

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL031921\
 Data File : VL036458.D
 Acq On : 19 Mar 2021 22:44
 Operator :
 Sample : OC031821 CAN 10044
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 20 00:43:00 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	5.64	49	1546706	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.14	114	3602534	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.05	117	3333148	10.00	ppbv	-0.04

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.38	95	2712071	9.89	ppbv	-0.04	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.90%	

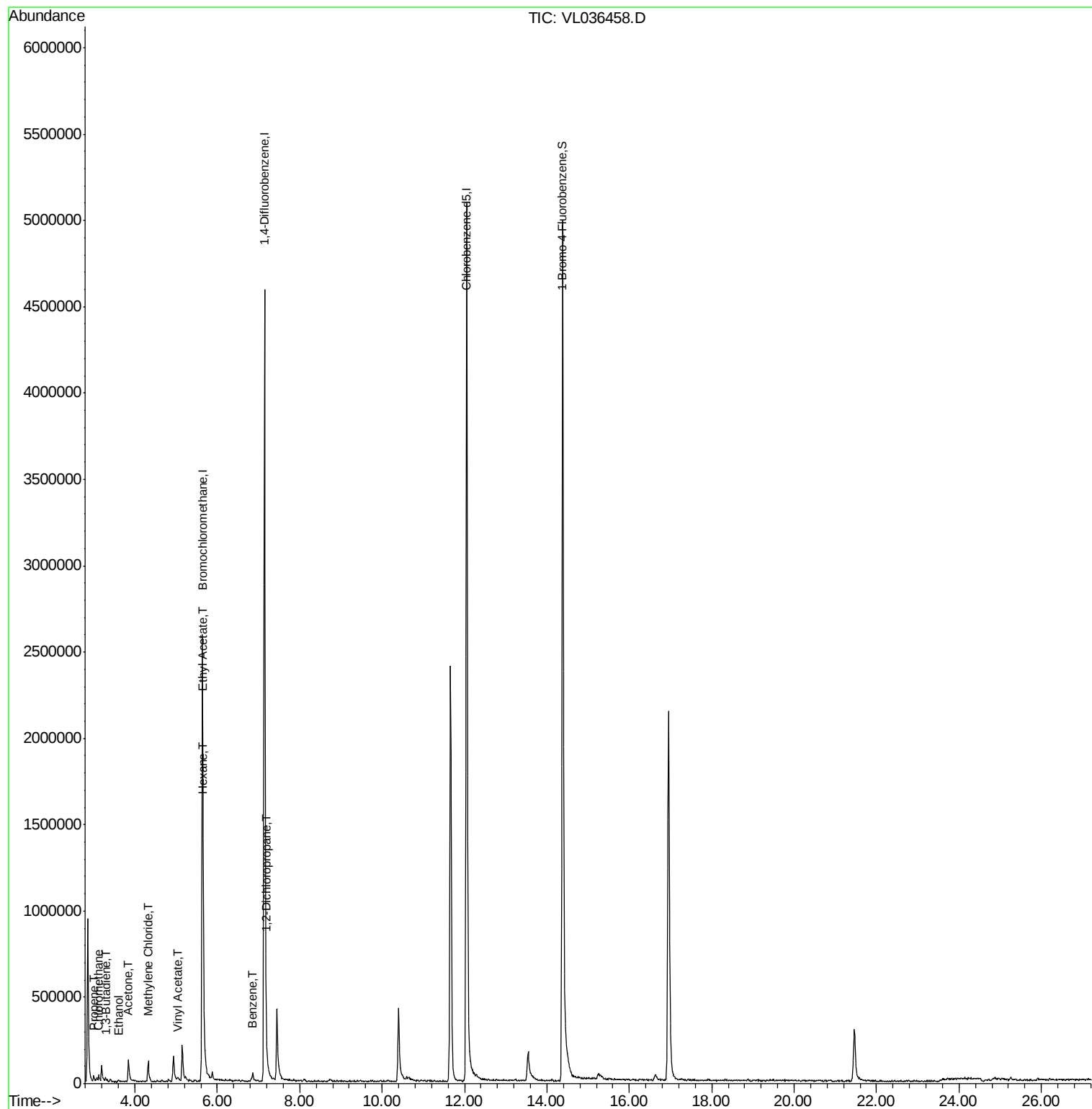
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.12	50	31194	0.359	ppbv	96
9) Propene	3.00	41	6917	0.087	ppbv #	49
13) Ethanol	3.59	45	2753	0.225	ppbv #	34
15) Acetone	3.84	43	133221	0.754	ppbv #	33
16) 1,3-Butadiene	3.31	39	1945	0.023	ppbv #	9
20) Methylene Chloride	4.32	84	41331	0.694	ppbv #	91
23) Vinyl Acetate	5.04	43	6018	0.030	ppbv #	82
25) Ethyl Acetate	5.66	43	14449	0.042	ppbv #	78
26) Hexane	5.66	57	6173	0.044	ppbv #	1
36) Benzene	6.86	78	20176	0.072	ppbv #	93
39) 1,2-Dichloropropane	7.19	63	17997	0.151	ppbv #	19

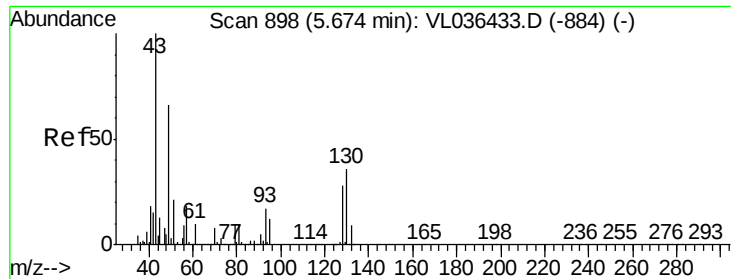
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 20 00:43:00 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030321AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar 03 14:18:24 2021
QLast Update : Wed Mar 03 14:18:24 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.04 min

Lab File: VL036458.D

Acq: 19 Mar 2021 22:44

Instrument :
MSVOA_L
ClientSampled :

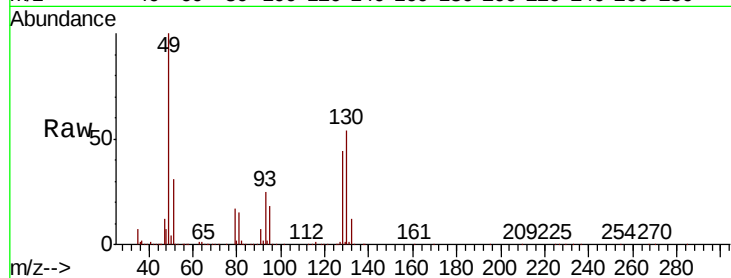
Tot Ion: 49 Resp: 1546706

Ion Ratio Lower Upper

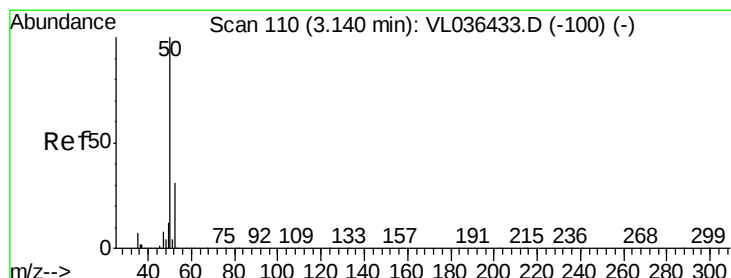
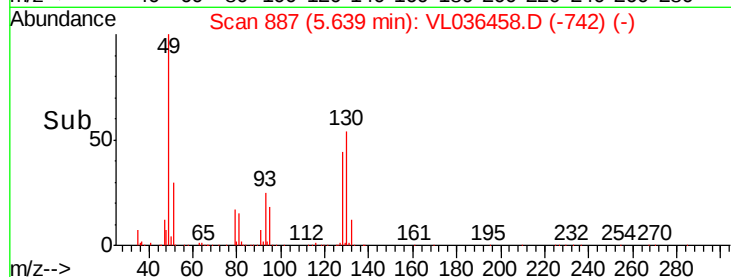
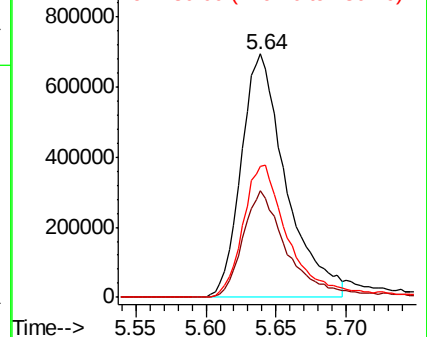
49 100

128 45.4 22.4 67.2

130 57.8 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: 0.359 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.02 min

Lab File: VL036458.D

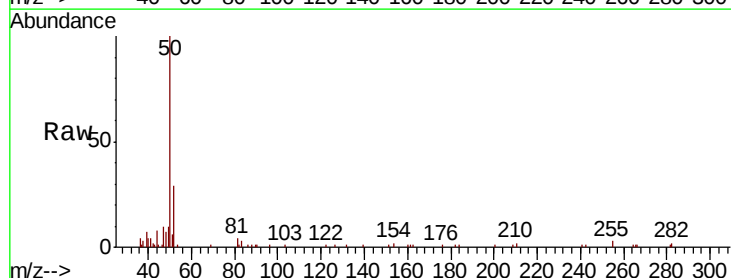
Acq: 19 Mar 2021 22:44

Tgt Ion: 50 Resp: 31194

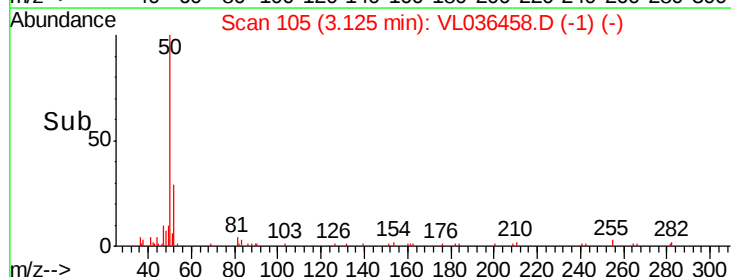
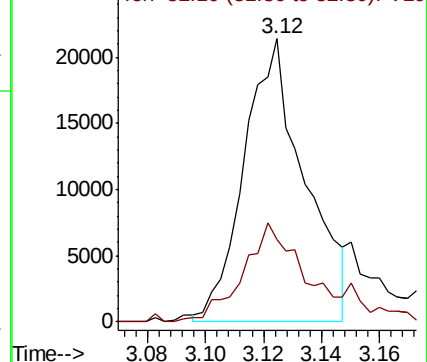
Ion Ratio Lower Upper

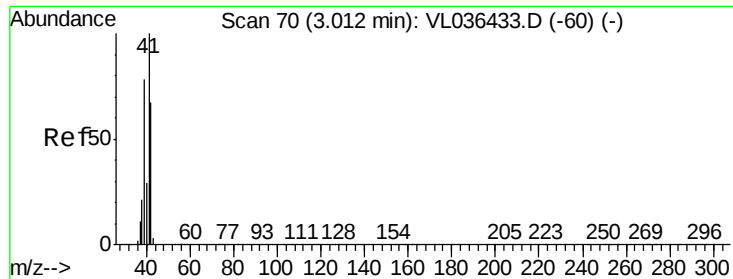
50 100

52 28.3 24.6 36.8



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

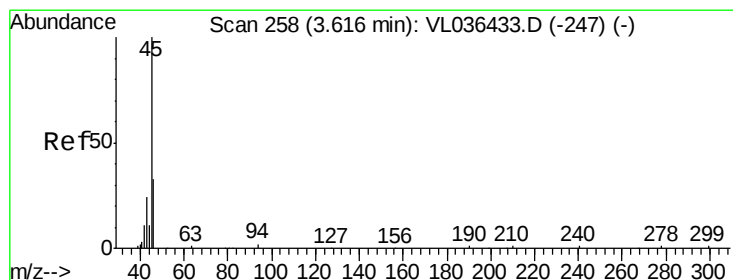
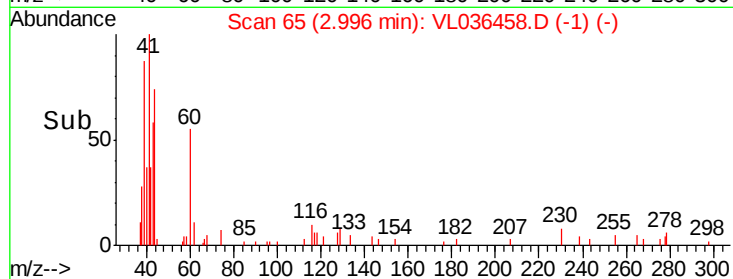
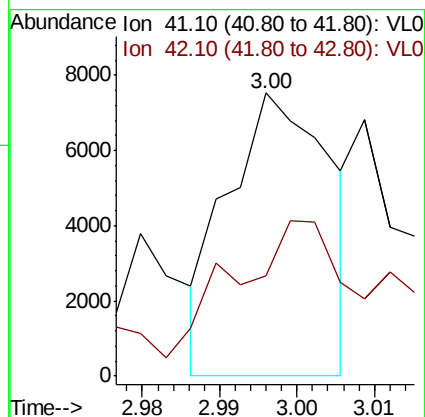
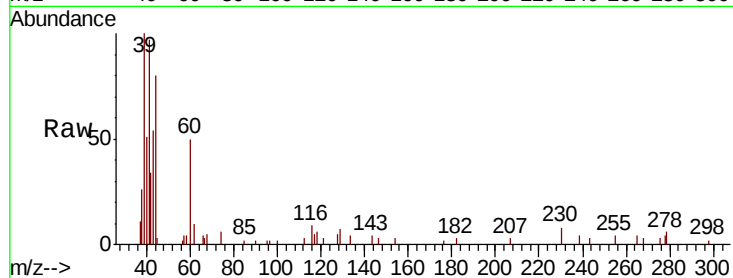




#9
 Propene
 Concen: 0.087 ppbv
 RT: 3.00 min Scan# 65
 Delta R.T. -0.02 min
 Lab File: VL036458.D
 Acq: 19 Mar 2021 22:44

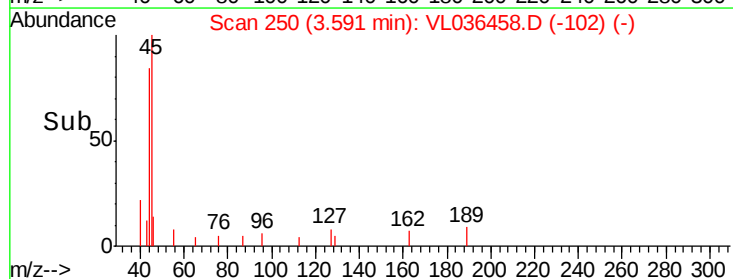
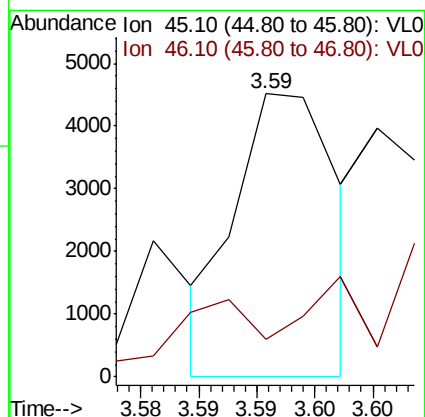
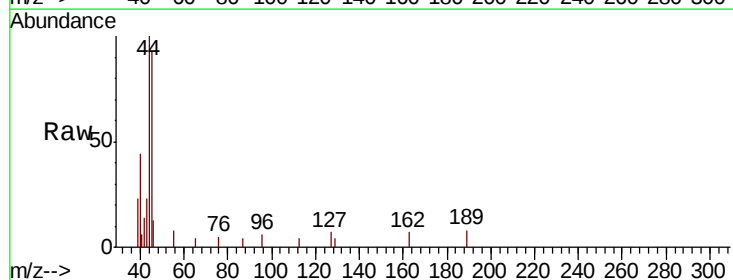
Instrument :
 MSVOA_L
 ClientSampled :

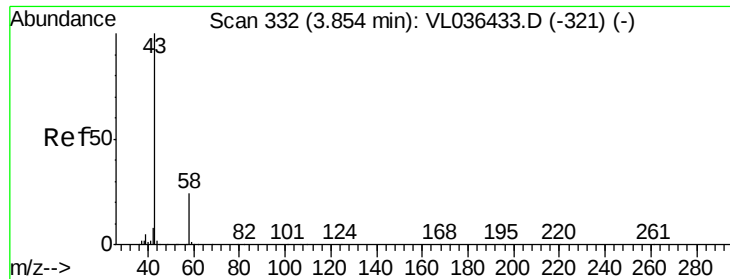
Tot Ion: 41 Resp: 6917
 Ion Ratio Lower Upper
 41 100
 42 112.3 56.2 84.4#



#13
 Ethanol
 Concen: 0.225 ppbv
 RT: 3.59 min Scan# 250
 Delta R.T. -0.03 min
 Lab File: VL036458.D
 Acq: 19 Mar 2021 22:44

Tgt Ion: 45 Resp: 2753
 Ion Ratio Lower Upper
 45 100
 46 0.0 16.8 67.4#





#15

Acetone

Concen: 0.754 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.02 min

Lab File: VL036458.D

Acq: 19 Mar 2021 22:44

Instrument :

MSVOA_L

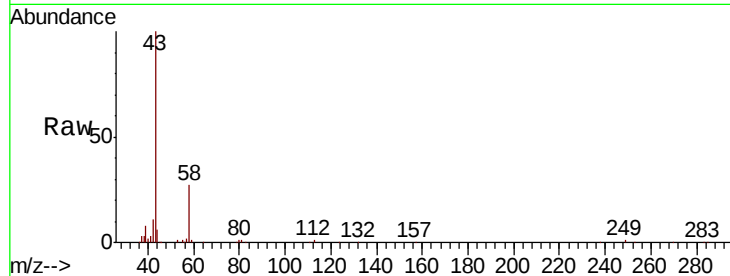
ClientSampleId :

Tot Ion: 43 Resp: 133221

Ion Ratio Lower Upper

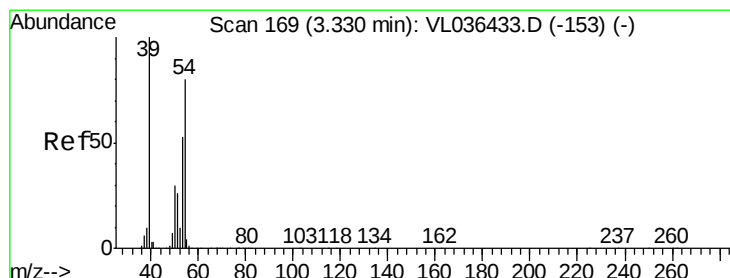
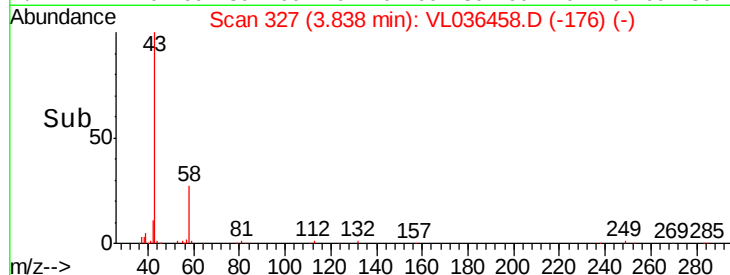
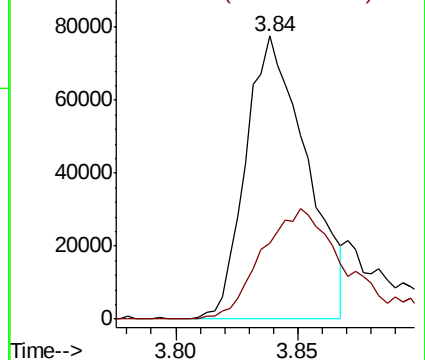
43 100

58 60.5 21.0 31.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.023 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.02 min

Lab File: VL036458.D

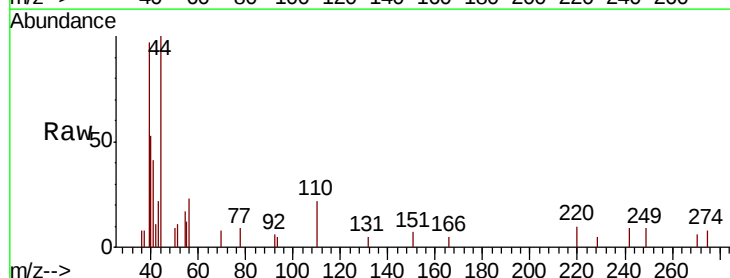
Acq: 19 Mar 2021 22:44

Tgt Ion: 39 Resp: 1945

Ion Ratio Lower Upper

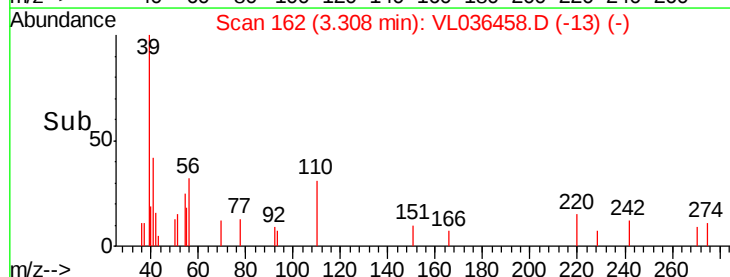
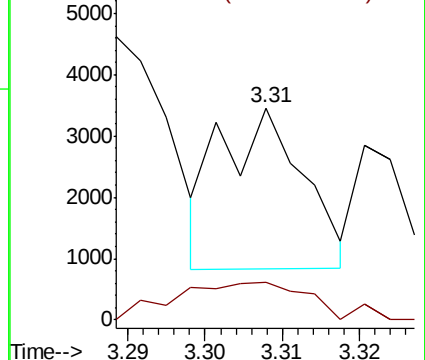
39 100

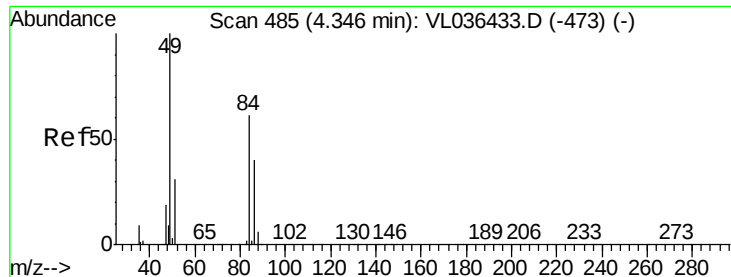
54 0.0 64.5 96.7#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

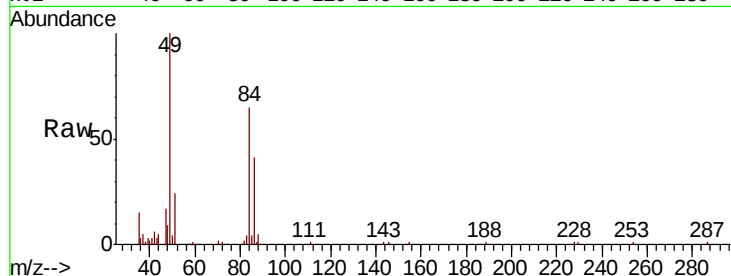




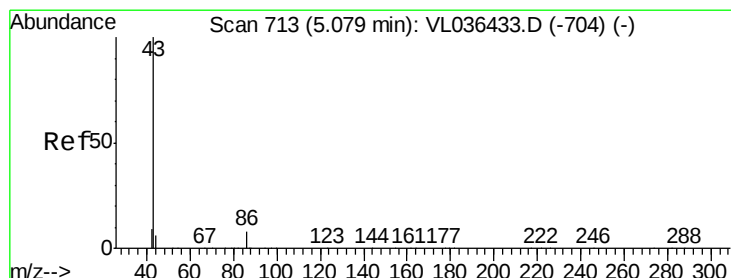
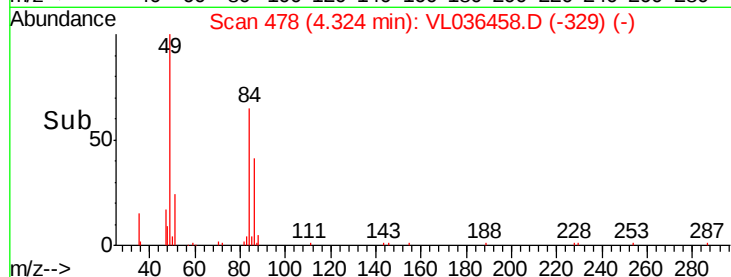
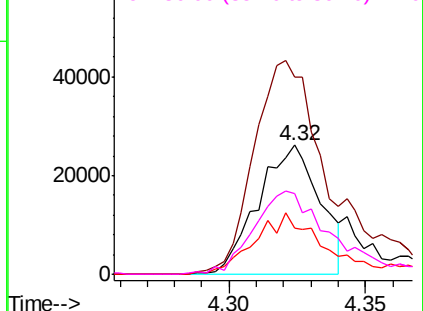
#20
Methvlene Chloride
Concen: 0.694 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.02 min
Lab File: VL036458.D
Acq: 19 Mar 2021 22:44

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 41331
Ion Ratio Lower Upper
84 100
49 152.9 130.2 195.2
51 36.1 40.5 60.7#
86 62.2 51.4 77.2

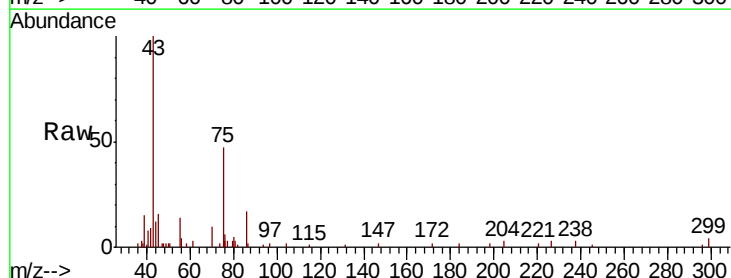


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

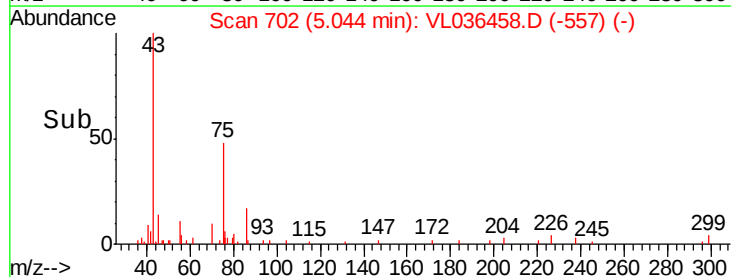
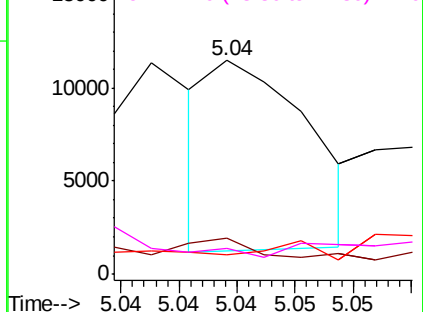


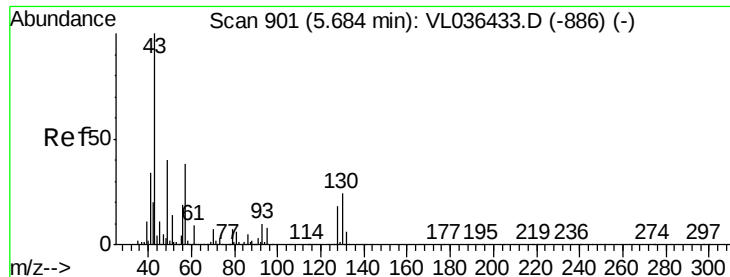
#23
Vinyl Acetate
Concen: 0.030 ppbv
RT: 5.04 min Scan# 702
Delta R.T. -0.04 min
Lab File: VL036458.D
Acq: 19 Mar 2021 22:44

Tgt Ion: 43 Resp: 6018
Ion Ratio Lower Upper
43 100
86 19.0 5.2 7.8#
42 5.4 8.3 12.5#
44 4.3 4.4 6.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0





#25

Ethyl Acetate

Concen: 0.042 ppbv

RT: 5.66 min Scan# 893

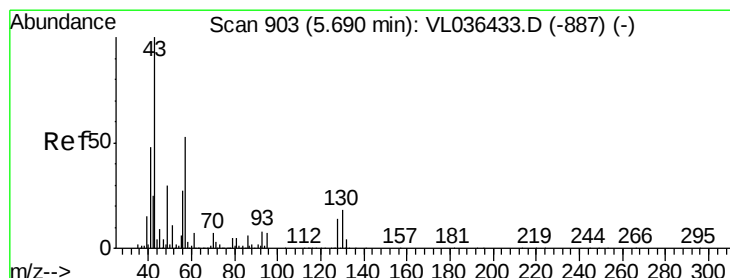
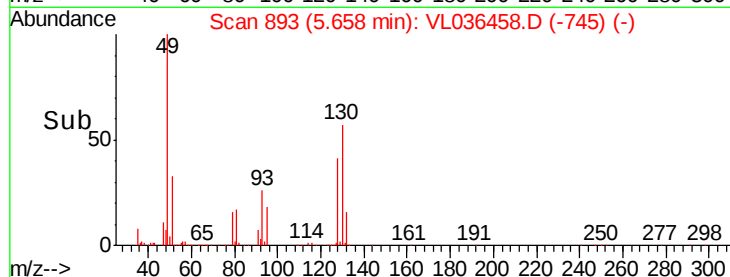
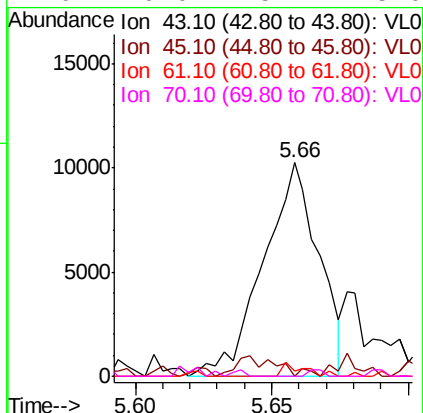
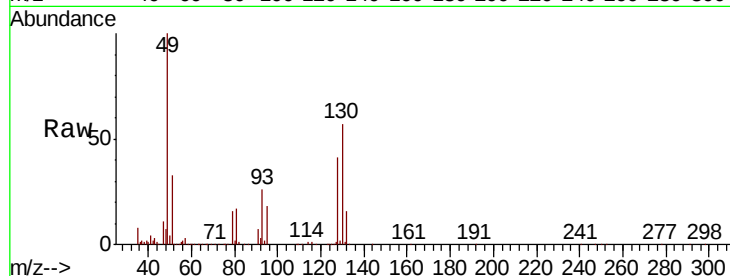
Delta R.T. -0.03 min

Lab File: VL036458.D

Acq: 19 Mar 2021 22:44

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	14449
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.0	12.0#
61	3.2	7.7	11.5#
70	0.0	5.4	8.0#



#26

Hexane

Concen: 0.044 ppbv

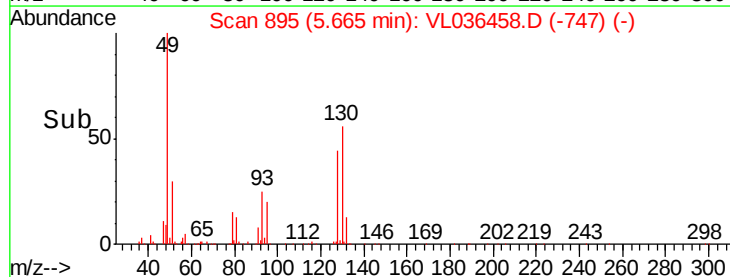
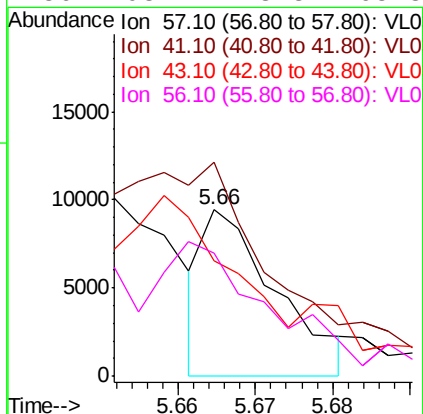
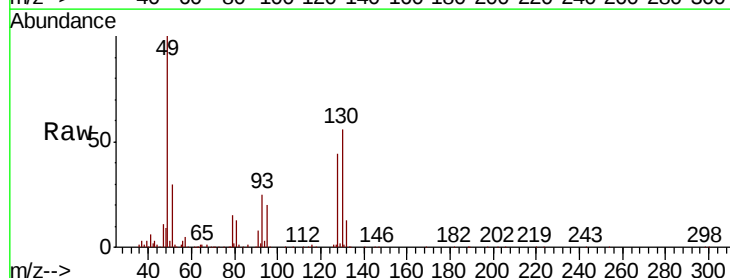
RT: 5.66 min Scan# 895

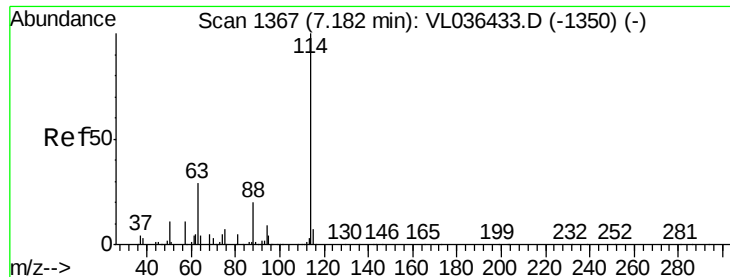
Delta R.T. -0.03 min

Lab File: VL036458.D

Acq: 19 Mar 2021 22:44

Tgt Ion:	57	Resp:	6173
Ion	Ratio	Lower	Upper
57	100		
41	424.1	80.4	120.6#
43	283.5	199.8	299.6
56	208.1	43.8	65.8#

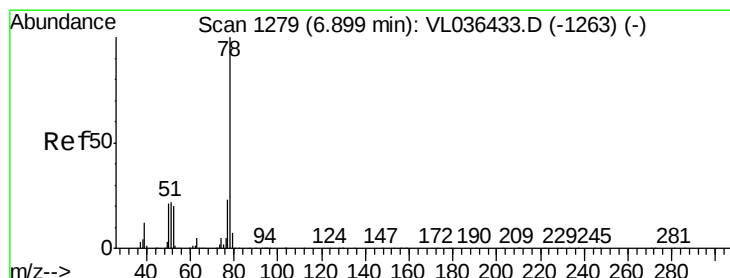
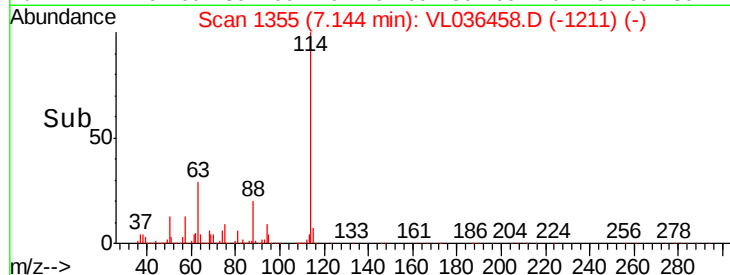
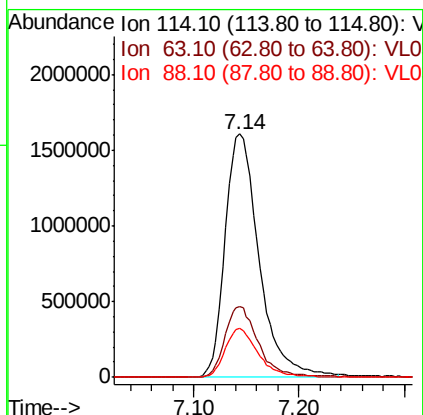
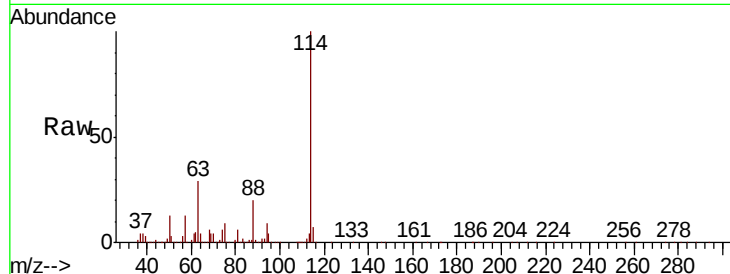




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14 min Scan# 1355
 Delta R.T. -0.04 min
 Lab File: VL036458.D
 Acq: 19 Mar 2021 22:44

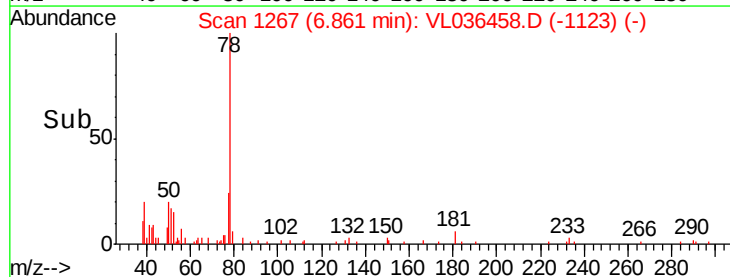
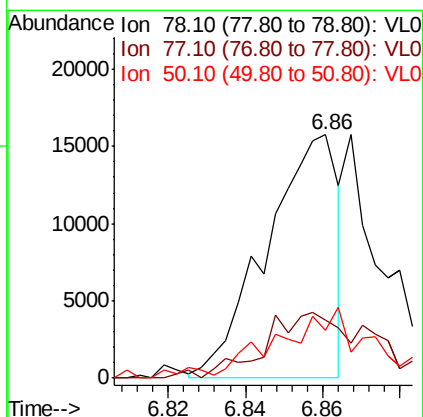
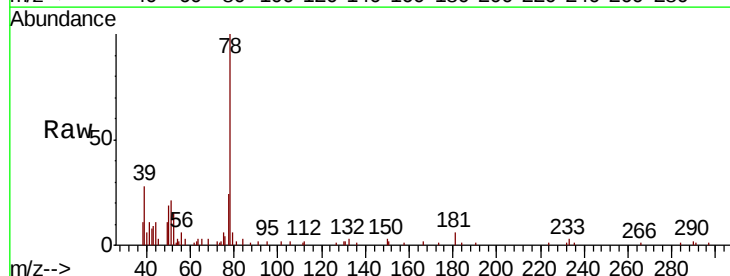
Instrument :
 MSVOA_L
 ClientSampleId :

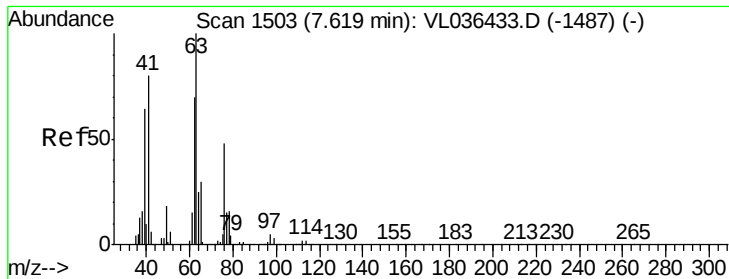
Tot Ion:114 Resp: 3602534
 Ion Ratio Lower Upper
 114 100
 63 29.0 23.3 34.9
 88 19.7 15.6 23.4



#36
 Benzene
 Concen: 0.072 ppbv
 RT: 6.86 min Scan# 1267
 Delta R.T. -0.04 min
 Lab File: VL036458.D
 Acq: 19 Mar 2021 22:44

Tgt Ion: 78 Resp: 20176
 Ion Ratio Lower Upper
 78 100
 77 21.1 18.1 27.1
 50 15.4 16.8 25.2#

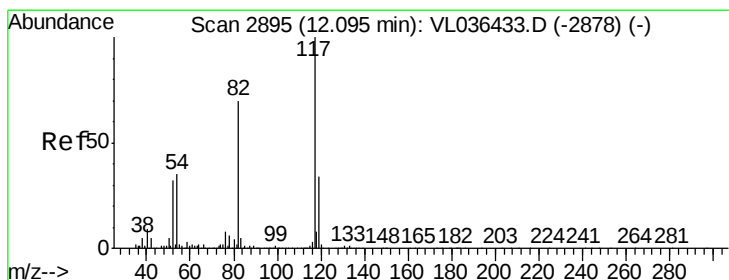
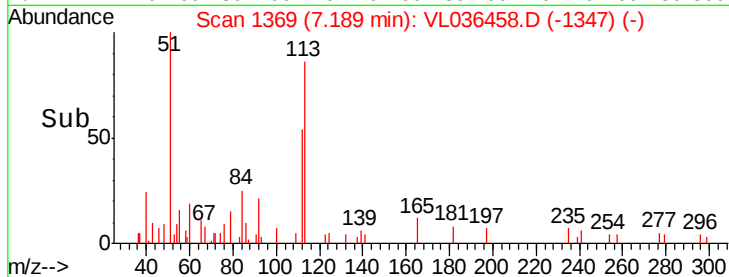
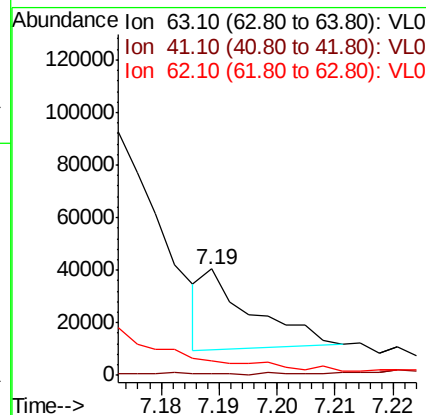
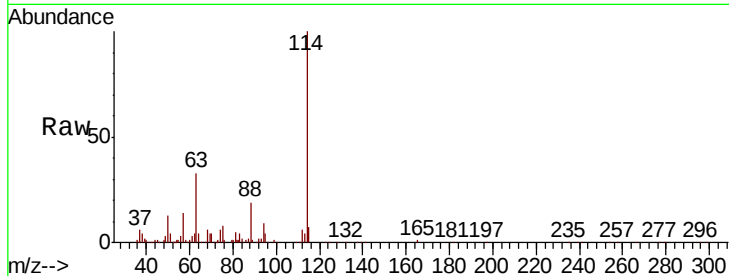




#39
 1,2-Dichloropropane
 Concen: 0.151 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.43 min
 Lab File: VL036458.D
 Acq: 19 Mar 2021 22:44

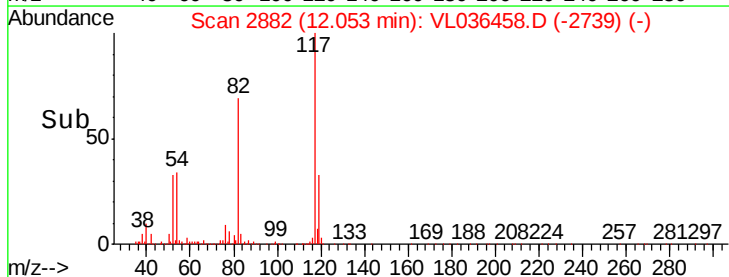
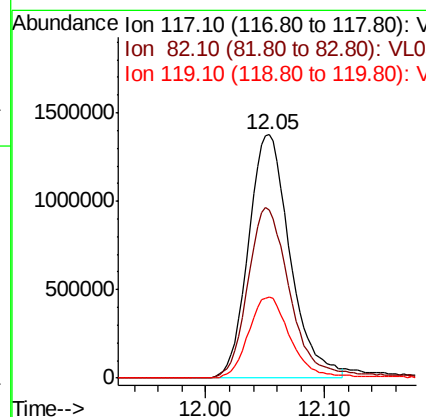
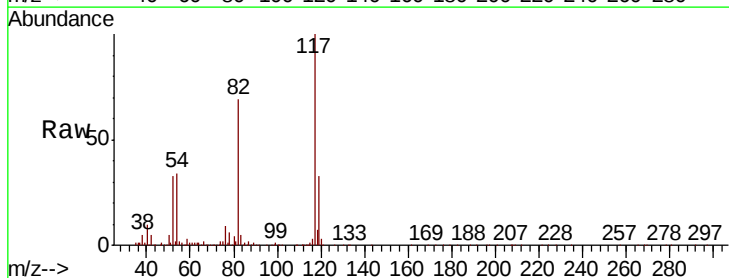
Instrument :
 MSVOA_L
 ClientSampled :

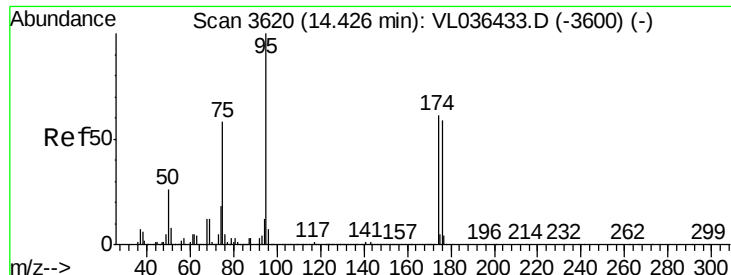
Tot Ion: 63 Resp: 17997
 Ion Ratio Lower Upper
 63 100
 41 0.0 64.4 96.6#
 62 12.8 55.7 83.5#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.05 min Scan# 2882
 Delta R.T. -0.04 min
 Lab File: VL036458.D
 Acq: 19 Mar 2021 22:44

Tgt Ion: 117 Resp: 3333148
 Ion Ratio Lower Upper
 117 100
 82 73.5 56.5 84.7
 119 34.3 27.0 40.4





#68

1-Bromo-4-Fluorobenzene

Concen: 9.894 ppbv

RT: 14.38 min Scan# 3607

Delta R.T. -0.04 min

Lab File: VL036458.D

Acq: 19 Mar 2021 22:44

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2712071

Ion Ratio Lower Upper

95 100

174 65.3 51.0 76.4

175 4.9 3.8 5.6

