

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032521\
 Data File : VL036494.D
 Acq On : 25 Mar 2021 20:00
 Operator :
 Sample : M1748-34 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 26 03:52:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1513240	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3427313	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3087051	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2423124	9.85	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.50%

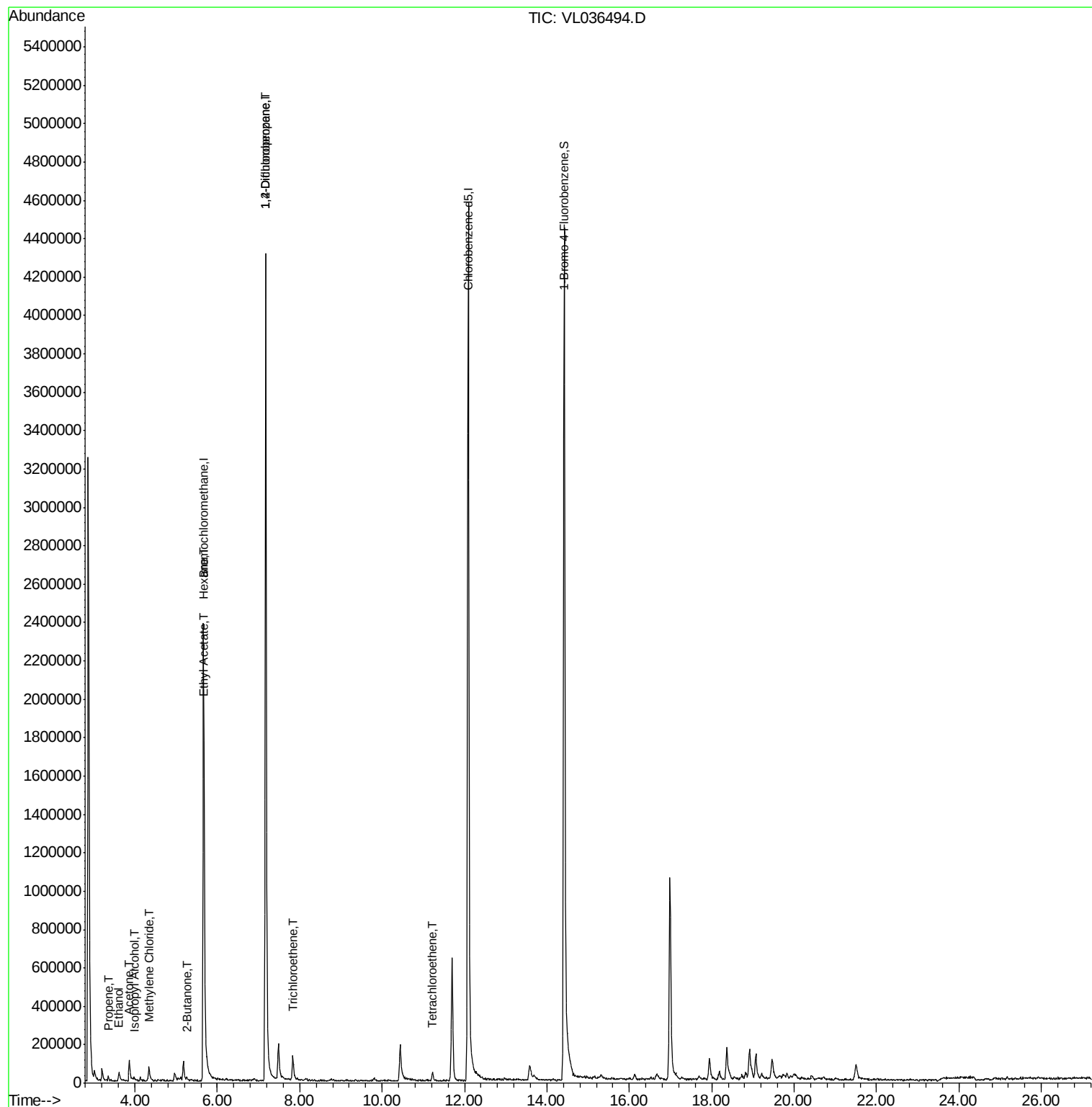
Target Compounds					Ovalue
9) Propene	3.36	41	6248	0.069 ppbv	99
13) Ethanol	3.60	45	20079	1.871 ppbv #	34
15) Acetone	3.86	43	113015	0.759 ppbv #	61
19) Isopropyl Alcohol	3.97	45	2537	0.031 ppbv #	89
20) Methylene Chloride	4.34	84	22819	0.327 ppbv #	76
25) Ethyl Acetate	5.69	43	8163	0.023 ppbv #	79
26) Hexane	5.68	57	12855	0.078 ppbv #	31
34) 2-Butanone	5.26	43	12431	0.074 ppbv #	55
38) Trichloroethene	7.83	130	34583	0.281 ppbv	97
39) 1,2-Dichloropropane	7.17	63	956882	7.463 ppbv #	24
52) Tetrachloroethene	11.22	164	3841	0.033 ppbv #	29

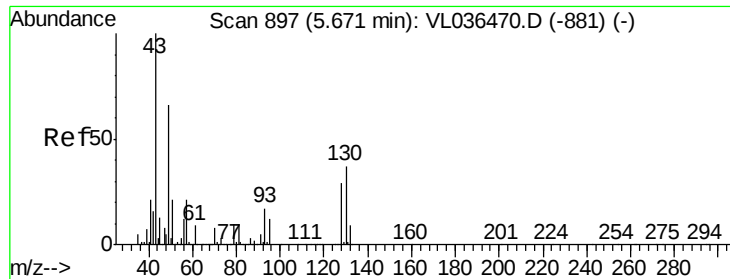
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 20:00

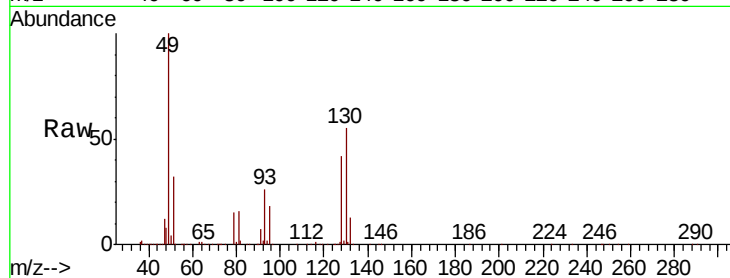
Tot Ion: 49 Resp: 1513240

Ion	Ratio	Lower	Upper
49	100		
128	44.0	23.5	70.6
130	55.4	29.1	87.4

49 100

128 44.0 23.5 70.6

130 55.4 29.1 87.4



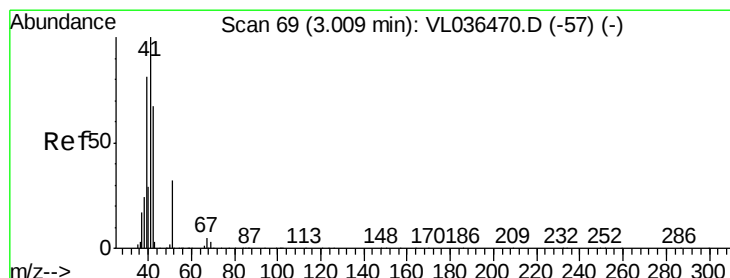
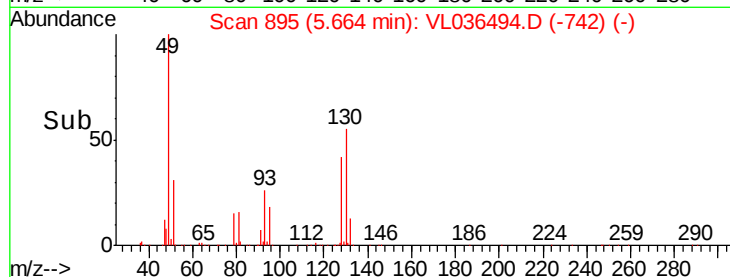
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.66

Time-->



#9

Propene

Concen: 0.069 ppbv

RT: 3.36 min Scan# 177

Delta R.T. 0.35 min

Lab File: VL036494.D

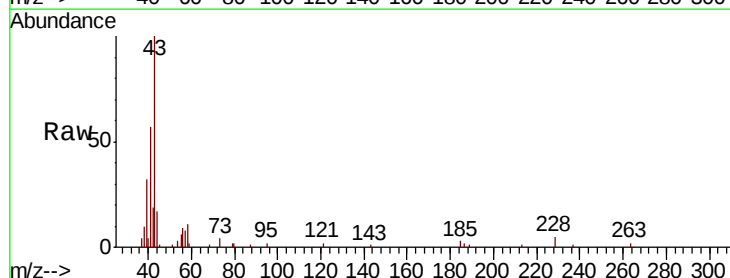
Acq: 25 Mar 2021 20:00

Tgt Ion: 41 Resp: 6248

Ion	Ratio	Lower	Upper
41	100		
42	70.1	57.0	85.4

41 100

42 70.1 57.0 85.4

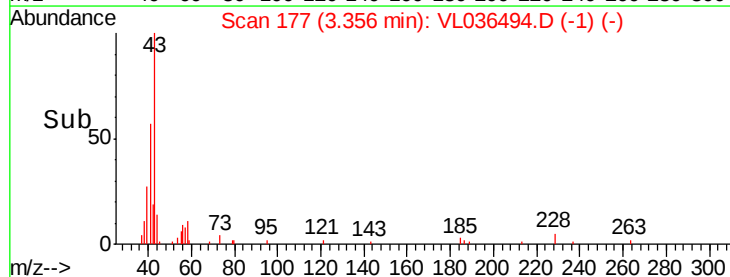


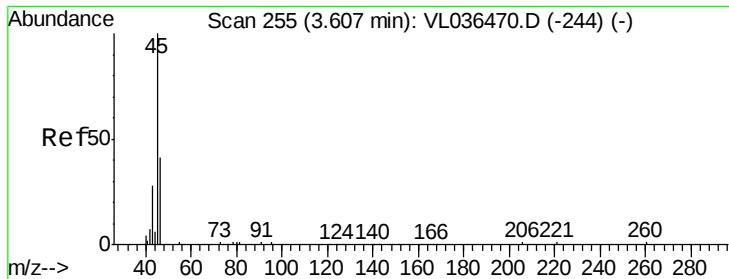
Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.36

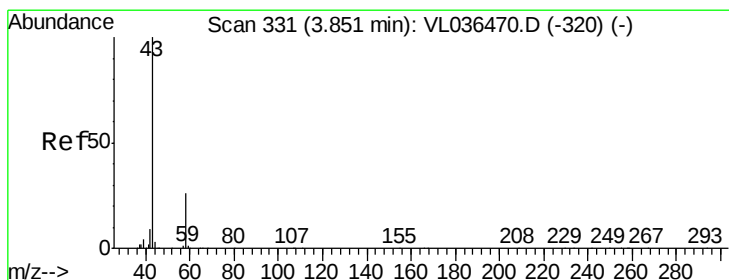
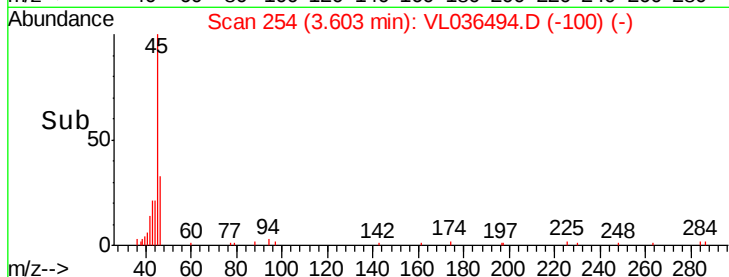
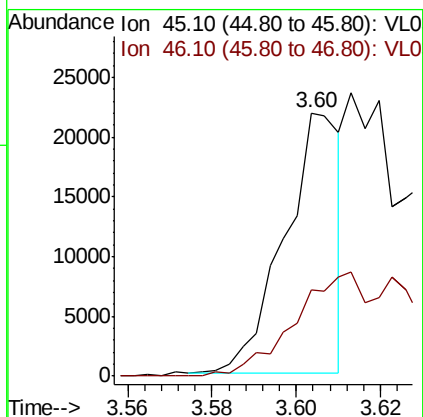
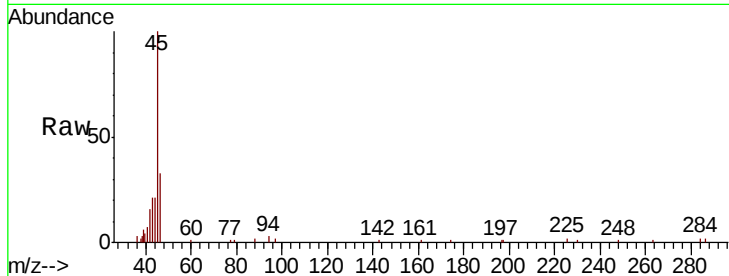
Time-->





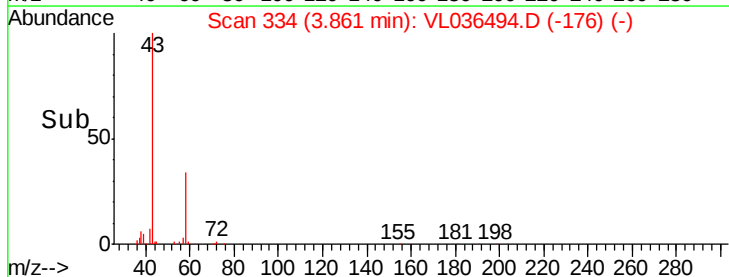
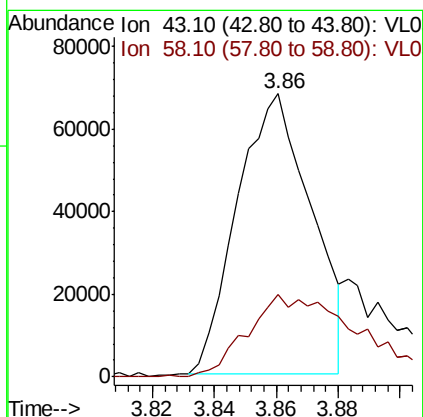
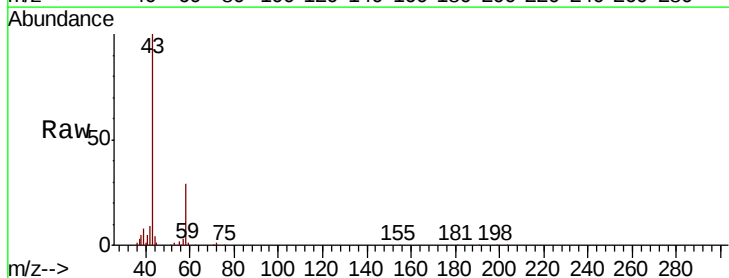
#13
Ethanol
Concen: 1.871 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 25 Mar 2021 20:00

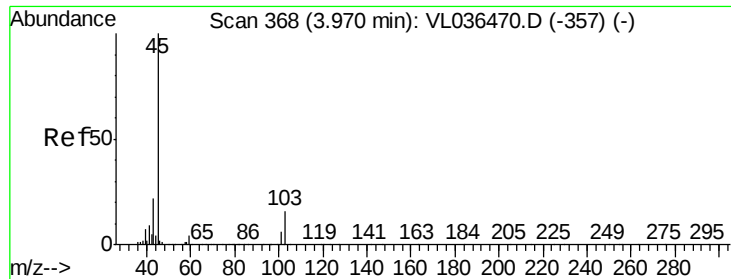
Tot Ion: 45 Resp: 20079
Ion Ratio Lower Upper
45 100
46 0.0 16.6 66.2#



#15
Acetone
Concen: 0.759 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.01 min
Lab File: VL036494.D
Acq: 25 Mar 2021 20:00

Tgt Ion: 43 Resp: 113015
Ion Ratio Lower Upper
43 100
58 46.8 21.2 31.8#





#19

Isopropyl Alcohol

Concen: 0.031 ppbv

RT: 3.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

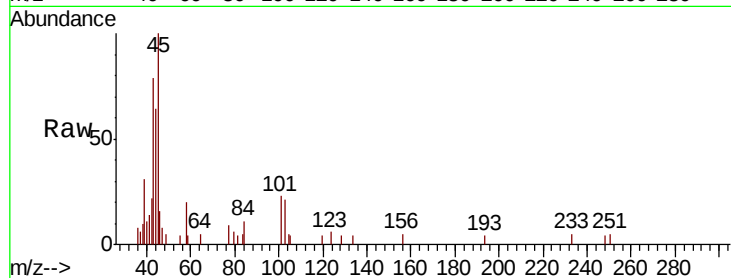
Acq: 25 Mar 2021 20:00

Tot Ion: 45 Resp: 2537

Ion Ratio Lower Upper

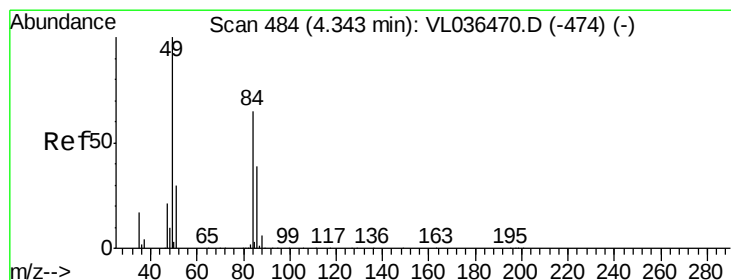
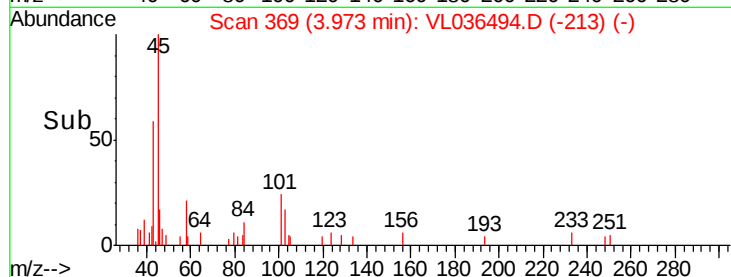
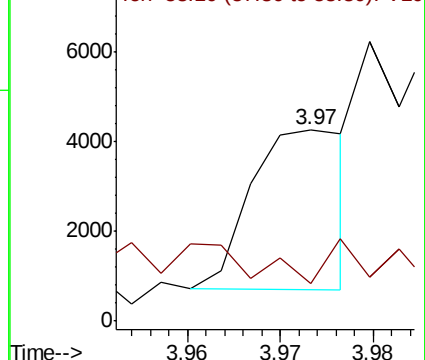
45 100

58 0.0 2.9 4.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.327 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.00 min

Lab File: VL036494.D

Acq: 25 Mar 2021 20:00

Tgt Ion: 84 Resp: 22819

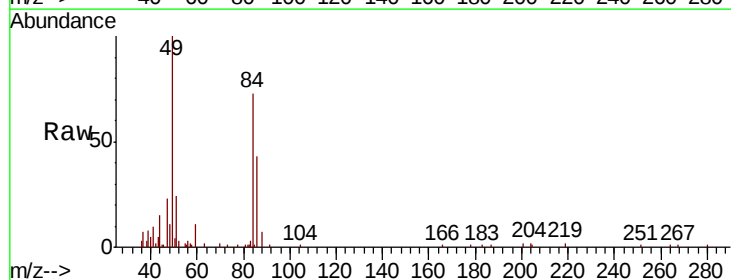
Ion Ratio Lower Upper

84 100

49 119.5 122.9 184.3#

51 19.7 36.9 55.3#

86 57.3 48.2 72.4

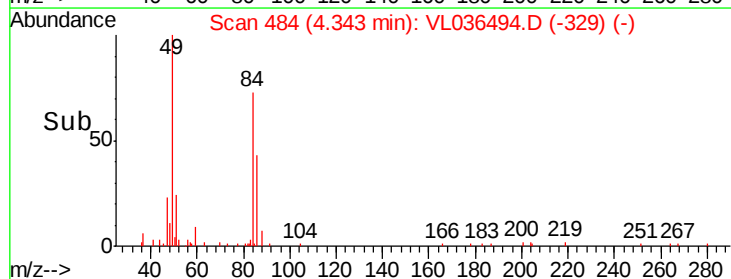
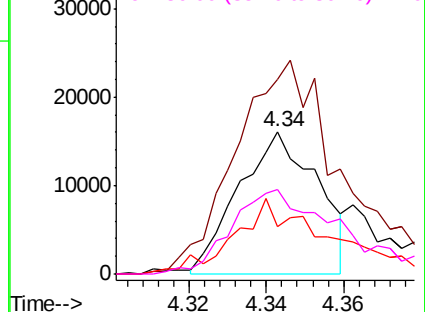


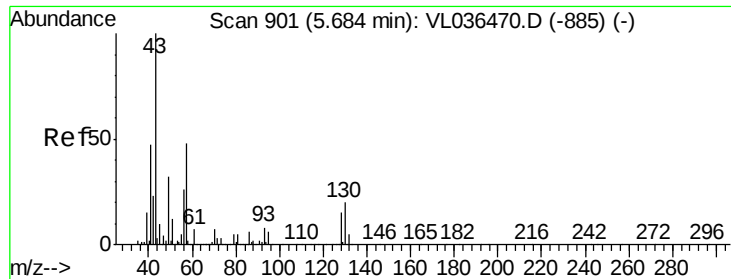
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

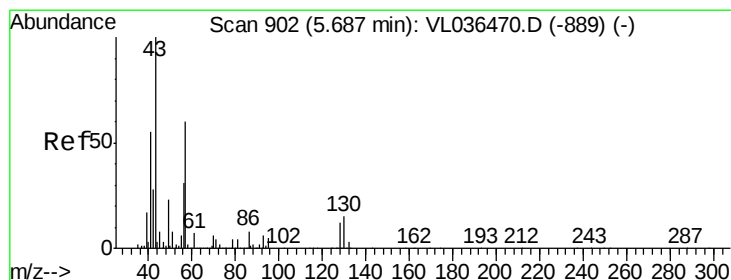
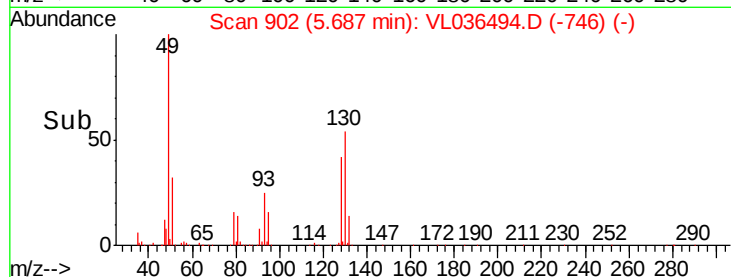
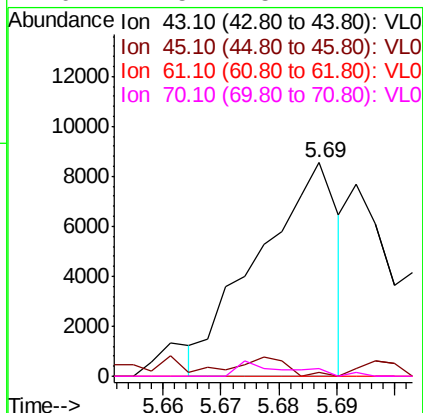
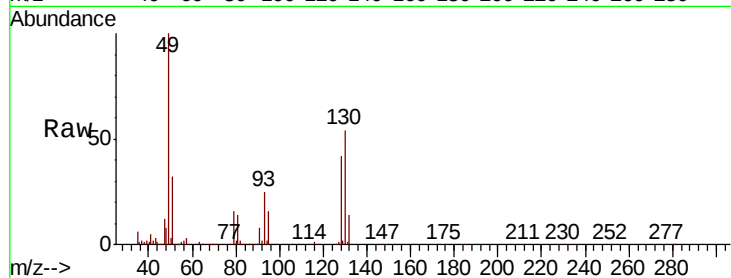
Ion 86.00 (85.70 to 86.70): VL0





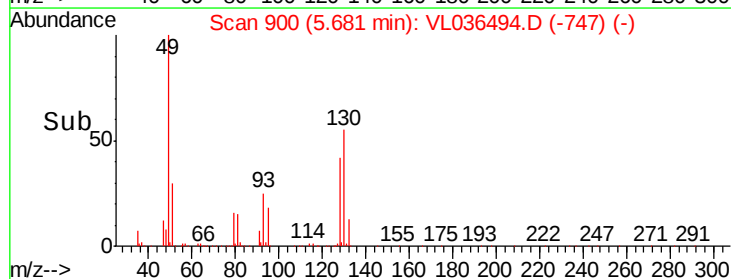
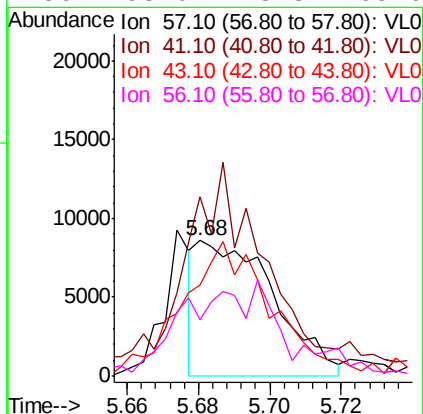
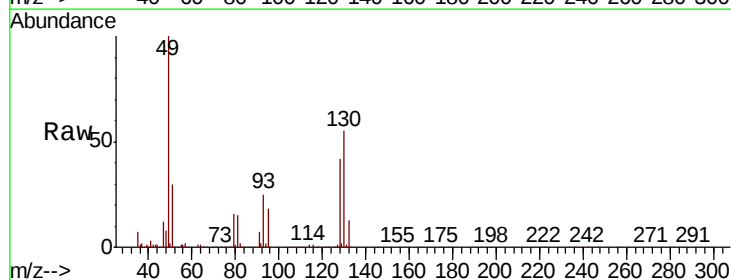
#25
Ethyl Acetate
Concen: 0.023 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 25 Mar 2021 20:00

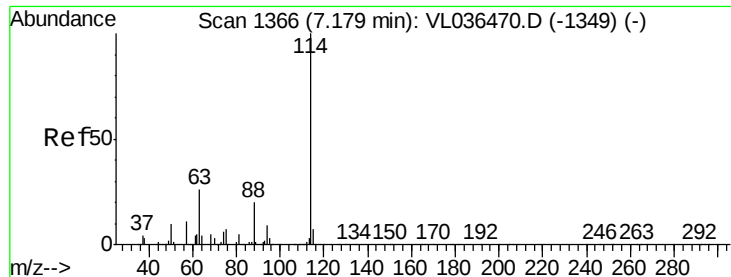
Tot Ion:	43	Resp:	8163
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.9	11.9#
61	0.0	7.4	11.2#
70	4.5	5.1	7.7#



#26
Hexane
Concen: 0.078 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL036494.D
Acq: 25 Mar 2021 20:00

Tgt Ion:	57	Resp:	12855
Ion	Ratio	Lower	Upper
57	100		
41	186.3	77.2	115.8#
43	119.6	173.8	260.6#
56	98.0	43.8	65.6#

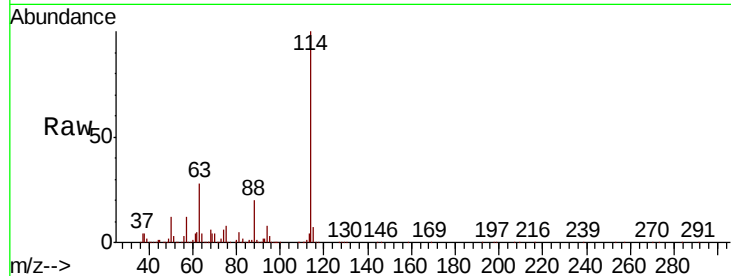




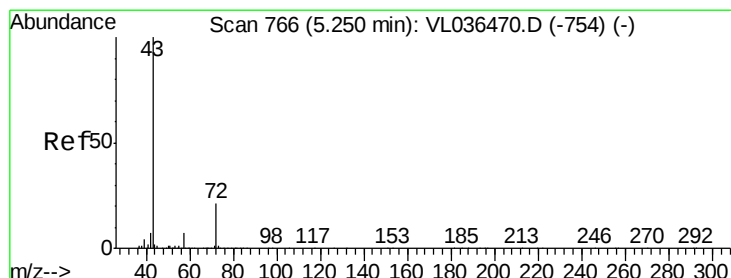
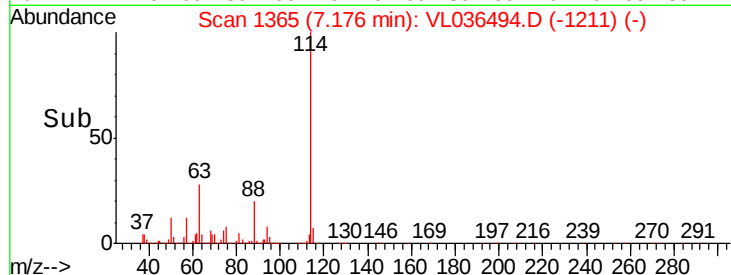
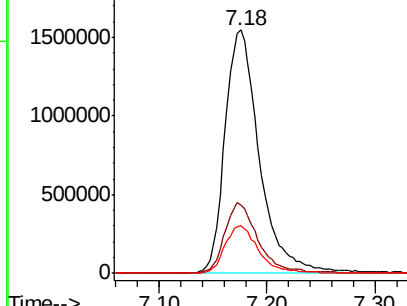
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 25 Mar 2021 20:00

Tot Ion: 114 Resp: 3427313

Ion	Ratio	Lower	Upper
114	100		
63	28.7	22.4	33.6
88	19.5	15.4	23.0



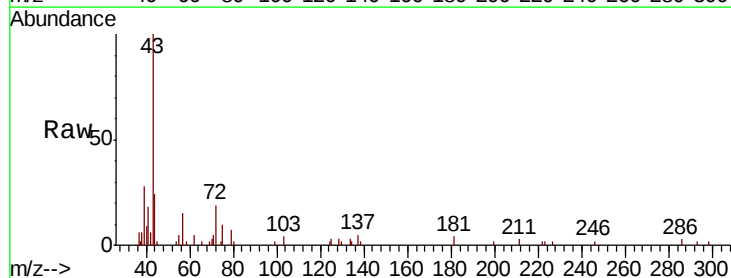
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



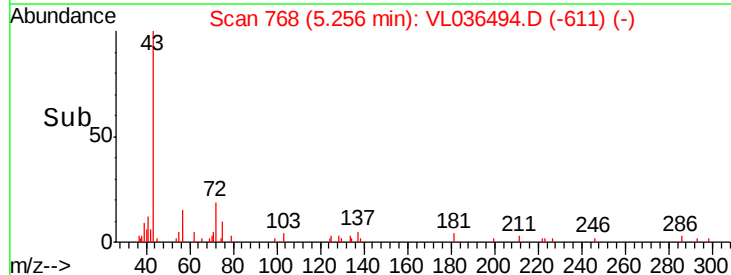
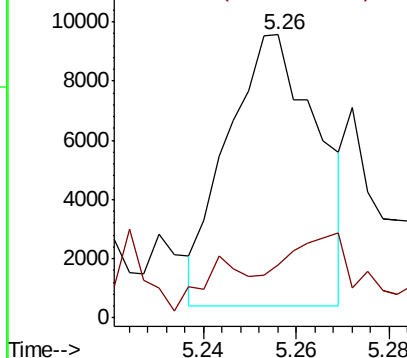
#34
 2-Butanone
 Concen: 0.074 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T.: 0.01 min
 Lab File: VL036494.D
 Acq: 25 Mar 2021 20:00

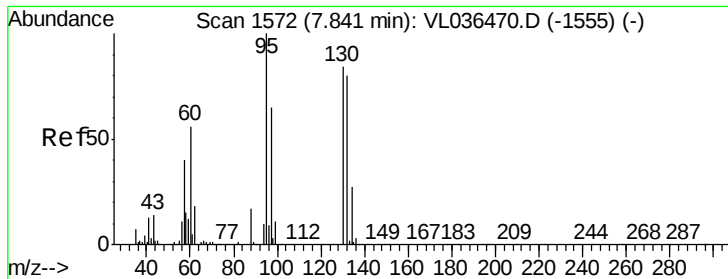
Tgt Ion: 43 Resp: 12431

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.0	25.6#



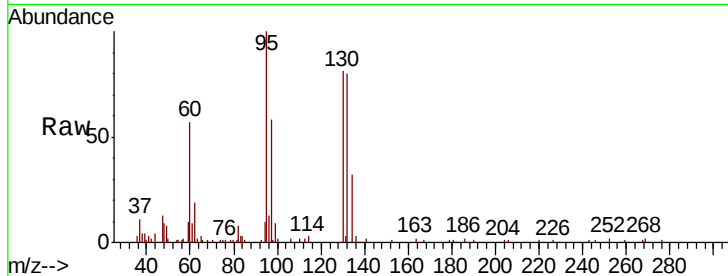
Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#38
 Trichloroethene
 Concen: 0.281 ppbv
 RT: 7.83
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 25 Mar 2021 20:00

Tot Ion:	130	Resp:	34583
Ion	Ratio	Lower	Upper
130	100		
95	119.4	95.7	143.5
132	95.7	76.2	114.4
97	67.6	61.8	92.6

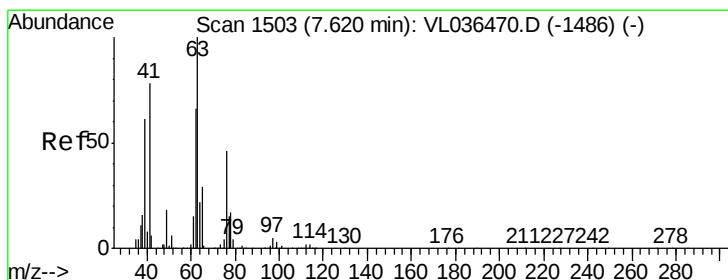
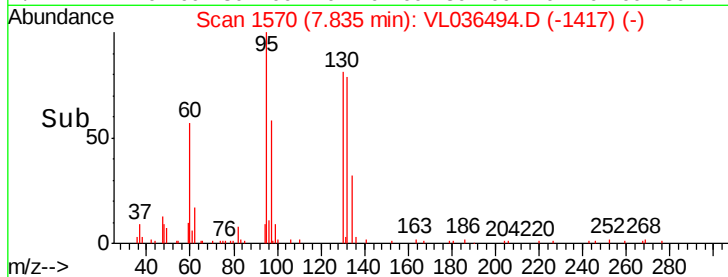
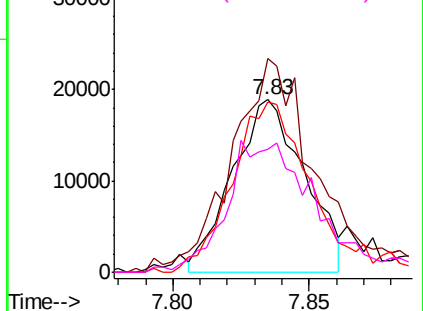


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

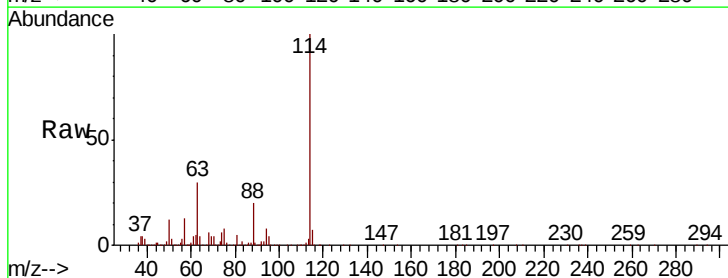
Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39
 1,2-Dichloropropane
 Concen: 7.463 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.45 min
 Lab File: VL036494.D
 Acq: 25 Mar 2021 20:00

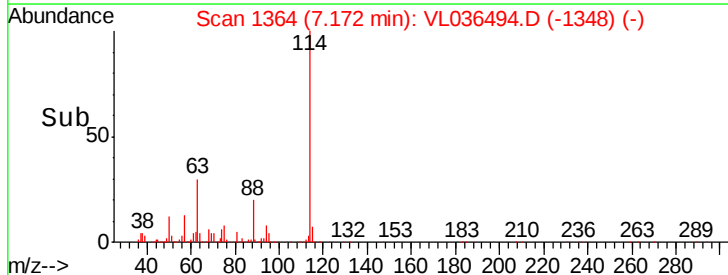
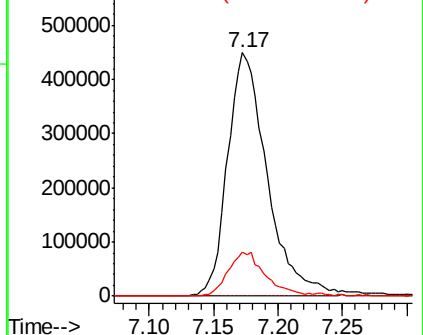
Tgt Ion:	63	Resp:	956882
Ion	Ratio	Lower	Upper
63	100		
41	0.2	62.4	93.6#
62	18.0	52.8	79.2#

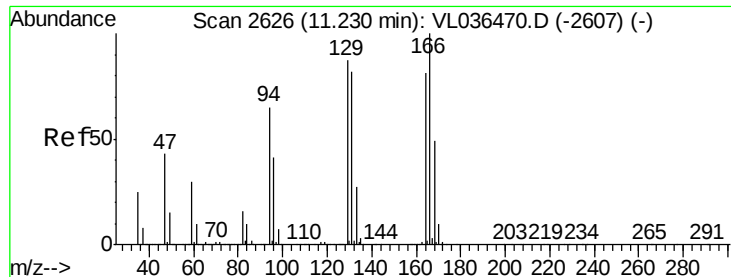


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#52

Tetrachloroethene

Concen: 0.033 ppbv

RT: 11.22 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 25 Mar 2021 20:00

Tot Ion:164 Resp: 3841

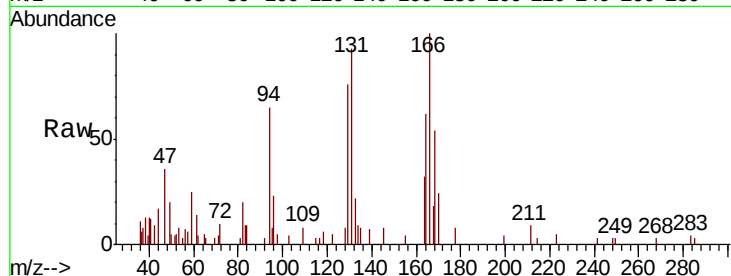
Ion Ratio Lower Upper

164 100

166 50.4 98.3 147.5#

129 17.3 85.8 128.8#

131 38.1 80.9 121.3#

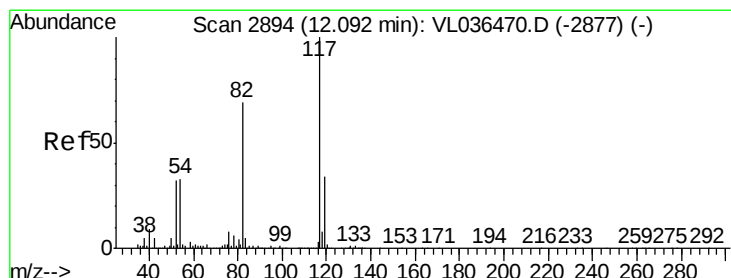
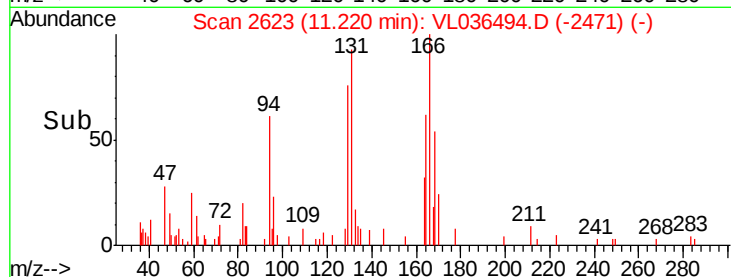
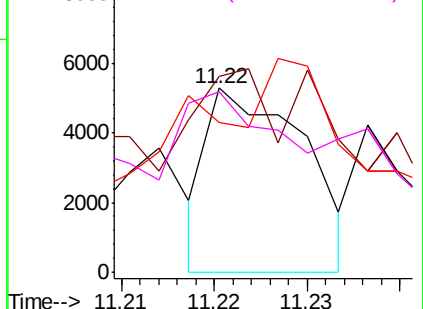


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2893

Delta R.T. -0.00 min

Lab File: VL036494.D

Acq: 25 Mar 2021 20:00

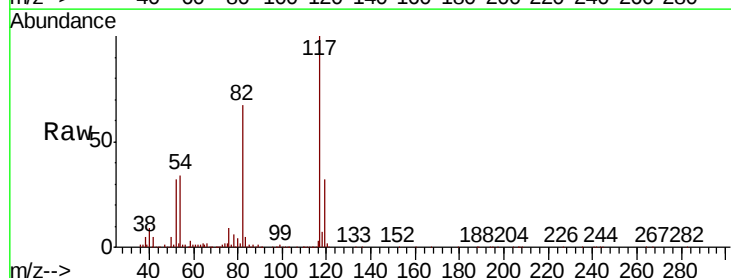
Tgt Ion:117 Resp: 3087051

Ion Ratio Lower Upper

117 100

82 71.3 57.4 86.0

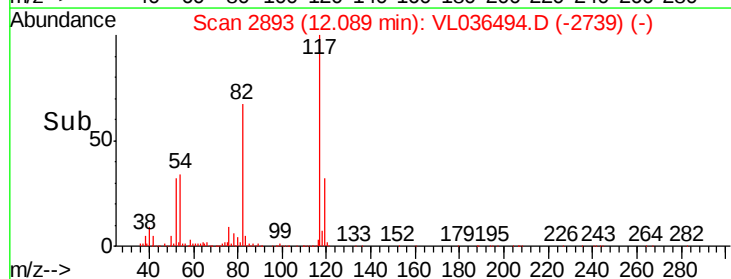
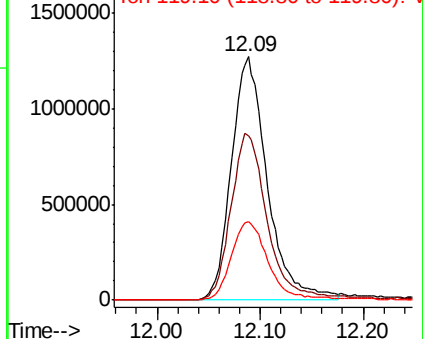
119 34.0 47.4 71.0#

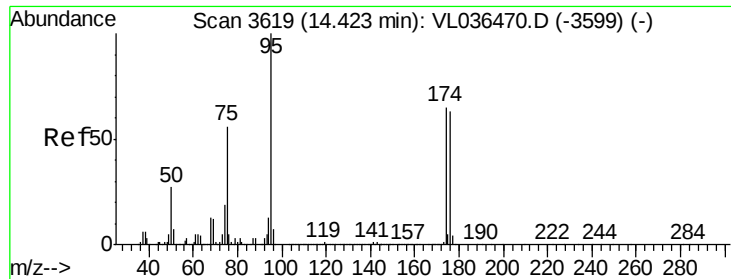


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VLO

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.848 ppbv

RT: 14.42

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 25 Mar 2021 20:00

Tot Ion: 95 Resp: 2423124

Ion Ratio Lower Upper

95 100

174 65.4 51.0 76.6

175 4.6 3.9 5.9

