

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032621\
 Data File : VL036533.D
 Acq On : 27 Mar 2021 3:51
 Operator : SY/AP
 Sample : M1760-19DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 27 05:53:08 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	1318900	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2881256	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2585515	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	1976392	9.59	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.90%

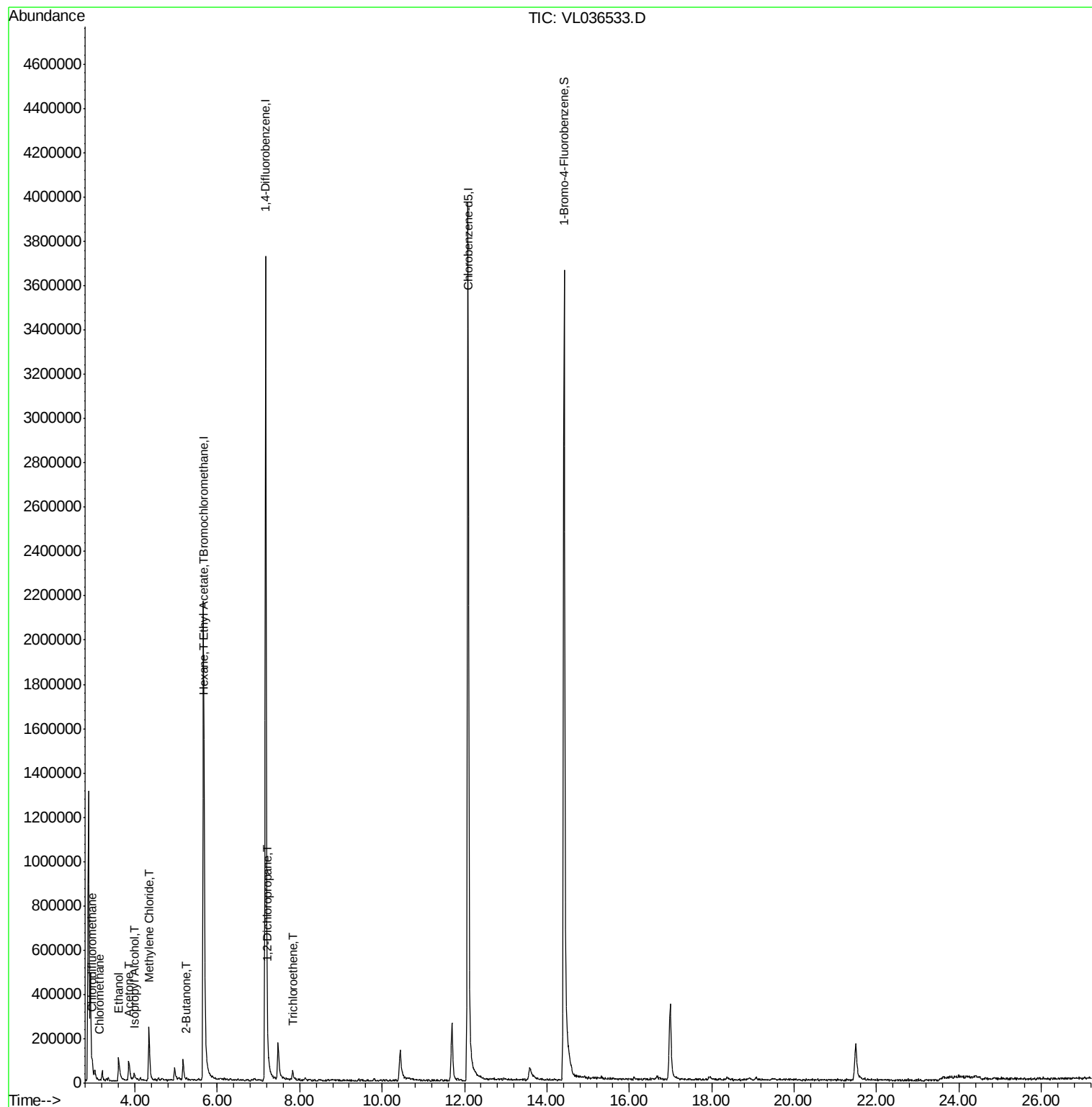
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.96	51	62288	0.253	ppbv #	63
4) Chloromethane	3.13	50	1953	0.022	ppbv	92
13) Ethanol	3.61	45	114811	12.273	ppbv	94
15) Acetone	3.85	43	101925	0.785	ppbv #	66
19) Isopropyl Alcohol	3.98	45	12560	0.176	ppbv #	3
20) Methylene Chloride	4.34	84	52811	0.869	ppbv #	90
25) Ethyl Acetate	5.68	43	63903	0.207	ppbv #	97
26) Hexane	5.69	57	41947	0.293	ppbv #	60
34) 2-Butanone	5.24	43	4384	0.031	ppbv #	55
38) Trichloroethene	7.83	130	3964	0.038	ppbv #	45
39) 1,2-Dichloropropane	7.22	63	10574	0.098	ppbv #	22

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032621\
Data File : VL036533.D
Acq On : 27 Mar 2021 3:51
Operator : SY/AP
Sample : M1760-19DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Mar 27 05:53:08 2021
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL036533.D

Acq: 27 Mar 2021 3:51

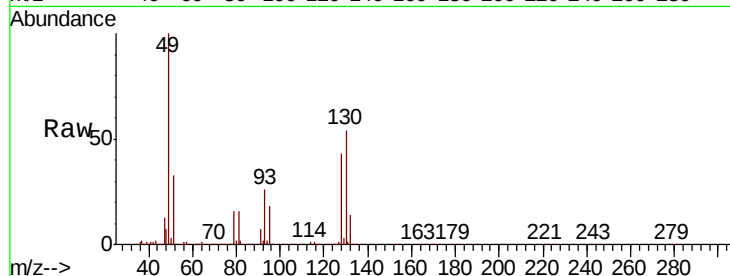
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 49 Resp: 1318900

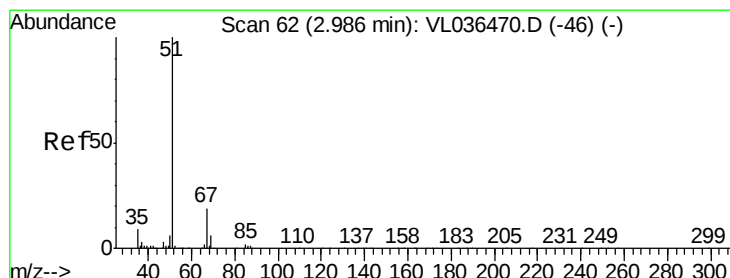
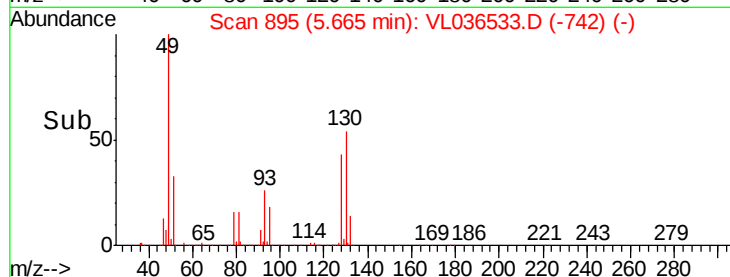
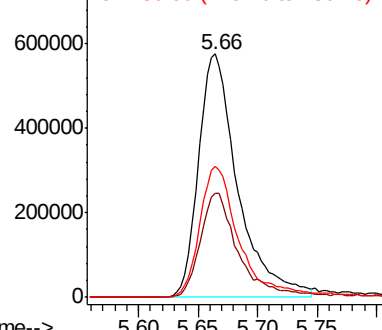
Ion	Ratio	Lower	Upper
49	100		
128	43.5	23.5	70.6
130	55.8	29.1	87.4



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



#3

Chlorodifluoromethane

Concen: 0.253 ppbv

RT: 2.96 min Scan# 54

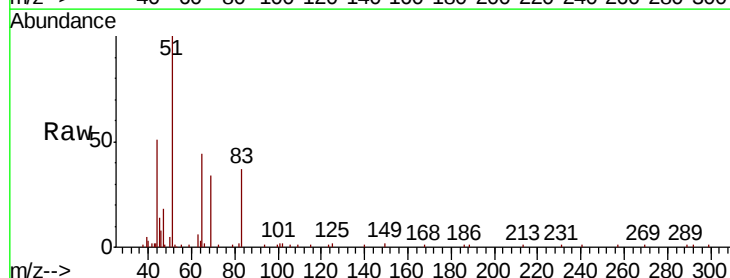
Delta R.T. -0.03 min

Lab File: VL036533.D

Acq: 27 Mar 2021 3:51

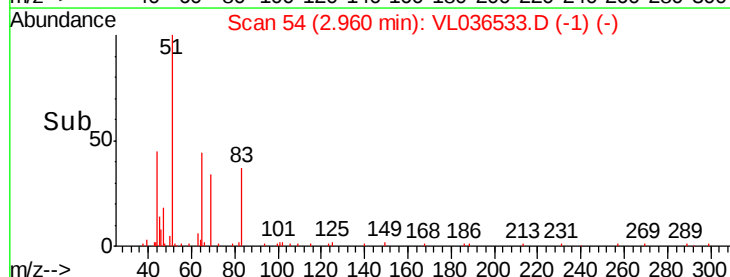
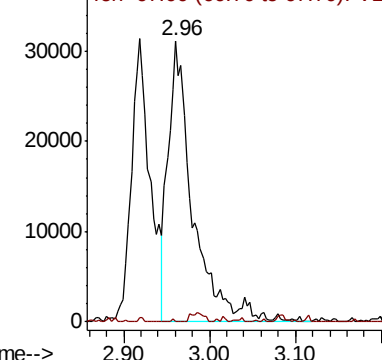
Tgt Ion: 51 Resp: 62288

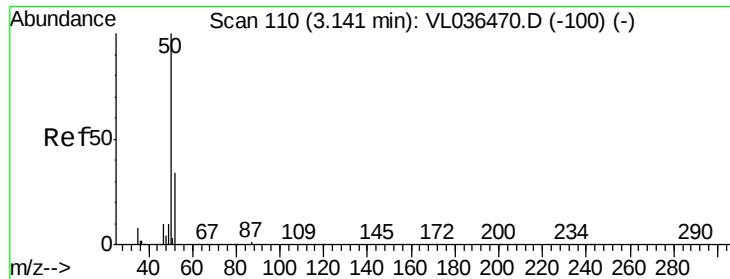
Ion	Ratio	Lower	Upper
51	100		
67	1.8	14.7	22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.022 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL036533.D

Acq: 27 Mar 2021 3:51

Instrument :

MSVOA_L

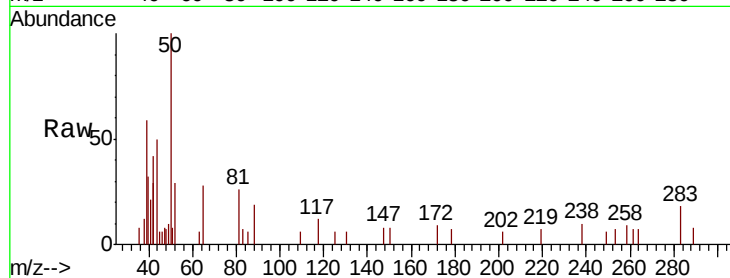
ClientSampleId :

Tot Ion: 50 Resp: 1953

Ion Ratio Lower Upper

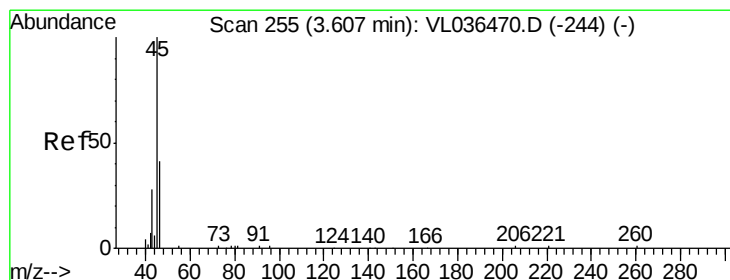
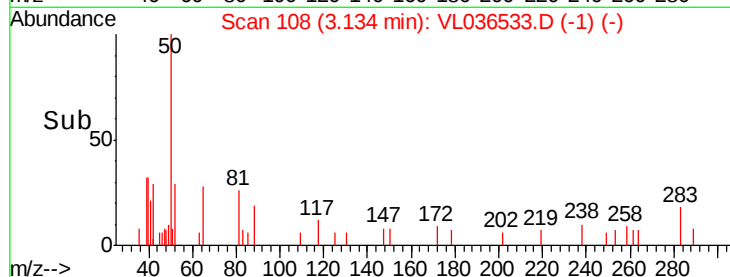
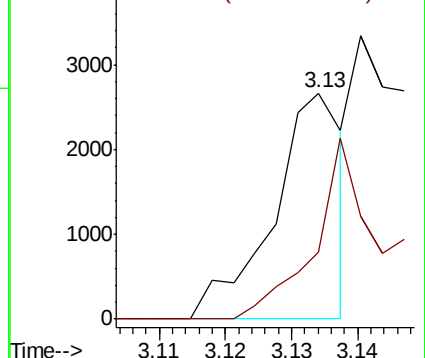
50 100

52 29.4 27.0 40.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#13

Ethanol

Concen: 12.273 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL036533.D

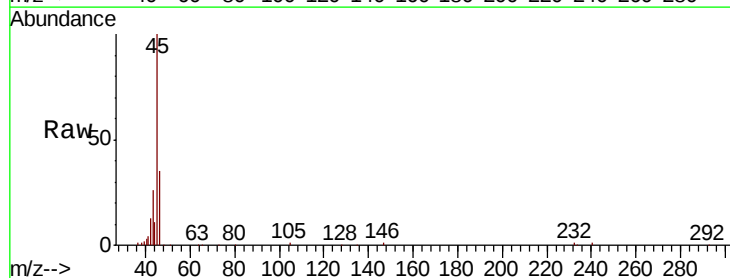
Acq: 27 Mar 2021 3:51

Tgt Ion: 45 Resp: 114811

Ion Ratio Lower Upper

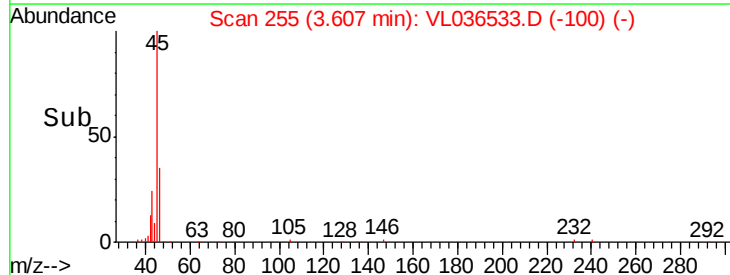
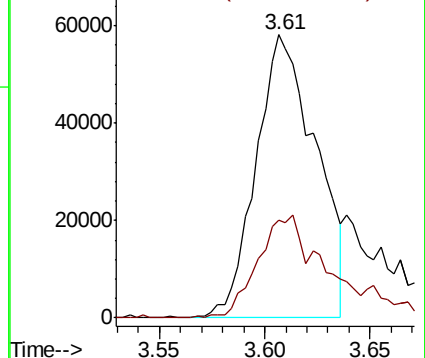
45 100

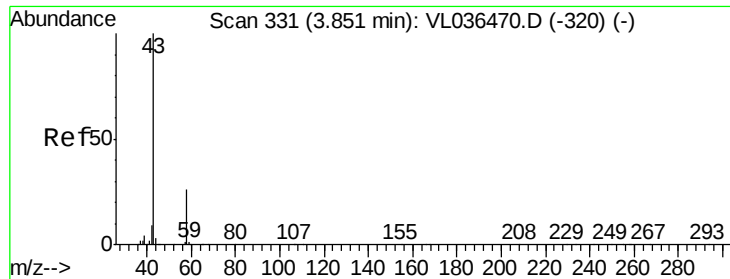
46 45.4 16.6 66.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

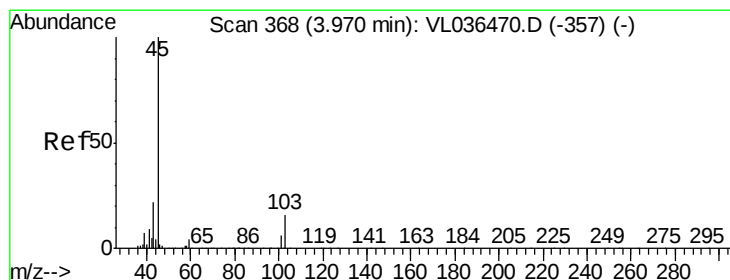
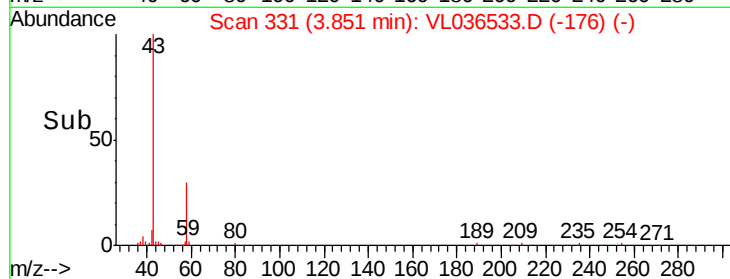
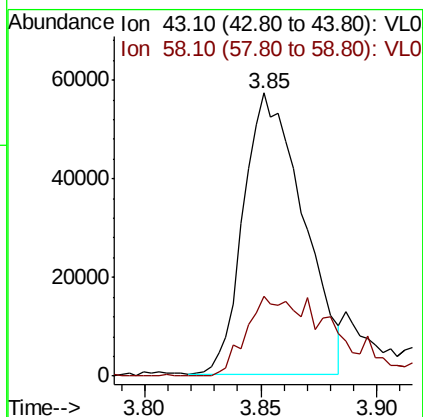
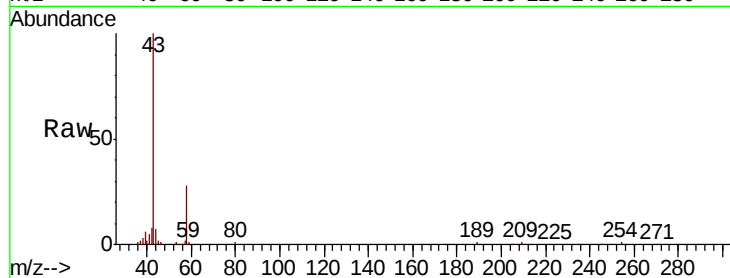




#15
Acetone
Concen: 0.785 ppbv
RT: 3.85 min Scan# 331
Delta R.T. -0.00 min
Lab File: VL036533.D
Acq: 27 Mar 2021 3:51

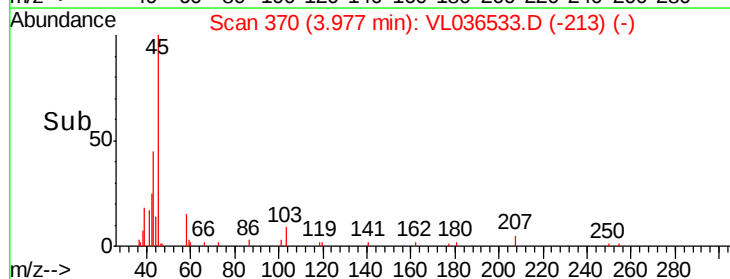
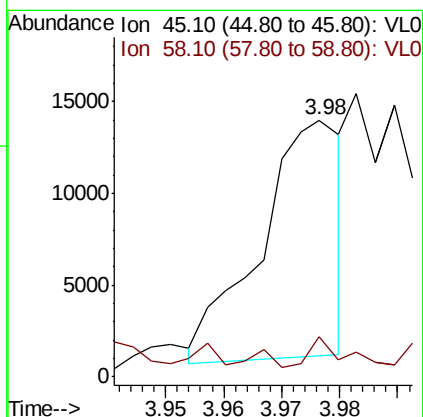
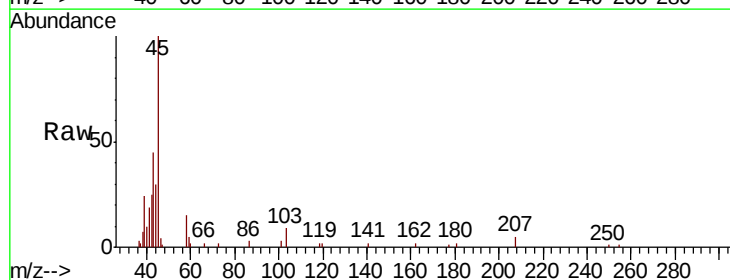
Instrument :
MSVOA_L
ClientSampleId :

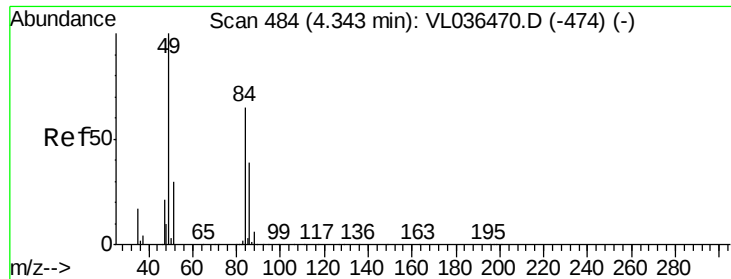
Tot Ion: 43 Resp: 101925
Ion Ratio Lower Upper
43 100
58 44.0 21.2 31.8#



#19
Isopropyl Alcohol
Concen: 0.176 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.01 min
Lab File: VL036533.D
Acq: 27 Mar 2021 3:51

Tgt Ion: 45 Resp: 12560
Ion Ratio Lower Upper
45 100
58 35.4 2.9 4.3#

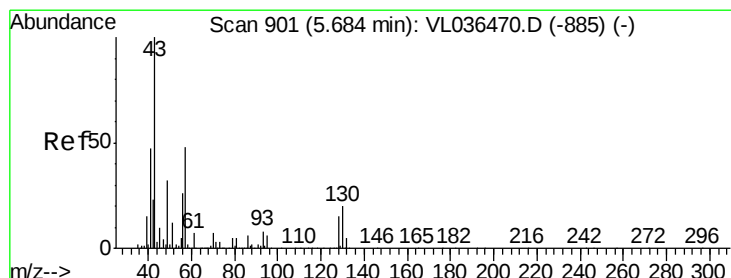
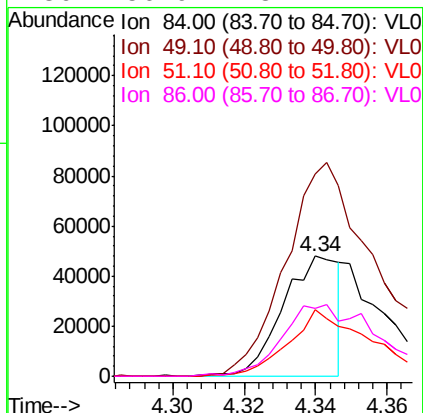
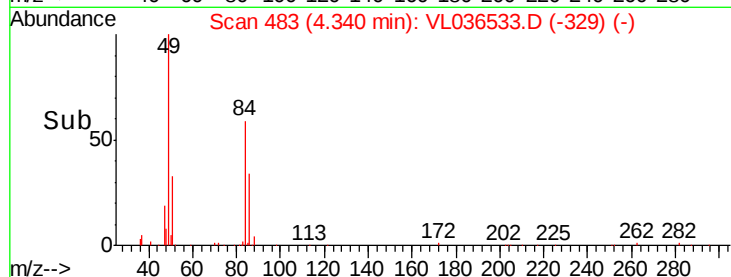
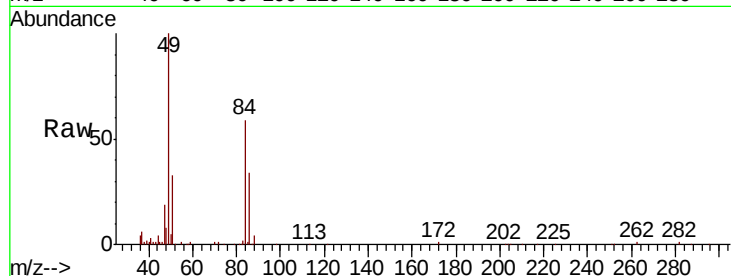




#20
Methvlene Chloride
Concen: 0.869 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.00 min
Lab File: VL036533.D
Acq: 27 Mar 2021 3:51

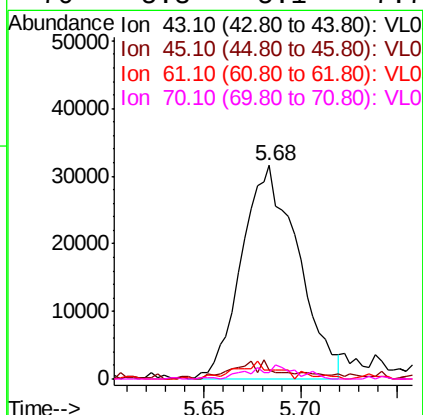
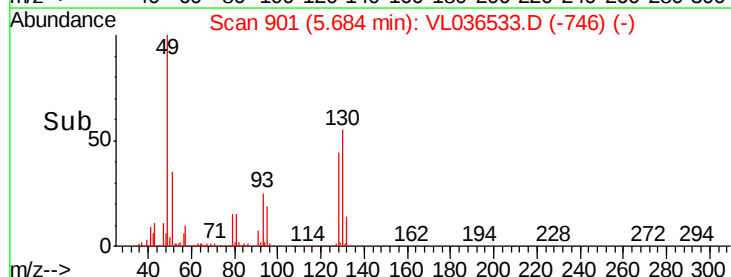
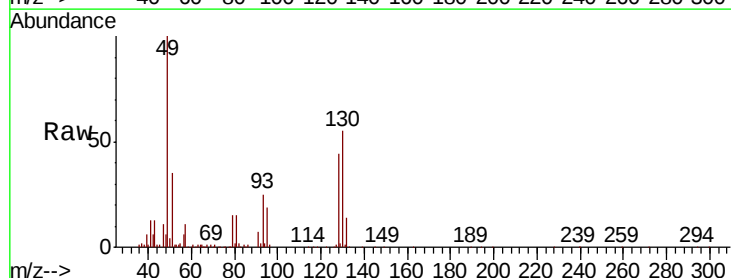
Instrument :
MSVOA_L
ClientSampleId :

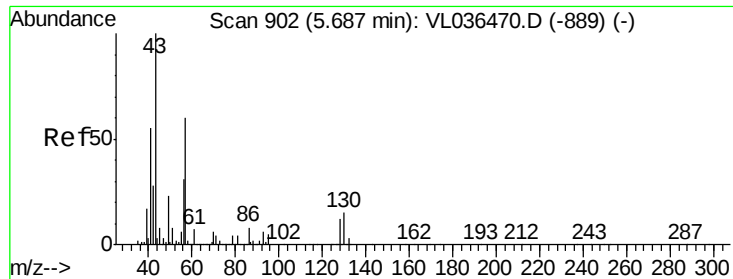
Tot Ion:	84	Resp:	52811
Ion	Ratio	Lower	Upper
84	100		
49	168.2	122.9	184.3
51	55.9	36.9	55.3#
86	56.9	48.2	72.4



#25
Ethyl Acetate
Concen: 0.207 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.00 min
Lab File: VL036533.D
Acq: 27 Mar 2021 3:51

Tgt Ion:	43	Resp:	63903
Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	7.4	7.4	11.2#
70	5.3	5.1	7.7

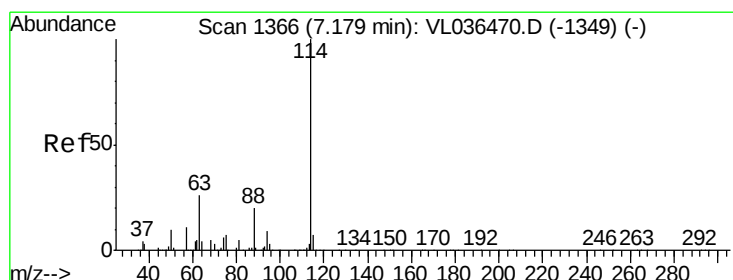
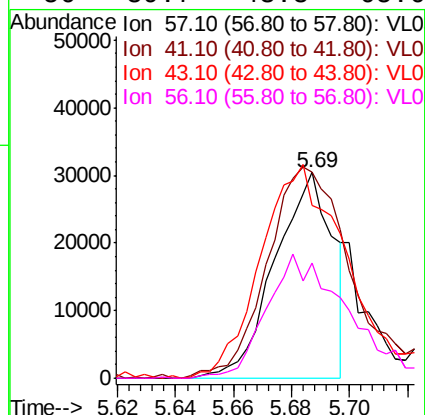
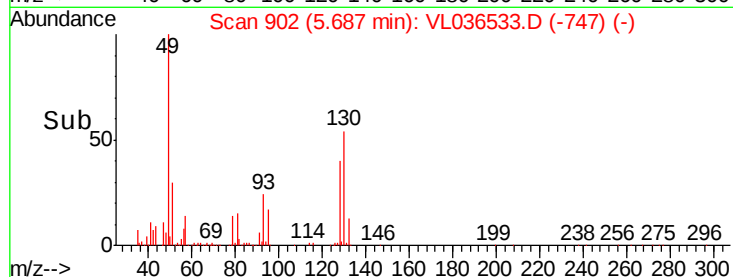
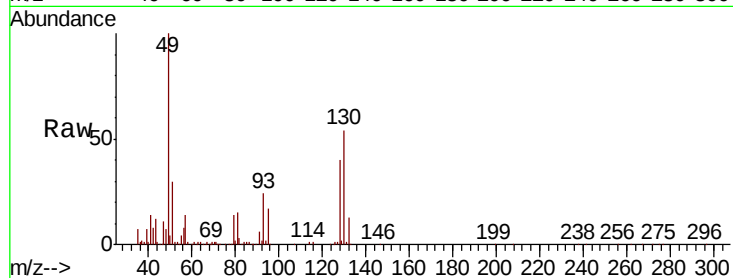




#26
Hexane
Concen: 0.293 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.00 min
Lab File: VL036533.D
Acq: 27 Mar 2021 3:51

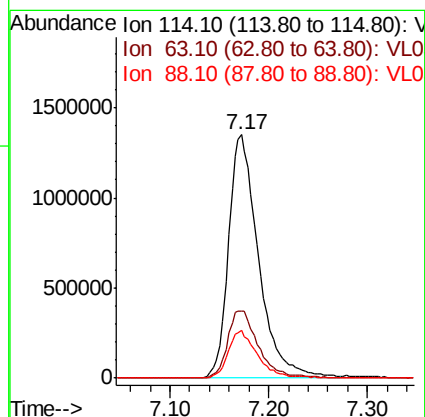
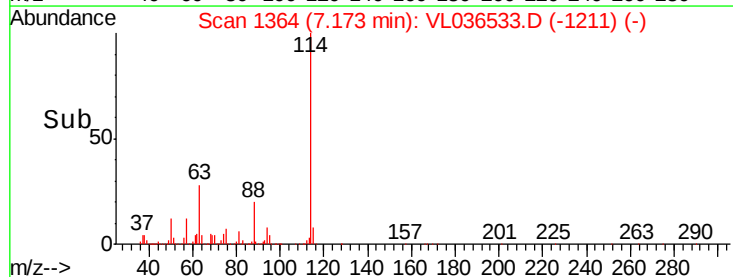
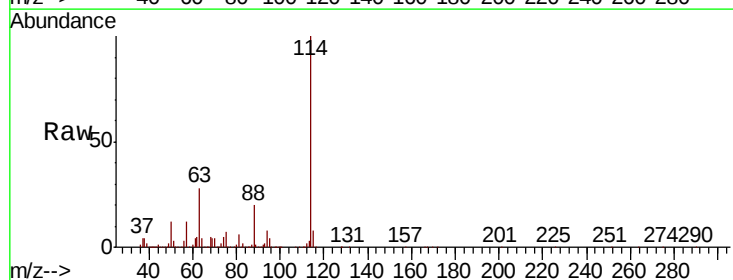
Instrument :
MSVOA_L
ClientSampled :

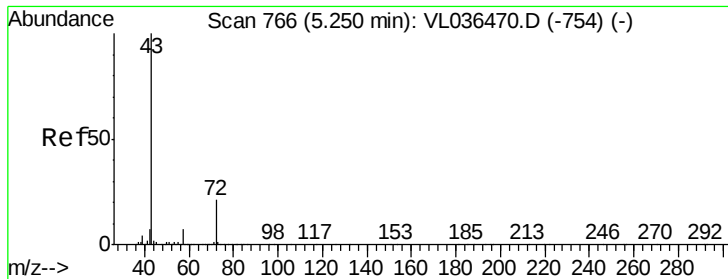
Tot Ion: 57 Resp: 41947
Ion Ratio Lower Upper
57 100
41 161.2 77.2 115.8#
43 175.1 173.8 260.6
56 89.7 43.8 65.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL036533.D
Acq: 27 Mar 2021 3:51

Tgt Ion: 114 Resp: 2881256
Ion Ratio Lower Upper
114 100
63 28.7 22.4 33.6
88 19.3 15.4 23.0

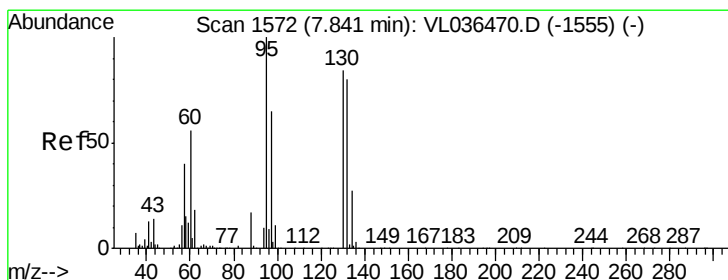
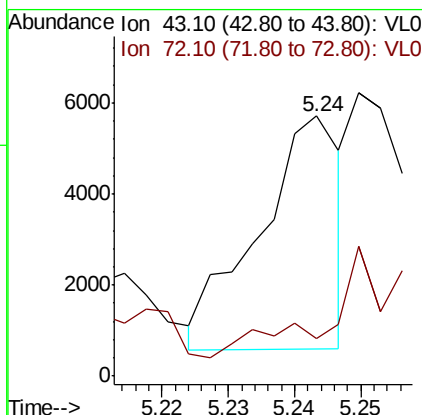
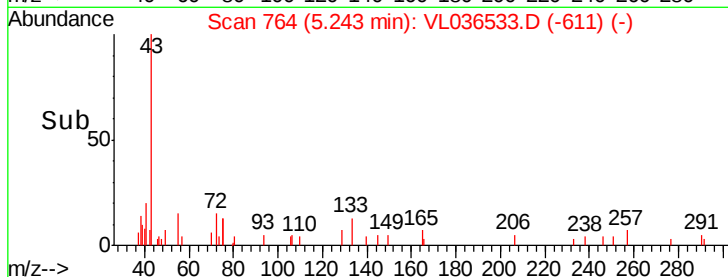
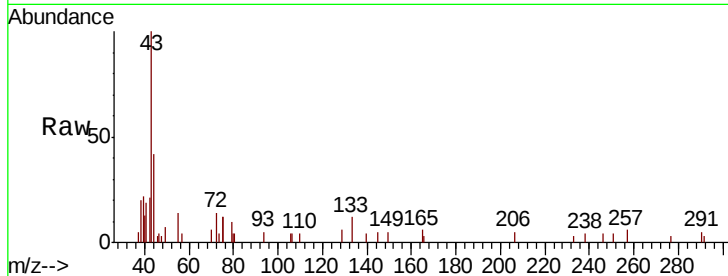




#34
2-Butanone
Concen: 0.031 ppbv
RT: 5.24 min Scan# 764
Delta R.T. -0.01 min
Lab File: VL036533.D
Acq: 27 Mar 2021 3:51

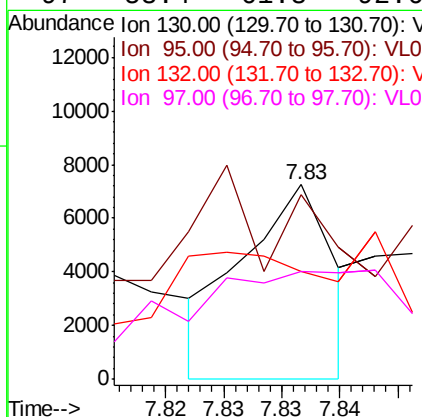
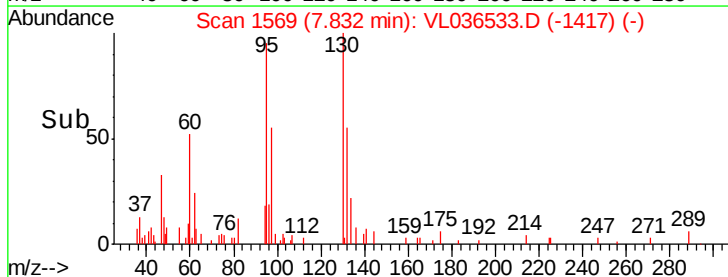
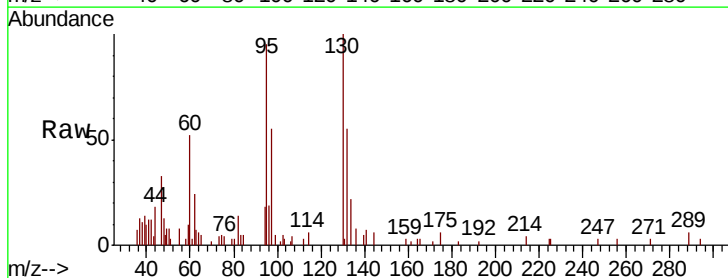
Instrument :
MSVOA_L
ClientSampleId :

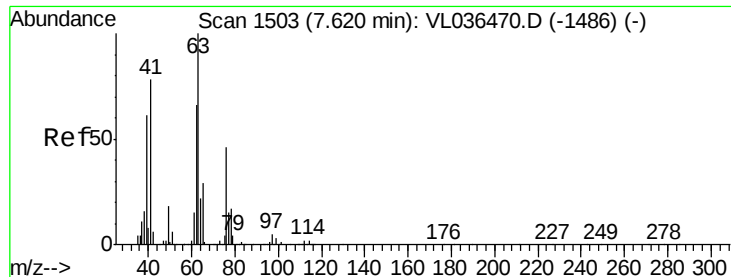
Tot Ion: 43 Resp: 4384
Ion Ratio Lower Upper
43 100
72 0.0 17.0 25.6#



#38
Trichloroethene
Concen: 0.038 ppbv
RT: 7.83 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VL036533.D
Acq: 27 Mar 2021 3:51

Tgt Ion:130 Resp: 3964
Ion Ratio Lower Upper
130 100
95 61.7 95.7 143.5#
132 12.0 76.2 114.4#
97 58.4 61.8 92.6#





#39

1,2-Dichloropropane

Concen: 0.098 ppbv

RT: 7.22 min Scan# 1380

Delta R.T. -0.40 min

Lab File: VL036533.D

Acq: 27 Mar 2021 3:51

Instrument :

MSVOA_L

ClientSampleId :

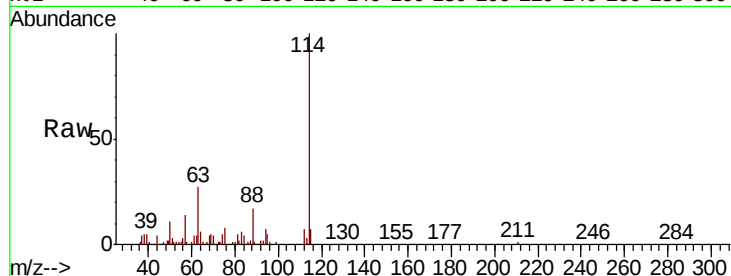
Tot Ion: 63 Resp: 10574

Ion Ratio Lower Upper

63 100

41 0.0 62.4 93.6#

62 14.6 52.8 79.2#

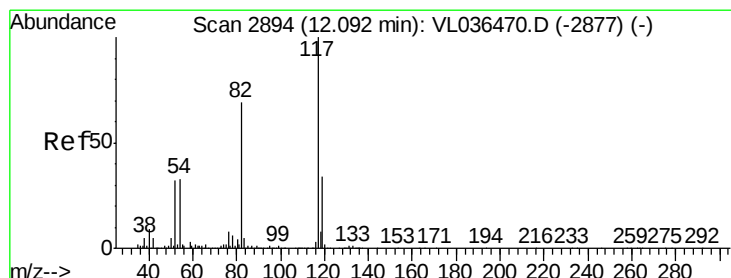
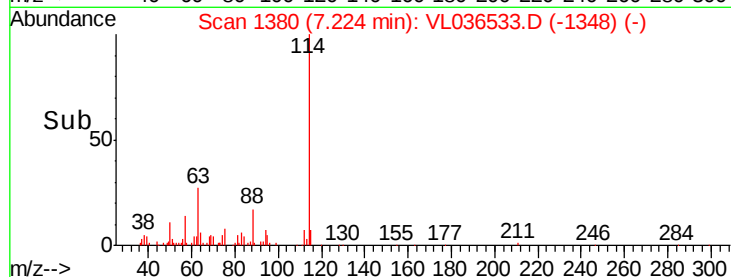
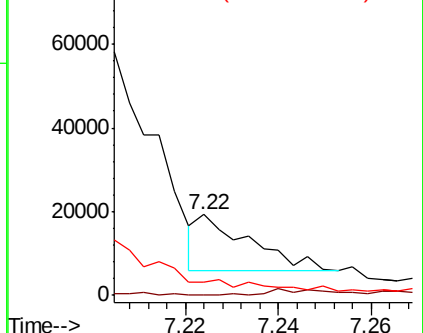


Abundance

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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2891

Delta R.T. -0.01 min

Lab File: VL036533.D

Acq: 27 Mar 2021 3:51

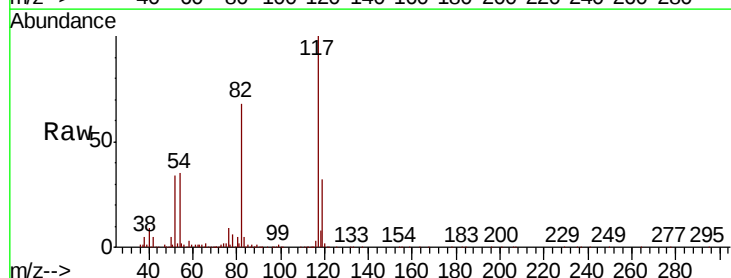
Tgt Ion: 117 Resp: 2585515

Ion Ratio Lower Upper

117 100

82 71.6 57.4 86.0

119 33.3 47.4 71.0#

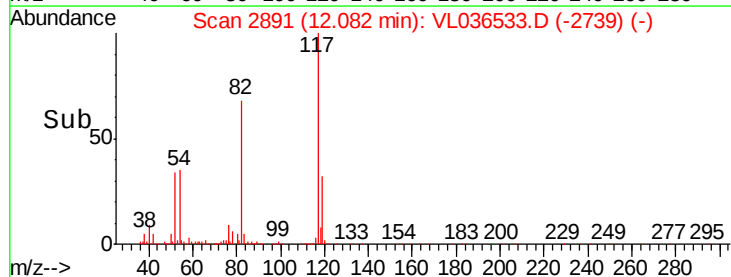
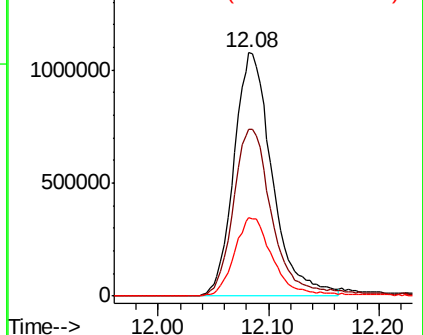


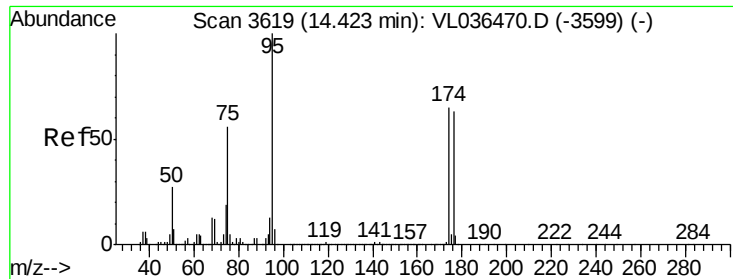
Abundance

Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.591 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL036533.D

Acq: 27 Mar 2021 3:51

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 1976392

Ion Ratio Lower Upper

95 100

174 63.8 51.0 76.6

175 4.7 3.9 5.9

