

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110520\
 Data File : VL035863.D
 Acq On : 5 Nov 2020 16:58
 Operator : SY/AP
 Sample : L4220-06DL 2X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

Quant Time: Nov 08 14:10:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1214665	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	4686573	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4214953	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3007049	10.04	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

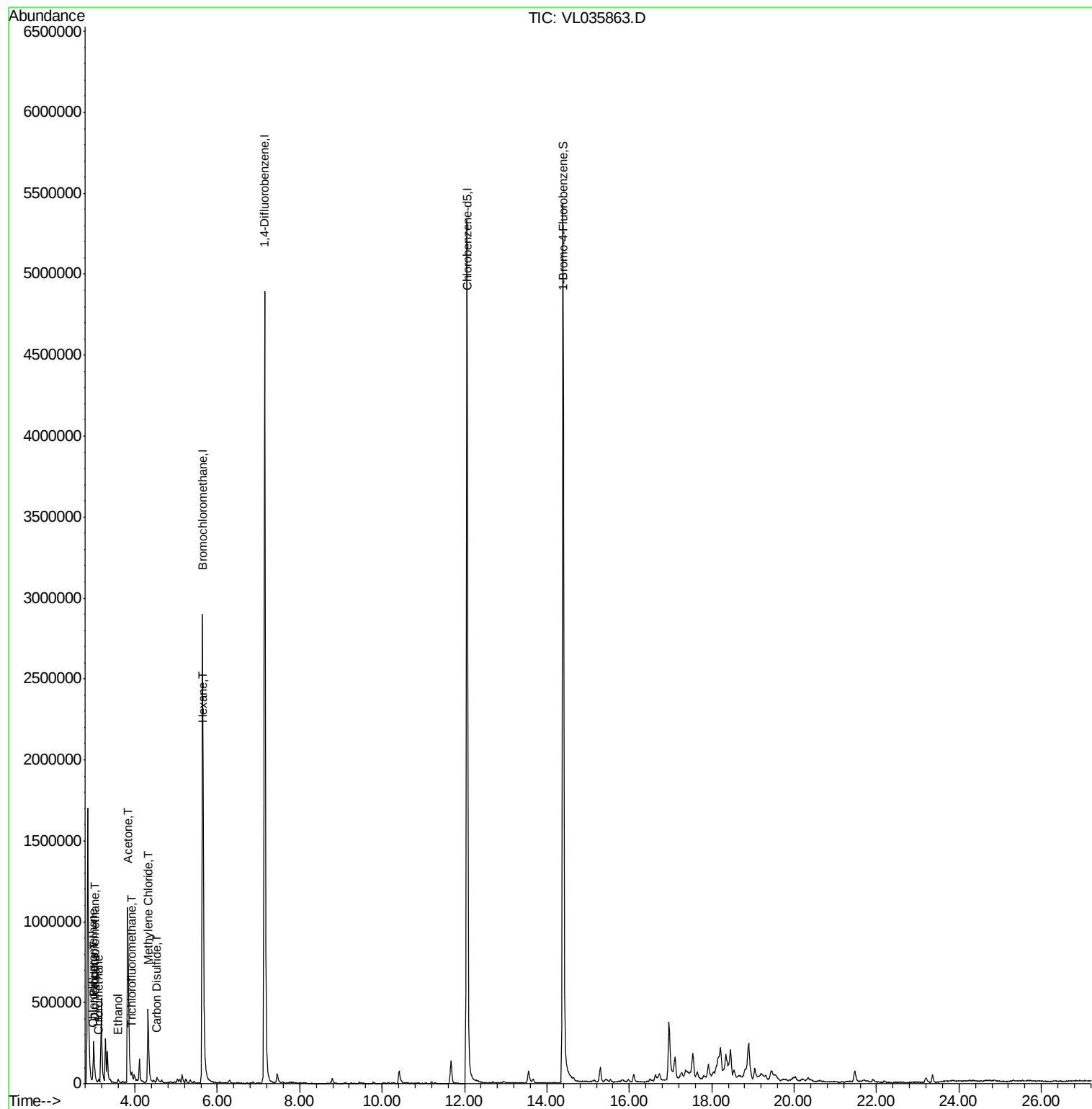
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	32022	0.140	ppbv	94
3) Chlorodifluoromethane	2.97	51	25513	0.175	ppbv	95
4) Chloromethane	3.12	50	19674	0.278	ppbv	100
9) Propene	3.00	41	87802	1.649	ppbv #	81
11) Trichlorofluoromethane	3.93	101	29260	0.102	ppbv	94
13) Ethanol	3.59	45	26832	2.323	ppbv	95
15) Acetone	3.83	43	1408992	10.850	ppbv	97
20) Methylene Chloride	4.32	84	237261	2.595	ppbv	97
26) Hexane	5.66	57	112744	0.799	ppbv #	45
27) Carbon Disulfide	4.53	76	43488	0.206	ppbv #	71

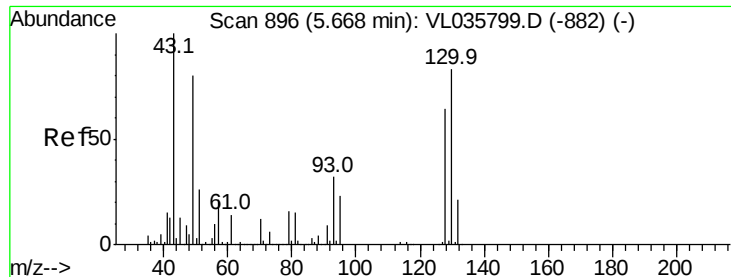
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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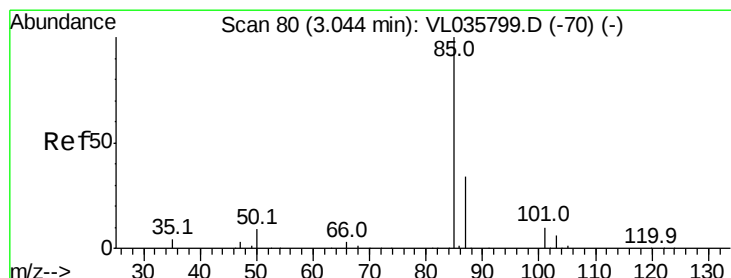
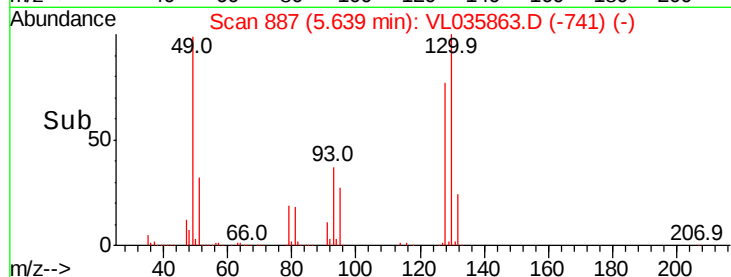
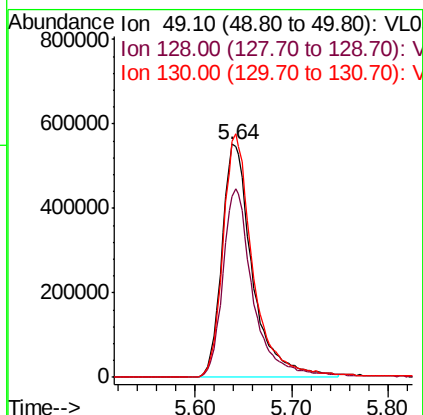
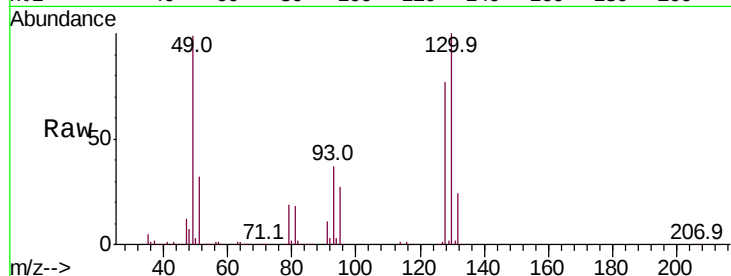




#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 887
Delta R.T. -0.03 min
Lab File: VL035863.D
Acq: 5 Nov 2020 16:58

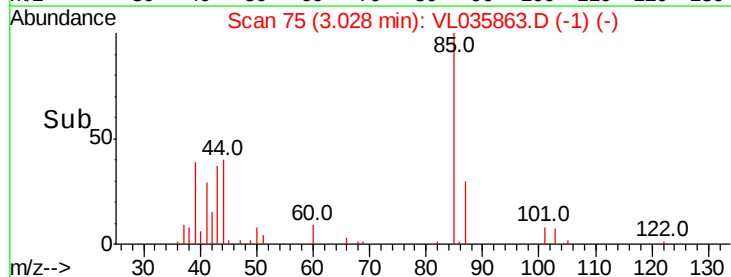
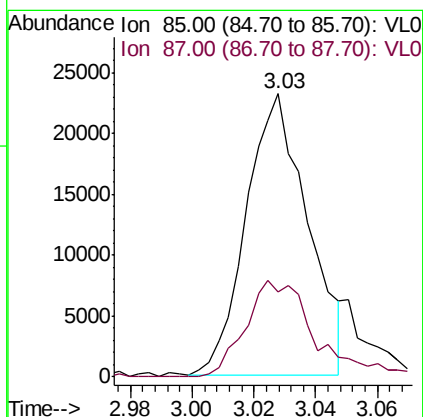
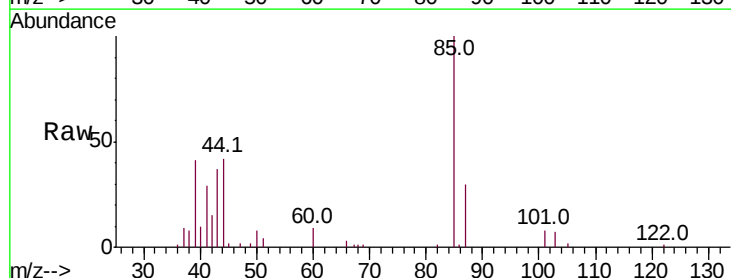
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

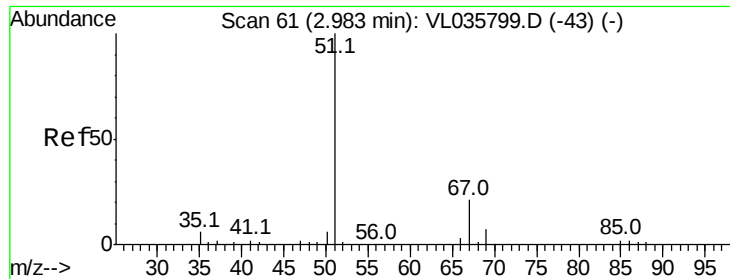
Tot Ion: 49 Resp: 1214665
Ion Ratio Lower Upper
49 100
128 81.2 41.5 124.6
130 104.5 53.7 161.1



#2
Dichlorodifluoromethane
Concen: 0.140 ppbv
RT: 3.03 min Scan# 75
Delta R.T. -0.02 min
Lab File: VL035863.D
Acq: 5 Nov 2020 16:58

Tgt Ion: 85 Resp: 32022
Ion Ratio Lower Upper
85 100
87 30.2 27.1 40.7

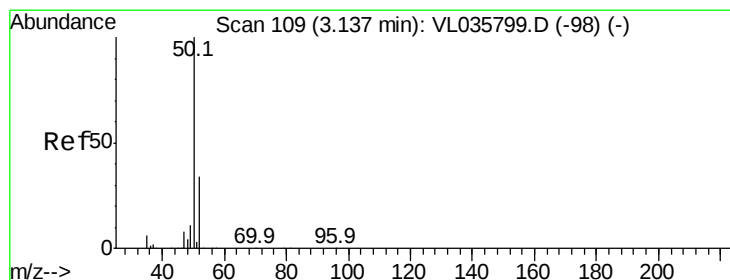
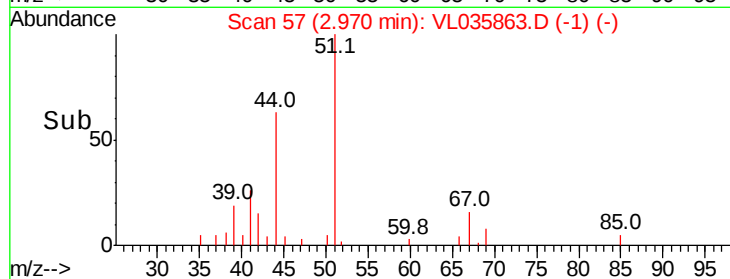
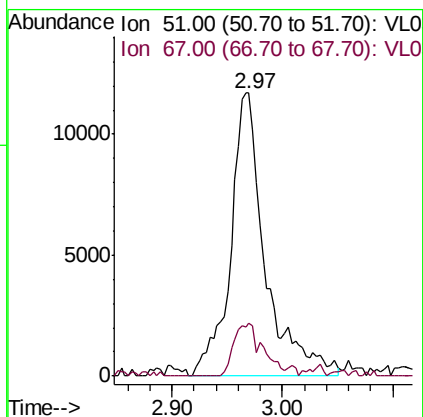
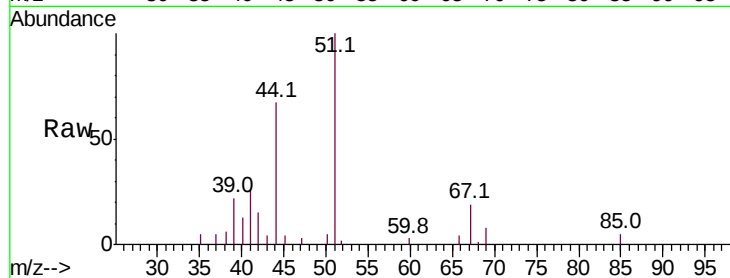




#3
 Chlorodifluoromethane
 Concen: 0.175 ppbv
 RT: 2.97 min Scan# 57
 Delta R.T. -0.01 min
 Lab File: VL035863.D
 Acq: 5 Nov 2020 16:58

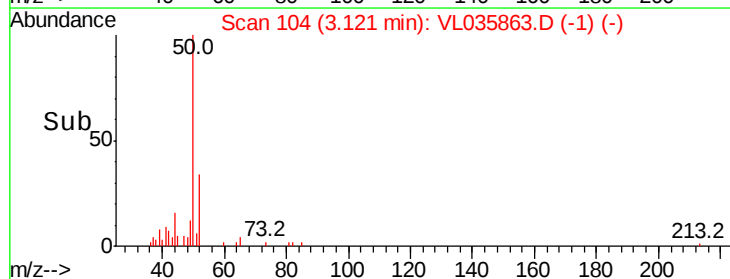
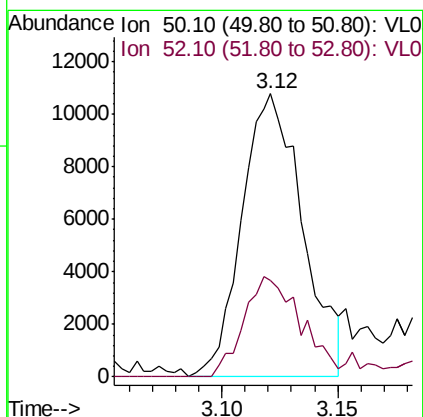
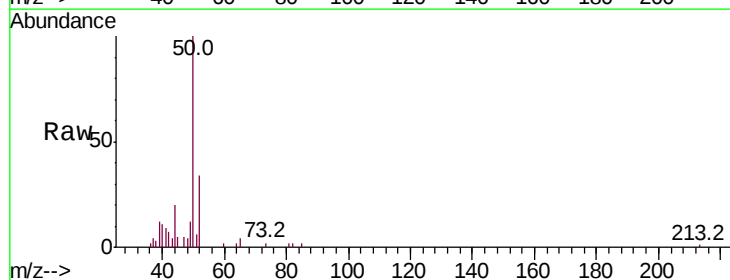
Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DL

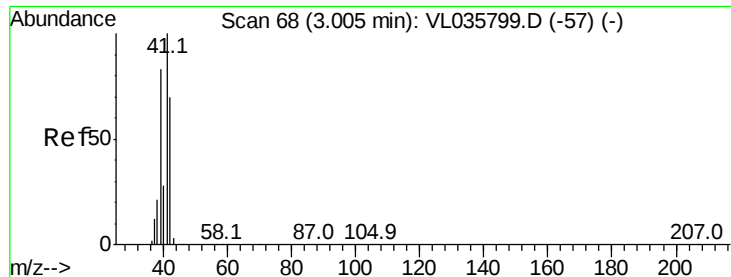
Tot Ion: 51 Resp: 25513
 Ion Ratio Lower Upper
 51 100
 67 18.8 17.0 25.4



#4
 Chloromethane
 Concen: 0.278 ppbv
 RT: 3.12 min Scan# 104
 Delta R.T. -0.02 min
 Lab File: VL035863.D
 Acq: 5 Nov 2020 16:58

Tgt Ion: 50 Resp: 19674
 Ion Ratio Lower Upper
 50 100
 52 33.9 27.1 40.7





#9

Propene

Concen: 1.649 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL035863.D

Acq: 5 Nov 2020 16:58

Instrument :

MSVOA_L

ClientSampleId :

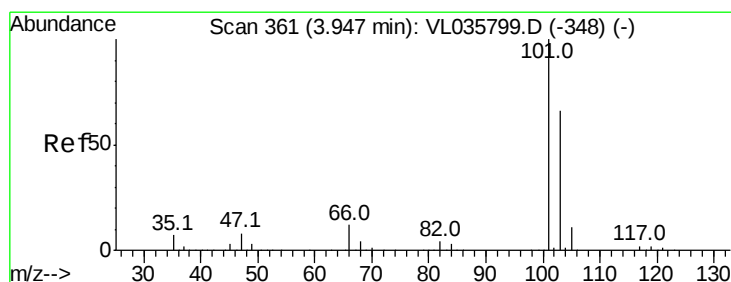
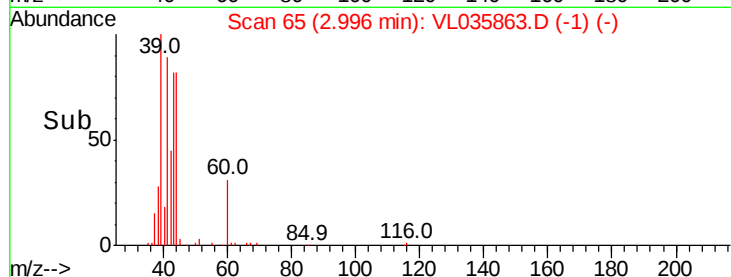
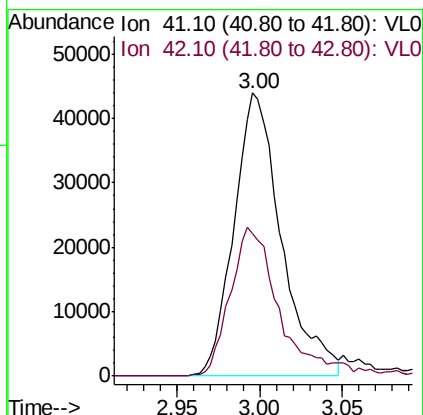
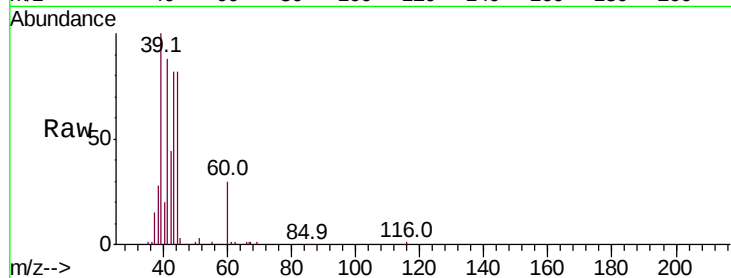
SV1DL

Tot Ion: 41 Resp: 87802

Ion Ratio Lower Upper

41 100

42 55.0 56.2 84.4#



#11

Trichlorofluoromethane

Concen: 0.102 ppbv

RT: 3.93 min Scan# 355

Delta R.T. -0.02 min

Lab File: VL035863.D

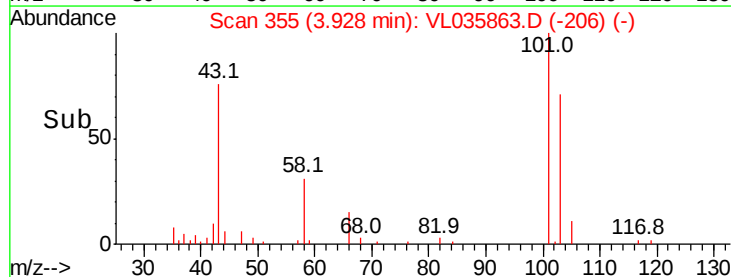
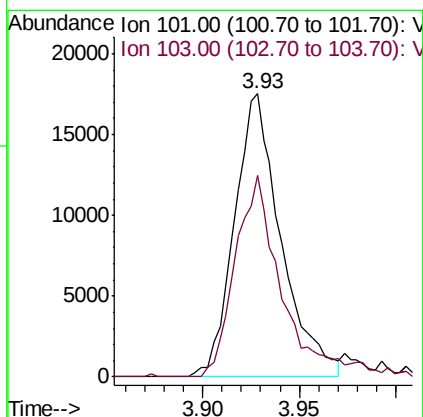
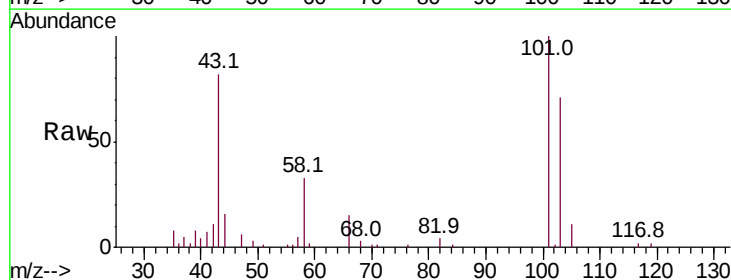
Acq: 5 Nov 2020 16:58

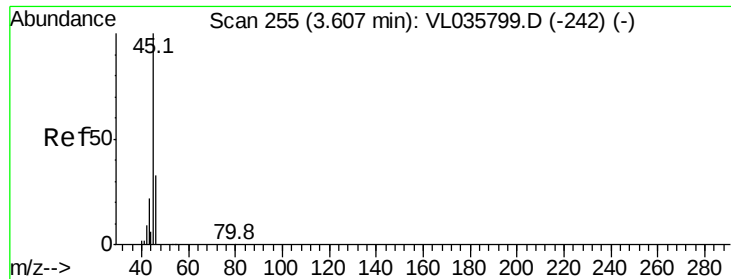
Tgt Ion: 101 Resp: 29260

Ion Ratio Lower Upper

101 100

103 71.1 53.0 79.4





#13

Ethanol

Concen: 2.323 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL035863.D

Acq: 5 Nov 2020 16:58

Instrument :

MSVOA_L

ClientSampleId :

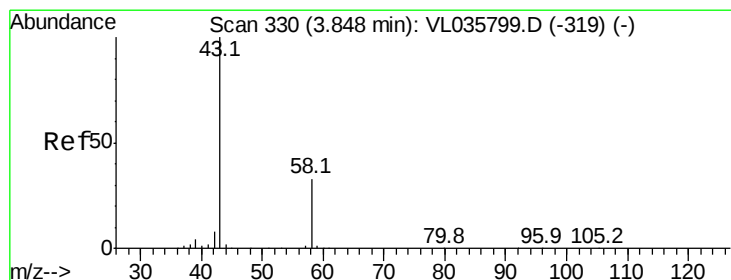
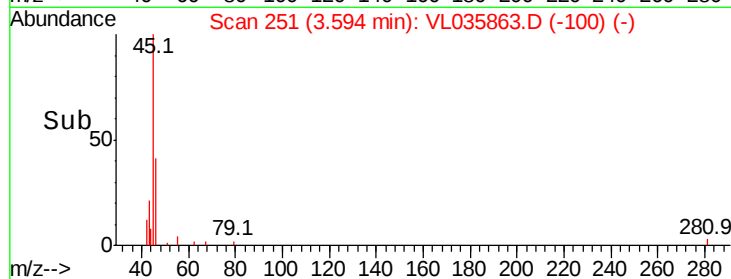
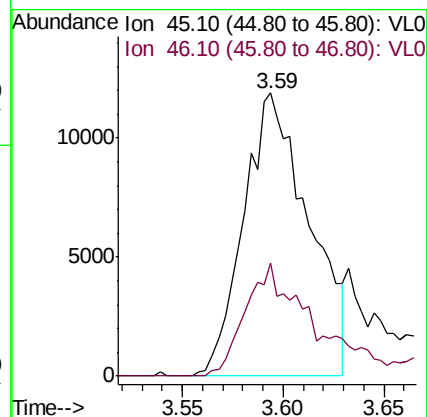
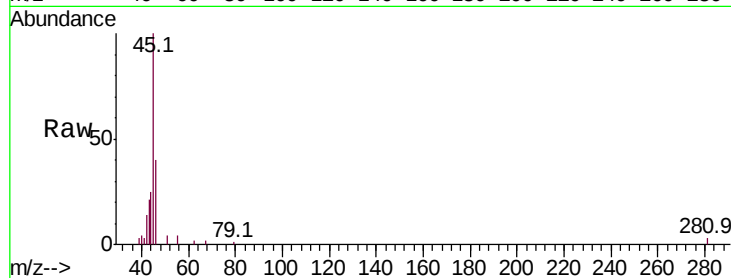
SV1DL

Tot Ion: 45 Resp: 26832

Ion Ratio Lower Upper

45 100

46 43.5 16.1 64.5



#15

Acetone

Concen: 10.850 ppbv

RT: 3.83 min Scan# 323

Delta R.T. -0.02 min

Lab File: VL035863.D

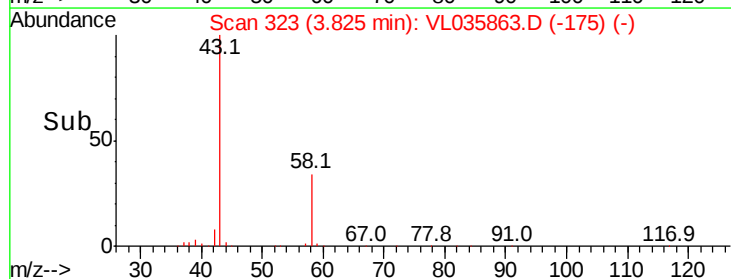
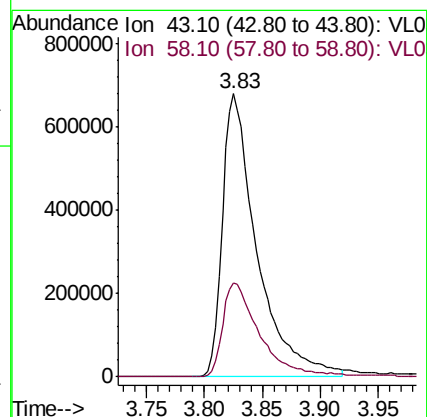
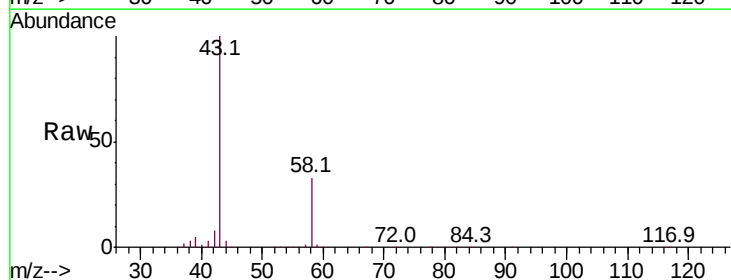
Acq: 5 Nov 2020 16:58

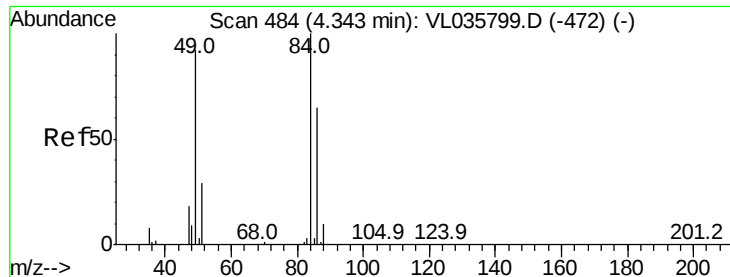
Tgt Ion: 43 Resp: 1408992

Ion Ratio Lower Upper

43 100

58 36.3 27.5 41.3

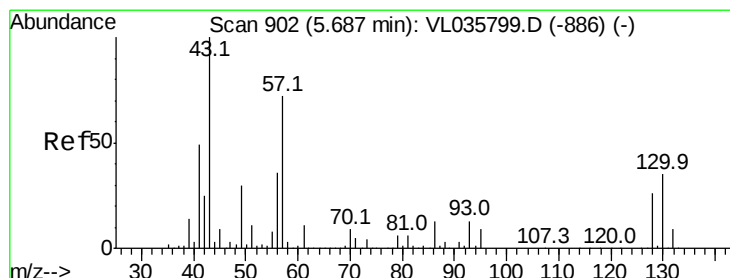
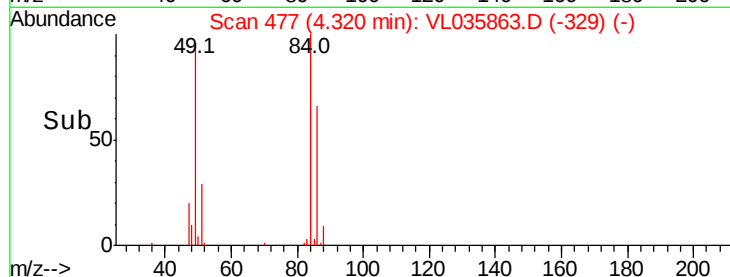
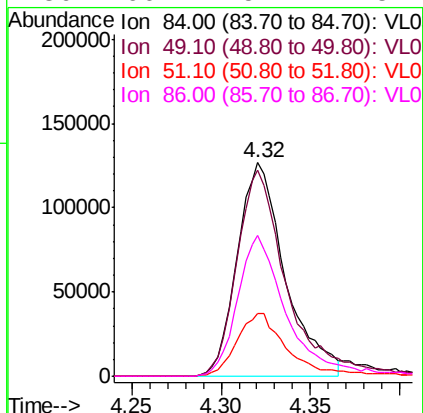
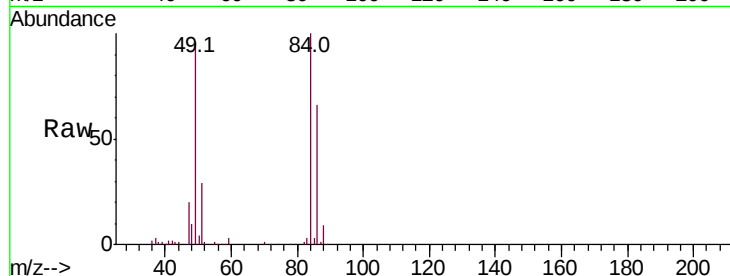




#20
Methvlene Chloride
Concen: 2.595 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.02 min
Lab File: VL035863.D
Acq: 5 Nov 2020 16:58

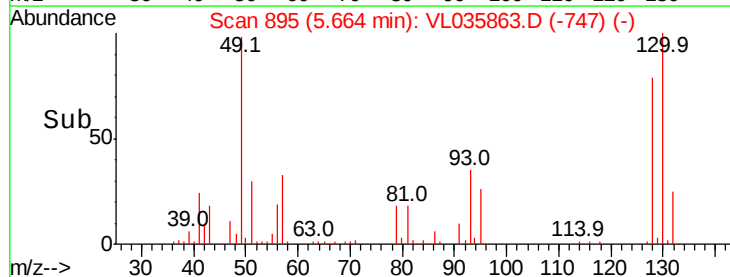
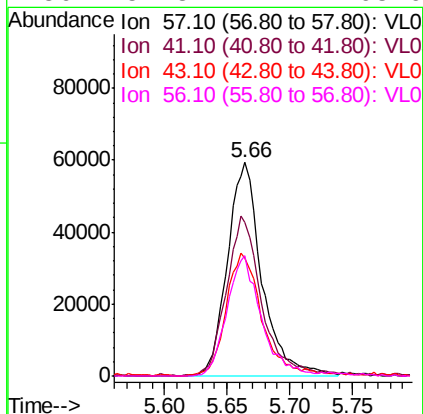
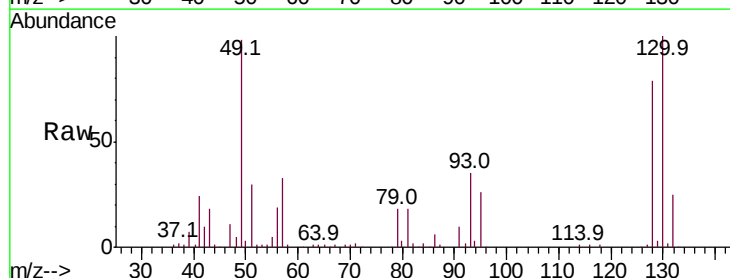
Instrument :
MSVOA_L
ClientSampleId :
SV1DL

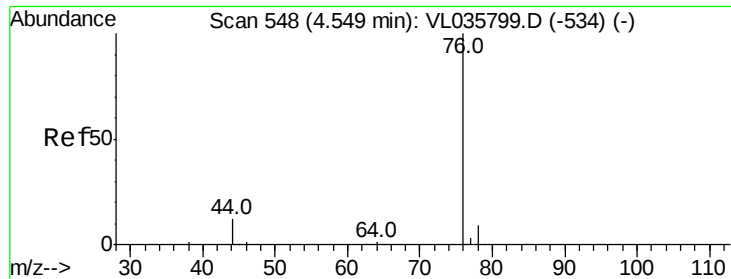
Tot Ion:	84	Resp:	237261
Ion	Ratio	Lower	Upper
84	100		
49	96.4	73.8	110.8
51	29.0	23.0	34.4
86	66.1	52.1	78.1



#26
Hexane
Concen: 0.799 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL035863.D
Acq: 5 Nov 2020 16:58

Tgt Ion:	57	Resp:	112744
Ion	Ratio	Lower	Upper
57	100		
41	78.3	58.9	88.3
43	59.3	150.2	225.2#
56	57.8	42.4	63.6





#27

Carbon Disulfide

Concen: 0.206 ppbv

RT: 4.53 min Scan# 542

Delta R.T. -0.02 min

Lab File: VL035863.D

Acq: 5 Nov 2020 16:58

Instrument :

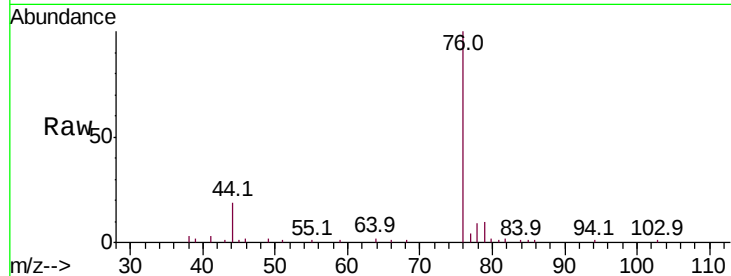
MSVOA_L

ClientSampleId :

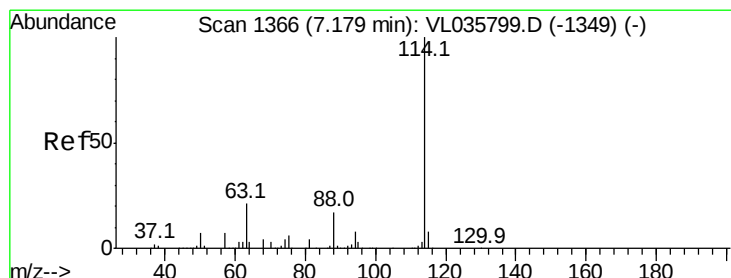
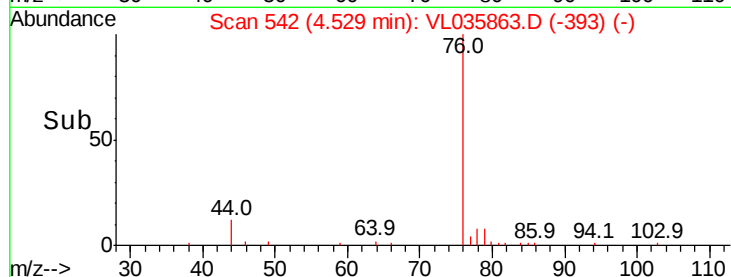
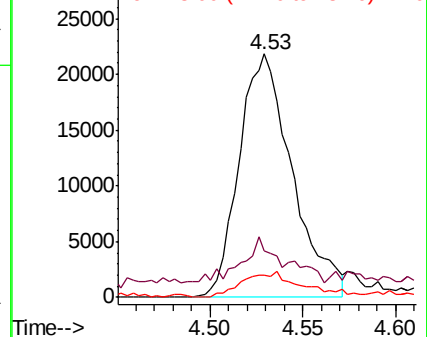
SV1DL

Tot Ion: 76 Resp: 43488

Ion	Ratio	Lower	Upper
76	100		
44	31.6	9.9	14.9#
78	12.1	8.1	12.1



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1357

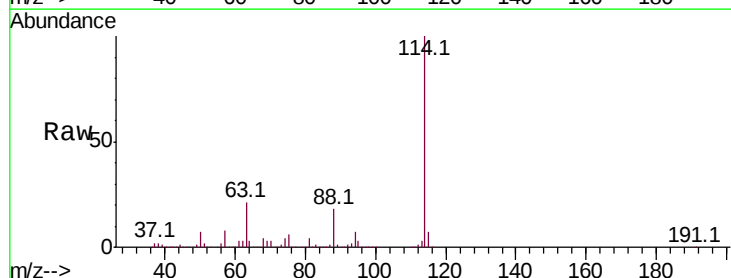
Delta R.T. -0.03 min

Lab File: VL035863.D

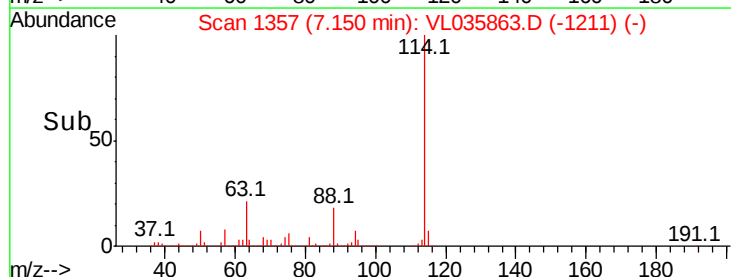
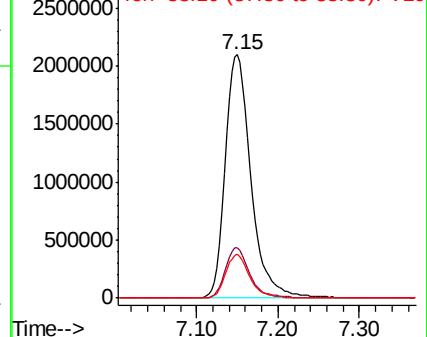
Acq: 5 Nov 2020 16:58

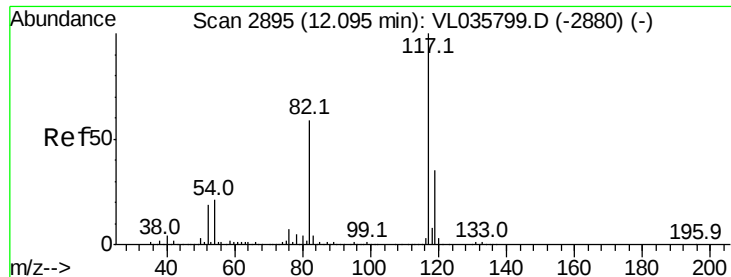
Tgt Ion: 114 Resp: 4686573

Ion	Ratio	Lower	Upper
114	100		
63	19.9	16.1	24.1
88	17.1	13.7	20.5



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

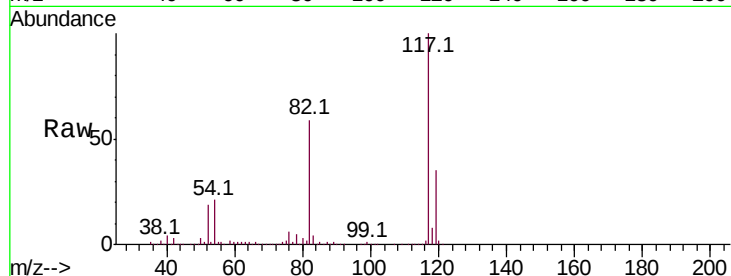




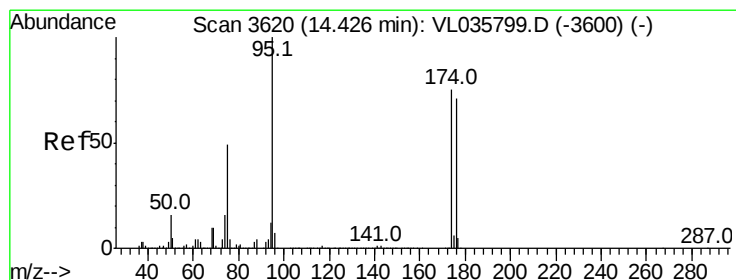
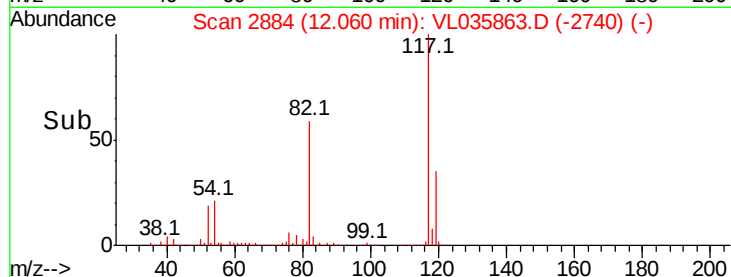
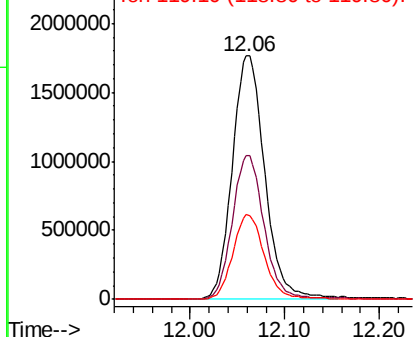
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.04 min
Lab File: VL035863.D
Acq: 5 Nov 2020 16:58

Instrument :
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Tot Ion:117 Resp: 4214953
Ion Ratio Lower Upper
117 100
82 58.6 50.6 76.0
119 34.3 52.6 78.8#

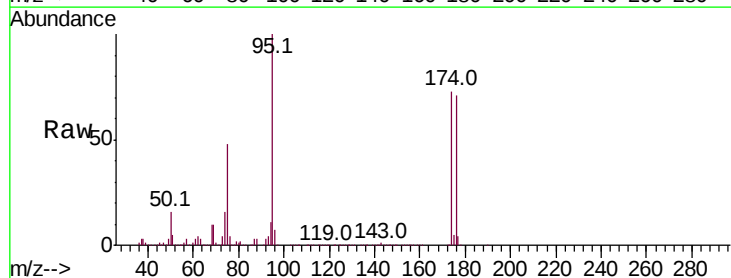


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.041 ppbv
RT: 14.39 min Scan# 3609
Delta R.T. -0.04 min
Lab File: VL035863.D
Acq: 5 Nov 2020 16:58

Tgt Ion: 95 Resp: 3007049
Ion Ratio Lower Upper
95 100
174 75.2 59.8 89.6
175 5.2 4.3 6.5



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

