

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120820\
 Data File : VL036110.D
 Acq On : 9 Dec 2020 1:02
 Operator : SY/AP
 Sample : L4948-09 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-8BDL

Quant Time: Dec 09 07:23:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1101695	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	2460427	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2248613	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1798029	10.07	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

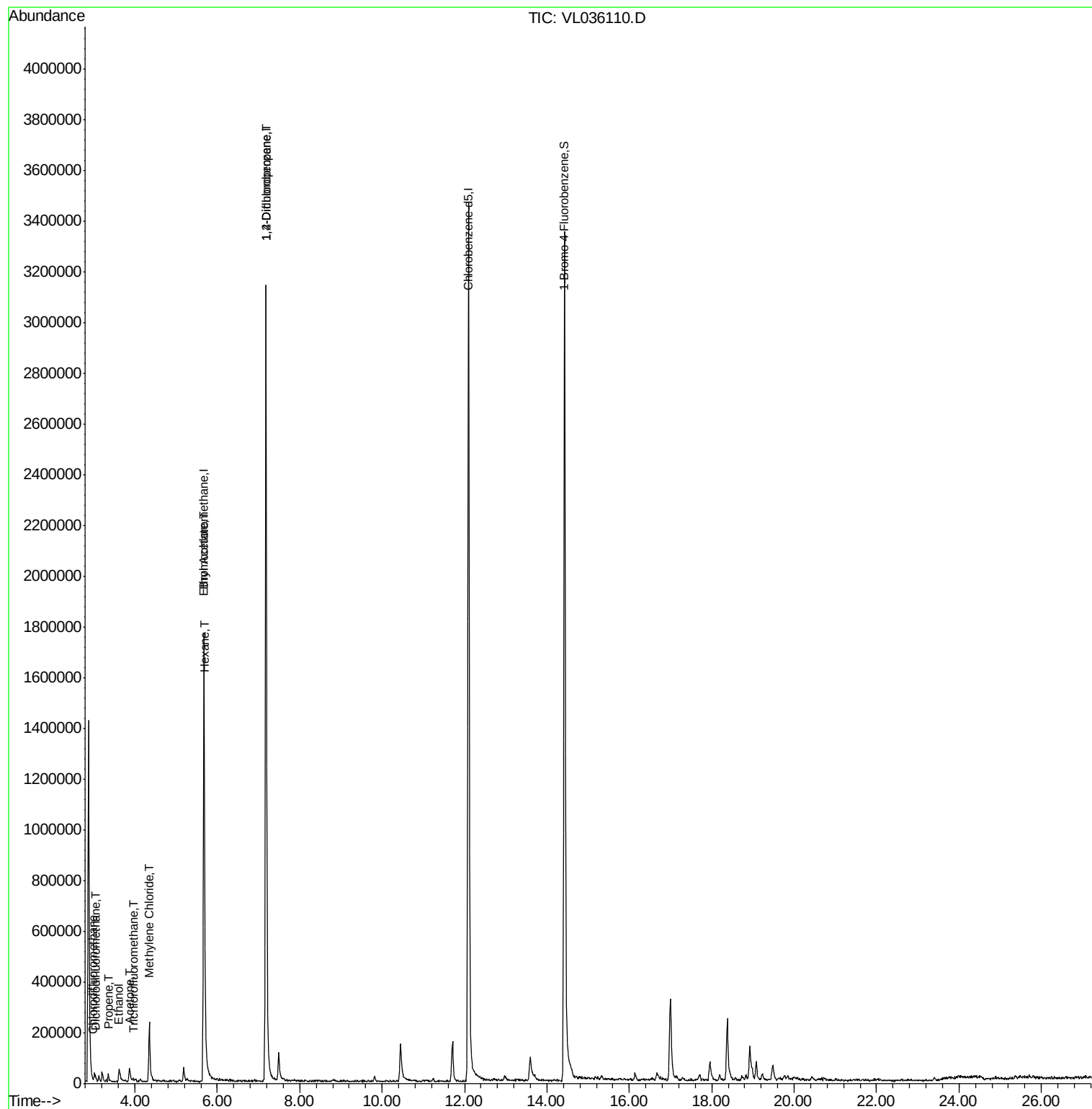
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	9882	0.077	ppbv	90
3) Chlorodifluoromethane	2.99	51	6794	0.054	ppbv	97
9) Propene	3.36	41	4989	0.079	ppbv	100
11) Trichlorofluoromethane	3.95	101	5548	0.037	ppbv	97
13) Ethanol	3.61	45	31119	3.585	ppbv #	32
15) Acetone	3.86	43	61642	0.466	ppbv #	65
20) Methylene Chloride	4.35	84	54976	1.013	ppbv	97
25) Ethyl Acetate	5.68	43	10304	0.039	ppbv #	85
26) Hexane	5.69	57	33289	0.280	ppbv #	42
39) 1,2-Dichloropropane	7.19	63	319651	3.882	ppbv #	23

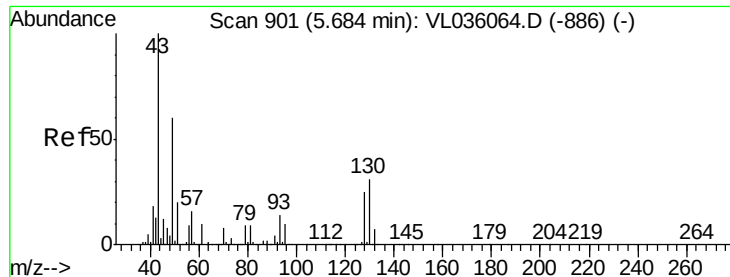
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.02 min

Lab File: VL036110.D

Acq: 9 Dec 2020 1:02

Instrument :

MSVOA_L

ClientSampleId :

SS-8BDL

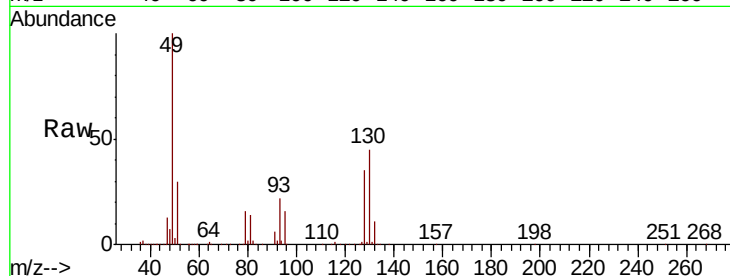
Tot Ion: 49 Resp: 1101695

Ion Ratio Lower Upper

49 100

128 40.8 21.1 63.1

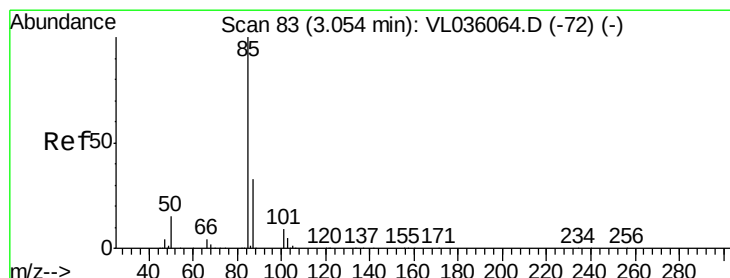
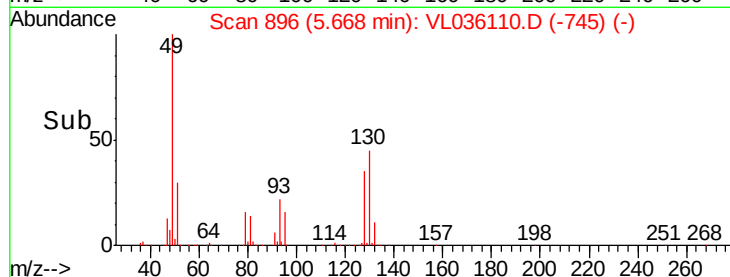
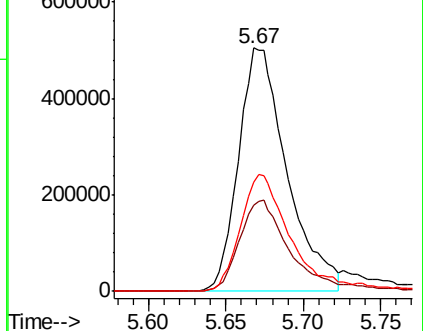
130 51.7 27.1 81.3



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



#2

Dichlorodifluoromethane

Concen: 0.077 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.01 min

Lab File: VL036110.D

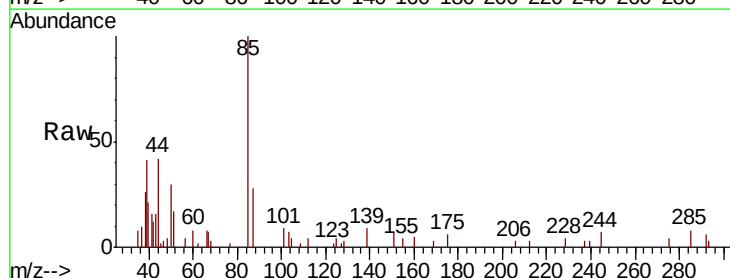
Acq: 9 Dec 2020 1:02

Tgt Ion: 85 Resp: 9882

Ion Ratio Lower Upper

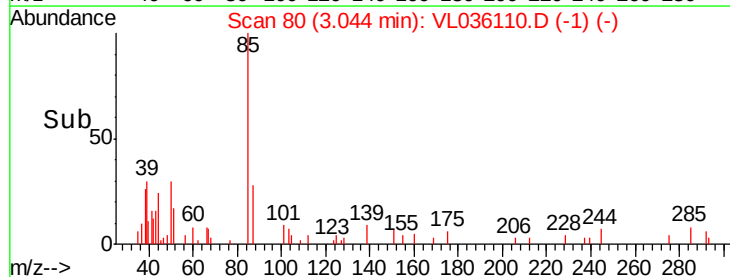
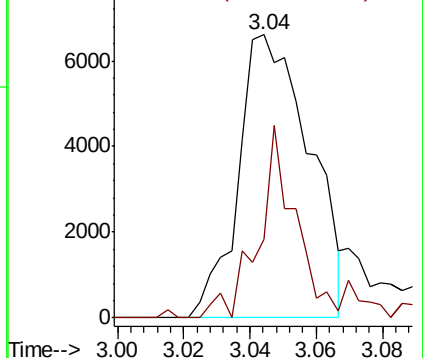
85 100

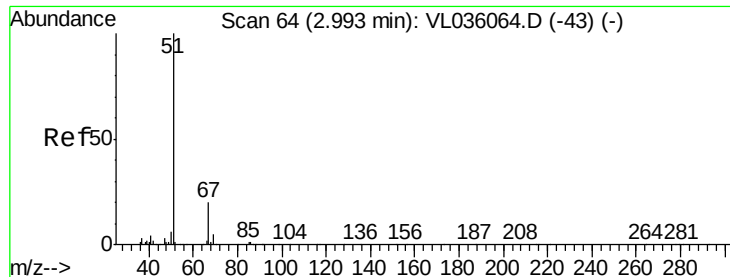
87 27.7 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

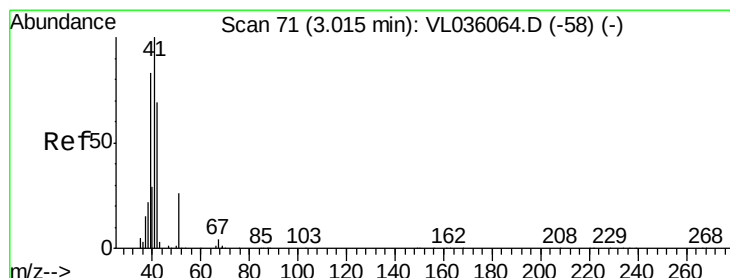
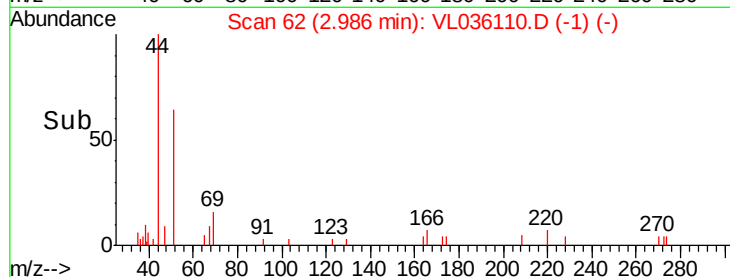
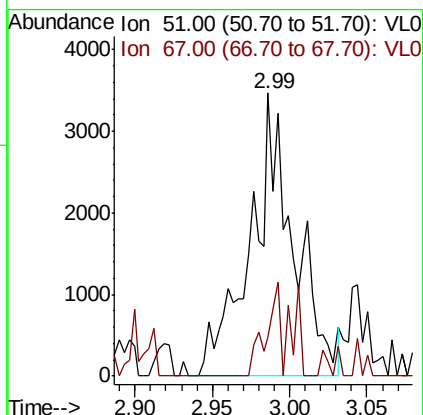
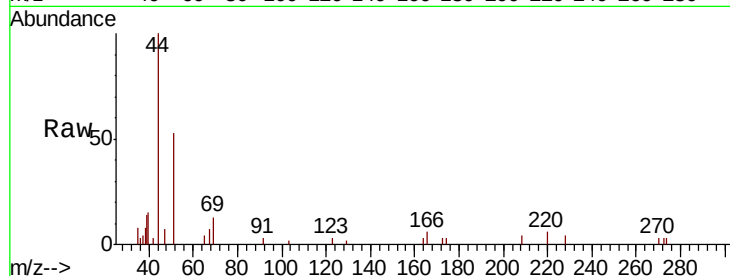




#3
Chlorodifluoromethane
Concen: 0.054 ppbv
RT: 2.99 min Scan# 62
Delta R.T. -0.01 min
Lab File: VL036110.D
Acq: 9 Dec 2020 1:02

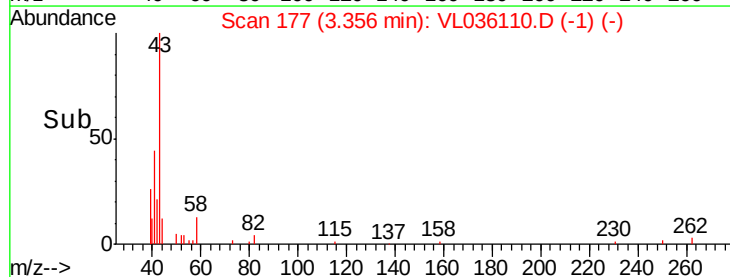
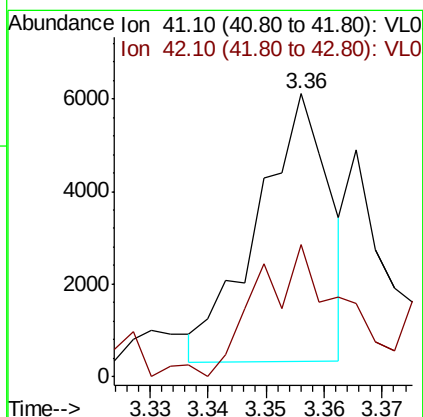
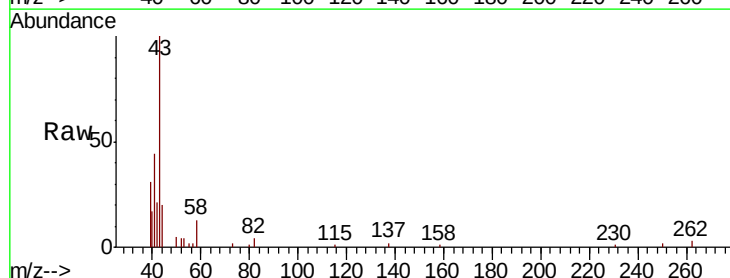
Instrument :
MSVOA_L
ClientSampleId :
SS-8BDL

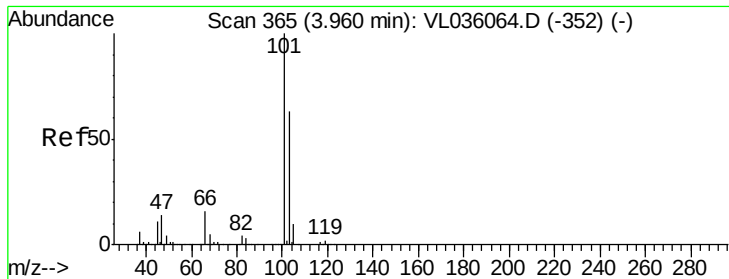
Tot Ion: 51 Resp: 6794
Ion Ratio Lower Upper
51 100
67 16.7 14.3 21.5



#9
Propene
Concen: 0.079 ppbv
RT: 3.36 min Scan# 177
Delta R.T. 0.34 min
Lab File: VL036110.D
Acq: 9 Dec 2020 1:02

Tgt Ion: 41 Resp: 4989
Ion Ratio Lower Upper
41 100
42 71.3 57.0 85.6





#11

Trichlorofluoromethane

Concen: 0.037 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.01 min

Lab File: VL036110.D

Acq: 9 Dec 2020 1:02

Instrument :

MSVOA_L

ClientSampled :

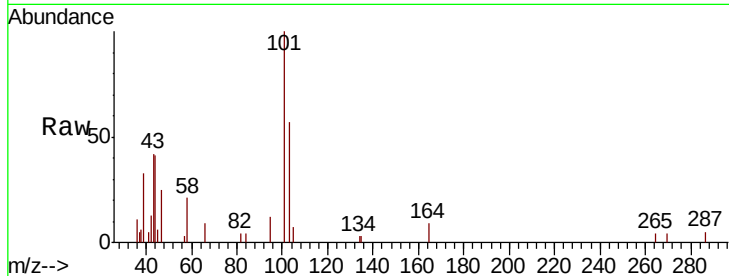
SS-8BDL

Tot Ion:101 Resp: 5548

Ion Ratio Lower Upper

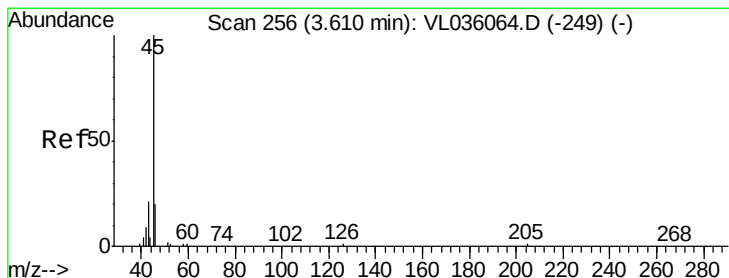
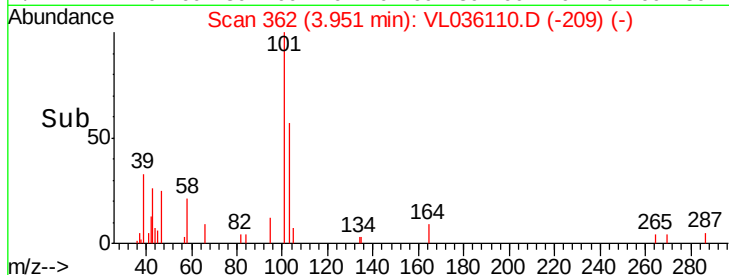
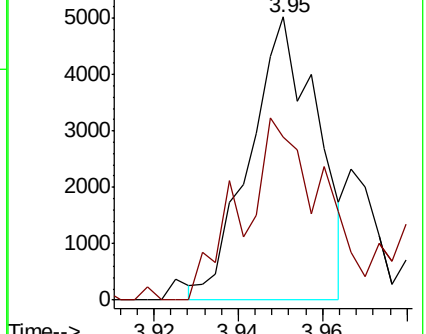
101 100

103 60.6 50.3 75.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Ethanol

Concen: 3.585 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL036110.D

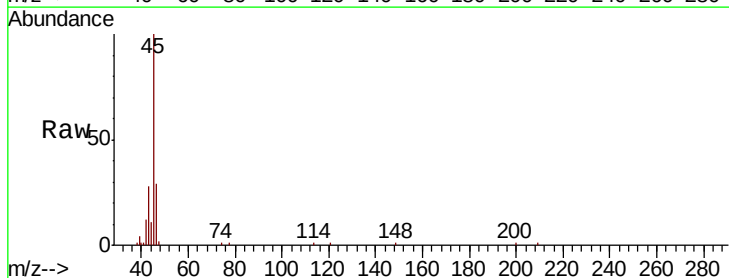
Acq: 9 Dec 2020 1:02

Tgt Ion: 45 Resp: 31119

Ion Ratio Lower Upper

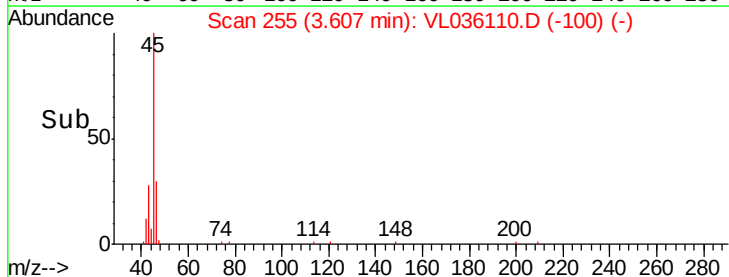
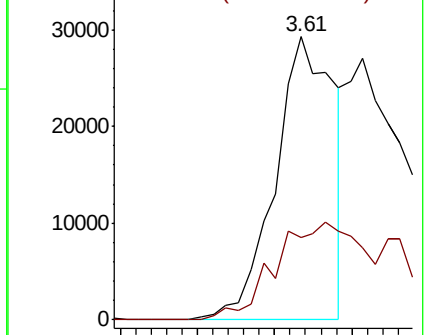
45 100

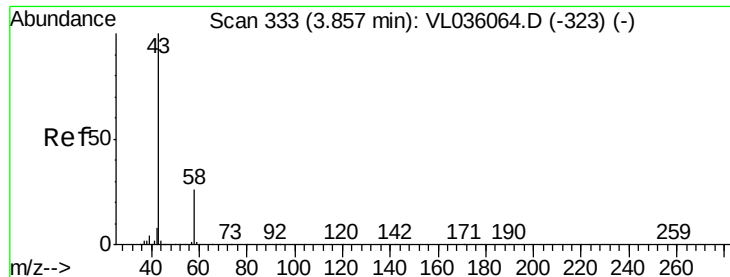
46 92.9 19.0 75.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.466 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.01 min

Lab File: VL036110.D

Acq: 9 Dec 2020 1:02

Instrument :

MSVOA_L

ClientSampleId :

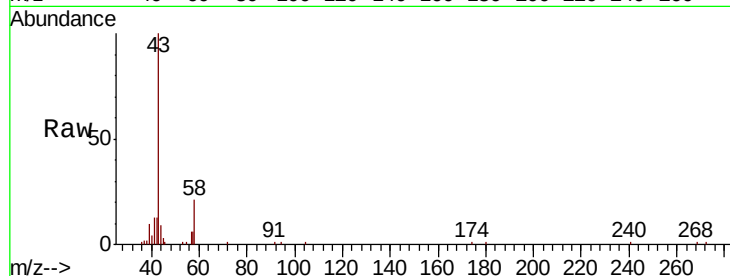
SS-8BDL

Tot Ion: 43 Resp: 61642

Ion Ratio Lower Upper

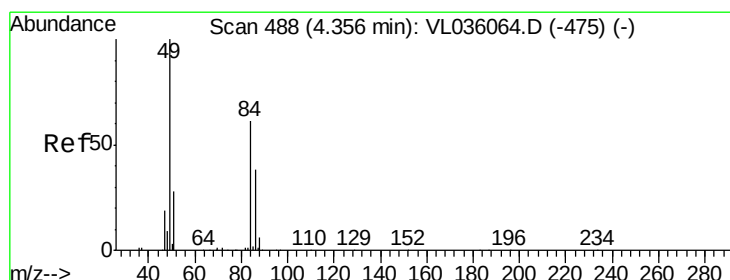
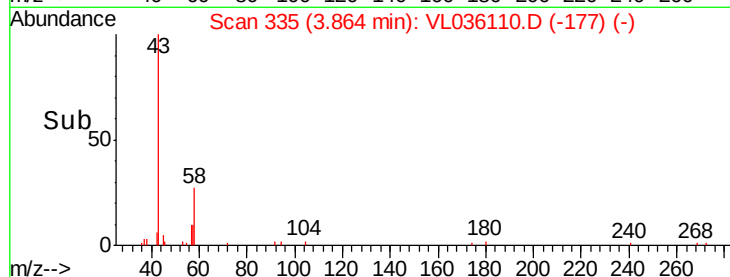
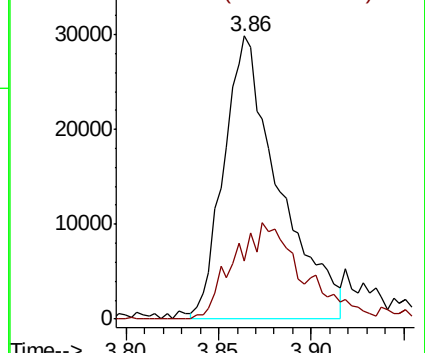
43 100

58 44.0 20.9 31.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 1.013 ppbv

RT: 4.35 min Scan# 486

Delta R.T. -0.01 min

Lab File: VL036110.D

Acq: 9 Dec 2020 1:02

Tgt Ion: 84 Resp: 54976

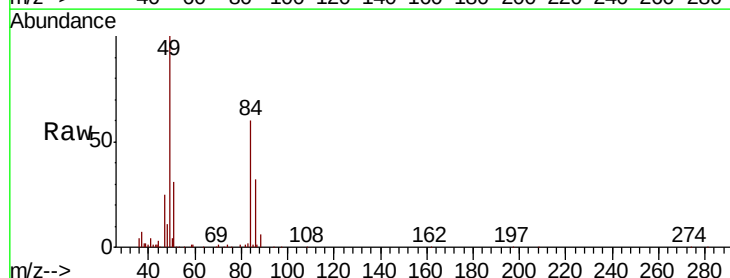
Ion Ratio Lower Upper

84 100

49 167.7 133.0 199.4

51 51.3 38.9 58.3

86 54.2 48.8 73.2

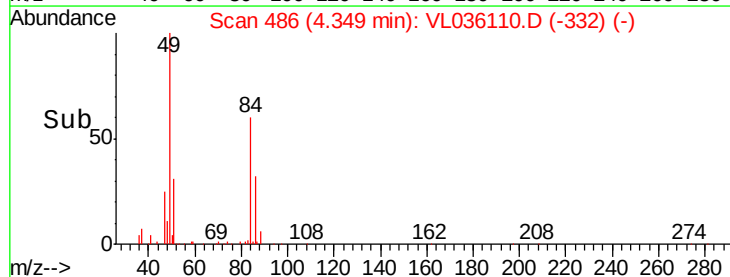
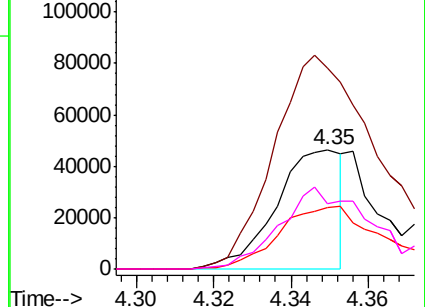


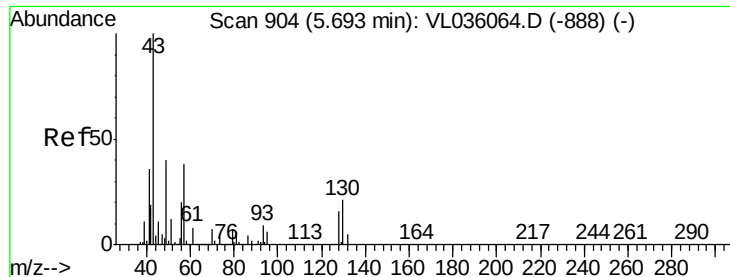
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

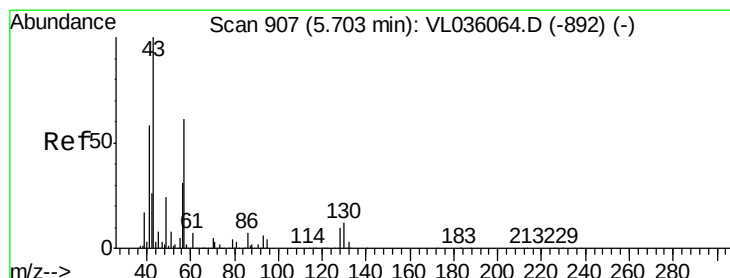
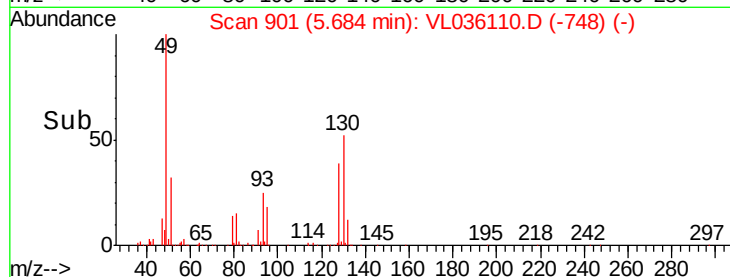
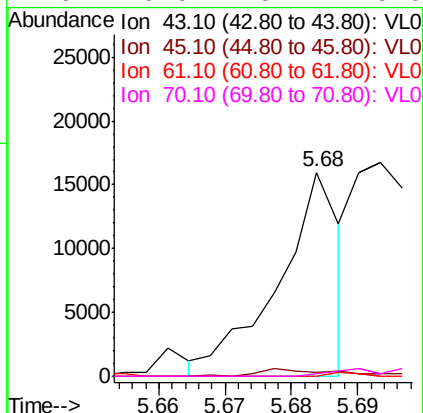
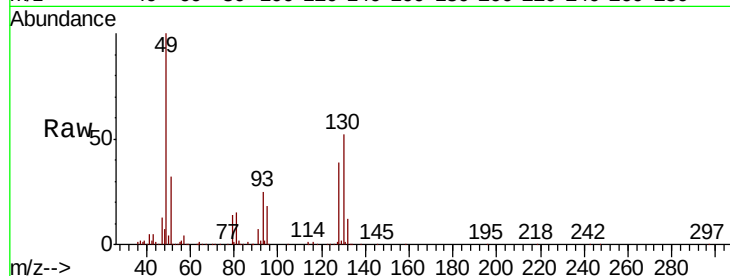




#25
Ethyl Acetate
Concen: 0.039 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL036110.D
Acq: 9 Dec 2020 1:02

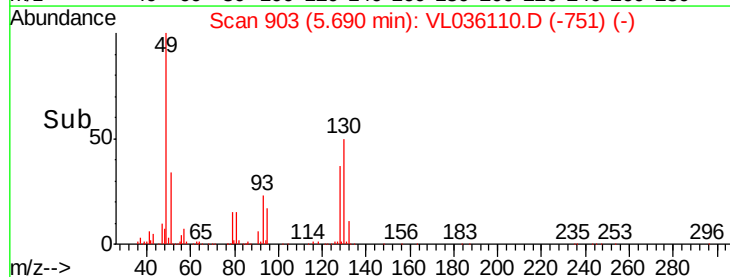
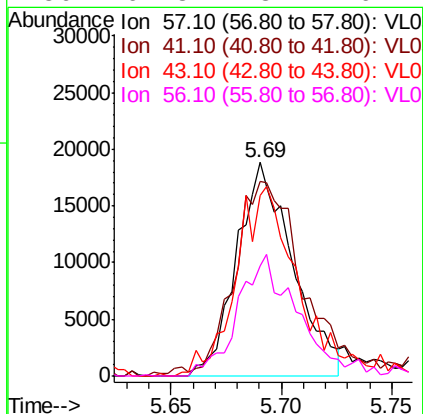
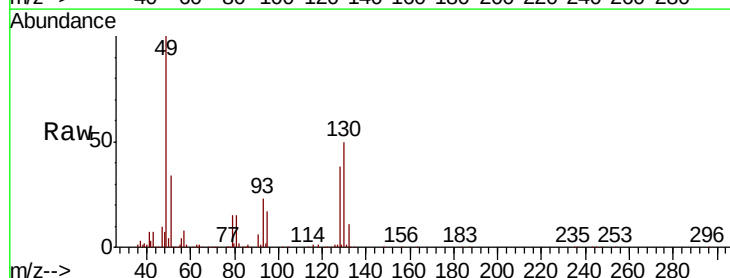
Instrument :
MSVOA_L
ClientSampleID :
SS-8BDL

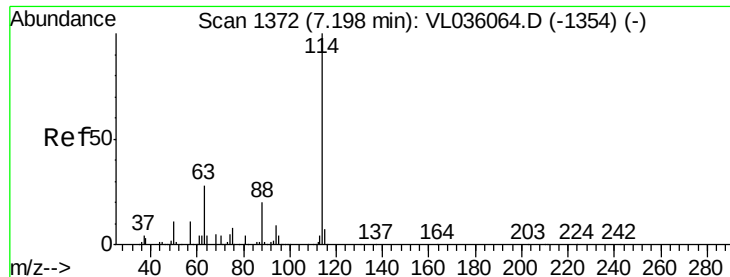
Tot Ion:	43	Resp:	10304
Ion	Ratio	Lower	Upper
43	100		
45	8.1	8.2	12.4#
61	1.5	7.4	11.2#
70	0.0	5.4	8.0#



#26
Hexane
Concen: 0.280 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL036110.D
Acq: 9 Dec 2020 1:02

Tgt Ion:	57	Resp:	33289
Ion	Ratio	Lower	Upper
57	100		
41	119.7	82.9	124.3
43	100.8	199.9	299.9#
56	62.8	43.1	64.7



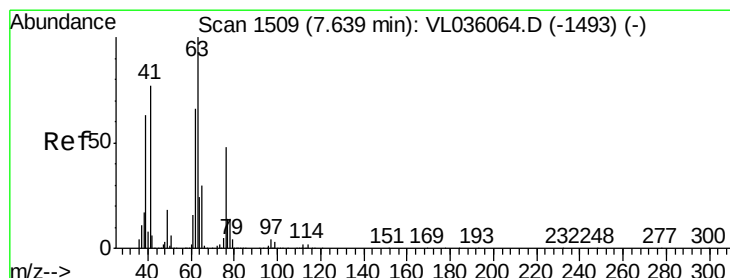
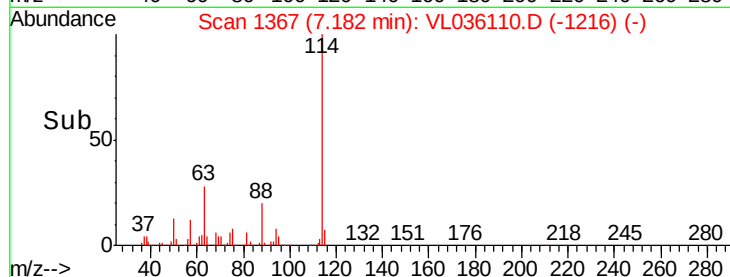
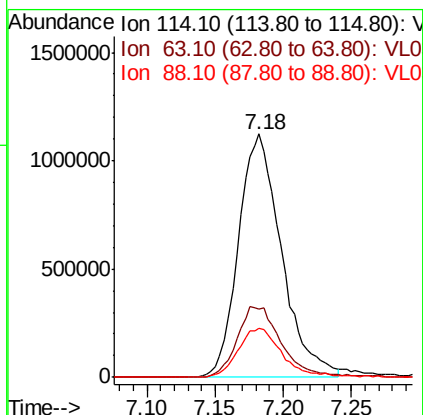
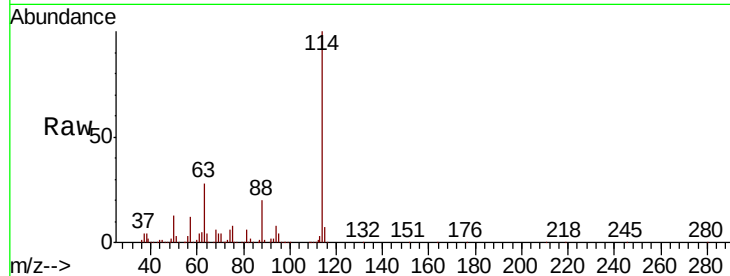


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.02 min
 Lab File: VL036110.D
 Acq: 9 Dec 2020 1:02

Instrument :
 MSVOA_L
 ClientSampled :
 SS-8BDL

Tot Ion:114 Resp: 2460427

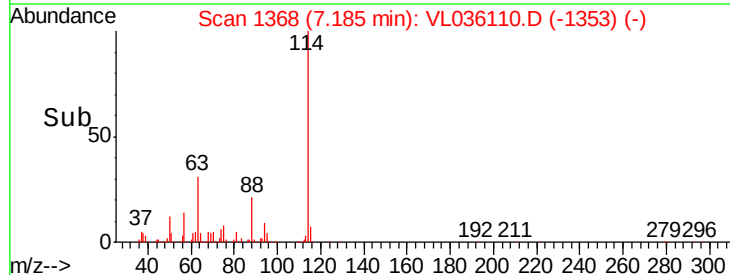
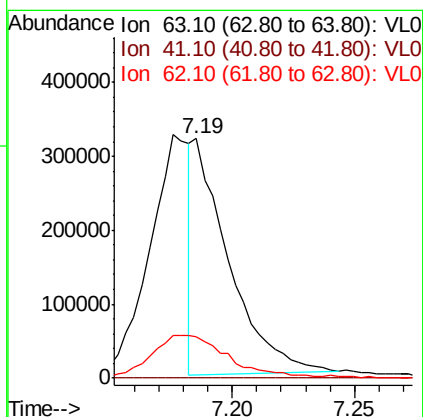
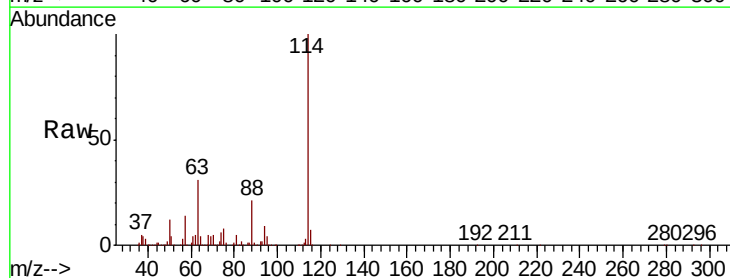
Ion	Ratio	Lower	Upper
114	100		
63	30.6	23.6	35.4
88	21.1	15.8	23.6

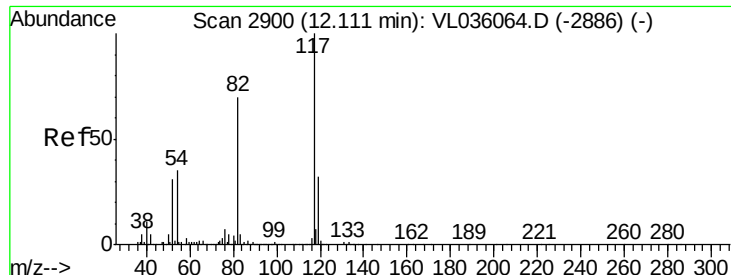


#39
 1,2-Dichloropropane
 Concen: 3.882 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.45 min
 Lab File: VL036110.D
 Acq: 9 Dec 2020 1:02

Tgt Ion: 63 Resp: 319651

Ion	Ratio	Lower	Upper
63	100		
41	0.1	61.9	92.9#
62	16.8	52.5	78.7#

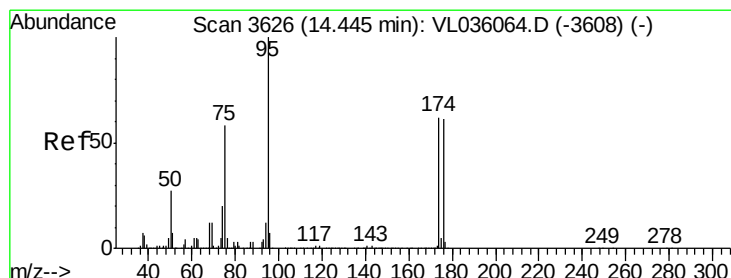
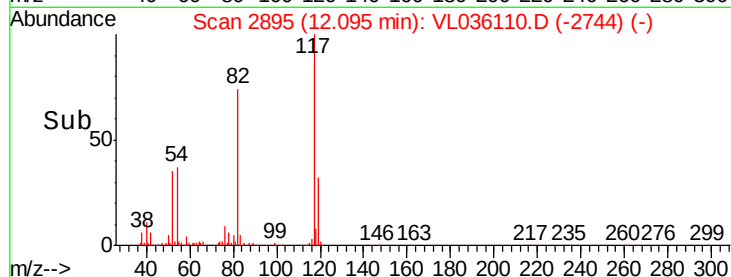
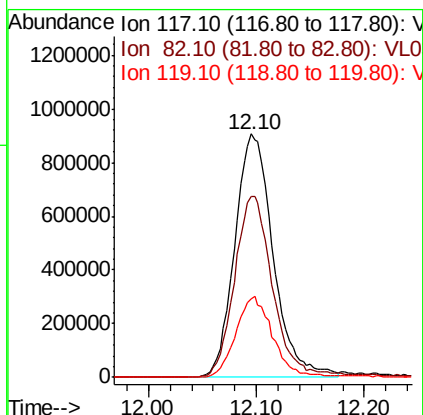
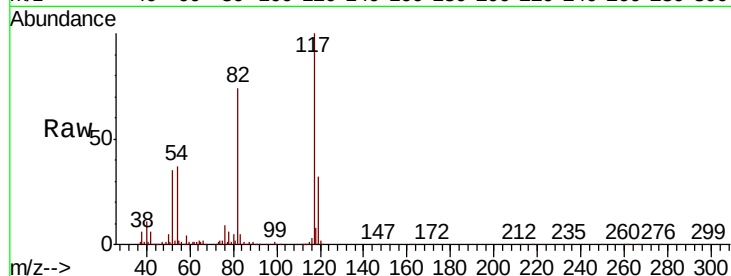




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.02 min
Lab File: VL036110.D
Acq: 9 Dec 2020 1:02

Instrument :
MSVOA_L
ClientSampleId :
SS-8BDL

Tot Ion:117 Resp: 2248613
Ion Ratio Lower Upper
117 100
82 75.6 0.0 0.0#
119 32.9 0.0 0.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.070 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. -0.02 min
Lab File: VL036110.D
Acq: 9 Dec 2020 1:02

Tgt Ion: 95 Resp: 1798029
Ion Ratio Lower Upper
95 100
174 61.2 50.7 76.1
175 4.5 4.0 6.0

