

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040621\
 Data File : VL036714.D
 Acq On : 7 Apr 2021 1:44
 Operator : SY/AP
 Sample : M1929-01 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 FS-SV1-FIELD

Quant Time: Apr 07 04:30:32 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	1141378	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2989567	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2584255	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	1971100	9.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.70%

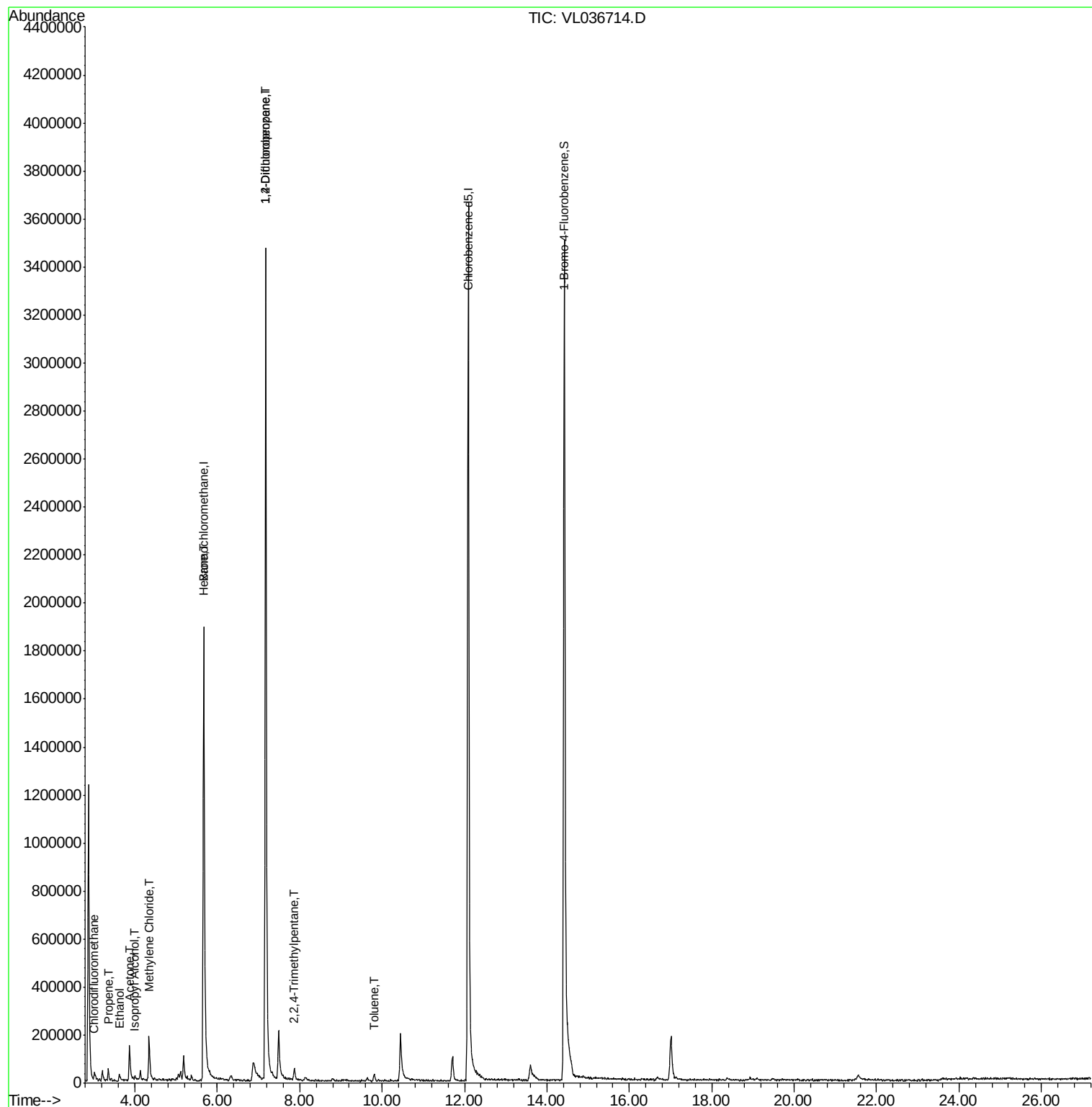
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	8876	0.042	ppbv	98
9) Propene	3.36	41	12386	0.182	ppbv	87
13) Ethanol	3.62	45	15525	1.918	ppbv #	1
15) Acetone	3.86	43	71178	0.634	ppbv #	36
19) Isopropyl Alcohol	3.99	45	4901	0.079	ppbv #	1
20) Methylene Chloride	4.34	84	67028	1.274	ppbv	91
26) Hexane	5.68	57	38829	0.313	ppbv #	43
39) 1,2-Dichloropropane	7.18	63	753569	6.738	ppbv #	23
44) 2,2,4-Trimethylpentane	7.86	57	16442	0.034	ppbv #	40
53) Toluene	9.81	91	9470	0.032	ppbv #	20

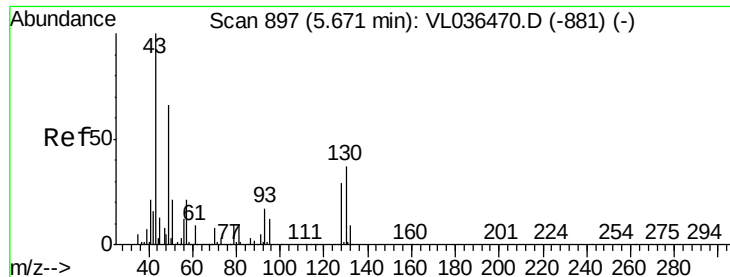
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
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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 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL036714.D

Acq: 7 Apr 2021 1:44

Instrument :

MSVOA_L

ClientSampleId :

FS-SV1-FIELD

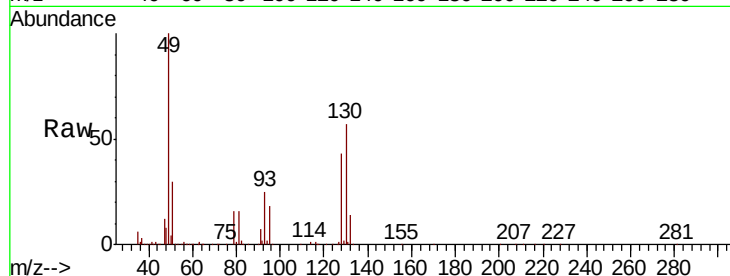
Tot Ion: 49 Resp: 1141378

Ion Ratio Lower Upper

49 100

128 48.3 23.5 70.6

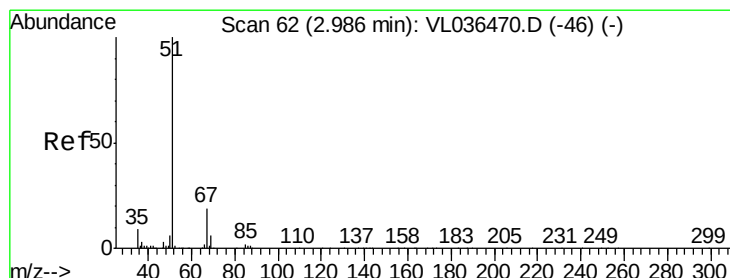
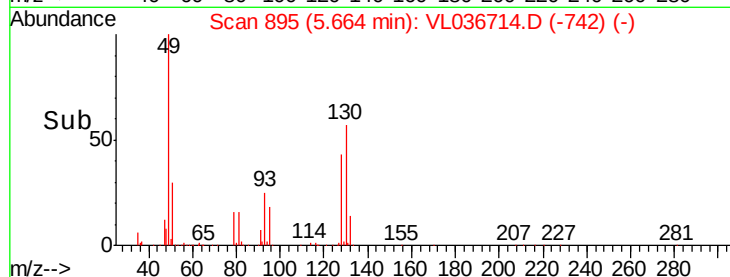
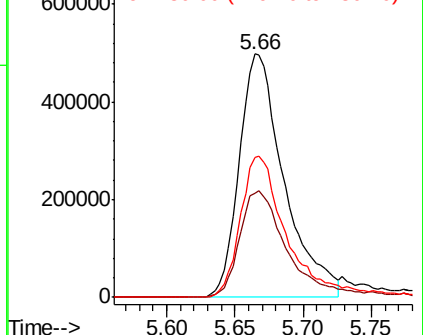
130 60.6 29.1 87.4



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: 0.042 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL036714.D

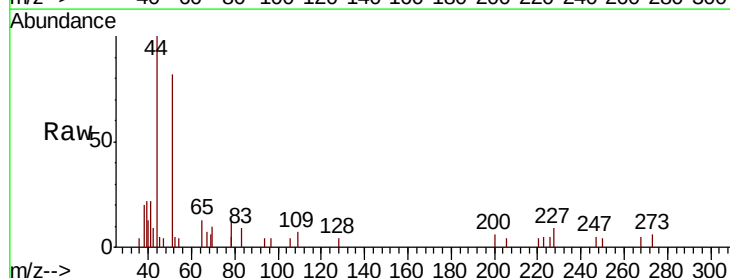
Acq: 7 Apr 2021 1:44

Tgt Ion: 51 Resp: 8876

Ion Ratio Lower Upper

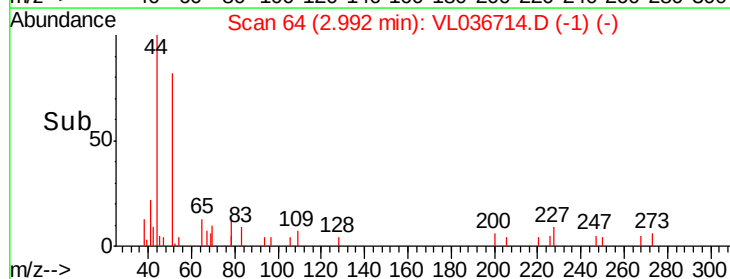
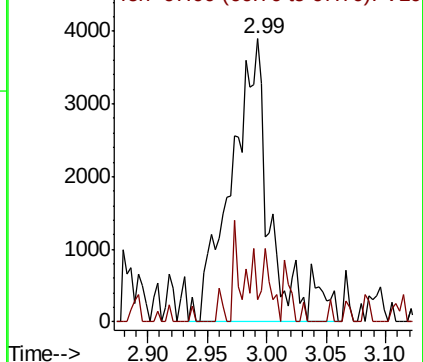
51 100

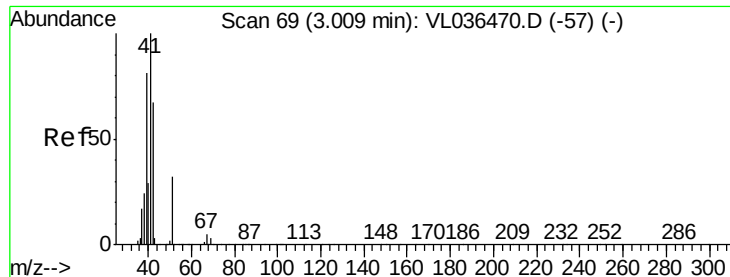
67 17.5 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.182 ppbv

RT: 3.36 min Scan# 177

Delta R.T. 0.35 min

Lab File: VL036714.D

Acq: 7 Apr 2021 1:44

Instrument :

MSVOA_L

ClientSampleId :

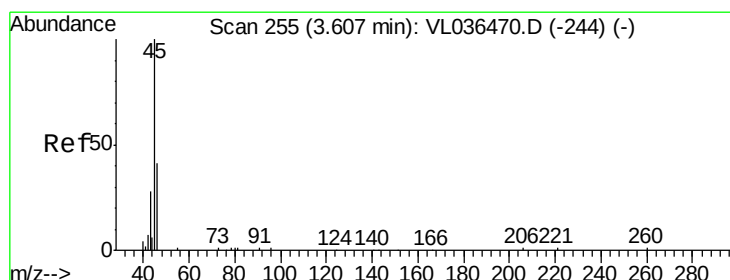
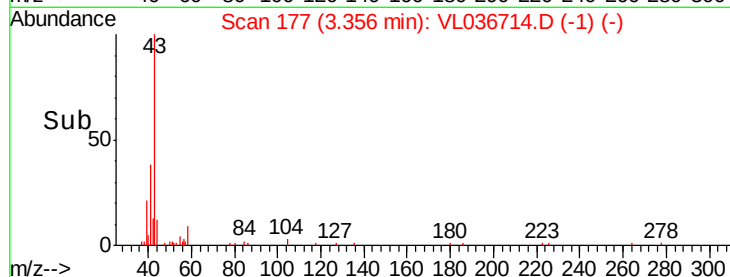
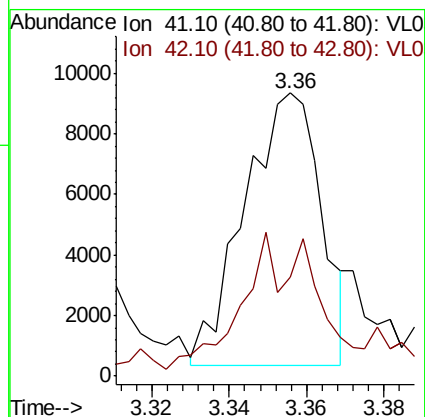
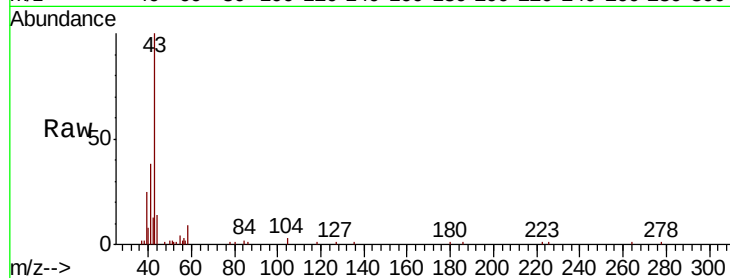
FS-SV1-FIELD

Tot Ion: 41 Resp: 12386

Ion Ratio Lower Upper

41 100

42 60.1 57.0 85.4



#13

Ethanol

Concen: 1.918 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.01 min

Lab File: VL036714.D

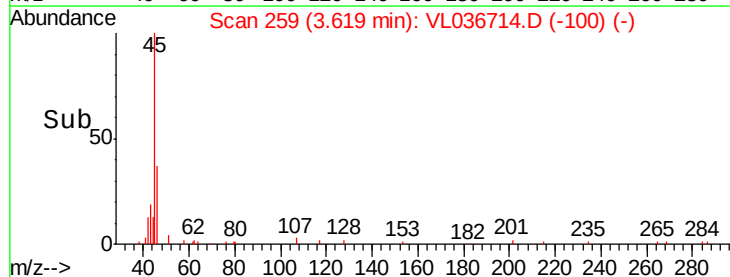
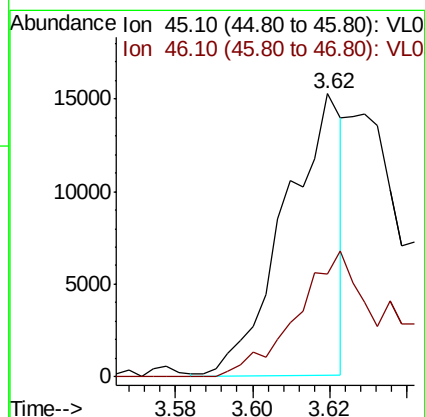
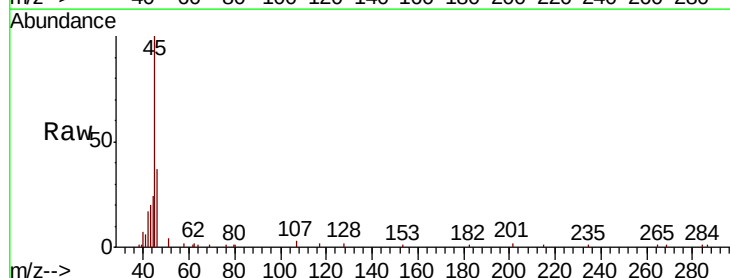
Acq: 7 Apr 2021 1:44

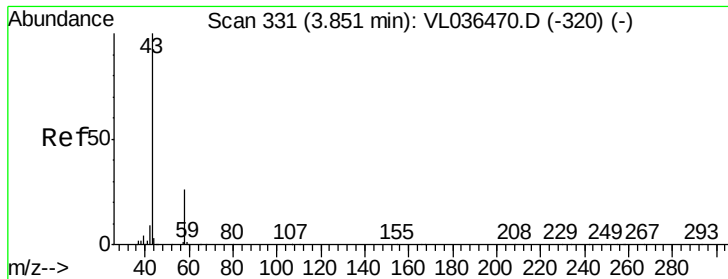
Tgt Ion: 45 Resp: 15525

Ion Ratio Lower Upper

45 100

46 116.6 16.6 66.2#





#15

Acetone

Concen: 0.634 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.01 min

Lab File: VL036714.D

Acq: 7 Apr 2021 1:44

Instrument :

MSVOA_L

ClientSampleId :

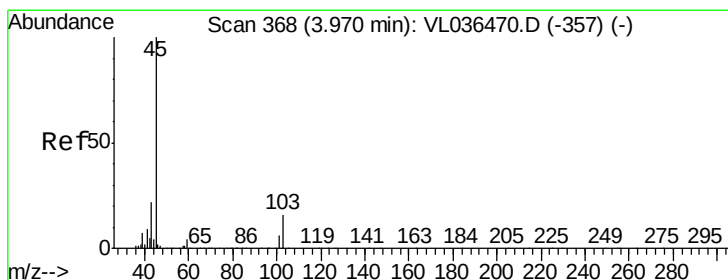
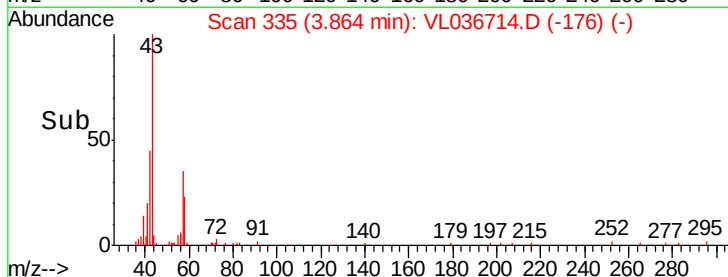
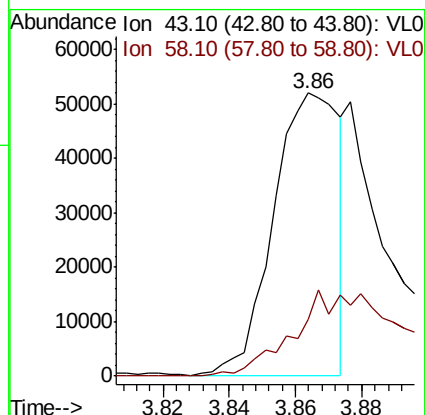
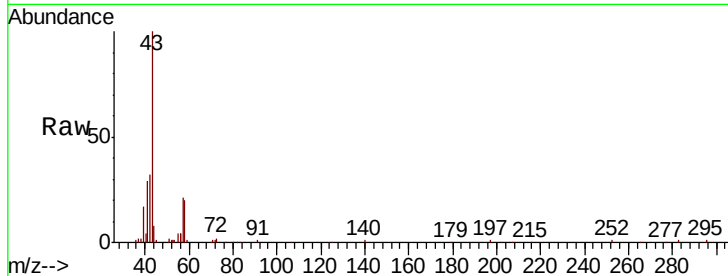
FS-SV1-FIELD

Tot Ion: 43 Resp: 71178

Ion Ratio Lower Upper

43 100

58 59.6 21.2 31.8#



#19

Isopropyl Alcohol

Concen: 0.079 ppbv

RT: 3.99 min Scan# 374

Delta R.T. 0.02 min

Lab File: VL036714.D

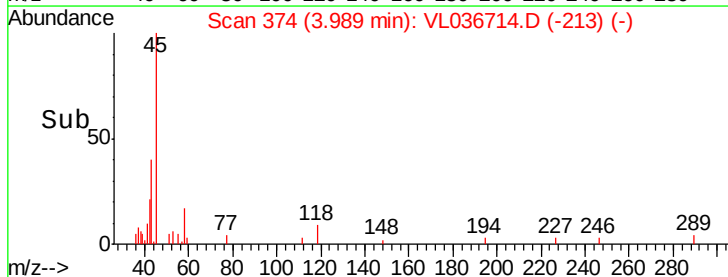
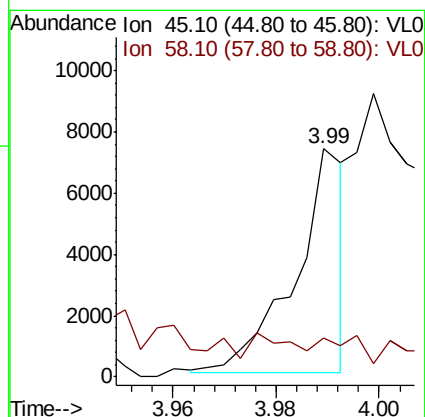
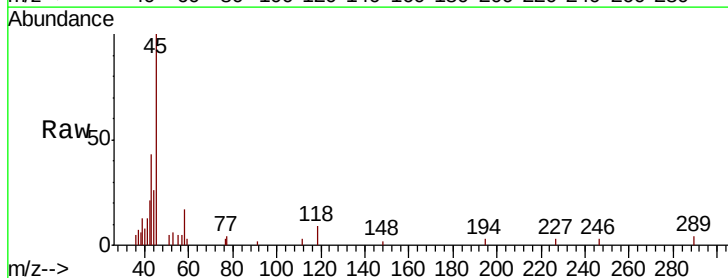
Acq: 7 Apr 2021 1:44

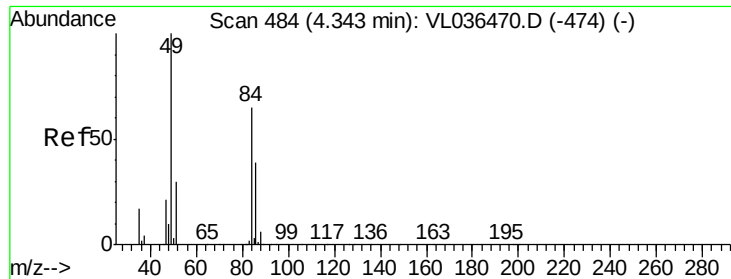
Tgt Ion: 45 Resp: 4901

Ion Ratio Lower Upper

45 100

58 60.8 2.9 4.3#

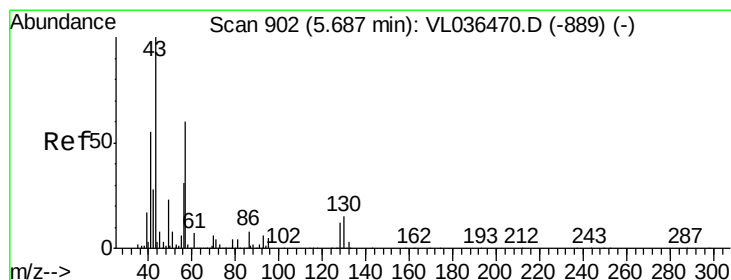
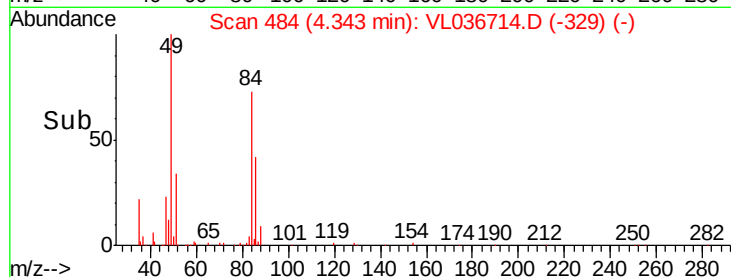
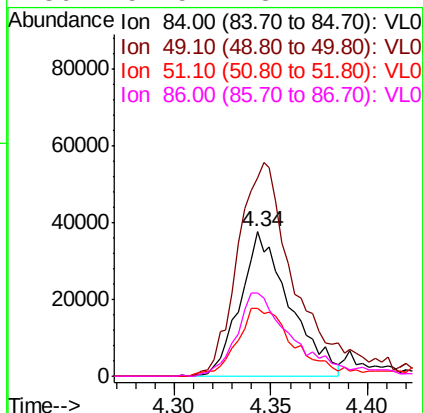
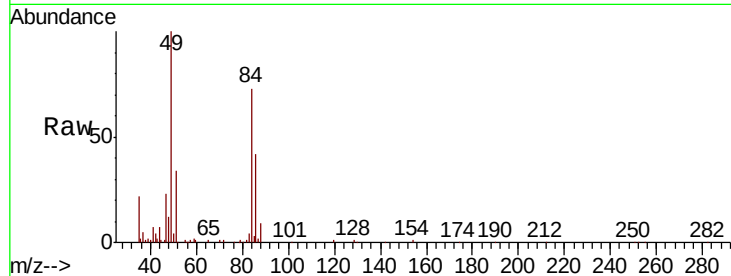




#20
Methvlene Chloride
Concen: 1.274 ppbv
RT: 4.34 min Scan# 484
Delta R.T. -0.00 min
Lab File: VL036714.D
Acq: 7 Apr 2021 1:44

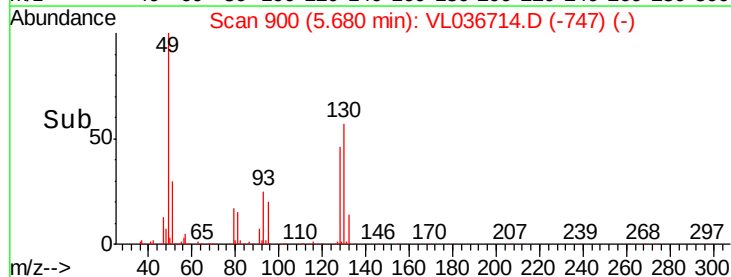
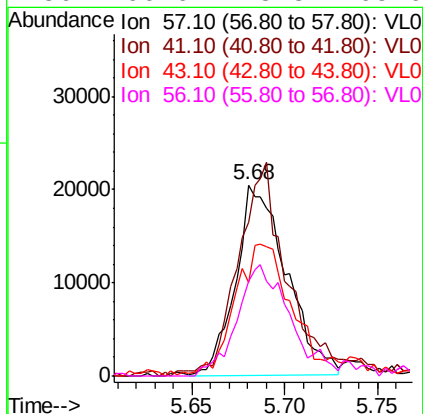
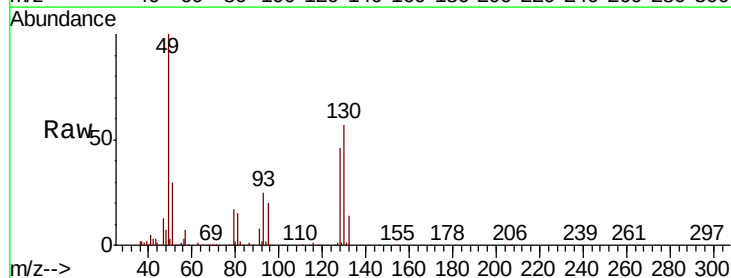
Instrument :
MSVOA_L
ClientSampleId :
FS-SV1-FIELD

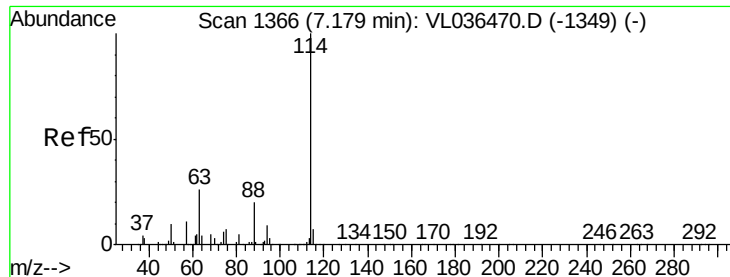
Tot Ion:	84	Resp:	67028
Ion	Ratio	Lower	Upper
84	100		
49	137.0	122.9	184.3
51	47.2	36.9	55.3
86	57.5	48.2	72.4



#26
Hexane
Concen: 0.313 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL036714.D
Acq: 7 Apr 2021 1:44

Tgt Ion:	57	Resp:	38829
Ion	Ratio	Lower	Upper
57	100		
41	116.4	77.2	115.8#
43	84.8	173.8	260.6#
56	66.6	43.8	65.6#

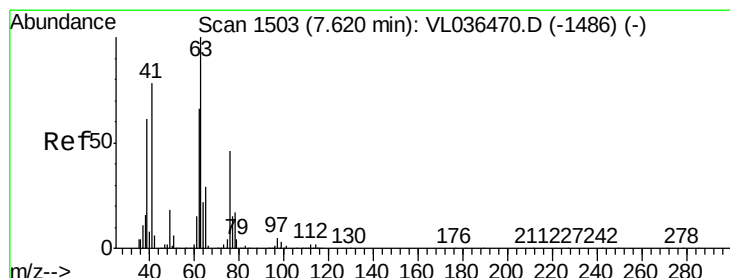
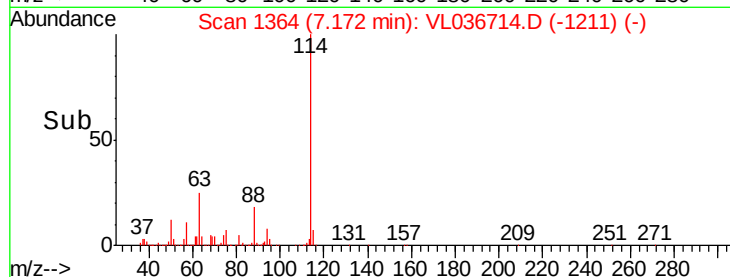
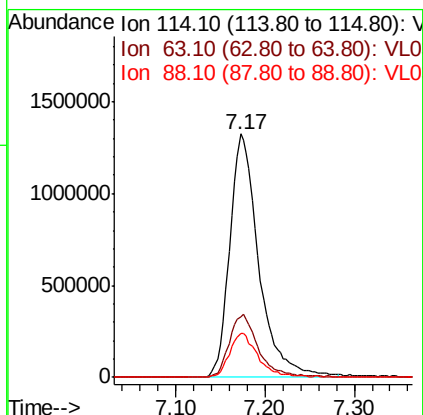
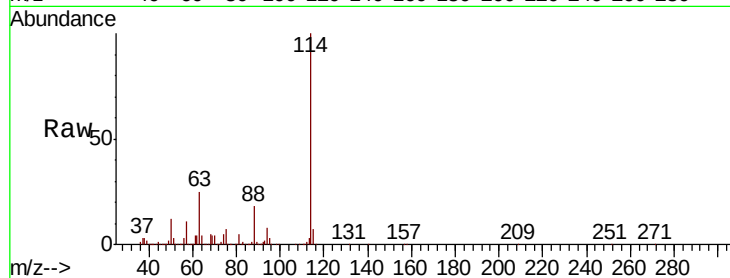




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VL036714.D
 Acq: 7 Apr 2021 1:44

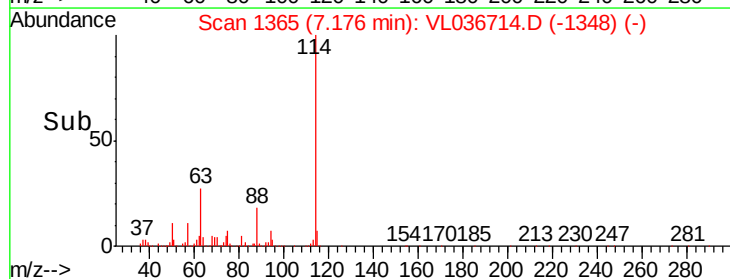
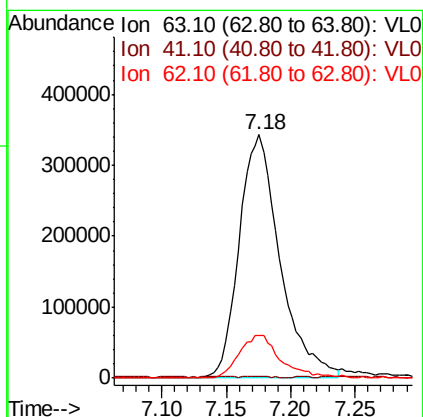
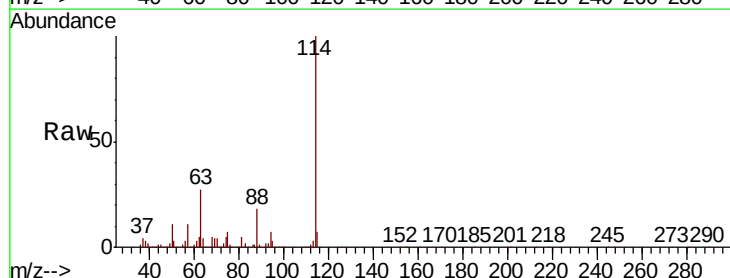
Instrument :
 MSVOA_L
 ClientSampleId :
 FS-SV1-FIELD

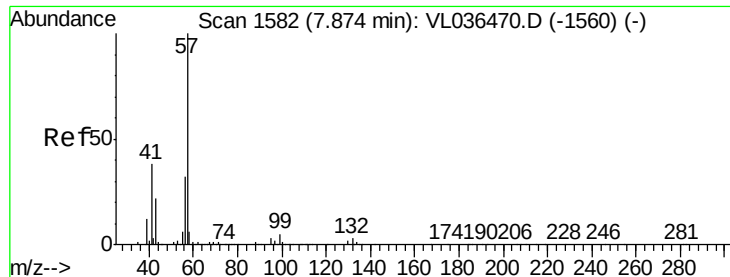
Tot Ion:114 Resp: 2989567
 Ion Ratio Lower Upper
 114 100
 63 26.1 22.4 33.6
 88 18.1 15.4 23.0



#39
 1,2-Dichloropropane
 Concen: 6.738 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.44 min
 Lab File: VL036714.D
 Acq: 7 Apr 2021 1:44

Tgt Ion: 63 Resp: 753569
 Ion Ratio Lower Upper
 63 100
 41 0.0 62.4 93.6#
 62 17.2 52.8 79.2#

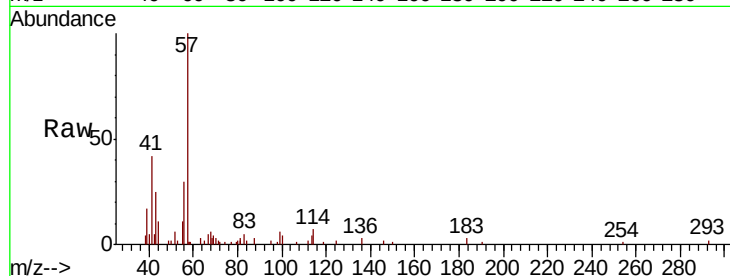




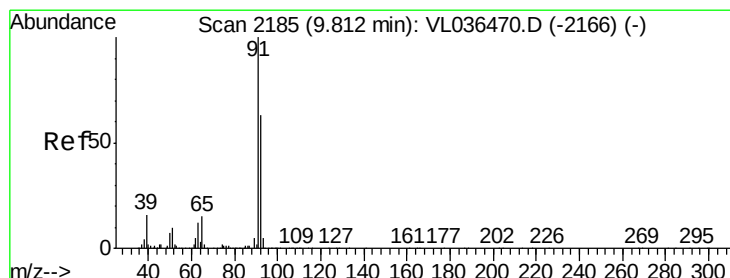
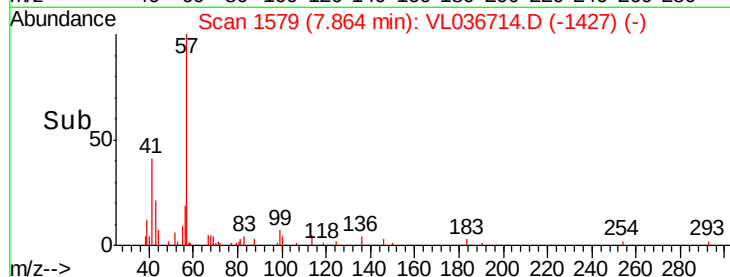
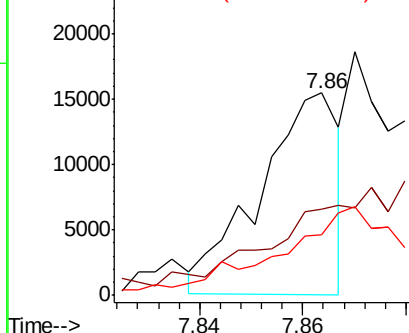
#44
 2,2,4-Trimethylpentane
 Concen: 0.034 ppbv
 RT: 7.86 min Scan# 1579
 Delta R.T. -0.01 min
 Lab File: VL036714.D
 Acq: 7 Apr 2021 1:44

Instrument :
 MSVOA_L
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 FS-SV1-FIELD

Tot Ion: 57 Resp: 16442
 Ion Ratio Lower Upper
 57 100
 41 0.0 28.8 43.2#
 56 0.0 26.1 39.1#

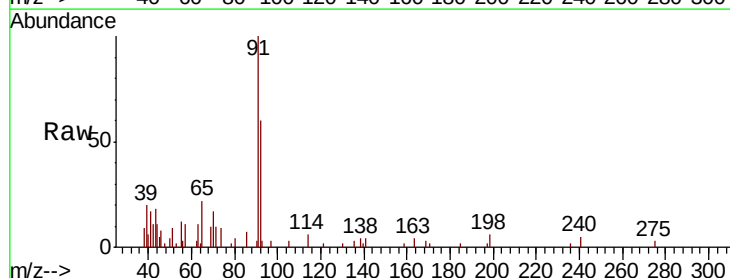


Abundance Ion 57.10 (56.80 to 57.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 56.10 (55.80 to 56.80): VL0

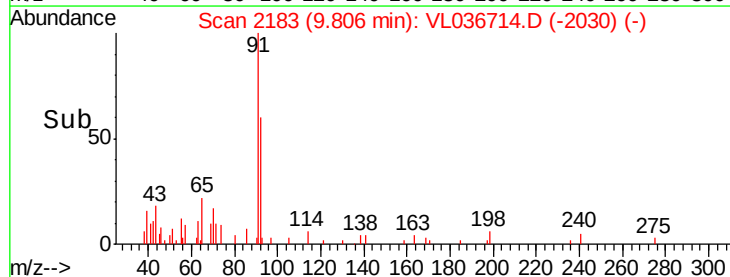
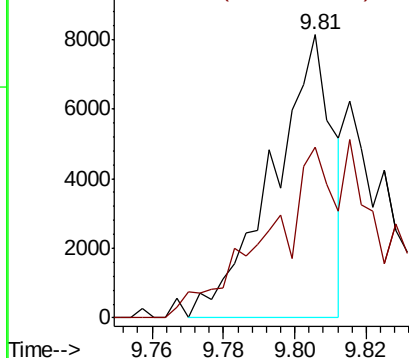


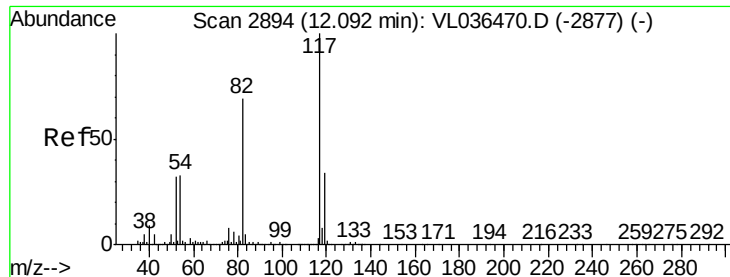
#53
 Toluene
 Concen: 0.032 ppbv
 RT: 9.81 min Scan# 2183
 Delta R.T. -0.01 min
 Lab File: VL036714.D
 Acq: 7 Apr 2021 1:44

Tgt Ion: 91 Resp: 9470
 Ion Ratio Lower Upper
 91 100
 92 0.0 48.8 73.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. -0.01 min

Lab File: VL036714.D

Acq: 7 Apr 2021 1:44

Instrument :

MSVOA_L

ClientSampleId :

FS-SV1-FIELD

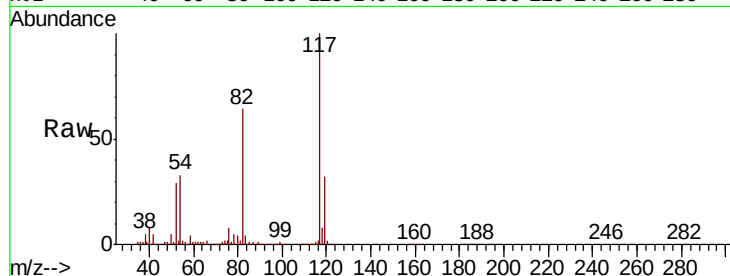
Tot Ion:117 Resp: 2584255

Ion Ratio Lower Upper

117 100

82 67.0 57.4 86.0

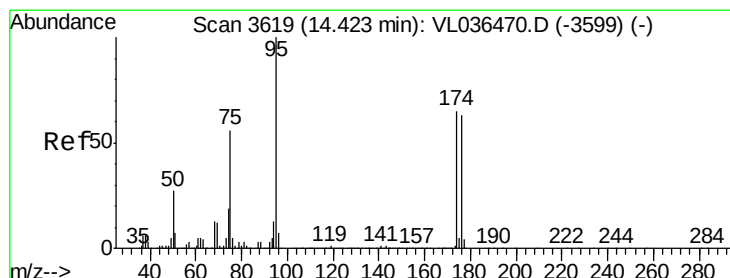
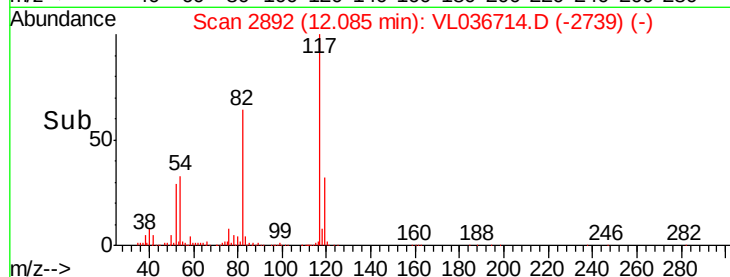
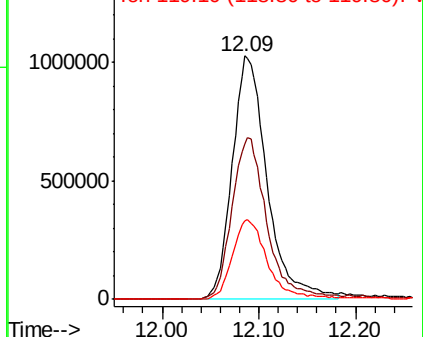
119 33.6 47.4 71.0#



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: 9.570 ppbv

RT: 14.42 min Scan# 3619

Delta R.T. -0.00 min

Lab File: VL036714.D

Acq: 7 Apr 2021 1:44

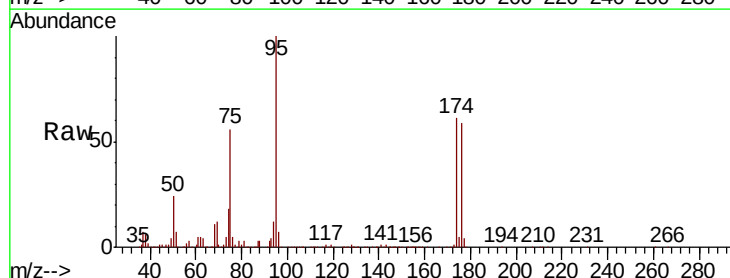
Tgt Ion: 95 Resp: 1971100

Ion Ratio Lower Upper

95 100

174 69.0 51.0 76.6

175 5.0 3.9 5.9



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

