

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031921\
 Data File : VL036452.D
 Acq On : 19 Mar 2021 17:47
 Operator :
 Sample : OC030321 CAN 10448
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 20 00:42:05 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	1650018	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	3740497	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.07	117	3361858	10.00	ppbv	-0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.39	95	2710225	9.80	ppbv	-0.04	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.00%	

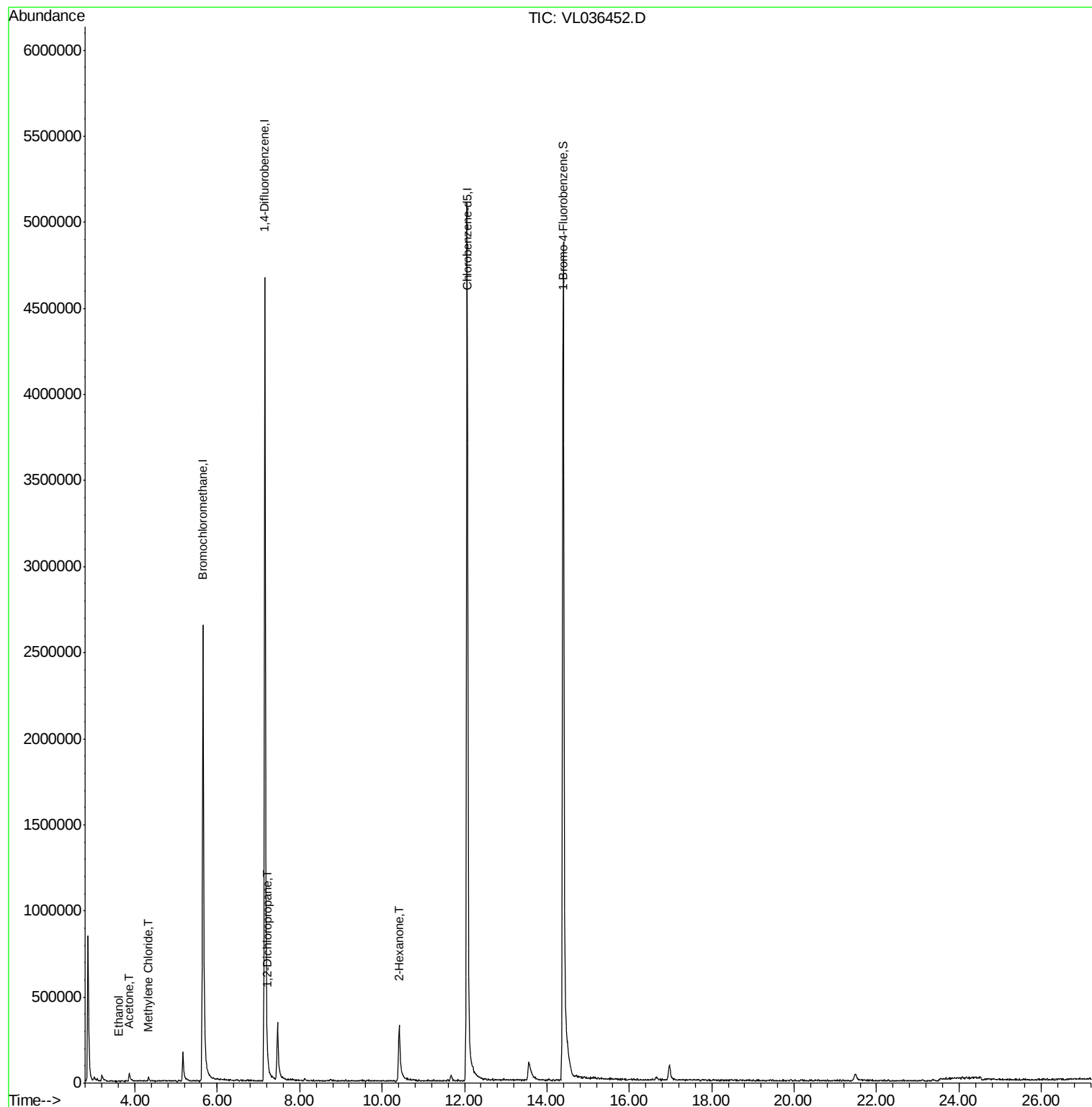
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.60	45	299	0.023	ppbv #	14
15) Acetone	3.86	43	31606	0.168	ppbv #	1
20) Methylene Chloride	4.32	84	2034	0.032	ppbv #	50
39) 1,2-Dichloropropane	7.21	63	11595	0.094	ppbv #	23
51) 2-Hexanone	10.41	43	47087	0.190	ppbv #	71

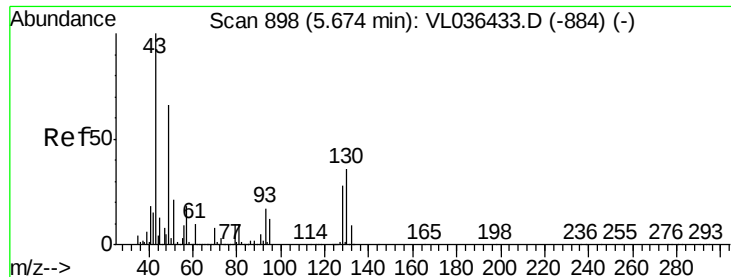
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 03 14:18:24 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.03 min

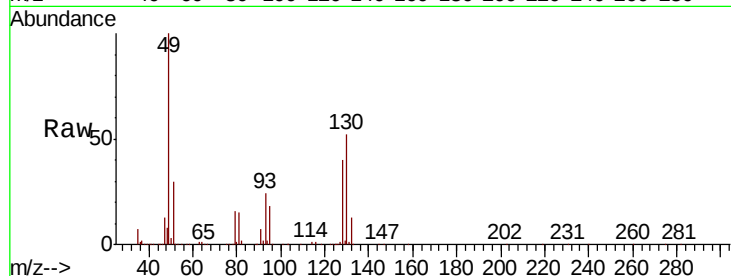
Lab File: VL036452.D

Acq: 19 Mar 2021 17:47

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 49 Resp: 1650018

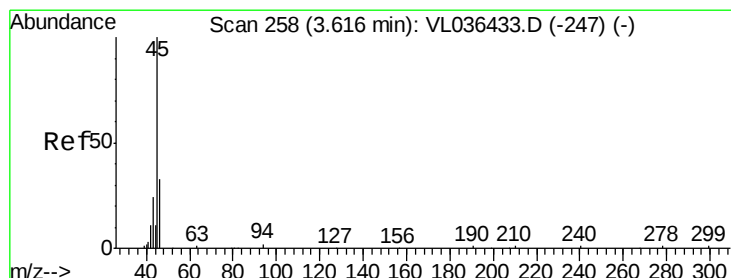
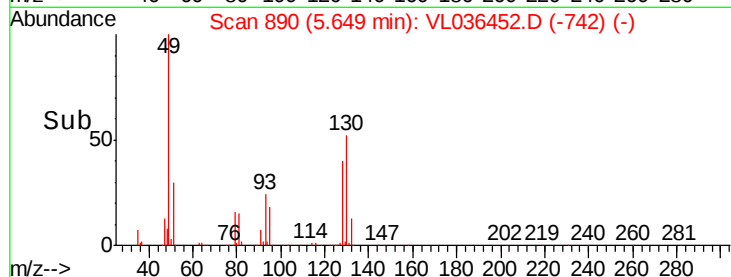
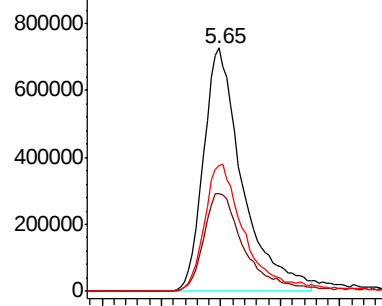
Ion	Ratio	Lower	Upper
49	100		
128	43.8	22.4	67.2
130	56.4	28.0	84.0



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



#13

Ethanol

Concen: 0.023 ppbv

RT: 3.60 min Scan# 254

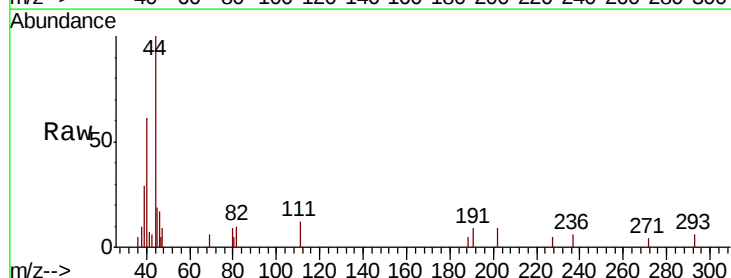
Delta R.T. -0.01 min

Lab File: VL036452.D

Acq: 19 Mar 2021 17:47

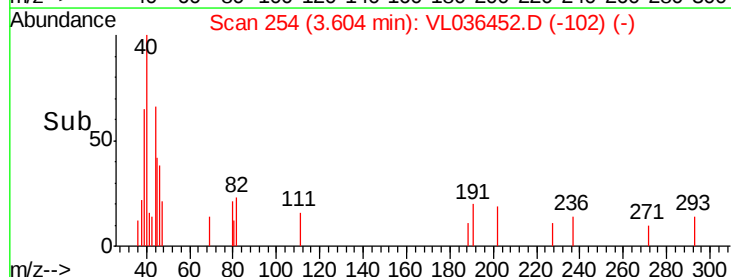
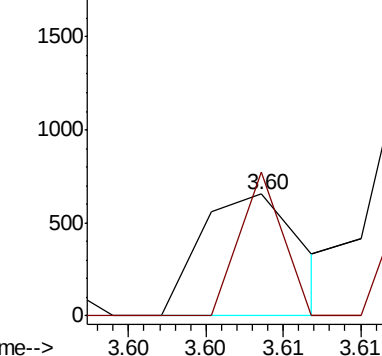
Tgt Ion: 45 Resp: 299

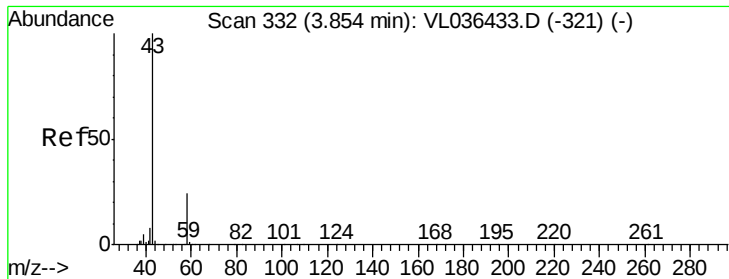
Ion	Ratio	Lower	Upper
45	100		
46	96.3	16.8	67.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.168 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.01 min

Lab File: VL036452.D

Acq: 19 Mar 2021 17:47

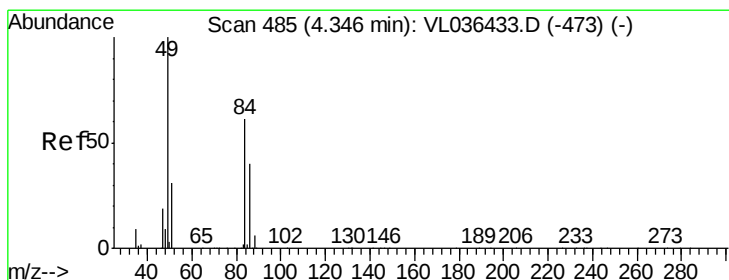
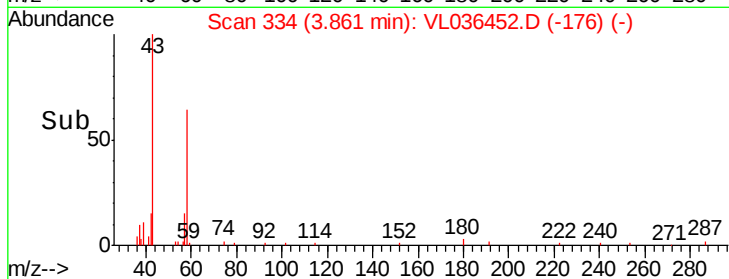
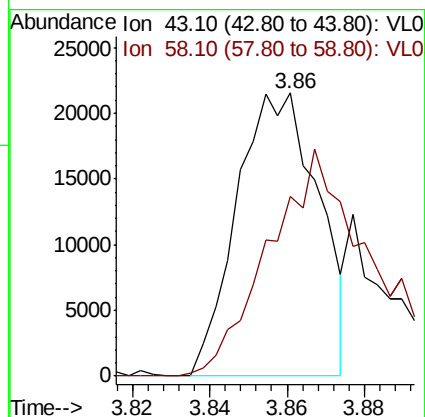
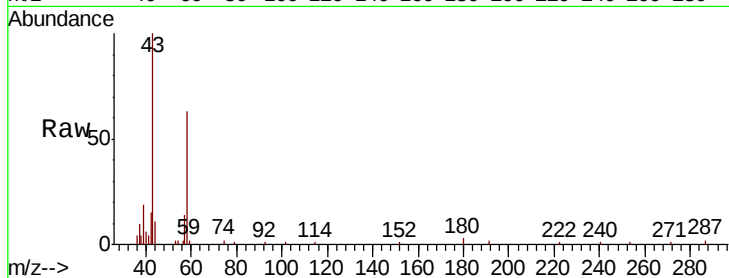
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 31606

Ion Ratio Lower Upper

43 100

58 120.7 21.0 31.6#



#20

Methylene Chloride

Concen: 0.032 ppbv

RT: 4.32 min Scan# 478

Delta R.T. -0.02 min

Lab File: VL036452.D

Acq: 19 Mar 2021 17:47

Tgt Ion: 84 Resp: 2034

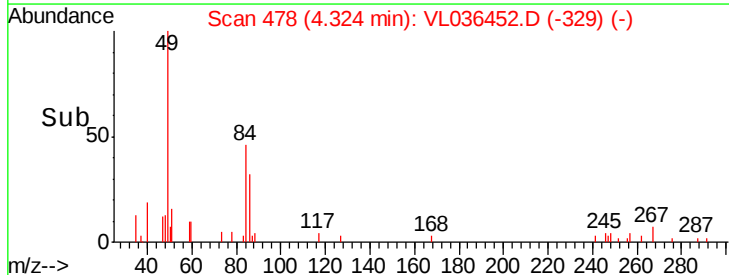
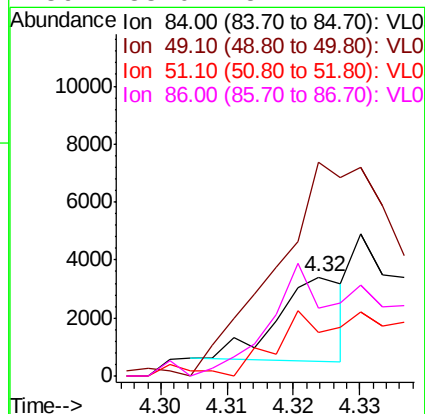
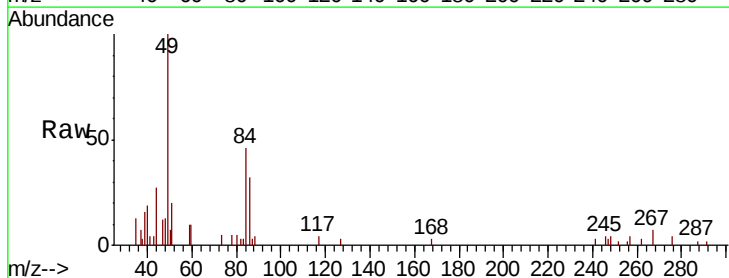
Ion Ratio Lower Upper

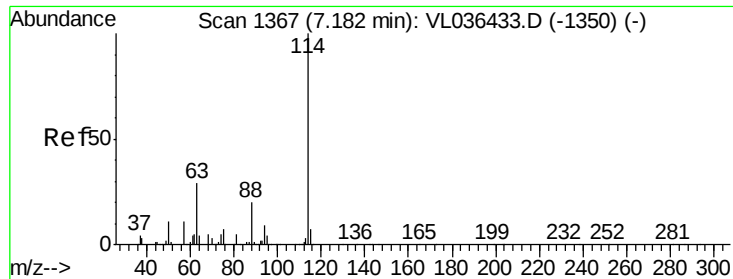
84 100

49 262.6 130.2 195.2#

51 47.0 40.5 60.7

86 83.0 51.4 77.2#

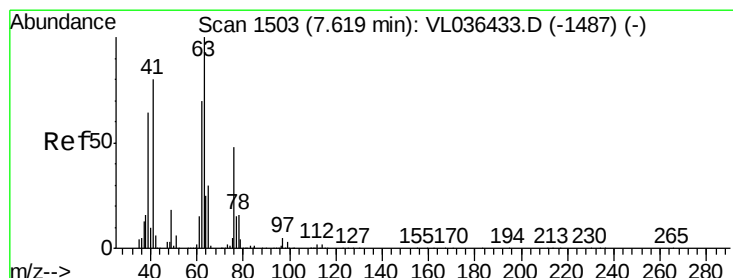
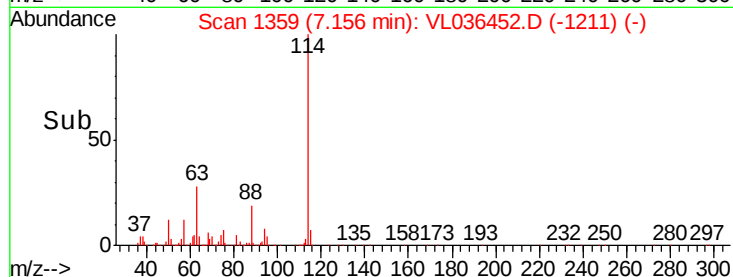
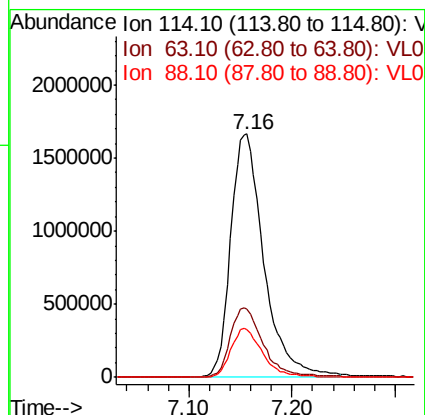
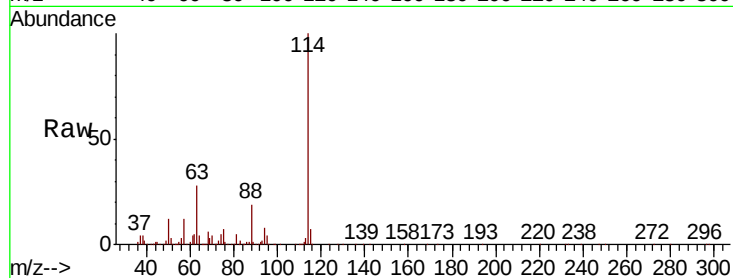




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.03 min
 Lab File: VL036452.D
 Acq: 19 Mar 2021 17:47

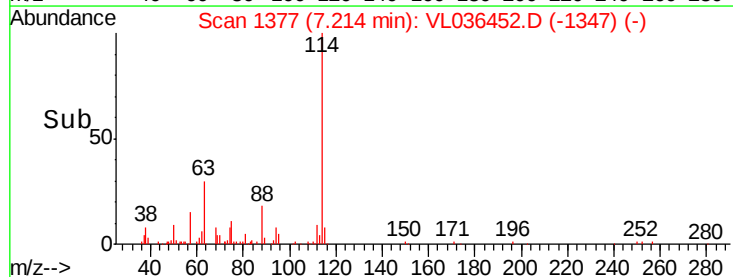
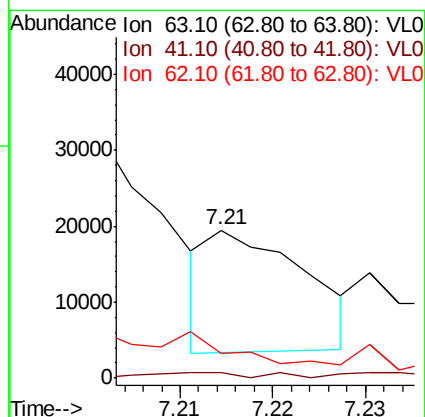
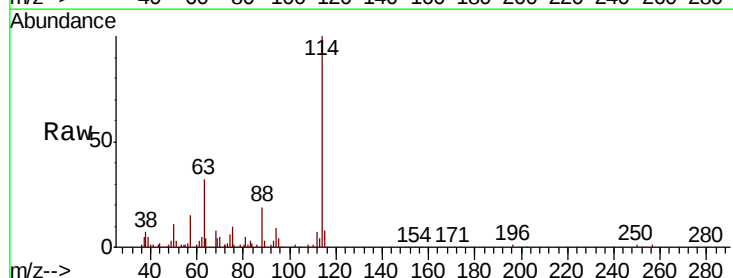
Instrument :
 MSVOA_L
 ClientSampleId :

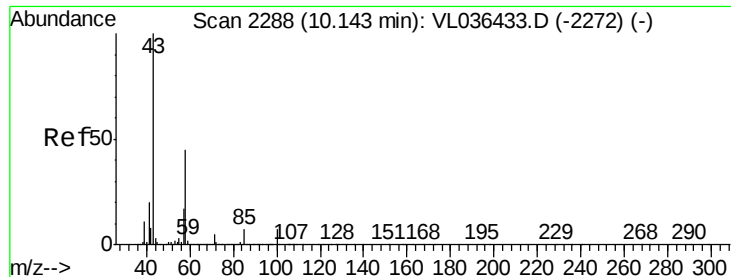
Tot Ion:114 Resp: 3740497
 Ion Ratio Lower Upper
 114 100
 63 28.8 23.3 34.9
 88 19.6 15.6 23.4



#39
 1,2-Dichloropropane
 Concen: 0.094 ppbv
 RT: 7.21 min Scan# 1377
 Delta R.T. -0.41 min
 Lab File: VL036452.D
 Acq: 19 Mar 2021 17:47

Tgt Ion: 63 Resp: 11595
 Ion Ratio Lower Upper
 63 100
 41 2.0 64.4 96.6#
 62 18.0 55.7 83.5#

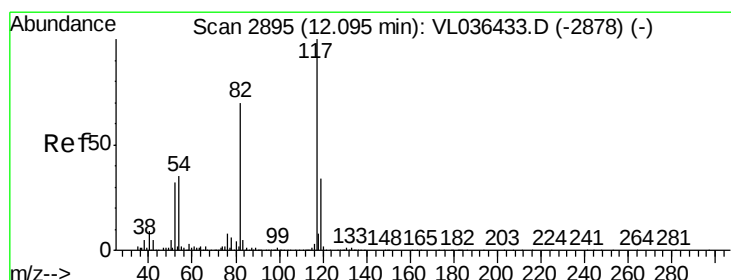
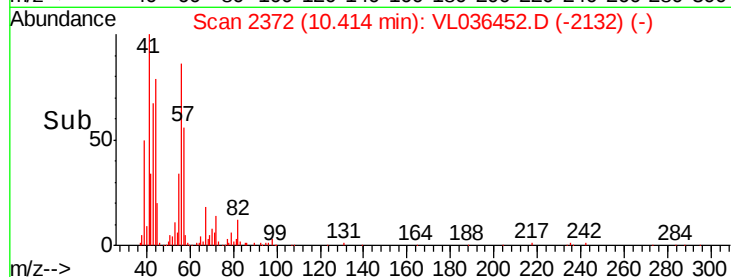
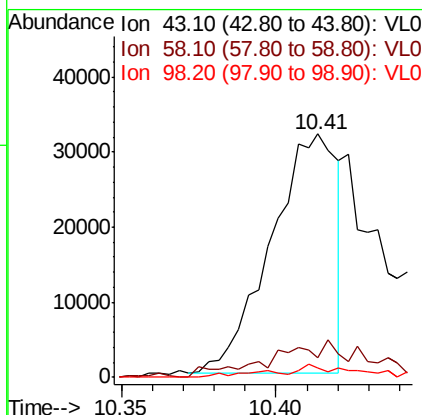
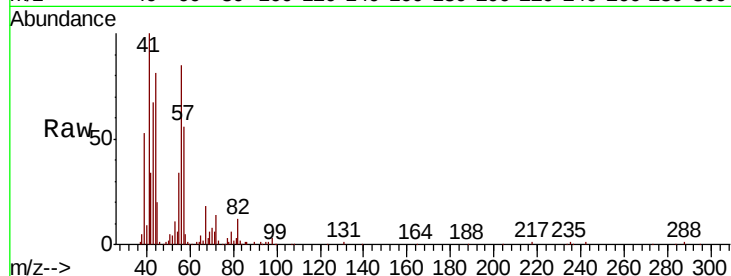




#51
2-Hexanone
Concen: 0.190 ppbv
RT: 10.41 min Scan# 2372
Delta R.T. 0.27 min
Lab File: VL036452.D
Acq: 19 Mar 2021 17:47

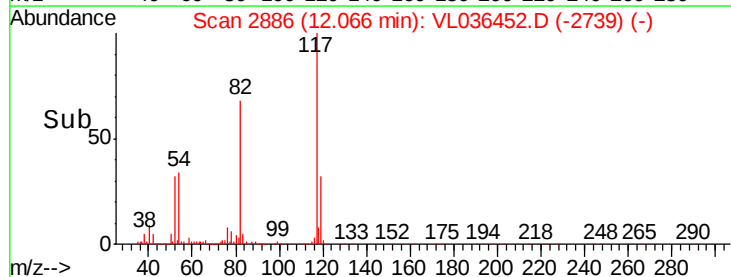
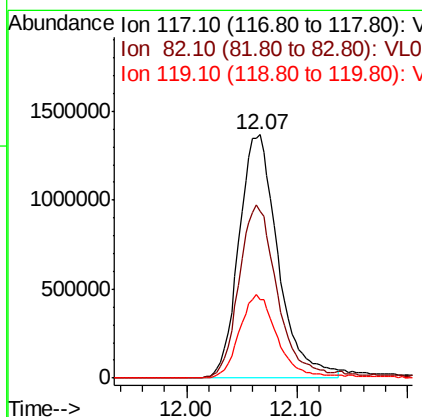
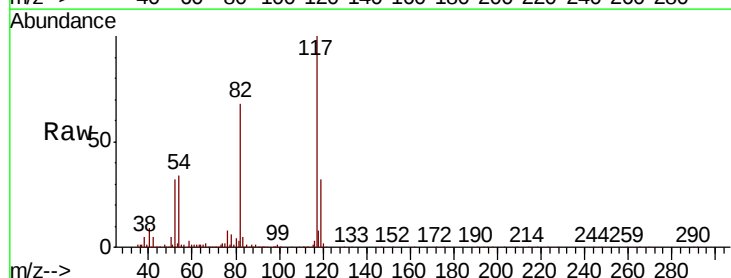
Instrument :
MSVOA_L
ClientSampleId :

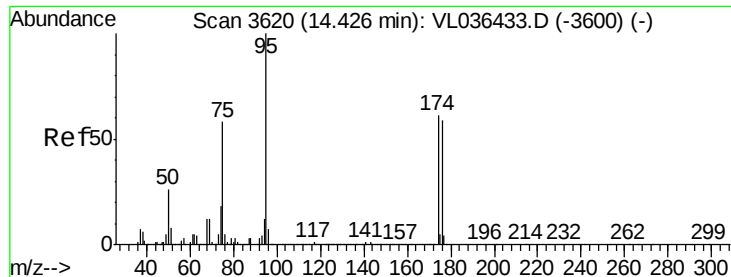
Tot Ion: 43 Resp: 47087
Ion Ratio Lower Upper
43 100
58 28.0 37.8 56.8#
98 6.1 0.2 0.4#



#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.03 min
Lab File: VL036452.D
Acq: 19 Mar 2021 17:47

Tgt Ion: 117 Resp: 3361858
Ion Ratio Lower Upper
117 100
82 72.4 56.5 84.7
119 34.3 27.0 40.4





#68

1-Bromo-4-Fluorobenzene

Concen: 9.803 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.04 min

Lab File: VL036452.D

Acq: 19 Mar 2021 17:47

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2710225

Ion Ratio Lower Upper

95 100

174 66.1 51.0 76.4

175 4.8 3.8 5.6

