

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL021021\
 Data File : VL036329.D
 Acq On : 10 Feb 2021 22:34
 Operator : SY/AP
 Sample : M1343-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 11 06:12:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1711883	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3662659	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3367065	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2658176	9.60	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.00%

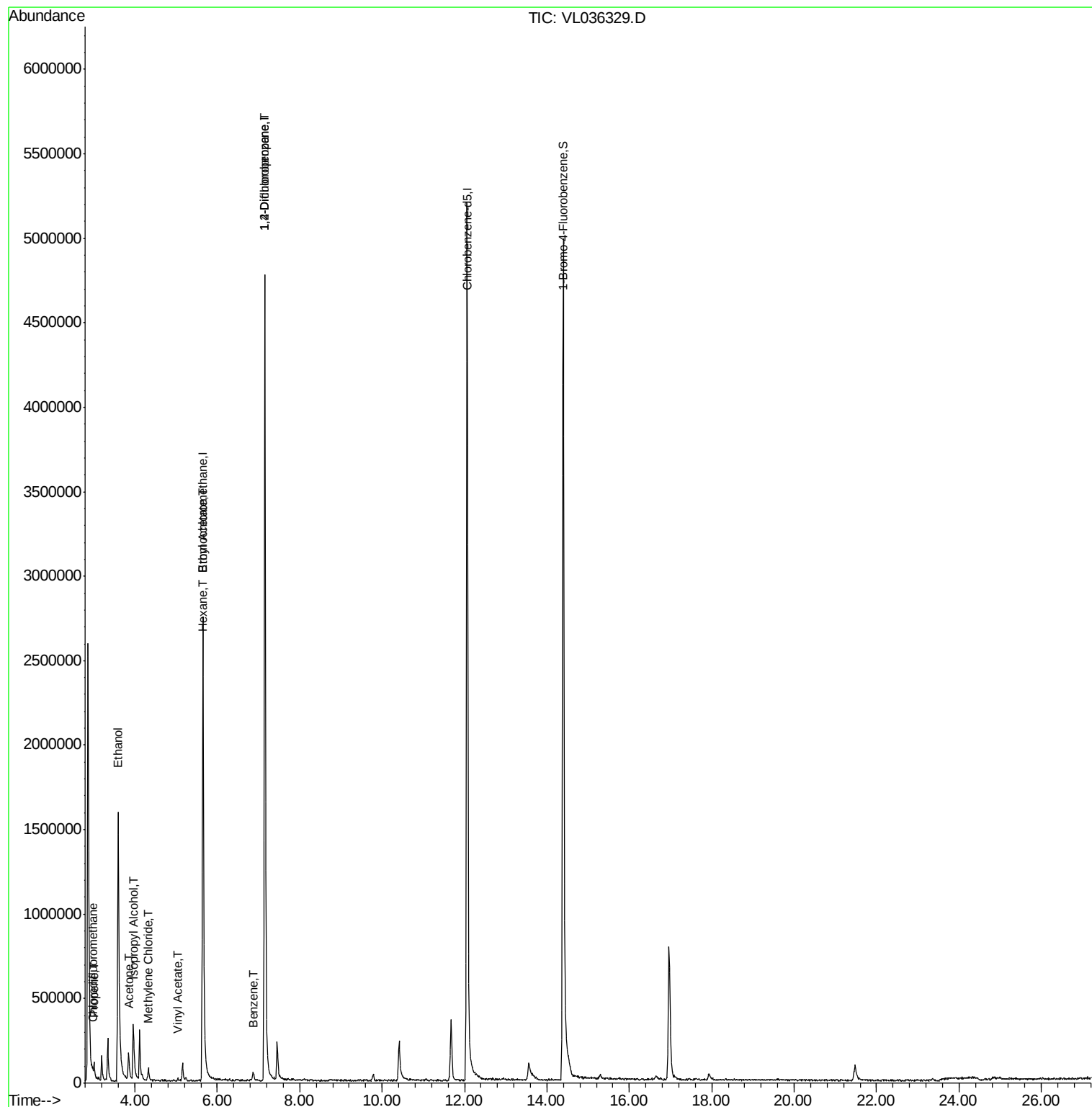
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.97	51	110834	0.521	ppbv #	86
9) Propene	3.01	41	19994	0.252	ppbv	99
13) Ethanol	3.59	45	2303348	154.634	ppbv	90
15) Acetone	3.84	43	89828	0.429	ppbv #	50
19) Isopropyl Alcohol	3.96	45	416615	3.594	ppbv #	95
20) Methylene Chloride	4.33	84	9978	0.148	ppbv #	83
23) Vinyl Acetate	5.05	43	11352	0.046	ppbv #	87
25) Ethyl Acetate	5.66	43	13311	0.033	ppbv #	75
26) Hexane	5.66	57	9962	0.060	ppbv #	25
36) Benzene	6.86	78	16720	0.054	ppbv #	93
39) 1,2-Dichloropropane	7.15	63	1093810	8.654	ppbv #	24

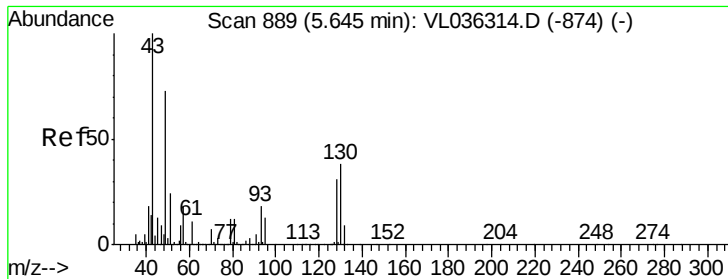
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 16:04:02 2021
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. 0.00 min

Lab File: VL036329.D

Acq: 10 Feb 2021 22:34

Instrument :
MSVOA_L
ClientSampleId :

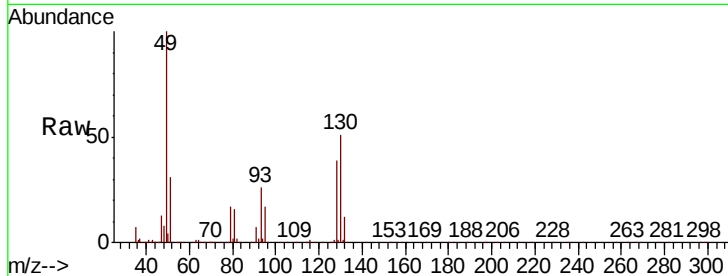
Tot Ion: 49 Resp: 1711883

Ion Ratio Lower Upper

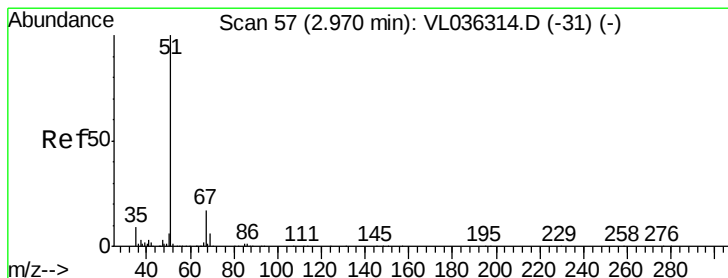
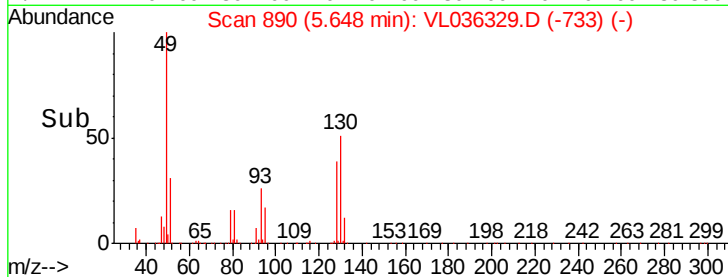
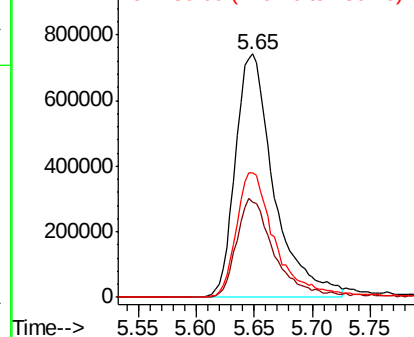
49 100

128 41.4 20.8 62.5

130 52.0 26.7 80.1



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



#3

Chlorodifluoromethane

Concen: 0.521 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.00 min

Lab File: VL036329.D

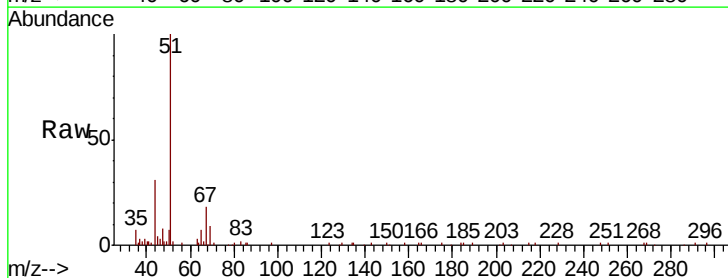
Acq: 10 Feb 2021 22:34

Tgt Ion: 51 Resp: 110834

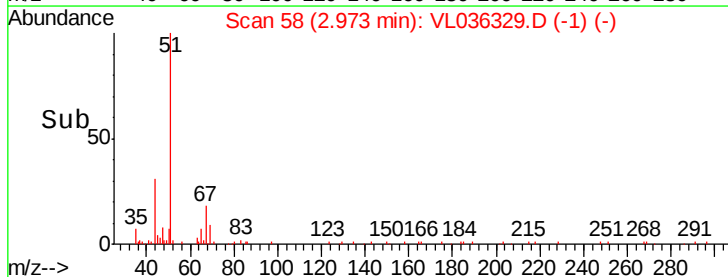
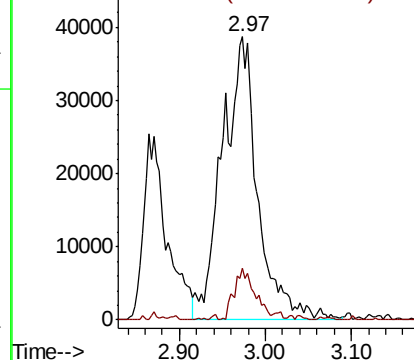
Ion Ratio Lower Upper

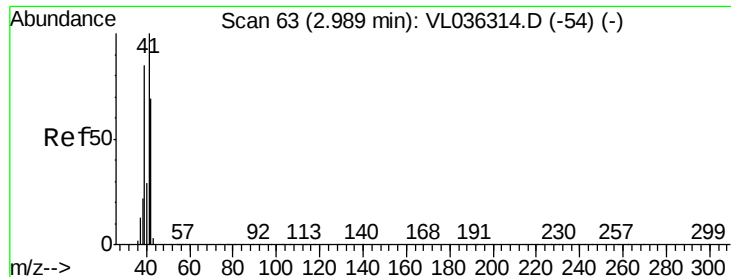
51 100

67 12.0 14.7 22.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.252 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.02 min

Lab File: VL036329.D

Acq: 10 Feb 2021 22:34

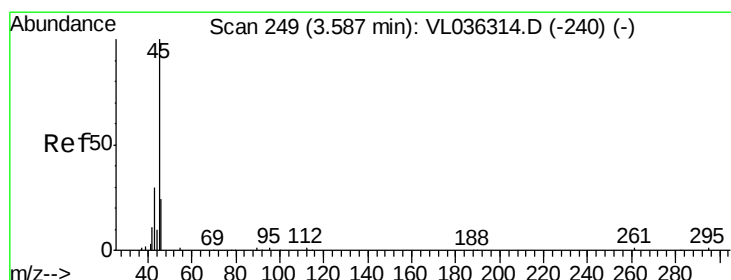
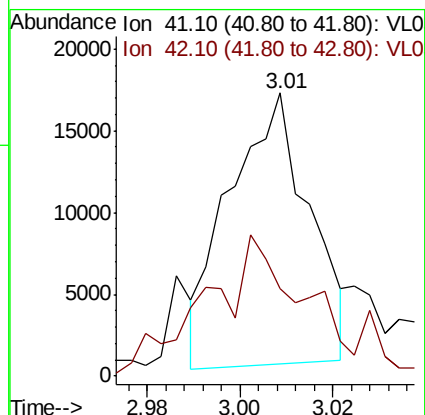
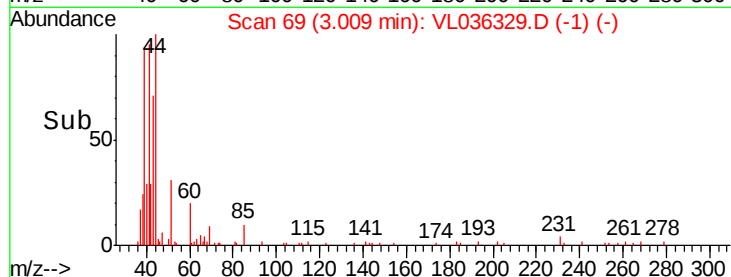
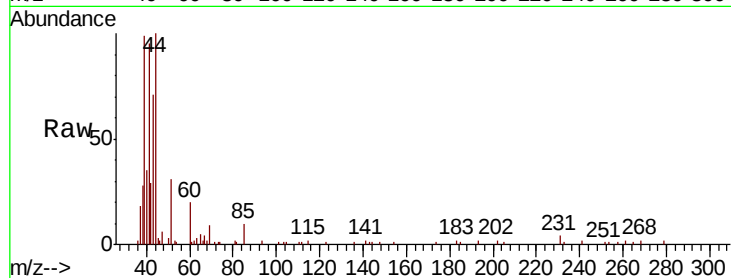
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 41 Resp: 19994

Ion Ratio Lower Upper

41 100

42 71.1 56.2 84.2



#13

Ethanol

Concen: 154.634 ppbv

RT: 3.59 min Scan# 250

Delta R.T. 0.00 min

Lab File: VL036329.D

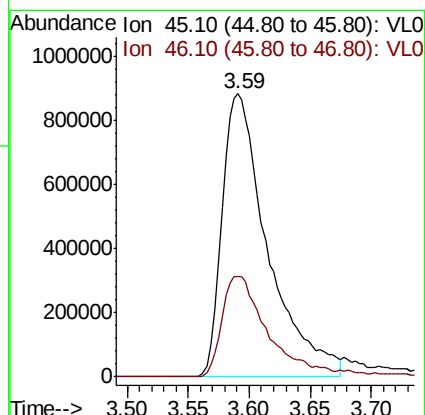
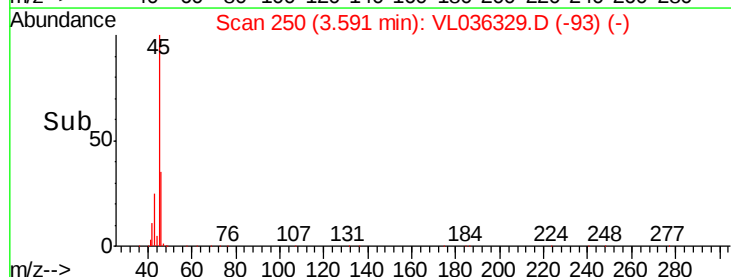
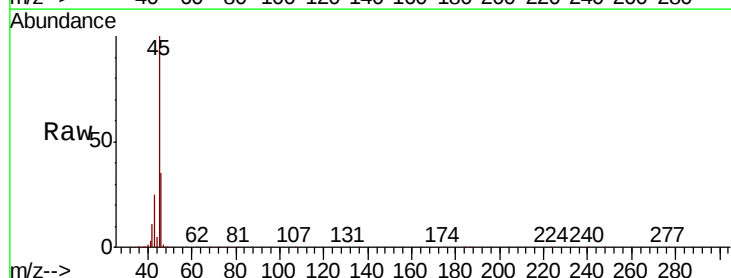
Acq: 10 Feb 2021 22:34

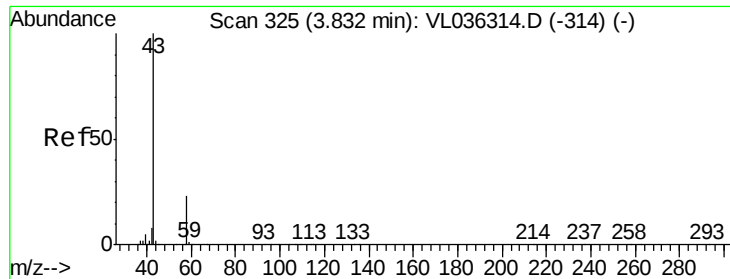
Tgt Ion: 45 Resp: 2303348

Ion Ratio Lower Upper

45 100

46 38.0 17.7 70.7

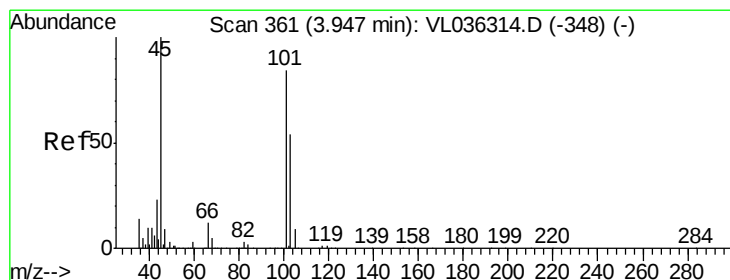
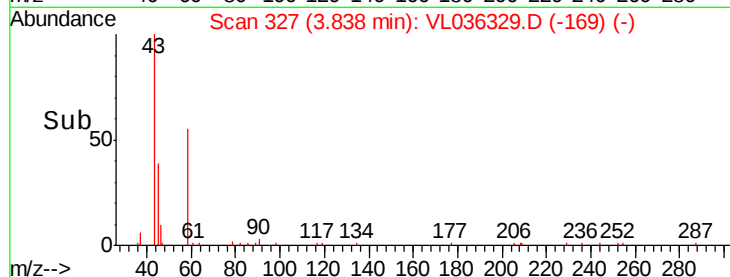
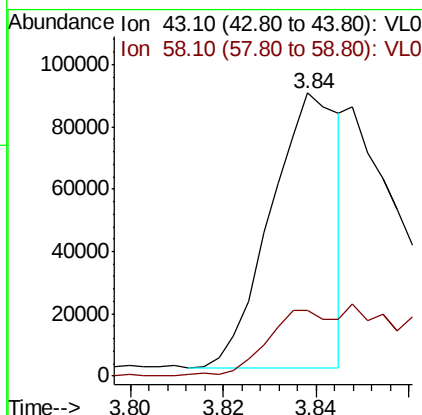
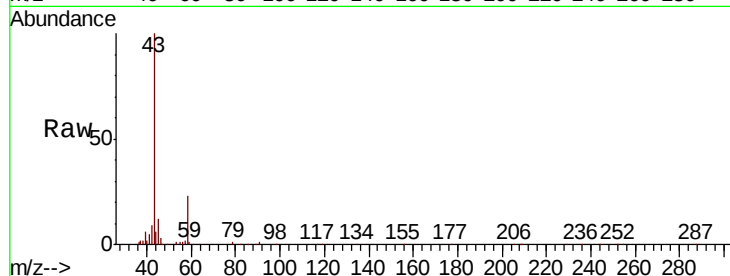




#15
Acetone
Concen: 0.429 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.01 min
Lab File: VL036329.D
Acq: 10 Feb 2021 22:34

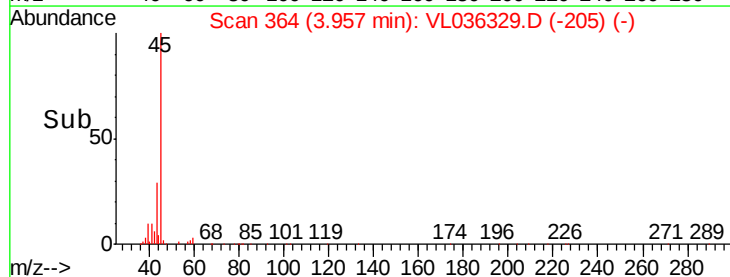
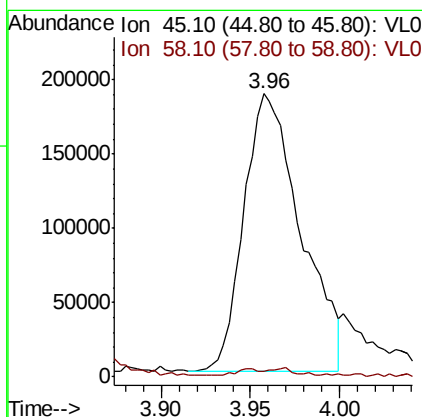
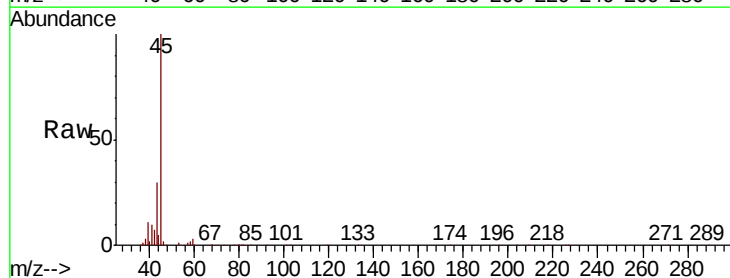
Instrument :
MSVOA_L
ClientSampled :

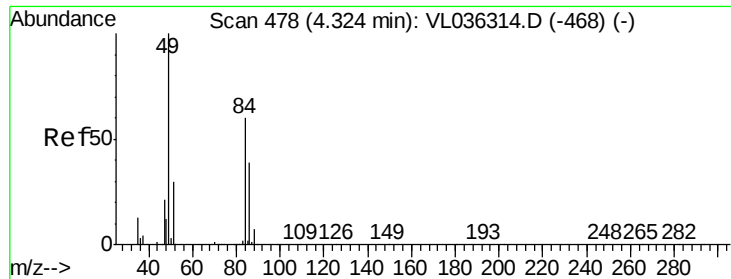
Tot Ion: 43 Resp: 89828
Ion Ratio Lower Upper
43 100
58 0.0 20.3 30.5#



#19
Isopropyl Alcohol
Concen: 3.594 ppbv
RT: 3.96 min Scan# 364
Delta R.T. 0.01 min
Lab File: VL036329.D
Acq: 10 Feb 2021 22:34

Tgt Ion: 45 Resp: 416615
Ion Ratio Lower Upper
45 100
58 4.1 1.9 2.9#

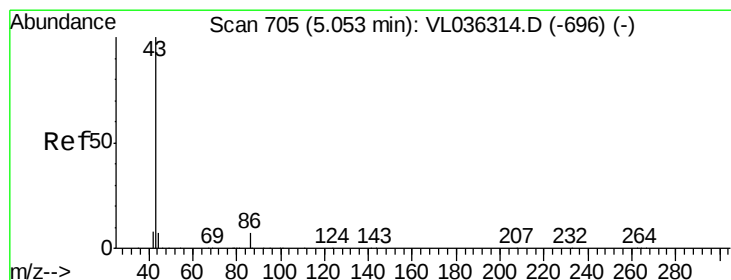
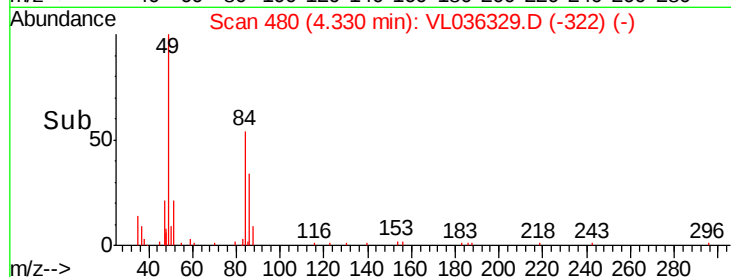
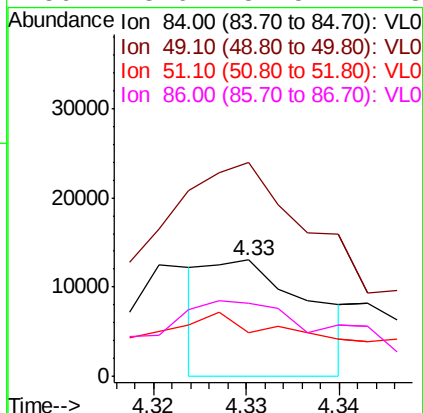
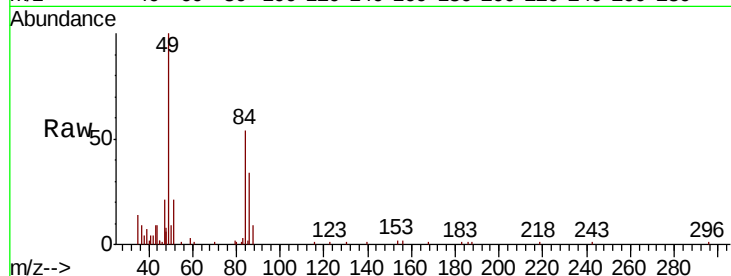




#20
Methylene Chloride
Concen: 0.148 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.01 min
Lab File: VL036329.D
Acq: 10 Feb 2021 22:34

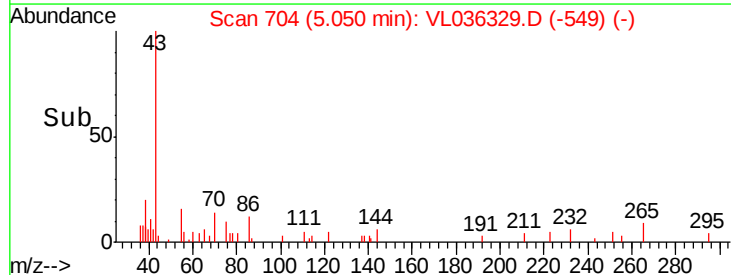
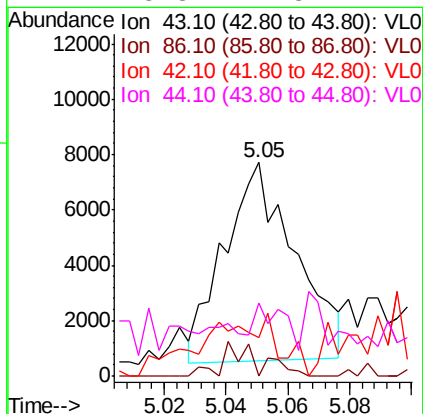
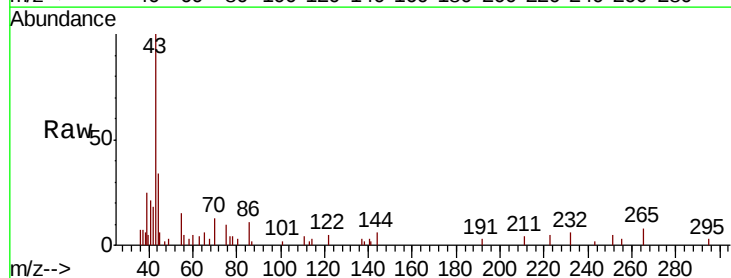
Instrument :
MSVOA_L
ClientSampleId :

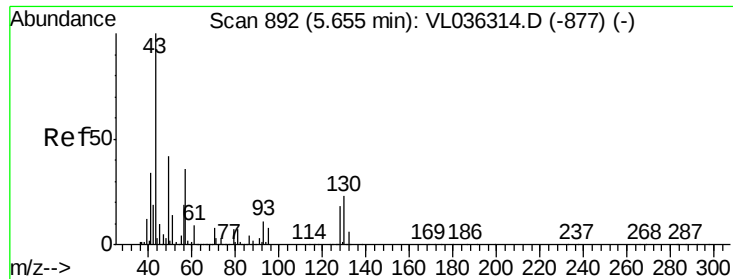
Tot Ion:	84	Resp:	9978
Ion	Ratio	Lower	Upper
84	100		
49	159.2	133.8	200.8
51	15.8	41.4	62.0#
86	48.6	51.5	77.3#



#23
Vinyl Acetate
Concen: 0.046 ppbv
RT: 5.05 min Scan# 704
Delta R.T. -0.00 min
Lab File: VL036329.D
Acq: 10 Feb 2021 22:34

Tgt Ion:	43	Resp:	11352
Ion	Ratio	Lower	Upper
43	100		
86	0.0	4.8	7.2#
42	9.0	7.4	11.0
44	15.3	4.8	7.2#

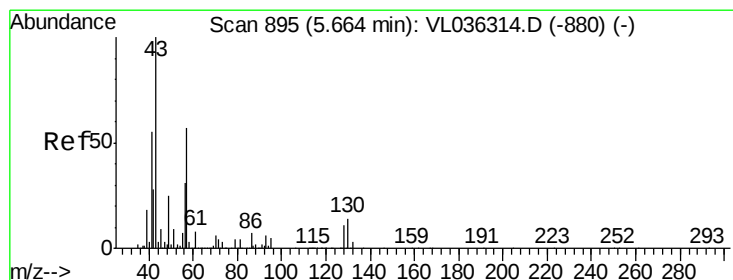
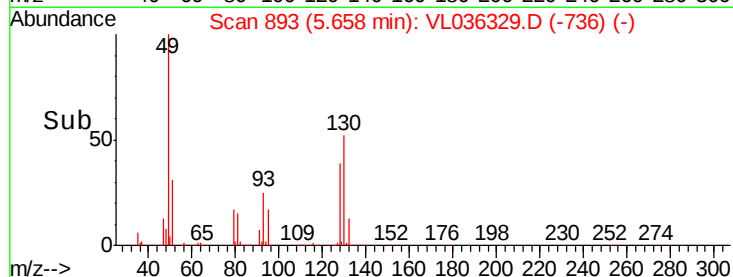
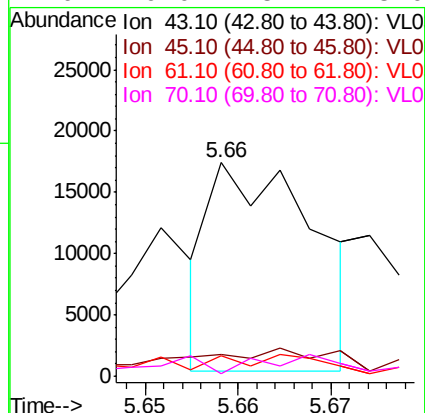
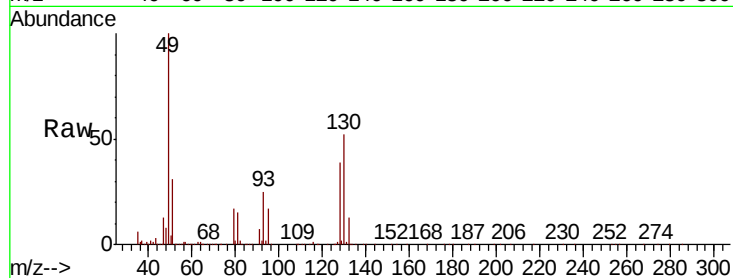




#25
Ethyl Acetate
Concen: 0.033 ppbv
RT: 5.66 min Scan# 893
Delta R.T. 0.00 min
Lab File: VL036329.D
Acq: 10 Feb 2021 22:34

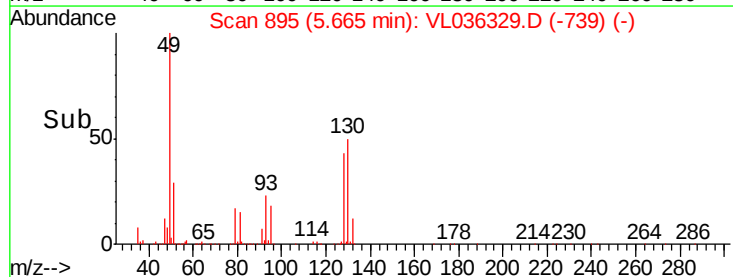
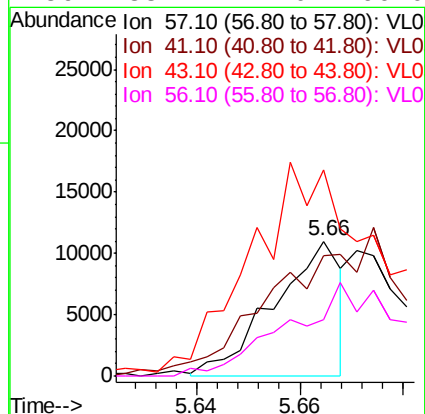
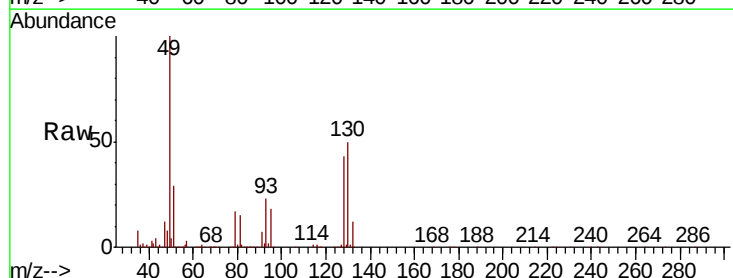
Instrument :
MSVOA_L
ClientSampled :

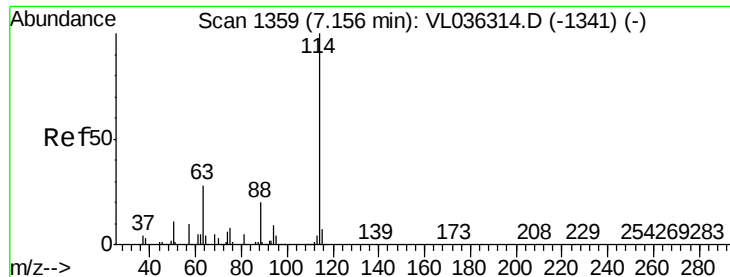
Tot Ion:	43	Resp:	13311
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.3	12.5#
61	0.0	7.3	10.9#
70	0.0	5.4	8.0#



#26
Hexane
Concen: 0.060 ppbv
RT: 5.66 min Scan# 895
Delta R.T. 0.00 min
Lab File: VL036329.D
Acq: 10 Feb 2021 22:34

Tgt Ion:	57	Resp:	9962
Ion	Ratio	Lower	Upper
57	100		
41	0.0	81.7	122.5#
43	348.5	199.1	298.7#
56	133.1	44.0	66.0#

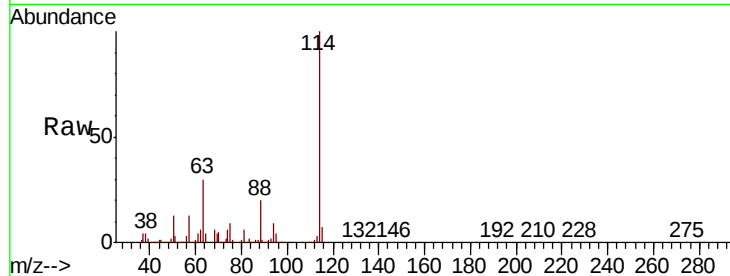




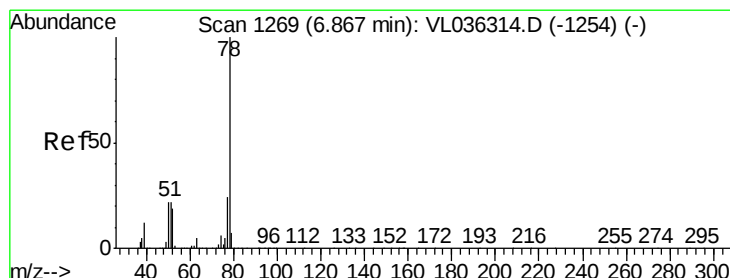
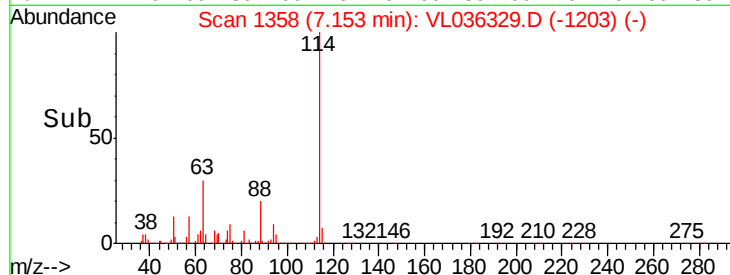
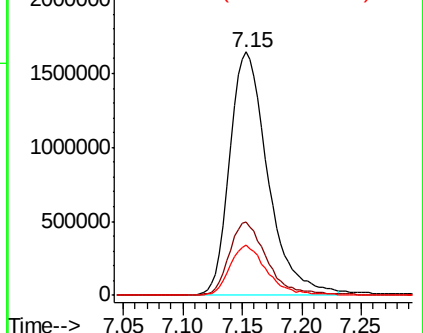
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VL036329.D
 Acq: 10 Feb 2021 22:34

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3662659
 Ion Ratio Lower Upper
 114 100
 63 29.9 24.1 36.1
 88 20.3 16.0 24.0

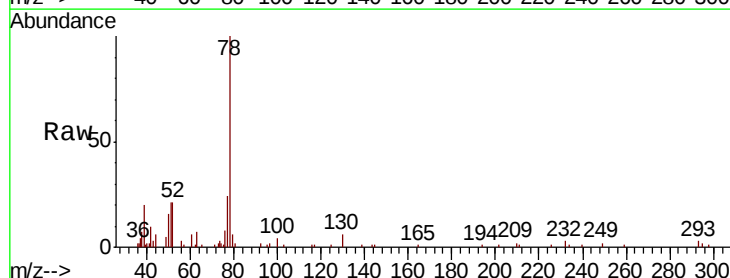


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

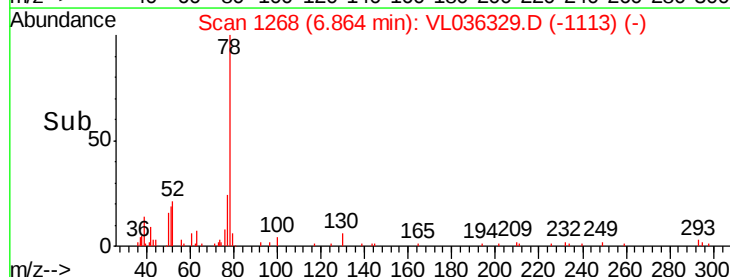
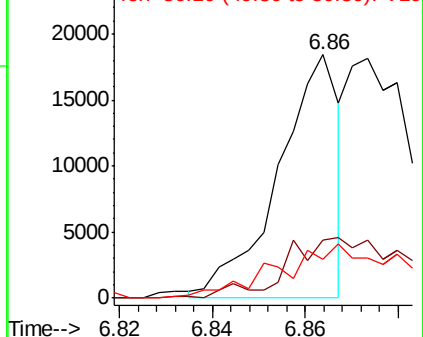


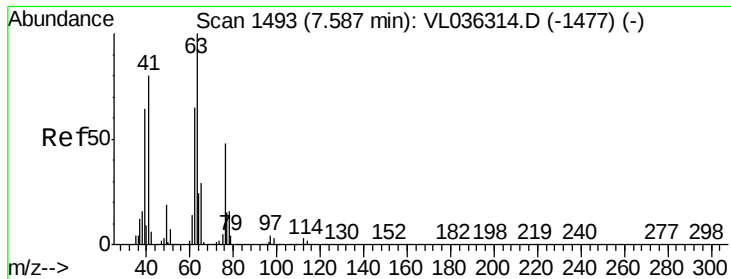
#36
 Benzene
 Concen: 0.054 ppbv
 RT: 6.86 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VL036329.D
 Acq: 10 Feb 2021 22:34

Tgt Ion: 78 Resp: 16720
 Ion Ratio Lower Upper
 78 100
 77 23.5 18.9 28.3
 50 15.2 17.3 25.9#



Abundance Ion 78.10 (77.80 to 78.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0
 Ion 50.10 (49.80 to 50.80): VL0

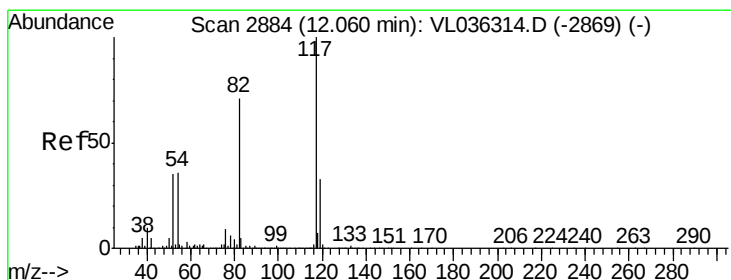
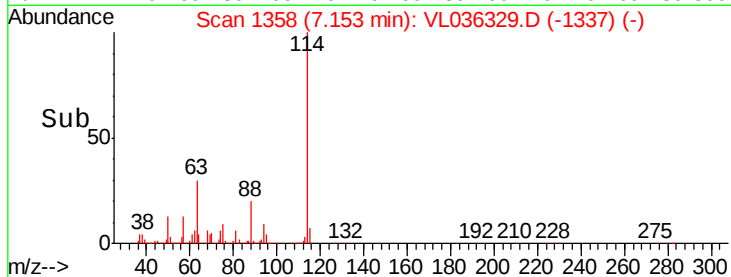
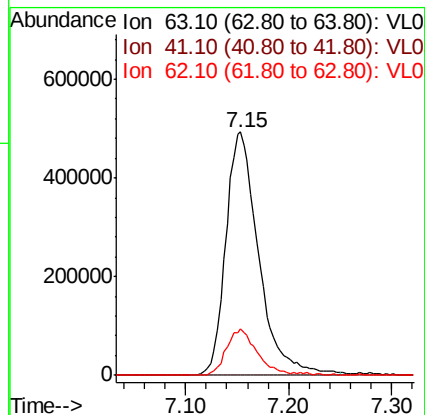
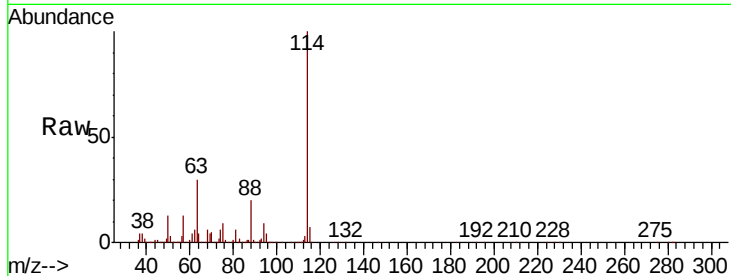




#39
 1,2-Dichloropropane
 Concen: 8.654 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.43 min
 Lab File: VL036329.D
 Acq: 10 Feb 2021 22:34

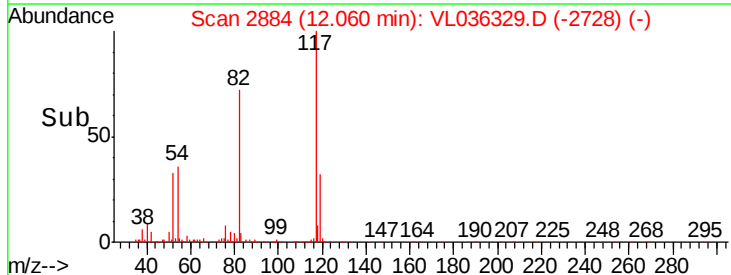
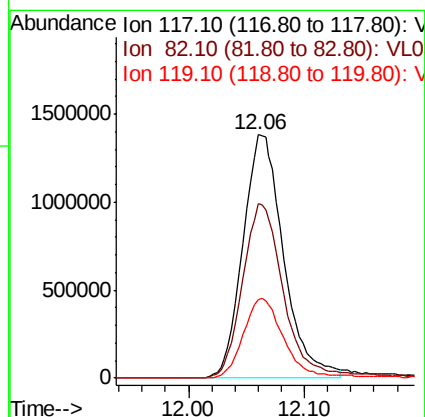
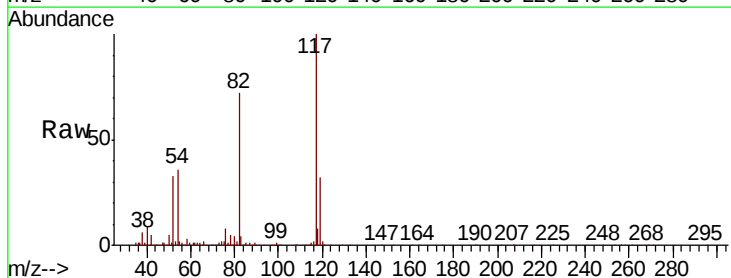
Instrument :
 MSVOA_L
 ClientSampleId :

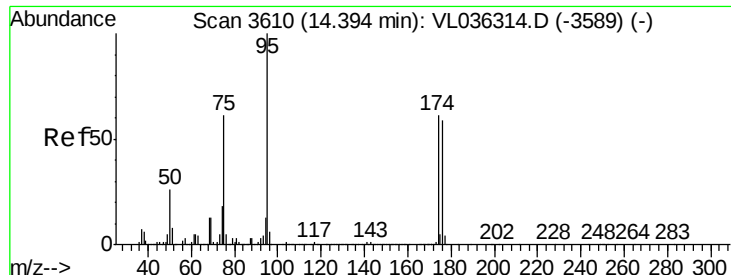
Tot Ion: 63 Resp: 1093810
 Ion Ratio Lower Upper
 63 100
 41 0.2 63.8 95.6#
 62 19.2 52.3 78.5#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06 min Scan# 2884
 Delta R.T. 0.00 min
 Lab File: VL036329.D
 Acq: 10 Feb 2021 22:34

Tgt Ion: 117 Resp: 3367065
 Ion Ratio Lower Upper
 117 100
 82 75.2 59.1 88.7
 119 33.7 46.3 69.5#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.595 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. 0.00 min

Lab File: VL036329.D

Acq: 10 Feb 2021 22:34

Instrument :

MSVOA_L

ClientSampleId :

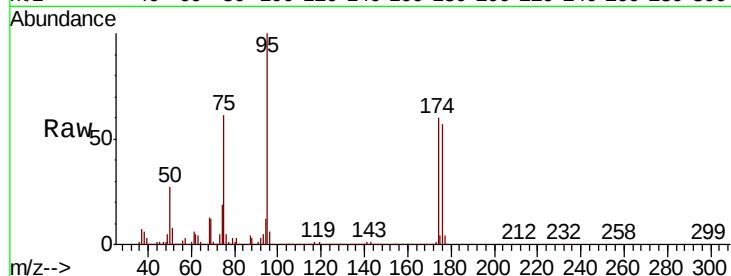
Tot Ion: 95 Resp: 2658176

Ion Ratio Lower Upper

95 100

174 65.3 49.8 74.6

175 4.7 3.7 5.5



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

