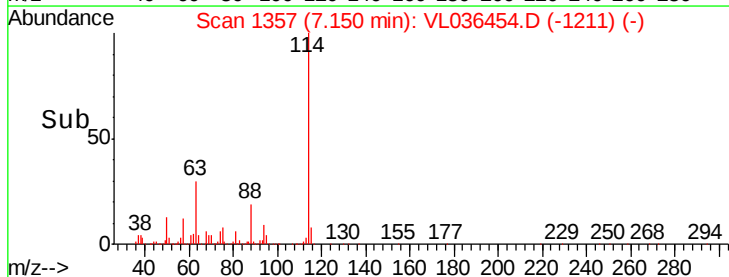
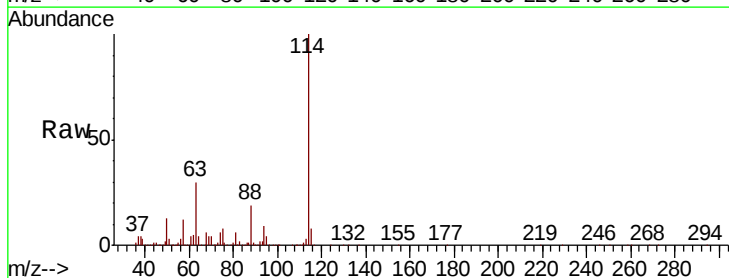
Instrument :
MSVOA_L
ClientSampleId :

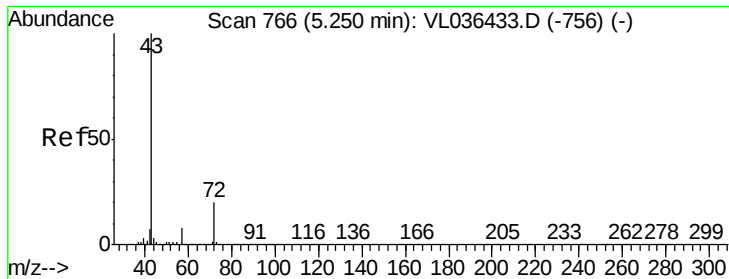
Tot Ion: 57 Resp: 7061
Ion Ratio Lower Upper
57 100
41 0.0 80.4 120.6#
43 0.0 199.8 299.6#
56 0.0 43.8 65.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.03 min
Lab File: VL036454.D
Acq: 19 Mar 2021 19:09

Tgt Ion: 114 Resp: 3637297
Ion Ratio Lower Upper
114 100
63 28.7 23.3 34.9
88 19.4 15.6 23.4

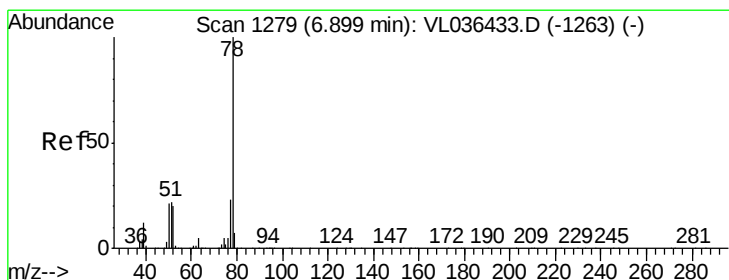
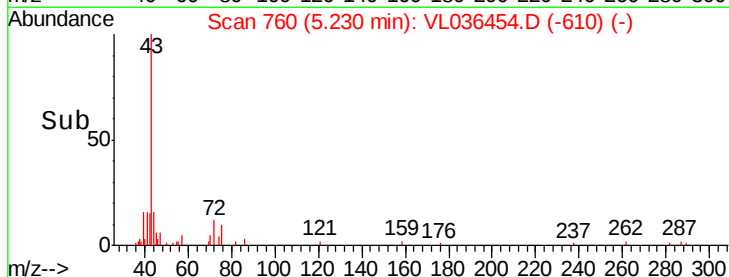
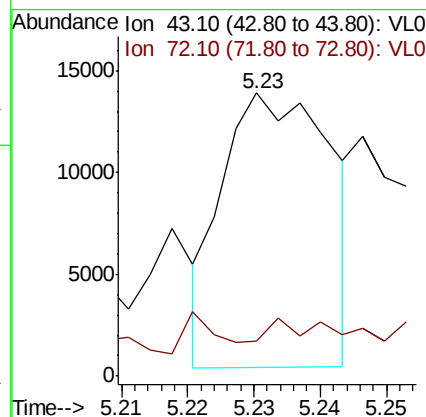
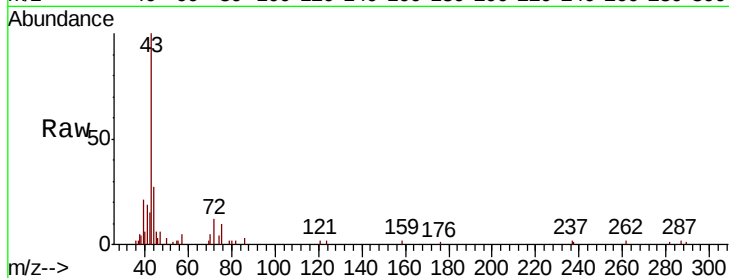




#34
2-Butanone
Concen: 0.070 ppbv
RT: 5.23 min Scan# 760
Delta R.T. -0.02 min
Lab File: VL036454.D
Acq: 19 Mar 2021 19:09

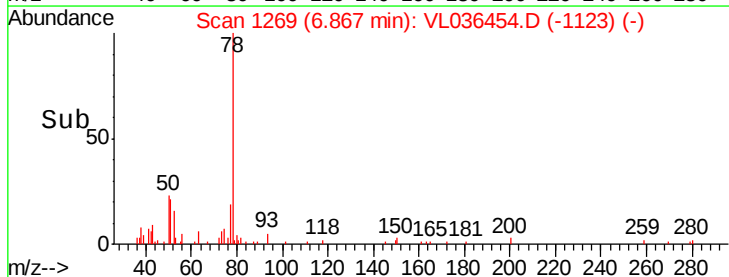
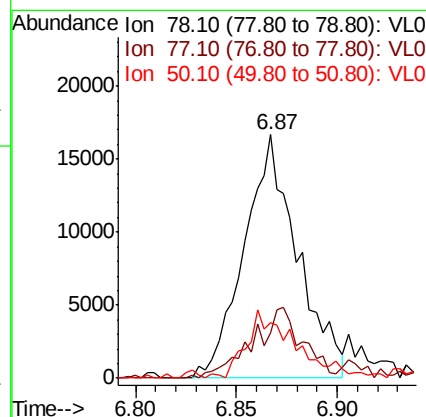
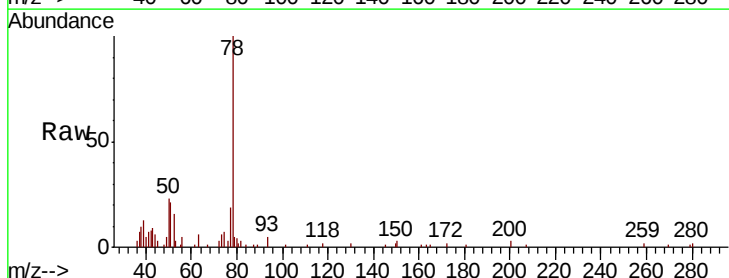
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ClientSampleId :

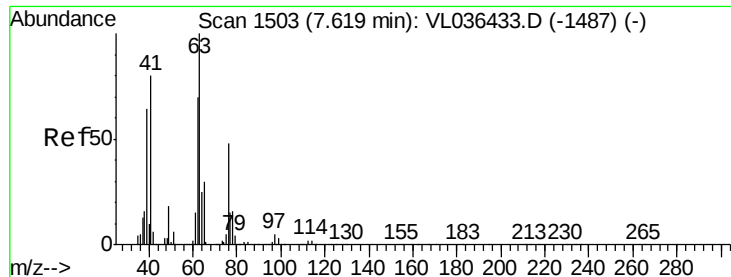
Tot Ion: 43 Resp: 15292
Ion Ratio Lower Upper
43 100
72 0.0 16.7 25.1#



#36
Benzene
Concen: 0.109 ppbv
RT: 6.87 min Scan# 1269
Delta R.T. -0.03 min
Lab File: VL036454.D
Acq: 19 Mar 2021 19:09

Tgt Ion: 78 Resp: 30758
Ion Ratio Lower Upper
78 100
77 17.5 18.1 27.1#
50 19.4 16.8 25.2

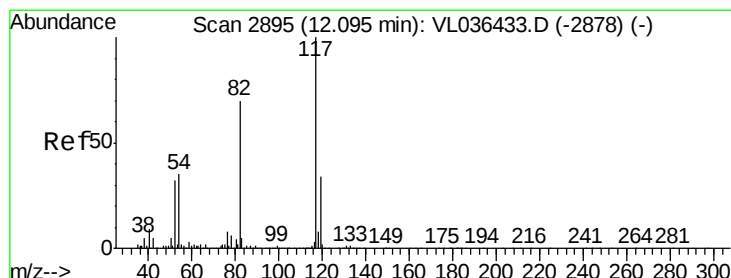
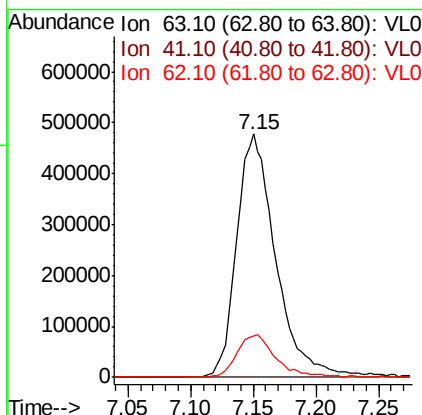
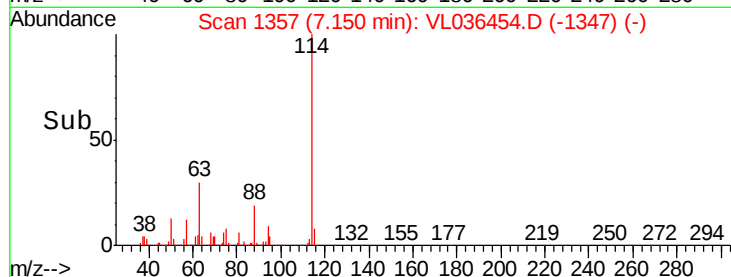
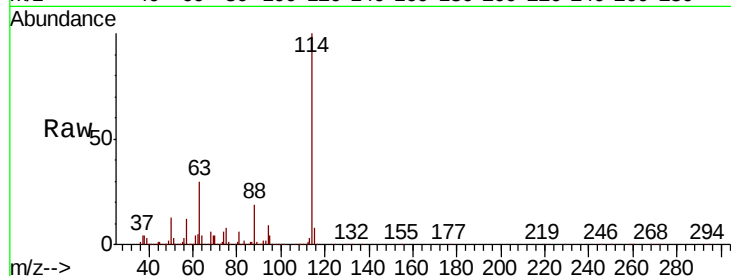




#39
 1,2-Dichloropropane
 Concen: 8.528 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.47 min
 Lab File: VL036454.D
 Acq: 19 Mar 2021 19:09

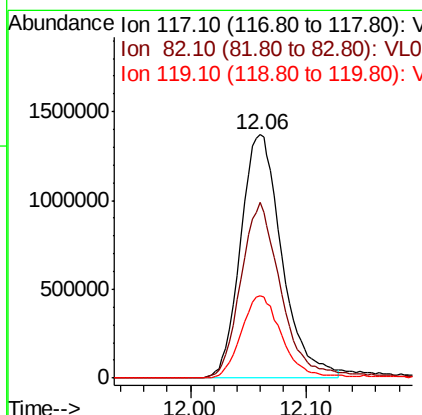
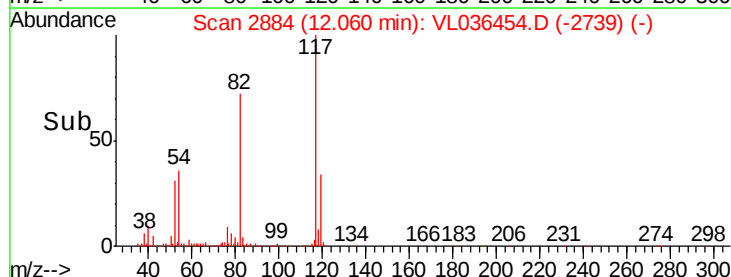
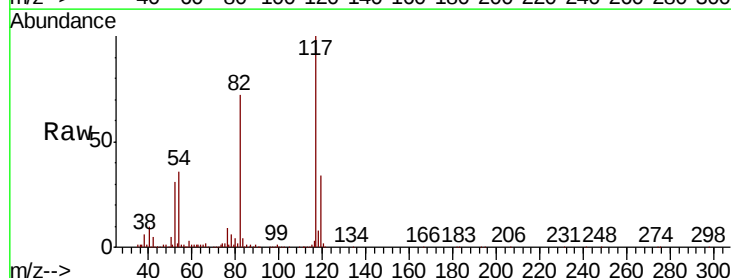
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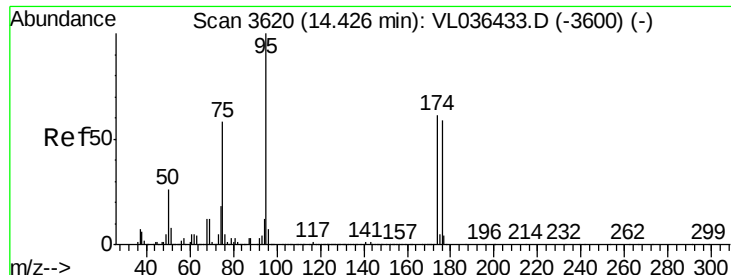
Tot Ion: 63 Resp: 1023536
 Ion Ratio Lower Upper
 63 100
 41 0.0 64.4 96.6#
 62 16.9 55.7 83.5#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06 min Scan# 2884
 Delta R.T. -0.04 min
 Lab File: VL036454.D
 Acq: 19 Mar 2021 19:09

Tgt Ion: 117 Resp: 3388255
 Ion Ratio Lower Upper
 117 100
 82 73.3 56.5 84.7
 119 34.2 27.0 40.4





#68

1-Bromo-4-Fluorobenzene

Concen: 9.702 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.04 min

Lab File: VL036454.D

Acq: 19 Mar 2021 19:09

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2703424

Ion Ratio Lower Upper

95 100

174 66.8 51.0 76.4

175 5.1 3.8 5.6

